VIN:				
MODEL:			**OWNER NAME & ADDRESS**	
VARIANT:				
COLOUR:				
ENGINE NO.:			**CONTACT NO.**	
KEY NO.:			**E-mail ID:**	
INVOICE DATE:			**SELLING DEALER NAME & CODE**	
ODOMETER READING	**KM**			
REGISTRATION NO.:				
BATTERY MAKE:			**DEALER SHOWROOM ADDRESS & CONTACT NO. (STAMP)**	
BATTERY NO.:				
BATTERY BATCH				
TYRE	**MAKE**	**BATCH CODE**		
Front Right			**CONTACT NO. FOR SERVICE APPOINTMENT & SUPPORT**	
Front Left				
Rear Right				
Rear Left				
Spare				

For any assistance with regard to our product, please contact General Manager/Works Manager at any of our Dealer or Authorised Service Station. For additional enquiry you may contact our Regional Office or Service Department. The addresses and phone numbers are given in Service Network section of this Manual / Service Network booklet.

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MAINTENANCE SERVICE RECORDS

DATE OF SERVICE	KIND OF SERVICE	MILEAGE (KM)	DESCRIPTION OF JOB	NAME OF SERVICING DEALER/ MASS	JOB CARD NO.	MECHANICS SIGNATURE

F: .... FREE SERVICE, P:.... PAID SERVICE, W:.... WARRANTY JOB, A:.... ACCIDENTAL JOB

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1ST. FREE INSPECTION COUPON *(CUSTOMER'S COPY)* *(1,000 KM or 1 MONTH)*

WHICHEVER COMES FIRST

JOB MARK: √ : Checked OK, A: Adjust, C: Clean, R: Replace or Chance, L: Lubricate, T: Tighten, O: Rotate, I: Inspect and correct or replace if necessary.

	JOB
1. ENGINE	
1. Engine Coolant (Level, Leakage)	
2. Engine oil (Level, Leakage)	
3. Cooling System hoses & connections (Leakage, Damage)	
2. FUEL	
1. Fuel filter, Fuel tank cap, Fuel lines and connections (Leakage)	
2. Fuel Filter - water Draining (Diesel)	
3. CLUTCH AND TRANSMISSION	
1. Clutch pedal / push rod (Play)	
2. Clutch slipping (Dragging, Damage)	
3. Transaxle Oil (Level, Leakage)	
4. Gear Shifter Cable (operation)	
5. Clutch fluid (Level, Leakage) (Diesel)	
4. BRAKE	
1. Brake fluid (Level, Leakage)	
2. Brake pedal (Pedal to carpet clearance)	
3. Parking brake lever (Play)	
4. Brake hoses & pipes (Leakage, Damage)	
5. WHEEL	
1. Tyres (Air pressure, Abnormal wear, damage)	
2. Wheels (Inspect)	

	JOB
6. FRONT AND REAR SUSPENSION	
1. Struts/shock absorbers (Oil leakage)	
2. Rear spring (Damage)	
7. STEERING	
1. Steering wheel (Play)	
2. All Rods & Arms (Loose, Damage, Wear)	
3. Power Steering System (Operation)	
4. Steering gear box (Inspect)	
5. Tilt steering (Operation)	
8. ELECTRICAL	
1. Battery electrolyte (Level, Leakage)	
2. Lighting system/horn (Operation)	
3. Wiper (Operation)	
9. BODY	
1. All Latches, Hinges & Locks/Central Locking (Operation)	
10. HEATING AND AIR CONDITIONING	
1. Drive belt (Tension)	
2. Check functioning of Recirculating flap	
3. Check all Hose Joints	
4. A/C filter element (Inspect)	
11. ROAD TEST	
1. Operation of Brakes, clutch, Gear shifting and Speedometer	
2. Body & Chassis noise	

COST OF MATERIALS AND CONSUMABLES TO BE BORNE BY CUSTOMER

*** MODEL CODES :** *ALTO-**AOD308/308C/310/310C**, CELERIO-**AVH310/310C/208D**, CIAZ-**AVB414/413D**, EECO-**MGA412/412C**, ERTIGA-**AVI414/413D**, GRAND VITARA XL7-**JA627**, GYPSY KING-**MG413W**, NEW DZIRE-**AZI412PN/413DN**, NEW SWIFT-**AZI412/413D**, NEW WAGONR-**A1J310/310C/310L**, OMNI-**MT308**, RITZ-**A5E412/413D***

1ST. FREE INSPECTION COUPON

(DEALER'S COPY) *(1,000 KM or 1 MONTH)*

Please see overleaf for special instructions

Model Code*	
Chassis No. :	
Engine No. :	
Mileage	
Date of Delivery	
Date of Inspection	
Registration No.	
Service Dealer/Mass Code	
Customer Name	
Address (Please write complete address)	
Telephone No.	

Mechanic's Signature

Service Manager's Signature

Customer's Signature

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Stamp of Selling dealer (Code & Full Address)

For Servicing Dealer/Mass

1.0 : Please fill up Model codes correctly.

2.0 : Please fill up Complete chasis No.

3.0 : Please fill up customer details i.e. Address and Telephone No. legibly and correctly for the latest owner.

For Selling Dealer

1.0 : Please send all Free Service Coupon to us once in a month after settlement of free service charges.

Service Division
Maruti Suzuki India Limited

Model Code*	
Chassis No. :	
Engine No. :	
Mileage	
Date of Delivery	
Date of Inspection	
Registration No.	
Service Dealer/Mass Code	
Customer Name	
Address (Please write complete address)	
Telephone No.	

Mechanic's Signature
Service Manager's Signature
Customer's Signature

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2ND. FREE INSPECTION COUPON *(CUSTOMER'S COPY)* *(5,000 KM or 6 MONTHS)*

WHICHEVER COMES FIRST

JOB MARK: √ : Checked OK, A: Adjust, C: Clean, R: Replace or Change, L: Lubricate, T: Tighten, O:Rotate, I: Inspect and correct or replace If necessary.

1. ENGINE — JOB
1. Engine Coolant (Level, Leakage)
2. Engine Oil (Level, Leakage)
3. Cooling System hoses & connections (Leakage, Damage)
4. Exhaust System (Noise, Leakage)
5. PCV System (Hoses, Connections, Valve)(Petrol)

2. FUEL
1. Air cleaner (Clean) (Petrol)
2. Fuel filter, Fuel tank cap, Fuel lines and connections (Leakage)
3. Fuel filter water draining (Diesel)

3. CLUTCH AND TRANSMISSION
1. Clutch pedal (Play) (Petrol)
2. Clutch slipping (Dragging, Damage)
3. Transaxle Oil (Level Leakage)
4. Gear shifter cables (Operation)
5. Drive shaft boots (Damage)
6. Clutch Fluid (Level, Leakage) (Diesel)

4. BRAKE
1. Brake fluid (Level, Leakage)
2. Brake pedal (Pedal to carpet clearance)
3. Parking brake lever (Play)
4. Brake Disc & Pads (Inspect)
5. Brake hoses & pipes (Leakage, Damage)

5. WHEEL
1. Tyres (Air pressure, Abnormal wear, Rotation)
2. Wheels (Inspect)
3. Front/Rear Wheel Bearings (Loose,Damage)

6. FRONT AND REAR SUSPENSION — JOB
1. Suspension strut/shock absorber(Oil Leakage)
2. Suspension arms, Knuckle, Rear spring (Damage, Loose)
3. All Nuts & Bolts (Tighten)

7. STEERING
1. Steering wheel (Play)
2. All Rods & Arms (Loose, Damage, Wear)
3. Power Steering System (Operation)
4. Steering gear box (Inspect)
5. Tilt steering (Operation)

8. ELECTRICAL
1. Battery electrolyte (Level, Leakage)
2. Lighting system/Horn (Operation)
3. Wiring Harness Connections (Looseness)
4. Wiper (Operation)

9. BODY
1. All Latches, Hinges & Locks/Central Locking (Operation/Lubrication)
2. All Chassis nuts & bolts (Inspect)
3. Seat belt (Operation)
4. Seat latch, lever & knob (Operation)

10. HEATING AND AIR CONDITIONING
1. Drive belt (Tension, Damage)
2. Check functioning of Recirculating flap
3. Check all Hose Joints
4. Check Compressor Mounting Bolts
5. Clean Condenser with low pressure water
6. A/C filter element (Inspect)

11. ROAD TEST
1. Operation of Brakes, clutch Gear shifting and Speedometer
2. Body & Chassis noise

COST OF MATERIALS AND CONSUMABLES TO BE BORNE BY CUSTOMER

2ND. FREE INSPECTION COUPON

(DEALER'S COPY) *(5,000 KM or 6 MONTHS)*

Please see overleaf for special instructions

Model Code *	
Chassis No. :	
Engine No. :	
Mileage	
Date of Delivery	
Date of Inspection	
Registration No.	
Service Dealer/Mass Code	

Mechanic's Signature

Service Manager's Signature

Customer's Signature

MODEL CODES :** ALTO-**AOD308/308C/310/310C**, CELERIO-**AVH310/310C/208D**, CIAZ-**AVB414/413D**, EECO-**MGA412/412C**, ERTIGA-**AVI414/413D**, GRAND VITARA XL7-**JA627**, GYPSY KING-**MG413W**, NEW DZIRE-**AZI412PN/413DN**, NEW SWIFT-**AZI412/413D**, NEW WAGONR-**A1J310/310C/310L**, OMNI-**MT308**, RITZ-**A5E412/413D

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Stamp of Selling dealer (Code & Full Address)

Model Code *							
Chassis No. :							
Engine No. :							
Mileage							
Date of Delivery							
Date of Inspection							
Registration No.							
Service Dealer/Mass Code							

For Servicing Dealer/Mass

1.0 : Please fill up Model codes correctly.

2.0 : Please fill up Complete chasis No.

3.0 : Please fill up customer details i.e. Address and Telephone No. legibly and correctly for the latest owner.

For Selling Dealer

1.0 : Please send all Free Service Coupon to us once in a month after settlement of free service charges.

Mechanic's Signature
Service Manager's Signature
Customer's Signature

Service Division
Maruti Suzuki India Limited

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3RD. FREE INSPECTION COUPON *(CUSTOMER'S COPY)* *(10,000 KM or 12 MONTHS)*

WHICHEVER COMES FIRST

JOB MARK: √ : Checked OK, A: Adjust, C: Clean, R: Replace or Change, L: Lubricate, T: Tighten, O:Rotate, I: Inspect and correct or replace If necessary.

1. ENGINE — JOB
1. Engine Coolant (Level, Leakage)
2. Cooling System hoses & connections (Leakage, Damage)
3. Engine oil & oil filter (Replace)
4. Cylinder head bolts (Tight)
5. Engine Mounting and Manifold fixing (Noise, Leakage, Damage etc)

2. FUEL
1. Air cleaner / Cyclon (Clean) (Petrol)
2. Fuel Filter, Fuel tank cap, Fuel lines and connections (Leakage)
3. Fuel filter & water draining (Diesel)

3. CLUTCH AND TRANSMISSION
1. Clutch pedal (Play) (Petrol)
2. Clutch slipping (Dragging, Damage)
3. Transmission Oil (Level Leakage)
4. Gear Shifter Cables (Operation)
5. Drive shaft boots (Damage)
6. Clutch Fluid (Level, Leakage) (Diesel)

4. BRAKE
1. Brake fluid (Level, Leakage)
2. Brake pedal (Pedal to carpet clearance)
3. Parking brake lever (Play)
4. Brake Disc & Pads (Inspect)
5. Brake hoses & pipes (Leakage, Damage)
6. Brake Drums & Shoes (Inspect)

5. WHEEL
1. Tyres (Air pressure, Abnormal wear, Rotation)
2. Wheels (Inspect)
3. Front/Rear Wheel Bearings (Loose,Damage)

6. FRONT AND REAR SUSPENSION — JOB
1. Suspension strut/shock absorber(Oil Leakage)
2. Suspension arms, Knuckle, Rear spring (Damage, Loose)
3. All Nuts & Bolts (Tighten)

7. STEERING
1. Steering wheel (Play)
2. All Rods & Arms (Loose, Damage, Wear)
3. Power Steering System (Operation)
4. Steering gear box (Inspect)
5. Tilt steering (operation) (if equipped)

8. ELECTRICAL
1. Battery electrolyte (Level, Leakage)
2. Lighting system/Horn (Operation)
3. Wiring Harness Connections (Looseness)
4. Wiper (Operation)

9. BODY
1. All Latches, Hinges & Locks/Central Locking (Operation/Lubrication)
2. All Chassis nuts & bolts (Tighten)
3. Seat belt (operation)
4. Seat latch, lever & knob (operation)

10. HEATING AND AIR CONDITIONING
1. Drive belt (Tension, Damage)
2. Check functioning of Recirculating flap
3. Check all Hose Joints
4. Check Compressor Mounting Bolts
5. Clean Condenser with low pressure water
6. A/C filter element (Inspect)

11. ROAD TEST
1. Operation of Brakes, clutch Gear shifting and Speedometer
2. Body & Chassis noise

COST OF MATERIALS AND CONSUMABLES TO BE BORNE BY CUSTOMER

3RD. FREE INSPECTION COUPON

(DEALER'S COPY) *(10,000 KM or 12 MONTHS)*

Please see overleaf for special instructions

Model Code*	
Chassis No. :	
Engine No. :	
Mileage	
Date of Delivery	
Date of Inspection	
Registration No.	
Service Dealer/Mass Code	

Mechanic's Signature

Service Manager's Signature

Customer's Signature

MODEL CODES :** ALTO-**AOD308/308C/310/310C**, CELERIO-**AVH310/310C/208D**, CIAZ-**AVB414/413D**, EECO-**MGA412/412C**, ERTIGA-**AVI414/413D**, GRAND VITARA XL7-**JA627**, GYPSY KING-**MG413W**, NEW DZIRE-**AZI412PN/413DN**, NEW SWIFT-**AZI412/413D**, NEW WAGONR-**A1J310/310C/310L**, OMNI-**MT308**, RITZ-**A5E412/413D

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Stamp of Selling dealer (Code & Full Address)

Model Code *							
Chassis No. :							
Engine No. :							
Mileage							
Date of Delivery							
Date of Inspection							
Registration No.							
Service Dealer/Mass Code							

For Servicing Dealer/Mass

1.0 : Please fill up Model codes correctly.

2.0 : Please fill up Complete chasis No.

3.0 : Please fill up customer details i.e. Address and Telephone No. legibly and correctly for the latest owner.

For Selling Dealer

1.0 : Please send all Free Service Coupon to us once in a month after settlement of free service charges.

Mechanic's Signature
Service Manager's Signature
Customer's Signature

Service Division
Maruti Suzuki India Limited

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FOREWORD

This manual is an essential part of your vehicle and should remain with the vehicle when resold or otherwise transferred to a new owner or operator. Please read this manual carefully before operating your new MARUTI SUZUKI and review the manual from time to time. It contains important information on safety, operation and maintenance. You are invited to avail the three Free Inspection Services as described in the manual. Three free inspection coupons are attached to this manual. Please show this manual to your dealer while you take your MARUTI SUZUKI for any Service.

To prolong the life of your vehicle and reduce maintenance cost, the periodic maintenance must be carried out according to "PERIODIC MAINTENANCE SCHEDULE" described in "INSPECTION AND MAINTENANCE" section of this manual. It is essential for preventing trouble and accidents to ensure your satisfaction and safety.

Daily inspection and care as per "DAILY INSPECTION CHECKLIST" described in the "INSPECTION AND MAINTENANCE" section of this manual is essential for prolonging the life of the vehicle and for safe driving.

MARUTI SUZUKI INDIA LIMITED believes in conservation and protection of Earth's natural resources.

To that end, we encourage every vehicle owner to recycle, trade-in or properly dispose of, as appropriate, used Engine Oil, coolant and other fluids, batteries and tyres etc.

MARUTI SUZUKI INDIA LIMITED

All information in this manual is based on the latest product information available at the time of publication. Due to improvements or other changes, there may be discrepancies between information in this manual and your vehicle. MARUTI SUZUKI INDIA LIMITED reserves the right to make production changes at any time, without notice and without incurring any obligation to make the same or similar changes to vehicles previously built or sold.

This vehicle may not comply with standards or regulations of other countries. Before attempting to register this vehicle in any other country, check all applicable regulations and make any necessary modifications.

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IMPORTANT

⚠ WARNING/ ⚠ CAUTION/*NOTICE*/ *NOTE*

Please read this manual and follow its instructions carefully. To emphasize special information, the symbol and the words **WARNING**, **CAUTION**, ***NOTICE*** and *NOTE* have special meanings. Pay particular attention to messages highlighted by these signal words:

⚠ WARNING

Indicates a potential hazard that could result in death or serious injury.

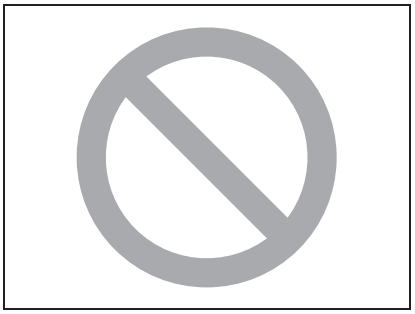
⚠ CAUTION

Indicates a potential hazard that could result in minor or moderate injury.

NOTICE

Indicates a potential hazard that could result in vehicle damage.

NOTE:
Indicates special information to make maintenance easier or instructions clearer.



75F135

The circle with a slash in this manual means “Don’t do this” or “Don’t let this happen”.

MODIFICATION WARNING

⚠ WARNING

Do not modify your vehicle. Modification could adversely affect safety, handling, performance, or durability and may violate governmental regulations. In addition, damage or performance problems resulting from modification may not be covered under warranty.

NOTICE

Improper installation of mobile communication equipment such as cellular telephones, CB (Citizen’s Band) radios or any other wireless transmitters may cause electronic interference with your vehicle’s ignition system, resulting in vehicle performance problems. Consult your MARUTI SUZUKI dealer or qualified service technician for advice.

⚠ WARNING

Severe damage may be caused by the use of either poor quality fuel and/or lubricants not recommended by MARUTI SUZUKI.

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WARRANTY POLICY

Maruti Suzuki India Limited (hereinafter called “Maruti Suzuki”), warrants that each new Maruti Suzuki vehicle distributed in India by Maruti Suzuki and sold by an authorised Maruti Suzuki dealer will be free, under normal use and service, from any defects in material and workmanship at the time of manufacture SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:

(1) Qualification:

To qualify for this warranty the vehicle must be delivered by a Maruti Suzuki authorised dealer and set-up, and serviced by a Maruti Suzuki authorised dealer / service station.

(2) Term:

The term of the warranty shall be twenty-four (24) months or 40,000 kilometers (whichever occurs first) from the date of delivery to the first owner.

(3) Maruti Suzuki Warranty Obligation:

If any defect(s) should be found in a Maruti Suzuki vehicle within the term stipulated above, Maruti Suzuki’s only obligation is to repair or replace at its sole discretion any part shown to be defective, with a new part or the equivalent at no cost to the owner for parts or labour, when Maruti Suzuki acknowledges that such a defect is attributable to faulty material or workmanship at the time of manufacture. The owner is responsible for any repair or replacements which are not covered by this warranty.

(4) Limitation:

This warranty shall not apply to:

(a) Normal maintenance service required other than the three free services, including without limitation, oil and fluid changes, headlight aiming, fastener retightening, wheel balancing, wheel alignment and tyre rotation, cleaning of injectors, adjustments of clutch and valve clearance.

(b) The replacement of normal wear parts including without limitation, bulbs, tyres and tubes, spark plugs, belts, hoses, filters, wiper blades, brushes, contact points, fuses, clutch disc, brake shoes, brake pads, cable and all rubber parts (except oil seal and glass run).

(c) Any vehicle which has been used for competition or racing.

(d) Any repairs or replacement required as a result of accidents or collision.

(e) Any defects caused by misuse, negligence, abnormal use or insufficient care.

(f) Any vehicle which has been modified or altered, including without limitation, the installation of performance accessories.

(g) Any vehicle on which parts or accessories not approved by Maruti Suzuki have been used.

(h) Any vehicle which has not been operated in accordance with the operating instructions in this Owner’s Manual and Service Booklet.

(i) Any vehicle which has not received, during the warranty term, the service inspections prescribed in this Owner’s Manual and Service Booklet.

(j) Any vehicle which has been assembled, disassembled, adjusted or repaired by other than an Maruti Suzuki authorised dealer/service station.

(k) Any vehicle which has been used for purposes other than what it was designed for.

(l) Any damage or deterioration caused by industrial pollution and bird droppings.

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(m) Insignificant defects which do not affect the function of the vehicle including without limitation, sound, vibration and fluid seep.
(n) Any natural wear and tear including without limitation, aging etc.
(o) Installation and usage of domestic LPG gas/LPG Cylinder.
(p) V-belts, hoses and gas leaks.
(q) Any vehicle retrofitted with LPG/CNG kits.

(5) Extent of Warranty:
This warranty is the entire written warranty given by Maruti Suzuki for Maruti Suzuki vehicles and no dealer or its or his agent or employee is authorised to extend or enlarge this warranty and no dealer or its or his agent or employee is authorised to make any oral warranty on Maruti Suzuki's behalf.
Maruti Suzuki reserves the right to add any improvements or change the design of any model at any time with no obligation to make the same changes on units previously sold.

(6) Warranty Service:
To obtain warranty service, the complete vehicle must be presented at the owner's expenses to any authorised Maruti Suzuki dealer.

(7) Owner's Warranty Responsibilities:
It is responsibility of each owner to:
- Make certain that the PDI card was completed at the time of delivery of the vehicle;
- Have performed, at his own expenses, by an Maruti Suzuki authorised dealer/service station all the service inspections specified in the Maruti Suzuki "Owner's Manual and Service Booklet and maintain adequate proof that such service inspections have been performed.
- Make certain that the Maruti Suzuki authorised dealer/service station performing the service inspection has certified the work on the "Maintenance Service Record" page in the "Owner's Manual and Service Booklet and
- Present the Maruti Suzuki "Owner's Manual and Service Booklet to the authorised Maruti Suzuki dealer whenever requesting service inspections or warranty service.

If the "Owner's Manual and Service Booklet should be lost or destroyed the owner should consult the authorised Maruti Suzuki dealer from whom the vehicle was purchased for instructions concerning replacement of the "Owner's Manual and Service Booklet.

(8) Disclaimer of Consequential Damage:
Maruti Suzuki assumes no responsibility for loss of vehicle, loss of time, inconvenience or any other indirect incidental or consequential damage resulting from the vehicle not being available to the owner because of any defect covered by this warranty.

(9) Change of Owner
Even if ownership of the vehicle changes, the remaining warranty period is effective for the new owner.

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EMISSION WARRANTY POLICY

Maruti Suzuki offers the Emission Warranty on all Maruti Suzuki vehicles (apart from the Regular Warranty and will run parallel to the regular product warranty) only in four metropolitan cities **(New Delhi, Kolkata, Mumbai and Chennai)** with effect from July 1st, 2001.

Terms:

The Emission Warranty will be applicable for **80,000 kms or 3 years** (Whichever comes earlier) from the date of delivery to the first owner. The remaining warranty terms will be valid in case of any change in ownership provided the production of all valid documents.

Conditions:

1. Under Emission Warranty, Warranty claims will be admitted for a prima facie examination, in case vehicle fails to meet the Emission Standard as specified in sub rule (2) of rule no. 115 of Central Motor Vehicles Rules (CMVR), 1989.
2. The warranty claims will only be accepted after examination carried out by Maruti Suzuki or it's dealer which leads to firm conclusions that the
   a) Original settings have not been tempered in any case.
   b) Part (as given in Annexure - A) has a manufacturing defect.
   c) Vehicle is unable to meet the Emission Standards (as given in 1.), inspite of the vehicle having been maintained and used in accordance with the instructions as specified in Owner's Manual and Service Booklet and the used fuel and different oils (Engine oil, Transmission oil, Brake oil etc.) are also as per specification.
3. The method of examination for deciding the warranty of the parts will be at the sole discretion of Maruti Suzuki and it's dealer and results of the examination will be final and binding. If after examination, the warrantable condition is not established, Maruti Suzuki and it's dealer has the right to charge all, or part of the cost of such examination.
4. Under Emission Warranty, the parts (as given in Annexure - A) will be changed free of cost, but the consumables will be charged as per actual.
5. If the part covered under Emission Warranty or the associated parts, are not independently replaceable, on account of these being integral parts of a complete assembly, Maruti Suzuki and it's dealer will have the sole discretion to replace either the entire assembly or by using some of the parts of the system through suitable repairs or modifications.
6. Any consequential repairs or replacement of parts which may be found necessary to establish compliance of Emission Warranty, will not be considered under warranty, unless the same is under product warranty. The consumable will be charged as per actual under such repair or replacement.
7. Maruti Suzuki will not be responsible for the cost of transportation of the vehicle to the nearest Maruti Suzuki dealer workshop or any loss due to non-availability of the vehicle during the period of lodging of a warranty claim and examination and/or repair by Maruti Suzuki dealer.
8. Maruti Suzuki will not be responsible for any penalty that may be charged by statutory authorities on account of failure to comply with the EMISSION STANDARDS.
9. Emission Warranty will not be affected on the change of owner, provided all the documents are available.

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10. All maintenance actions (as specified in the Owner's Manual and Service Booklet) need to be followed and recorded in the manual for emission warranty.
11. The customer needs to produce the PUC (Pollution Under Control) certificate valid for the period preceding the test during which the failure is discovered. The receipts (for the maintenance of the vehicle as per specification in Owner's Manual and Service Booklet from the date of original purchase of the vehicle) will also be required.

Conditions under which the Emission Warranty is not APPLICABLE

1. In the absence of valid PUC certificate.
2. Vehicle not serviced from Maruti Suzuki authorised workshop as per the schedule specified in this Owner's Manual and Service Booklet.
3. Vehicle subjected to abnormal use (accident, motor race, rallies or for the purpose of establishing the records etc).
4. Use of non MGP (Maruti Genuine Part).
5. Vehicle that has been tempered with.
6. Tampering with odometer so that the actual kilometer reading can not be determined.
7. Use of adulterated fuel and/or unspecified oils (Engine oil, Transmission oil and Brake oil etc).

Annexure - A

List of parts covered under Emission Warranty

1. Fuel Injection Assembly, Pressure Regulator, Throttle Body Assembly
2. Electronic Control Module (ECM).
3. Intake Manifold.
4. EGR valve.
5. Ignition Coil.
6. Canister Assembly.
7. Vapour Liquid Seperator.
8. Fuel Tank and Filler Cap.
9. PCV (Positive Crankcase Ventilation) Valve.
10. Oil Filler Cap.
11. Catalytic Convertor.
12. Exhaust Manifold.
13. All Fuel Injection System related SENSORS.
14. High Pressure Fuel Pump.
15. Glow Plug.
16. Glow Plug Controller.

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Fuel Recommendation

Petrol Engine

You must use unleaded petrol with an octane number (RON) of 91 or higher.

Petrol/Ethanol blends

Blends of unleaded petrol and ethanol (grain alcohol), also known as gasohol, are commercially available in some areas. Blends of this type may be used in your vehicle if they are no more than 10% ethanol. Make sure this petrol-ethanol blend has octane ratings no lower than those recommended for petrol.

Petrol/Methanol blends

Blends of unleaded petrol and methanol (wood alcohol) are also commercially available in some areas. DO NOT USE fuels containing more than 5% methanol under any circumstances. Fuel system damage or vehicle performance problems resulting from the use of such fuels are not the responsibility of MARUTI SUZUKI and may not be covered under the New Vehicle Warranty.

Fuels containing 5% or less methanol may be suitable for use in your vehicle if they contain cosolvents and corrosion inhibitors.

NOTE:
If you are not satisfied with the driveability or fuel economy of your vehicle when you are using a petrol/alcohol blend, you should switch back to unleaded petrol containing no alcohol.

NOTICE

The fuel tank has an air space to allow for fuel expansion in hot weather. If you continue to add fuel after the filler nozzle has automatically shut off or an initial blowback occurs, the air chamber will become full. Exposure to heat when fully fuelled in this manner will result in leakage due to fuel expansion. To prevent such fuel leakage, stop filling after the filler nozzle has automatically shut off, or when using an alternative non-automatic system, initial vent blowback occurs.

NOTICE

Be careful not to spill fuel containing alcohol while refueling. If fuel is spilled on the vehicle body, wipe it up immediately. Fuels containing alcohol can cause paint damage, which is not covered under the New Vehicle Limited Warranty.

Diesel Engine

The diesel fuel should be with Cetane Number (CN) higher than 51 and sulfur content less than 50 ppm (parts per million). MARUTI SUZUKI recommends to use the diesel fuel conformable to EN590. Do not use marine diesel fuel, heating oils and so forth.

NOTICE

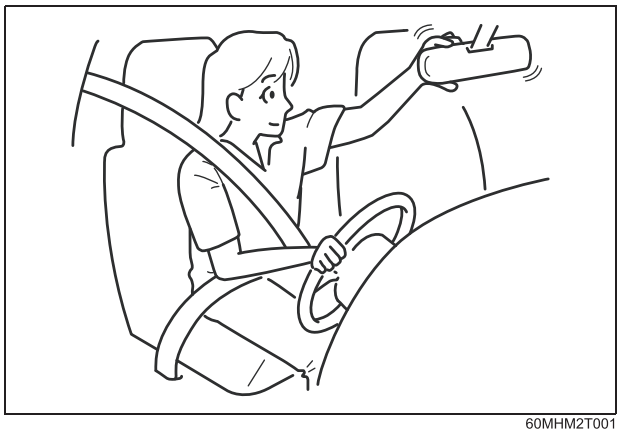
The fuel tank has an air space to allow for fuel expansion in hot weather. If you continue to add fuel after the filler nozzle has automatically shut off or an initial blowback occurs, the air chamber will become full. Exposure to heat when fully fuelled in this manner will result in leakage due to fuel expansion. To prevent such fuel leakage, stop filling after the filler nozzle has automatically shut off, or when using an alternative non-automatic system, initial vent blowback occurs.

NOTICE

Be careful not to spill fuel containing alcohol while refueling. If fuel is spilled on the vehicle body, wipe it up immediately. Fuels containing alcohol can cause paint damage, which is not covered under the New Vehicle Limited Warranty.

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BEFORE DRIVING



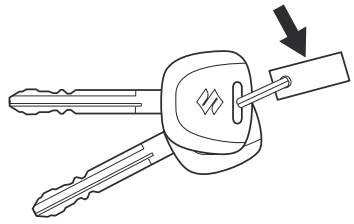
60MHM2T001

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Keys

EXAMPLE



54G489

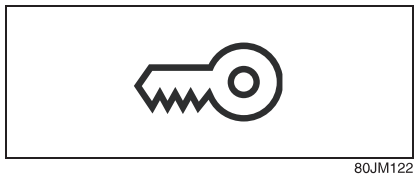
Your vehicle comes with a pair of keys. The key(s) may or may not be equipped with a transmitter depending on model variant. Keep the spare key in a safe place. One key can open all of the locks on the vehicle.

The key identification number is stamped on a metal tag provided with the keys or on the keys. Keep the tag (if equipped) in a safe place. If you lose your keys, you will need this number to have new keys made. Write the number below for your future reference.

KEY NUMBER:

Immobilizer System

This system is designed to help prevent vehicle theft by electronically disabling the engine starting system.
The engine can be started only with your vehicle's original immobilizer ignition key or keyless push start system remote controller which has an electronic identification code programmed into it. The key or remote controller communicates the identification code to the vehicle when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON". If you need to make spare keys or remote controllers, see your MARUTI SUZUKI dealer. The vehicle must be programmed with the correct identification code for the spare. A key made by an ordinary locksmith will not work.



80JM122

If the immobilizer/keyless push start system warning light blinks when the ignition switch is in the "ON" position or the ignition mode is "ON", the engine will not start.

For vehicles without keyless push start system
If this light blinks, turn the ignition switch to the "LOCK" position, then turn it back to the "ON" position.
If the light still blinks after the ignition switch is turned back to the "ON" position, there may be something wrong with your key or with the immobilizer system. Ask your MARUTI SUZUKI dealer to have the system inspected.

For vehicles with keyless push start system
If this light blinks, change the ignition mode to "LOCK" (OFF), then change back to "ON". Also refer to "If the "PUSH" indicator light blinks and the engine cannot be started" in "Starting the Engine (Vehicle with Keyless Push Start System)" in the "OPERATING YOUR VEHICLE" section.
If the light still blinks after the ignition mode is changed back to "ON", there may be something wrong with your key or with the immobilizer system. Ask your MARUTI SUZUKI dealer to have the system inspected.

The immobilizer/keyless push start system warning light may also blinks if the remote controller is not in the vehicle when you close the door or attempt to start the engine.

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NOTE:
- *If you lose your immobilizer ignition key or remote controller, see your MARUTI SUZUKI dealer as soon as possible to have the lost one deactivated, then have the new key or remote controller made by them.*
- *If you own other vehicles with immobilizer keys, keep those keys away from the ignition switch or the engine switch when using your vehicle, or the engine may not be started because they may interfere with your vehicle's immobilizer system.*
- *If you attach any metal objects to the immobilizer key or remote controller, it may not start the engine.*

NOTICE

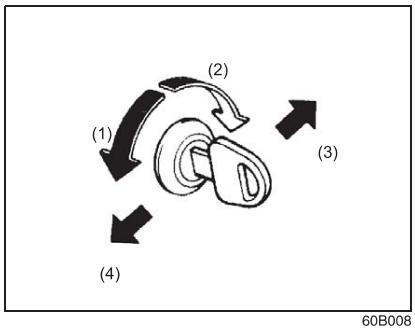
The immobilizer key and remote controller are sensitive electronic instruments. To avoid damaging them:
- **Do not expose them to impacts, moisture or high temperature such as on the dashboard under direct sunlight.**
- **Keep them away from magnetic objects.**

Ignition Key Reminder

A buzzer sounds intermittently to remind you to remove the ignition key if it is in the ignition switch when the driver's door is opened.

Door Locks

Side Door Locks

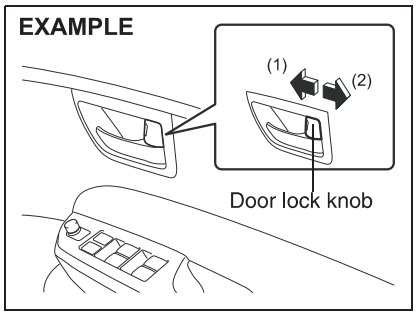


60B008

(1) UNLOCK
(2) LOCK
(3) Front
(4) Rear

To lock a front door from outside the vehicle:
- Insert the key and turn the top of the key toward the front of the vehicle, or
- Turn the lock knob forward, then pull and hold the door handle as you close the door.

To unlock a front door from outside the vehicle, insert the key and turn the top of the key toward the rear of the vehicle.



74LHT0201

(1) LOCK
(2) UNLOCK

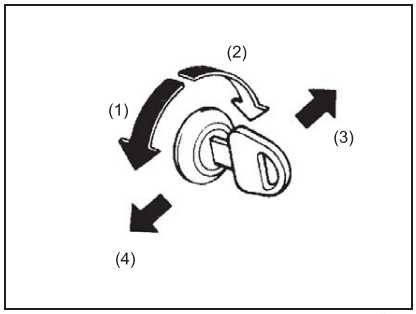
To lock a door from inside the vehicle, turn the lock knob forward. Turn the lock knob rearward to unlock the door.

To lock a rear door from outside the vehicle, turn the lock knob forward and close the door. You do not need to pull and hold the door handle as you close the door.

NOTE:
Be sure to hold the door handle when you close a locked front door, or the door will not remain locked.

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Central Door Locking System (if equipped)



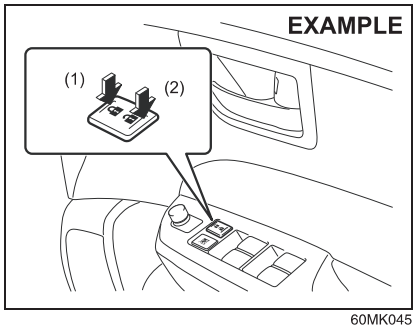
60B008

(1) UNLOCK
(2) LOCK
(3) Front
(4) Rear

You can lock and unlock all doors (including the tailgate) simultaneously by using the key in the driver's door lock.

To lock all doors simultaneously, insert the key in the driver's door lock and turn the top of the key toward the front of the vehicle.

To unlock all doors simultaneously, insert the key in the driver's door lock and turn the top of the key toward the rear of the vehicle.



60MK045

(1) LOCK
(2) UNLOCK

You can also lock or unlock all doors by depressing the front or rear of the switch, respectively.

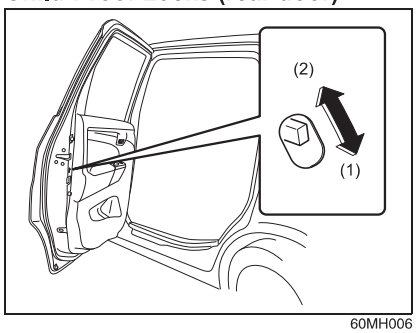
Note:
- Individual doors can also be UNLOCKED anytime by using their respective "Door Lock Knob" inside the vehicle.
- If child proof locks are in locked position, rear doors cannot be opened from inside.

NOTE:
- *You can also lock or unlock all doors by operating the transmitter or remote controller. Refer to "Keyless Push Start System Remote Controller/Keyless Entry System Transmitter" in this section.*
- *If your vehicle is equipped with the keyless push start system, you can also lock or unlock all doors by pushing the request switch. Refer to "Keyless Push Start System Remote Controller/Keyless Entry System Transmitter" in this section.*

NOTE:
- *All doors are automatically unlocked when you change the ignition mode to "LOCK" (OFF) or turn the ignition switch to the "LOCK" position and pull out the key.*
- *All doors are automatically closed for safety when the vehicle speed reaches 15 km/h.*
- *For vehicles with the keyless push start system, you can change the automatic locking or unlocking function mentioned above via the setting mode of the information display.*
  For details on how to use the information display, refer to "Information Display" in this section.

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Child-Proof Locks (rear door)



60MH006

(1) LOCK
(2) UNLOCK

Each of the rear doors is equipped with a child-proof lock which can be used to help prevent unwanted opening of the door from inside the vehicle. When the lock lever is in the "LOCK" position (1), the rear door can only be opened from outside. When the lock lever is in the "UNLOCK" position (2), the rear door can be opened from inside or outside.

⚠ WARNING

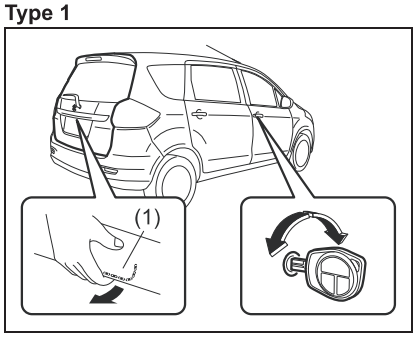
Be sure to place the child-proof lock in the "LOCK" position whenever children are seated in the rear.

Tailgate

⚠ WARNING

Always make sure that the tailgate is closed and latched securely. Completely closing the tailgate helps prevent occupants from being thrown from the vehicle in the event of an accident. Completely closing it also helps keep exhaust gases from entering the vehicle.

Type 1



60MK046

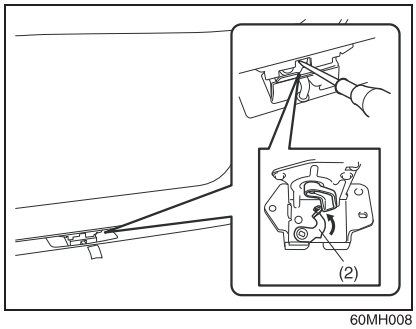
(Vehicle with keyless entry system)
You can lock and unlock the tailgate by using the key in the driver's door lock.

(Vehicle with keyless push start system)
You can lock or unlock the tailgate by pushing the request switch, when the keyless push start system remote controller is within the switch's operating range. For details refer to "Keyless Push Start System Remote Controller/Keyless Entry System Transmitter" in this section.

To open the tailgate, pull up and hold the tailgate handle (1) and lift the tailgate.

If you cannot unlatch the tailgate by pulling up the tailgate handle (1) due to a discharged battery or malfunction, follow the procedures below to unlatch the tailgate from inside the vehicle.

1) Fold the 3rd row seat forward for easier access. Refer to "Folding Rear Seats" section for details on how to fold the 3rd row seat forward.



60MH008

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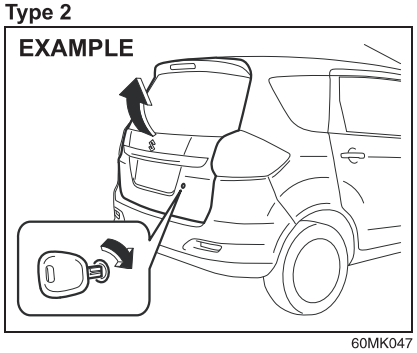
2) Push open the tailgate from inside by pushing up on the emergency lever (2) using a flat blade screwdriver or the jack handle. The tailgate will be latched again by closing the tailgate simply.

If the tailgate cannot be unlatched by pulling up the tailgate handle (1), have the vehicle inspected by your MARUTI SUZUKI dealer.

⚠ CAUTION

- **To avoid injury, do not use your finger to push the emergency lever.**
- **Make sure there is no one near the tailgate when pushing open the tailgate from inside the vehicle.**

Type 2

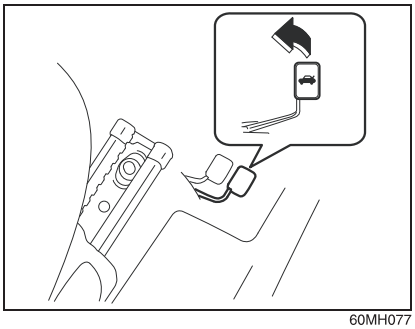


60MK047

To open the tailgate, insert the key and turn it clockwise to unlatch and lift the tailgate.

NOTICE

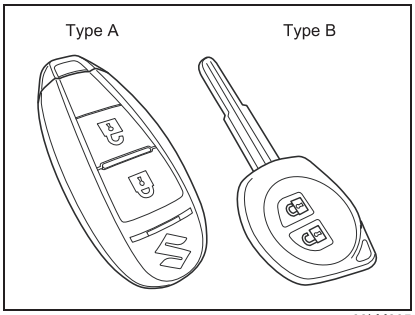
Do not use the key to lift up the tailgate, or the key may break off in the lock.



60MH077

You can also unlatch the tailgate by pulling the release lever located on the outboard side of the driver's seat.

Keyless Push Start System Remote Controller/ Keyless Entry System Transmitter (if equipped)



68LM205

Your vehicle is equipped with either a keyless push start system remote controller (Type A) or a keyless entry system transmitter (Type B). The remote controller has a keyless entry system and a keyless push start system. The transmitter has only a keyless entry system. For details, refer to the following explanations.

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⚠ WARNING

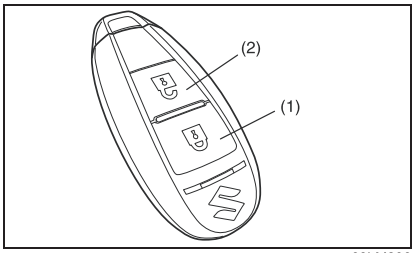
Radio waves from the keyless push start system antenna(s) may interfere with operation of electrical medical equipment such as pacemakers. Failure to take the precautions listed below can increase the risk of severe injury or death due to radio wave interference.

- **Anyone who uses electrical medical equipment such as a pacemaker should consult the medical equipment supplier or their medical advisor about whether radio waves from the antenna(s) can interfere with the medical equipment.**
- **If radio wave interference is a concern, have the function of the antenna(s) disabled by your MARUTI SUZUKI dealer.**

Keyless Push Start System Remote Controller (Type A)

The remote controller enables the following operations:

- You can lock or unlock the doors by operating the LOCK/UNLOCK buttons on the remote controller. Refer to the explanation in this section.
- You can lock or unlock the doors by pushing the request switch. For details, refer to the explanation in this section.
- You can start the engine without using an ignition key. For details, refer to "Engine Switch" in the "OPERATING YOUR VEHICLE" section.



68LM206

(1) "LOCK" button
(2) "UNLOCK" button

You can lock or unlock all doors (including the tailgate) simultaneously by operating the remote controller near the vehicle.

Central door locking system

- To lock all doors, push the "LOCK" button (1) once.
- To unlock all doors, push the "UNLOCK" button (2) once.

The turn signal lights will flash once and the siren will sound once when the doors are locked.

When the doors are unlocked:

- The turn signal lights will flash twice and the siren will sound twice.
- If the interior light switch is in the "DOOR" position, the interior light will turn on for about 15 seconds and then fade out. If you press the engine switch during this time, the light will start to fade out immediately.

Be sure the doors are locked after you operate the "LOCK" button (1).
If no door is opened within about 30 seconds after the "UNLOCK" button (2) is operated, the doors will automatically lock again.

NOTE:

- *If you lock the doors using the remote controller when the engine hood is open, the siren will sound 3 times to remind you.*
- *If the security system was triggered due to an unauthorized entry into the vehicle and then you unlock the doors using the remote controller, the siren will sound 4*

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times to remind you. If this happens, check whether your vehicle has been broken into while you were away from it.
- *Once you push both of the "LOCK" button (1) and "UNLOCK" button (2), then you push one of the buttons within 5 seconds, the siren will not sound. However, If you push one of the buttons twice within 5 seconds, or push one of the buttons 5 seconds later, the siren will sound.*
- *You can set whether the siren sounds when locking or unlocking the doors via the setting mode of the information display. For details on how to use the information display, refer to "Information Display" in this section.*

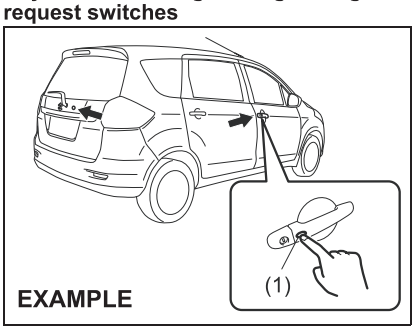
NOTE:
- *The maximum operating distance of the remote controller is about 5 m (16 ft.), but this can vary depending on the surroundings, especially near other transmitting devices such as radio towers or CB (Citizen's Band) radios.*
- *The door locks cannot be operated with the remote controller if the ignition mode is other than the "LOCK" (OFF).*
- *When any door is open, if you push the "LOCK" button on the remote controller, the exterior buzzer will sound and doors cannot be locked.*
- *If you lose one of the remote controllers, ask your MARUTI SUZUKI dealer as soon as possible for a replacement. Be sure to have your dealer program the new remote controller code in your vehicle's memory so that the old code is erased.*

Car locator function

This function helps in locating the vehicle.
Push both of the "LOCK" button (1) and "UNLOCK" button (2) for more than 3 seconds.
The turn signal lights will blink for about 27.5 seconds. Also, the siren will sound for about 27.5 seconds at the same time.
To cancel the car locator function, press any button ("LOCK" or "UNLOCK"). You can also press the engine switch to change the ignition mode to "ON" to cancel the car locator function.

NOTE:
The car locator function will not activate when the ignition mode is "ACC" or "ON" or pre warning / full blast warning by shock sensor or alarm is in activated condition.

Keyless unlocking/locking using the request switches



60MH114

When the remote controller is within the operating range described in this section, you can lock or unlock the doors (including the tailgate) by pushing the request switch (1) on the driver's door handle, front passenger's door handle or tailgate.

To lock all doors when all doors are unlocked:
- To lock all doors, push one of the request switches once.

The turn signal lights will flash once and the siren will sound once when the doors are locked.

To unlock all doors:
- Push one of the request switches once.

When the doors are unlocked:

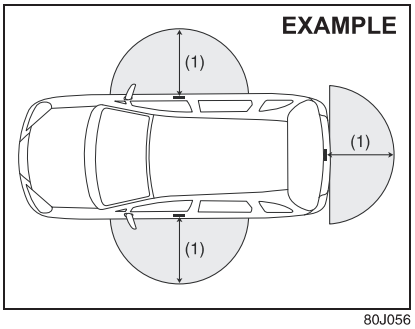
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- The turn signal lights will flash twice and the siren will sound twice.
- If the interior light switch is in the "DOOR" position, the interior light will turn on for about 15 seconds and then fade out. If you press the engine switch during this time, the light will start to fade out immediately.

Be sure the doors are locked after you operate the request switch to lock the doors.

NOTE:

- *The door locks cannot be operated by the request switch under the following conditions:*
  - *If any door is open or is not completely closed.*
  - *If the ignition mode is other than "LOCK" (OFF).*
- *If no doors are opened within about 30 seconds after unlocking the doors by pushing the request switch, the doors will be locked again automatically.*



80J056

(1) 80 cm (2 1/2 feet)

When the remote controller is within approximately 80 cm (2 1/2 feet) from a front door handle or the tailgate switch, you can lock or unlock the doors by pushing the request switch.

NOTE:

- *If the remote controller is outside the request switch operating range described above, you will not be able to operate the request switch.*
- *If the battery of the remote controller runs down or there are strong radio waves or noise, the request switch operating range may be reduced or the remote controller may be inoperative.*
- *If the remote controller is too close to the door glass, the request switches may not operate.*
- *If a spare remote controller is in the vehicle, the request switches may not operate normally.*
- *The remote controller will only operate a request switch if it is within the switch's operating range. For example, if the remote controller is within the operating range of the driver's door request switch but not the front passenger's door request switch or the tailgate request switch, the driver's door switch can be operated but the front passenger's door switch or tailgate switch cannot be operated.*

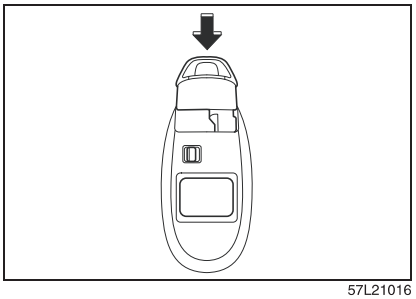
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NOTICE

The remote controller is a sensitive electronic instrument. To avoid damaging the remote controller:
- **Do not expose it to impacts, moisture or high temperature such as by leaving it on the dashboard under direct sunlight.**
- **Keep the remote controller away from magnetic objects such as a television.**

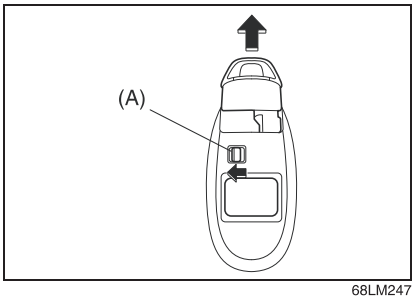
NOTE:
The keyless push start system may not function correctly in certain environments or under certain operating conditions such as the following:
- *When there are strong signals coming from a television, power station or a cellular phone.*
- *When the remote controller is in contact with or covered by a metal object.*
- *When a radio wave type remote keyless entry is used nearby.*
- *When the remote controller is placed near an electronic device such as personal computer.*

Some additional precautions you should take and information you should be aware of are:
- *Make sure the key is stowed in the remote controller. If the remote controller becomes unreliable, you will not be able to lock or unlock the doors.*
- *Be sure that the driver always carries the remote controller.*
- *If you lose one of the remote controllers, ask your MARUTI SUZUKI dealer as soon as possible for a replacement. Be sure to have your dealer program the new remote controller code in your vehicle's memory so that the old code is erased.*
- *You can use up to four remote controllers and the keys for your vehicle. Ask your MARUTI SUZUKI dealer for details.*
- *The battery life of the remote controller is about two years, but it can vary depending on usage conditions.*



57L21016

To stow the key into the remote controller, push the key in the remote controller until you hear a click.



68LM247

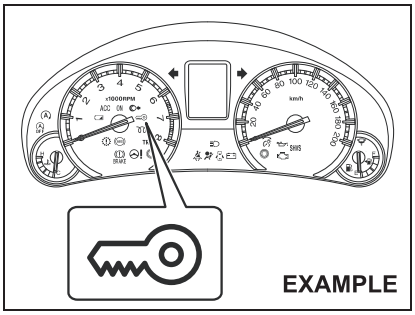
To remove the key from the remote controller, push the button (A) in the direction of the arrow and pull the key out from the remote controller.

Request switch warning buzzer
This exterior buzzer beeps for about 2 seconds in the following conditions to warn you that the request switch is not working:
- The request switch is pressed after all doors are closed with the ignition mode changed to "ACC" or "ON" by pressing the engine switch.
- The request switch is pressed in any of the following conditions after changing the ignition mode to "LOCK" (OFF) by pressing the engine switch.
  – The remote controller is left inside the vehicle.
  – Any door (including the tailgate) is open.

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Press the request switch again after doing the following:
With the ignition mode changed to “LOCK” (OFF) by pressing the engine switch, bring out the remote controller if it is inside the vehicle and check that all doors are completely closed.

Reminder function



60MH116

If the remote controller is not in the vehicle under the following conditions, the buzzer sounds intermittently for about 2 seconds and the immobilizer/keyless push start system warning light on the instrument cluster blinks:
When one or more doors are opened and all of the doors are later closed with the ignition mode is other than “LOCK”.

The indicator light will turn off within several seconds after the remote controller is returned to interior workable area.

If the remote controller is left in the vehicle and you lock the driver’s door or front passenger’s door as described below, the door will be automatically unlocked.

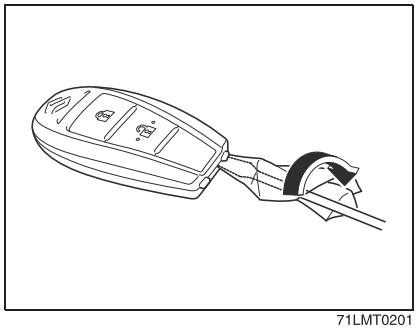
- If you open the driver’s door and lock the door by turning the lock knob forward or pushing the power door locking switch, the driver’s door will be automatically unlocked.
- If you open the front passenger’s door and lock the door by turning the lock knob forward or pushing the power door locking switch, the front passenger’s door will be automatically unlocked.

NOTE:

- *The reminder will not operate when the remote controller is on the instrument panel, in the glove box, in a storage compartment, in the sun visor or on the floor etc.*
- *Be sure that the driver always carries the remote controller.*
- *Do not leave the remote controller in the vehicle when leaving the vehicle.*

Replacement of the battery
If the remote controller becomes unreliable, replace the battery.

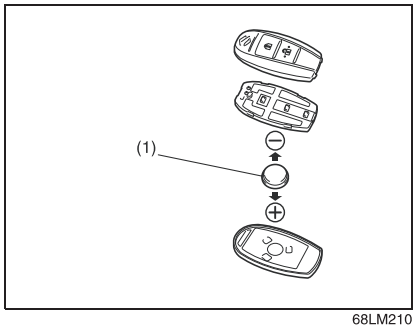
To replace the battery of the remote controller:



71LMT0201

1) Pull the key out from the remote controller.
2) Insert a flat blade screwdriver covered with a soft cloth in the slot of the remote controller and pry it open.

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68LM210

(1) Lithium disc type battery: CR2032 or equivalent

3) Replace the battery (1) so its + terminal faces the bottom of the case as shown in the illustration.
4) Close the remote controller firmly.
5) Make sure the door locks can be operated with the remote controller.
6) Dispose of the used battery properly according to applicable rules or regulations. Do not dispose of lithium batteries with ordinary household trash.

⚠ WARNING

Swallowing a lithium battery may cause serious internal injury. Do not allow anyone to swallow a lithium battery. Keep lithium batteries away from children and pets. If swallowed, contact a physician immediately.

NOTICE

The remote controller is a sensitive electronic instrument. To avoid damaging it, do not expose it to dust or moisture or tamper with internal parts.

Security System (Vehicle with Keyless push start system)

The security system is armed after you lock all doors (including the engine hood and tailgate) by using the keyless push start system remote controller or request switch.
Once the system is armed, any attempt to open a door by using any other means (*) than the keyless push start system remote controller or open the engine hood, will cause the alarm to be triggered.
* These means include the following:
  – The key
  – The lock knob on a door
  – The central door locking switch
  – The tailgate unlatch button (if equipped)

Also, in case that you have set the shock sensor to enabled state and set sensitivity of the pre-warning function and full blast warning function to a level other than 0, the warning will be triggered if any attempt to tamper with the vehicle. The shock sensor can be selected enabled or disabled state, and sensitivity of each warning can be adjusted as desired. To set the shock sensor, ask your MARUTI SUZUKI dealer or use the setting mode of the information display.

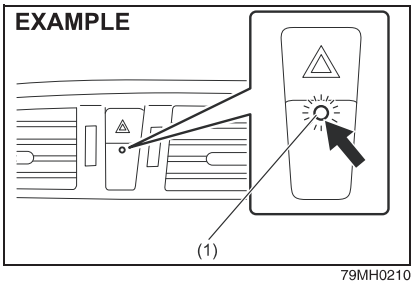
NOTE:
- *The default setting of the shock sensor is in the disabled state. Set to the enabled state and adjust sensitivity of each warning according to your preference. For details on how to use the information display, refer to "Information Display" in this section.*
- *Your dealer may have already set the shock sensor of the vehicle to the enabled state before you purchase it. Consult your dealer for further information.*

NOTE:
- *The security system generates alarms when any of the predetermined conditions is met. However, the system does not have any function of blocking unauthorized entry into the vehicle.*
- *Always use the keyless push start system remote controller to unlock the doors when the security system has been armed. Using a key instead will trigger the alarm.*

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- *If a person who does not know the security system is going to drive the vehicle, we recommend you explain the system and its operation to the person. Mistakenly triggering the alarm may cause a nuisance to others.*
- *Even if the security system is armed, you should still be careful to guard against theft. Do not leave money or things of value in the vehicle.*

How to arm the security system
Lock all doors (including the engine hood and tailgate) using the keyless push start system remote controller or request switch. When the system is armed, the indicator continues to blink at intervals of approximately 2 seconds.



79MH0210

NOTE:
- *To prevent the alarm from being accidentally triggered, avoid arming it while anyone remains inside the vehicle. The alarm will be triggered if any person inside opens the door, luggage compartment, engine hood, or the warning may be triggered if anyone swings the vehicle (if the shock sensor is in the enabled state).*
- *The security system is not armed when all doors are locked using the key from outside, using the door lock knobs or the central door locking switch from inside.*
- *If any door is not operated within approximately 30 seconds after the doors have been unlocked using the keyless push start system remote controller, the doors are automatically locked again. When the doors are locked, the security system will be armed.*
- *If the security system indicator (1) blinks when the ignition mode is "ON", there may be something wrong with the security system. Ask your MARUTI SUZUKI dealer to inspect the system.*

How to disarm the security system
Simply unlock the doors using the keyless push start system remote controller. The security system indicator will go out, indicating that the security system is disarmed.

How to stop the alarm
Should the alarm be triggered accidentally, the alarm will stop by the following operations.
- In case of emergency, press the engine switch to change the ignition mode to "ON".
- Unlock the doors using the keyless push start system remote controller, the request switch.

NOTE:
- *Even after the alarm has stopped, if you lock the doors using the keyless push start system remote controller, the security system will be rearmed.*
- *If you disconnect the battery while the security system is in the armed condition or the alarm is actually in operation, the alarm will be re-triggered when the battery is then reconnected.*
- *Even after the alarm has stopped at the end of the predetermined operation time, it will be triggered again if any of the doors, luggage compartment or engine hood is opened, or the warning may be triggered if the vehicle feels a shock (if the shock sensor is in the enabled state), without disarming the security system.*

Checking whether the alarm has been triggered during parking
If the alarm was triggered and you then turn the ignition mode is "ON", the security system indicator will blink rapidly for about 8 seconds and a buzzer will beep 4 times during this period. If this happens, check

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whether the vehicle has been broken into while you were away from it.

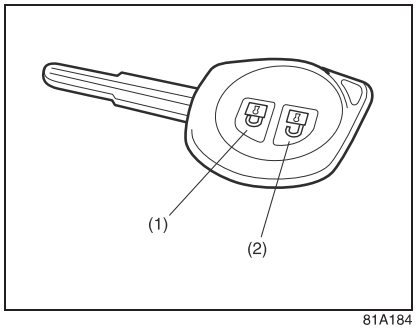
Security system indication

- If any of the doors or tailgate are opened without unlocking by the keyless push start system remote controller, all turn signal lights start to blink and the interior buzzer beeps intermittently. After 5 seconds, the siren will sound for about 27.5 seconds. The security system indicator continues to blink during this time.
- If the engine hood is opened, all turn signal lights blink, and the siren sounds for about 27.5 seconds. The security system indicator continues to blink during this time.
- If the shock sensor is in the enabled state and vehicle feels a shock higher than the pre-warning sensitivity, the siren sounds for about 2 seconds (pre-warning). If the vehicle feel a shock higher than the full blast warning sensitivity, the siren will sound for about 4.5 seconds (full blast warning). The security system indicator continues to blink during this time.

NOTE:

If you set the full blast warning sensitivity higher than the pre-warning sensitivity in the setting mode of the information display, or the vehicle feels such shock as to be able to trigger the full blast warning, the full blast warning will be triggered preferentially. In this case, the pre-warning will not be triggered.

Keyless Entry System Transmitter (Type B)



81A184

(1) "LOCK" button
(2) "UNLOCK" button

You can lock or unlock all doors (including the tailgate) simultaneously by operating the transmitter near the vehicle.

Central door locking system

- To lock all doors, push the "LOCK" button (1) once.
- To unlock all doors, push the "UNLOCK" button (2) once.

The turn signal lights will flash once and the siren will sound once when the doors are locked.

When the doors are unlocked:

- The turn signal lights will flash twice and the siren will sound twice.
- If the interior light switch is in the "DOOR" position, the interior light will turn on for about 15 seconds and then fade out. If you insert the key into the ignition switch during this time, the light will start to fade out immediately.

Be sure the doors are locked after you operate the "LOCK" button (1).

NOTE:

If no door is opened within about 30 seconds after the "UNLOCK" button (2) is operated, the doors will automatically lock again.

NOTE:

- *If you lock the doors using the transmitter when the engine hood is open, the siren will sound 3 times to remind you.*
- *If the security system was triggered due to an unauthorized entry into the vehicle and then you unlock the doors using the transmitter, the siren will sound 4 times to remind you. If this happens, check whether your vehicle has been broken into while you were away from it.*
- *Once you push both of the "LOCK" button (1) and "UNLOCK" button (2), then you push one of the buttons within 5 seconds, the siren will not sound. However, If you push one of the buttons twice within 5 seconds, or push one of the buttons 5 seconds later, the siren will sound.*

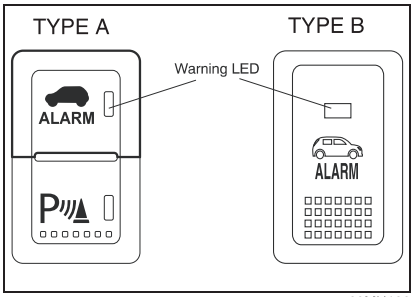
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NOTE:
- *The maximum operating distance of the keyless entry system transmitter is about 5 m (16 ft.), but this can vary depending on the surroundings, especially near other transmitting devices such as radio towers or CB (Citizen's Band) radios.*
- *The door locks cannot be operated with the transmitter, if the ignition key is inserted in the ignition switch.*
- *When any door is open, the door locks can be operated only unlock with the transmitter, and the turn signal light will not flash.*
- *If you lose one of the transmitters, ask your MARUTI SUZUKI dealer as soon as possible for a replacement. Be sure to have your dealer program the new transmitter code in your vehicle's memory so that the old code is erased.*

NOTICE

The transmitter is a sensitive electronic instrument. To avoid damaging the transmitter:
- **Do not expose it to impacts, moisture or high temperature such as by leaving it on the dashboard under direct sunlight.**
- **Keep the transmitter away from magnetic objects such as a television.**

Security System (Vehicle with Keyless entry system)

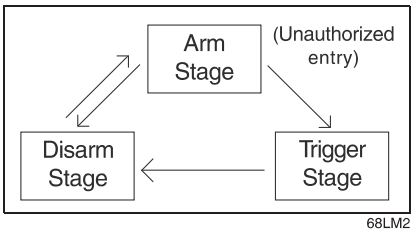


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Alarm Mode

The Alarm mode is designed to protect your vehicle from unauthorised entry. It operates in three stage:

First: Arm Stage
Second: Trigger Stage
Third: Disarm Stage

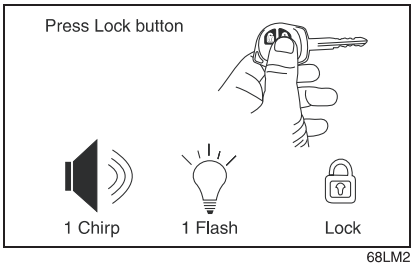


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Arm Stage

In Arm Stage, your vehicle is monitored for any unauthorized entry. In order to arm, press the key LOCK button once.
As response to locking/arming:
1) Doors will get locked & vehicle will get armed.
2) Visible theft warning LED on security switch will flash slowly to indicate arming.

NOTE:
1) Three siren chirps and one light flash of all indicator lights will indicate that engine hood is open. However, locking of all doors take place but security system will not be armed.

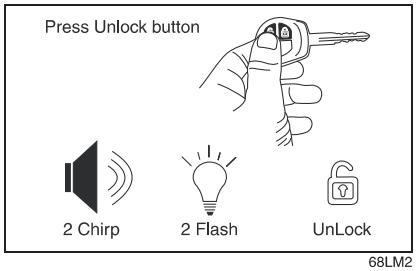


68LM2

2) Be sure to close all doors (including the engine hood and tailgate) and windows before locking/arming the vehicle.
3) System will not Lock/Arm in following conditions
a) If any of door is open.
b) If key is in key cylinder.

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Trigger Stage
In the event of any unauthorized entry (without unlocking/disarming) into the vehicle, the alarm triggers and all indicator lights flash. The triggering of the alarm is in two stages. First acting as a warning to the intruder and then alarm drawing the surrounding attention. However, alarm will be activated without any warning if intrusion happens through engine hood.



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Disarm Stage
System should be brought in Disarm Mode while you are entering the vehicle. In order to disarm: Press the key UNLOCK button once.

As response to unlocking/disarming:
1) Doors will unlock and vehicle will disarm.
2) Visible theft warning LED on security switch will flash faster than in arm stage indicating Auto rearm (described in auto rearm section).

Trigger Type	Alarm Cycle
Door Trigger (By Driver Door, Passenger Door, Engine Hood & Back Door)	1 Cycle of approximate 27.5 seconds
Ignition Trigger	1 Cycle of approximate 27.5 seconds
Impact Trigger (Built in sensor Trigger)	1 Cycle of max 4.5 seconds

GENERAL FEATURES

Illuminated Entry
When vehicle is unlocked, the room lamp will turn ON to facilitate illuminated entry into the vehicle. If no door is opened in about 15 seconds of above operation, room lamp will fade out.
If any door is opened after 15 seconds, the room lamp turns ON again and after 15 seconds of closing all doors room lamp will fade out.
If within 15 seconds after closing all the doors the driver inserts the key into the key cylinder, then the room lamp will fade out.

Illuminated Exit
When key is removed from the key cylinder room lamp will turn ON to facilitate illuminated exit. If no door is opened in about 15 seconds of key removal from key cylinder, the room lamp will fade out.
When door is opened to exit the vehicle, the room lamp will turn ON again (if it has turned OFF after 15 seconds of key removal from key cylinder) and will turn OFF after 15 seconds of closing all the doors.
If within 15 seconds of all doors closure, vehicle is locked by pressing the LOCK button, the room lamp will fade out.

NOTE: Room lamp will fade out gradually approximately in 2 seconds.

Mute Lock/Unlock
To Lock/Unlock the vehicle without siren chirps use this function.
a) Press and release the Key LOCK & UNLOCK buttons simultaneously.
b) Press and release Key LOCK or UNLOCK button for desired function.

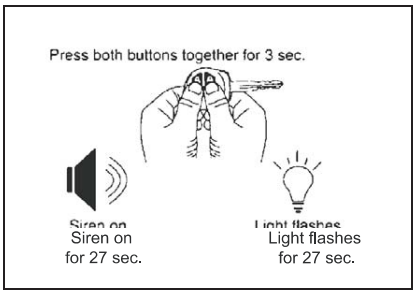
Example: To Lock the system without the Siren chirp sound, press and release the Key LOCK & UNLOCK button simultaneously, then press and release the Key LOCK button once.

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Auto Rearm
In case of accidental Unlock/Disarm of vehicle by Key, vehicle will automatically Lock & Arm within 30 sec. without any indication. Auto rearm cycle gets canceled if user does any of the following operation within 30sec :

1. Open any door (including back door).
2. Open Engine Hood.
3. Key On.

Radio Frequency Lock Out
Key Lock/Unlock/Car locator function will cease to function when Key is inside Key cylinder.



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Car locator function

This function helps in locating the vehicle.

a) Press and hold the Key LOCK & UNLOCK button simultaneously for 3 seconds or more.
b) Car locator function will be activated and siren will sound and indicator lights will flash for 27 seconds.
c) Press and release the Key LOCK & UNLOCK button simultaneously to cancel the car locator function.

NOTE:
The car locator function will not activate when the key is in the ignition switch or pre warning / full blast warning by shock sensor or alarm is in activated condition.

Flashing LED Status

The flashing LED always reflects the status of the system as following.

SYSTEM CONDITION	LED STATUS
Disarmed condition	LED does not glow
Armed condition	Slow Flashes of LED

Intrusion Alert
The system gives a report if it has been intruded in your absence. Four chirps are given when UNLOCK button is pressed after an intrusion.

Diagnostic report	Visual-LED	Sound
Built in Shock Sensor Trigger (full blast warning)	2 Flashes	Four Chirps
Door/Tailgate/ Engine Hood Intrusion	3 Flashes	Four Chirps
Ignition	5 Flashes	Four Chirps

PROGRAMMABLE FEATURES

System has some features which can be programmed by user according to their choice.

Drive Lock Mode
Drive lock mode can be programmed by SPEED LOCK or can be turned OFF. If drive lock mode is programmed to SPEED LOCK, all the vehicle doors will lock when vehicle attains the speed of 15 Km/hr. If Drive Lock is programmed to OFF, no door will lock by speed.

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NOTE:
In case of SPEED LOCK Mode, if any door is open while driving, it will get cancelled.

Once vehicle Speed crosses 15 Km/hr, the LED on Security Switch will blink for 5 seconds as indication of door open.

Drive Unlock Mode
Drive unlock can be programmed to KEY or can be turned OFF. When programmed to KEY, turning Ignition ON to OFF then removing the key from the key cylinder will unlock all the doors. If drive unlock is programmed to OFF then no door will unlock by removing key from key cylinder.

Siren Chirp ON/OFF feature
Siren Chirps can be programmed to ON or OFF. When siren chirp feature disabled, siren will not chirp after Arm/Disarm by LOCK/UNLOCK button.

Shock Sensor feature
This is a very important feature of security system. It enables protection of your vehicle against any major impact. If anybody tries to intrude into the vehicle, the warning may trigger. Triggering of the warning is of two types: pre-warning and full blast warning. The sensitivity of shock sensor can be adjusted as desired by the user.

PROCEDURE TO PROGRAM FEATURE

No.	Feature	1 Chirp	2 Chirps	Default
1.	Drive Lock Mode	Speed	OFF	Speed
2.	Drive Unlock Mode	Key	OFF	Key
3.	Siren chirp ON/OFF	ON	OFF	ON
4.	Shock Sensor ON/OFF	ON	OFF	ON

Programming Drive Lock Mode
a) Open the Driver Door of your vehicle.
b) With your vehicle key in the Key cylinder, turn Ignition ON and then switch it OFF.
c) Press and release the Security switch One time.
d) Press and hold the Security switch.
e) One chirp sound confirms entry into Drive Lock programming mode.
f) Press the Key “Lock” button (while holding the Security switch), a single chirp sound confirms mode changed to speed lock.
g) Two-Siren chirp sound confirms Drive lock mode OFF.
h) Release the Security switch.
i) Turn the Ignition ON.

Programming Drive Unlock Mode
a) Open the Driver Door of your vehicle.
b) With your vehicle key in the Key cylinder, turn Ignition ON and then switch it OFF.
c) Press and release the Security switch two times.
d) Press and hold the Security switch.
e) Two-chirp sound confirms entry into Drive unlock programming mode.
f) Press the Key Lock button (while holding the Security switch), a single chirp sound confirms the mode changed to key Unlock.
g) Two-siren chirp sound confirms the mode changed to Drive Unlock mode OFF.
h) Release the Security switch.
i) Turn the Ignition ON.

Programming Siren Chirp ON/OFF
a) Open the Driver Door of your vehicle.
b) With your vehicle key in the Key cylinder, turn Ignition ON and then switch it OFF.
c) Press and release the Security switch Three times.
d) Press and hold the Security switch.
e) Three-chirp sound confirms entry into Siren Chirp ON/OFF programming mode.
f) Press the Key Lock button (while holding the Security switch), a single chirp

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sound confirms the mode changed to Siren Chirp ON.

g) Two-Siren chirp sound confirms the mode changed to Siren Chirp OFF.

h) Release the Security switch.

i) Turn the Ignition ON.

Programming Shock Sensor ON/OFF

a) Open the Driver Door of your vehicle.

b) With your vehicle key in the Key cylinder, turn Ignition ON and then switch it OFF.

c) Press and release the Security switch Four times.

d) Press and hold the Security switch.

e) Four-chirp sound confirms entry into Shock Sensor ON/OFF programming mode.

f) Press the Key Lock button (while holding the Security switch), a single chirp sound confirms the mode changed to shock sensor ON.

g) Two-Siren chirp sound confirms the mode changed to shock sensor OFF.

h) Release the Security switch.

i) Turn the Ignition ON.

Shock Sensor Sensitivity Adjustment via Key
Full Blast adjustment

Full Blast can be adjusted in 16 levels as mentioned below.

a) Press Unlock button on Key to Unlock/ Disarm the System.

b) Press Lock button (within 2 seconds of key UNLOCK) on Key to Lock/Arm the System.

c) Within 2 sec press Lock & Unlock button simultaneously for at least 3 sec. Siren will give Long chirp to confirm entry into sensitivity adjustment mode

   i) Press Lock button to adjust the sensitivity one step lower. Siren will give one chirp every time lock button is pressed till at level 1 where it will give a long chirp. When adjusted to level 1, Full Blast will turn OFF

   ii) Press unlock button to adjust the sensitivity one step higher. Siren will give two chirp every time unlock button is pressed till at level 16 where it will give a long chirp.

Pre-warn Adjustment

Pre-warn can be adjusted in 16 levels as mentioned below:

a) Press Lock button on Key to Lock/Arm the System

b) Press Unlock button (within 2 seconds of key LOCK) on Key to Unlock/Disarm the System

c) Within 2 sec press Lock & Unlock button simultaneously for at least 3 sec. Siren will give Long chirp to confirm entry into Sensitivity Adjustment Mode.

   i) Press Lock button to adjust the sensitivity one step lower. Siren will give one chirp every time lock button is pressed till at level 1 where it will give a long chirp. When adjusted to level 1, pre-warn will turn OFF.

   ii) Press Unlock button to adjust the sensitivity one step higher. Siren will give two Chirp every time Unlock button is pressed till at level 16 where it will give a long chirp.

Program Customer Pin-code (Personalized Pin-code)

If transmitter is not working properly, then it is possible to disarm the system by Personalized pin code.

The Personalized 4-digit number can be changed from the factory default to ensure Personalized Security.

Pin code entry

a) Disarm the system.

b) Open the Driver Door.

c) Turn Ignition ON then OFF.

d) Within 5 seconds press and release Valet switch 5 times. A short chirp followed by long chirps confirms entry into Pin Code programming mode.

e) Press Lock button on Key, after a single chirp enter the First digit (within 1-9) by pressing Valet switch (for e.g. to enter 2 press and release Valet switch two times).

f) Press Lock button on Key, after two chirp enter the Second digit (within 1-9) by pressing Valet switch.

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g) Press Lock button on Key, after 3-chirps enter the Third digit (within 1-9) by pressing Valet switch.
h) Press Lock button on Key, after 4-chirps enter the Fourth digit (within 1-9) by pressing Valet switch.

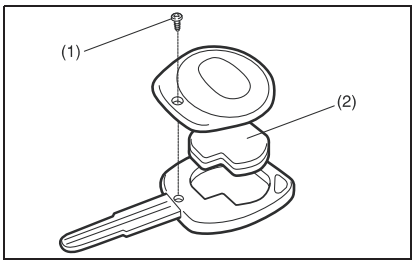
Emergency Disarm by Personalized pin code

The Personalized 4- Digit Pin Code acts as a secret Key, to Emergency Disarm the vehicle.

a) Turn the Ignition ON, OFF and then ON.
b) Enter the First digit (for e. g. to enter 2 press and release Valet switch twice)
c) Turn the Ignition OFF then ON.
d) Enter the Second digit.
e) Turn the Ignition OFF and then ON.
f) Enter the Third Digit.
g) Turn the Ignition OFF and then ON
h) Enter the Last Digit.
i) Turn the Ignition OFF and then ON.
j) The vehicle will get disarmed.

NOTE:
The default pin will be provided by the dealer at the time of delivery. It is recommended to personalize the pin for increased security. The pin must be remembered as it is not possible to retrieve a lost pin.

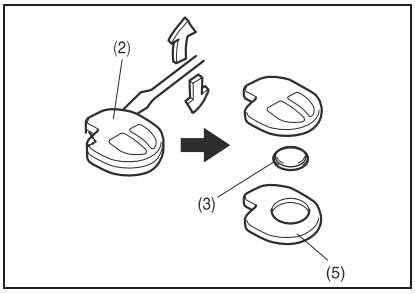
Transmitter battery Replacement of the Battery



If the transmitter battery gets discharged, replace the battery with a new one.

To replace the battery of the transmitter:

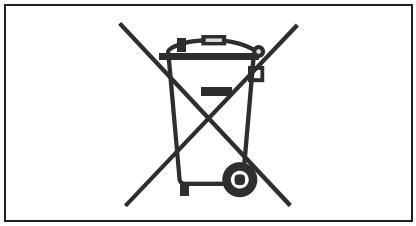
1) Remove the screw (1), and open the transmitter cover.
2) Remove the transmitter (2).
3) Put the edge of a flat blade screw driver in the slot of the transmitter (2) and pry it open.
4) Replace the battery (3) (Lithium disc type CR1620) so that its +ve terminal faces the bottom cover of the transmitter (5).



5) Close the transmitter and install it into the transmitter holder.
6) Close the transmitter cover, install and tighten the screw (1).
7) Make sure the door locks can be operated with the transmitter.

NOTE:
Normal battery life is approximately 2 years, but varies depending on usage. It is advisable to get battery replaced from MARUTI SUZUKI Authorized workshop.

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⚠ CAUTION

Do not remove the screw from the key Unnecessarily as it damages the screw head. Kindly replace the screw once the transmitter battery is changed.

⚠ CAUTION

Dispose off the used battery properly according to applicable rules or regulations. Do not dispose off lithium batteries with ordinary household trash.

⚠ WARNING

Swallowing a lithium battery may cause serious internal injury. Do not allow anyone to swallow a lithium battery. Keep lithium batteries away from children and pets. If swallowed, contact a physician immediately.

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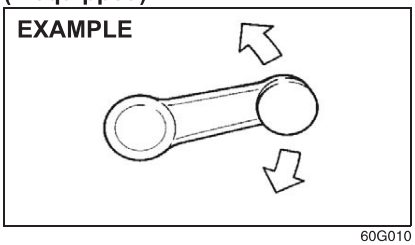
TROUBLESHOOTING

SYMPTOMS	PROBABLE CAUSES	REMEDIES
Transmitter function (Unlock/Lock/car locator function) not working	1. Battery of the transmitter is weak. 2. Transmitter is exposed to water or it is wet. 3. D/L or Dome fuse for controller is blown in the vehicle. 4. In case if any door is open or door sensor is shorted with the body ground, remote will not activate the central locking/ alarm system.	1. Check the battery. 2. Dry the transmitter and check it. 3. Check and replace the D/L or Dome fuse. 4. Check if all doors are properly closed and door switch functioning is O.K.
Operation distance of the transmitter is less than 20m but still transmitter (Unlock/ Lock/car locator function) is not working	1. Battery of the transmitter is weak. 2. Strong RF interference. (e.g. Radio Towers, High Voltage Transmission line near by)	1. Check the battery. 2. Drive the vehicle away from the particular spot and re-test the control distance.
It is difficult to activate or deactivate the system in certain area using the transmitter.	1. The strong interference caused by excessive RF activity in a particular area	1. The interference is temporary and only while the vehicle is in that area.
Alarm is not triggered even if any door(s)/ engine hood/tailgate opened in arm stage.	1. The contact point of the door(s), front bonnet or rear boot switch is faulty. 2. The connection of the door(s), front bonnet or rear boot switch is loose.	1. Replace the defective Switch. 2. Make proper connection.
Siren does not sound when alarm is triggered.	1. The connection of the siren wire is loose. 2. Siren is faulty.	1. Make proper connection. 2. Change the siren.

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Windows

Manual Window Control (if equipped)



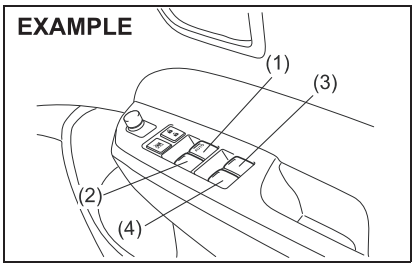
60G010

Raise or lower the door windows by turning the handle located on the door panel.

Electric Window Controls (if equipped)

The electric windows can only be operated when the ignition switch is in the "ON" position or the ignition mode is "ON".

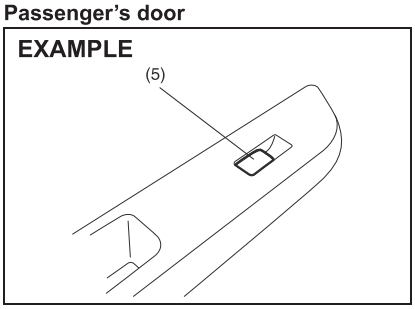
Driver's side



60MK049

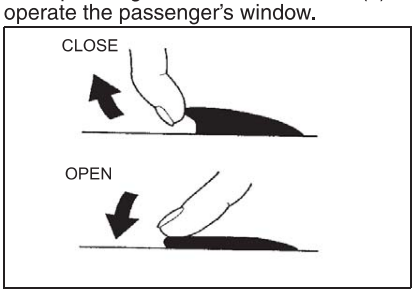
The driver's door has a switch (1) to operate the driver's window, and a switch (2) to operate the front passenger's window or there are switches (3), (4), to operate the rear right and left passenger windows, respectively.

Passenger's door



74LHT0205

Each passenger's door has a switch (5) to operate the passenger's window.

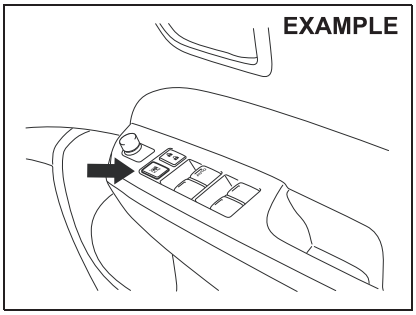


81A009

To open a window, push the top part of the switch and to close the window lift up the top part of the switch.

The driver's window has an "auto-down" feature for added convenience (at toll booths or drive-through restaurants, for example). This means you can open the window without holding the window switch in the "Down" position. Press the driver's window switch completely down and release it. To stop the window before it reaches the bottom, pull the switch up briefly.

Lock switch



60MK050

The driver's door also has a lock switch for the passenger's windows. When you push in the lock switch, the passenger's windows cannot be raised or lowered by operating any of the switches (2), (3), (4) or (5).

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To restore normal operation, release the lock switch by pushing again.

⚠ WARNING

- **You should always lock the passenger's window operation when there are children in the vehicle. Children can be seriously injured if they get part of their body caught by the window during operation.**
- **To avoid injuring an occupant by window entrapment, be sure no part of the occupant's body such as hands or head is in the path of the electric windows when closing them.**
- **Always remove the ignition key or take the keyless push start system remote controller with you when leaving the vehicle even if only for a short time. Also do not leave children alone in a parked vehicle. Unattended children could use the electric window switches and get trapped by the window.**

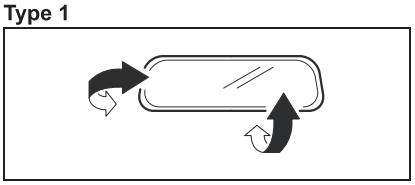
NOTE:
If you drive with one of the rear windows open, you may hear a loud sound caused by air vibration. To reduce the sound, open the driver's or front passenger's window, or narrow the rear window opening.

Mirrors

Inside Rearview Mirror

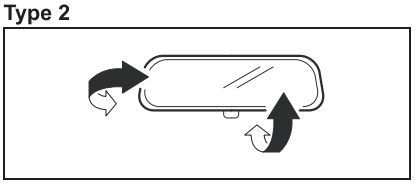
You can adjust the inside rearview mirror by hand so as to see the rear of your vehicle in the mirror.

Type 1

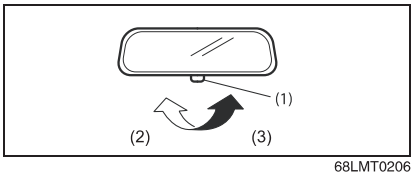


74LHT0235

Type 2



68LMT0205



68LMT0206

(2) Day driving
(3) Night driving

To adjust the mirror, set the selector tab (1) to the day position, then move the mirror up, down or sideways by hand to obtain the best view.

When driving at night, you can move the selector tab to the night position to reduce glare from the headlights of vehicles behind you.

⚠ WARNING

- **Always adjust the mirror with the selector set to the day position.**
- **Only use the night position if it is necessary to reduce glare from the headlights of vehicles behind you. Be aware that in this position you may not be able to see some objects that could be seen in the day position.**

Outside Rearview Mirrors

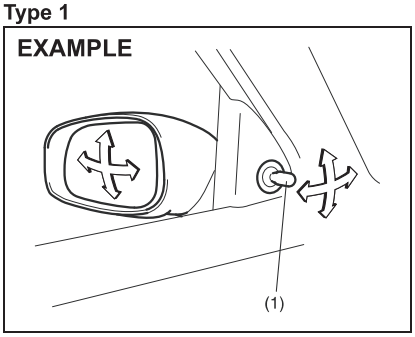
Adjust the outside rearview mirrors so you can just see the side of your vehicle in the mirrors.

⚠ WARNING

Be careful when judging the size or distance of a vehicle or other object seen in the side convex mirror. Be aware that objects look smaller and appear farther away than when seen in a flat mirror.

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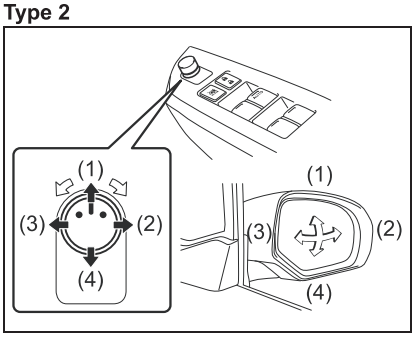
Type 1



77J009

You can adjust the outside rearview mirrors by hand with the knob (1) located on the driver's or front passenger's door panel.

Type 2

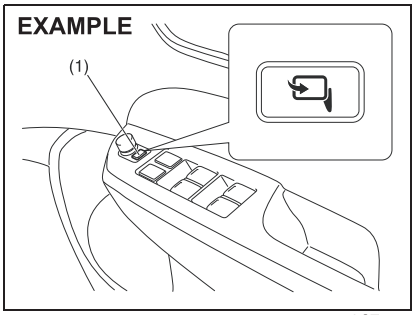


60MK051

The switch to control the electric mirrors is located on the driver's door panel. You can adjust the mirrors when the ignition switch is in the "ACC" or "ON" position, or the ignition mode is "ACC" or "ON". To adjust the mirrors:

1) Move the selector switch to the left or right to select the mirror you wish to adjust.
2) Press the outer part of the switch that corresponds to the direction in which you wish to move the mirror.
3) Return the selector switch to the center position to help prevent unintended adjustment.

Outside Rearview Mirrors Folding Switch (if equipped)



71LST0207

You can fold the mirrors when you park the vehicle in a narrow space. When the ignition switch is in the "ACC" or "ON" position, or the ignition mode is "ACC" or "ON", push the folding switch (1) to fold and unfold the mirrors. Make sure the mirrors are completely unfolded before you start driving.

⚠ CAUTION

Moving mirrors can pinch and injure a hand. Do not allow any one's hand to get near the mirrors when folding and unfolding the mirrors.

Front Seats

Seat Adjustment

⚠ WARNING

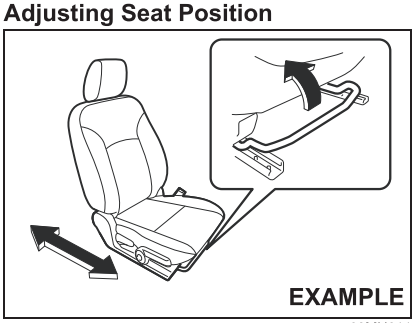
Never attempt to adjust the driver's seat or seatback while driving. The seat or seatback could move unexpectedly, causing loss of control. Make sure that the driver's seat and seatback are properly adjusted before you start driving.

⚠ WARNING

To avoid excessive seat belt slack, which reduces the effectiveness of the seat belts as a safety device, make sure that the seats are adjusted before the seat belts are fastened.

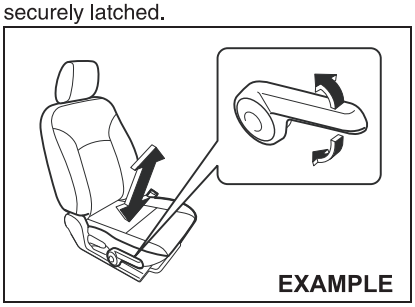
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Adjusting Seat Position



60MH011

The adjustment lever for each front seat is located under the front of the seat. To adjust the seat position, pull up on the adjustment lever and slide the seat forward or rearward.
After adjustment, try to move the seat forward and rearward to ensure that it is securely latched.



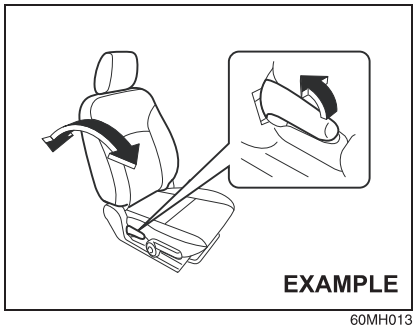
60MH012

If the driver's seat is equipped with a seat height adjuster lever on the outboard side of the seat, raise or lower the seat by pulling up or down the adjuster lever.

Adjusting Seatbacks

⚠ WARNING

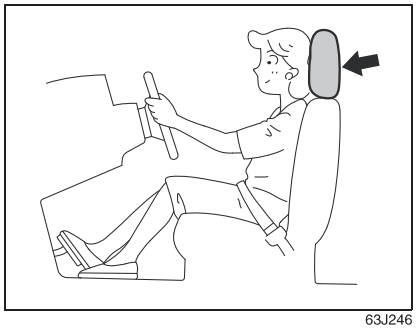
All seatbacks should always be in an upright position when driving, or seat belt effectiveness may be reduced. Seat belts are designed to offer maximum protection when seatbacks are in the upright position.



60MH013

To adjust the seatback angle of front seats, pull up the lever on the outboard side of the seat, move the seatback to the desired position, and release the lever to lock the seatback in place.

Head Restraints



63J246

Head restraints are designed to help reduce the risk of neck injuries in the case of an accident. Adjust the head restraint to the position which places the center of the head restraint closest to the top of your ears. If this is not possible for very tall passengers, adjust the head restraint as high as possible.

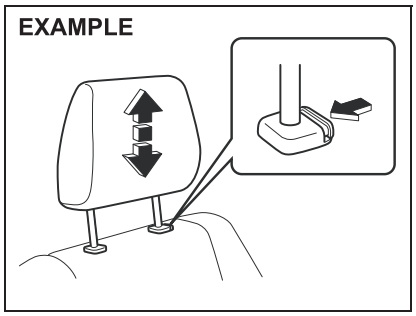
⚠ WARNING

- **Never drive the vehicle with the head restraints removed.**
- **Do not attempt to adjust the head restraint while driving.**

NOTE:
It may be necessary to recline the seatback to provide enough overhead clearance to remove the head restraint.

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Front



80JS082

To raise the front head restraint, pull upward on the restraint until it clicks. To lower the restraint, push down on the restraint while holding in the lock lever. If a head restraint must be removed (for cleaning, replacement, etc.), push in the lock lever and pull the head restraint all the way out.

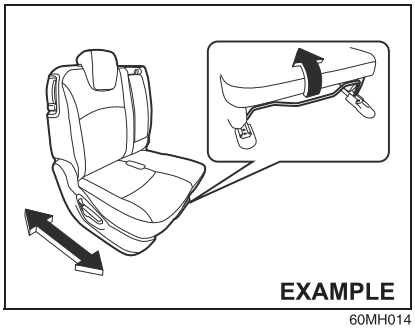
Rear Seats

Seat Adjustment

⚠ WARNING

To avoid excessive seat belt slack, which reduces the effectiveness of the seat belts as a safety device, make sure that the seats are adjusted before the seat belts are fastened.

Adjusting Seat Position (for 2nd row seats)



60MH014

The adjustment levers for 2nd row seats are located under the front of the seats. To adjust the seat position, pull up on the adjustment lever and slide the seat forward or rearward.
After adjustment, try to move the seat forward and rearward to ensure that it is securely latched.

NOTICE

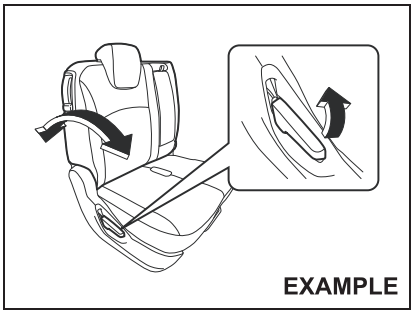
When the 3rd row seat is folded forward, adjust the 2nd row seat not to reach the 3rd row seat.

Adjusting Seatbacks

⚠ WARNING

All seatbacks should always be in an upright position when driving, or seat belt effectiveness may be reduced. Seat belts are designed to offer maximum protection when seatbacks are in the upright position.

For 2nd row seats

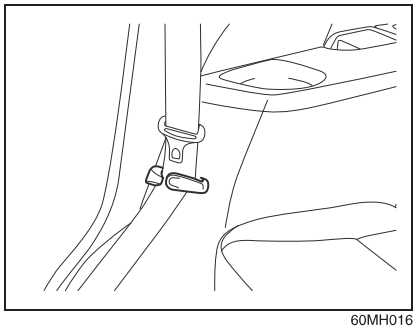


60MH015

To adjust the seatback angle of 2nd row seats, pull up the lever on the outboard side of the seat, move the seatback to the desired position, and release the lever to lock the seatback in place.

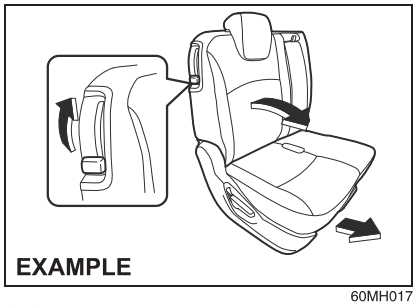
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Walk-in Type Seats (for 2nd row seats)



60MH016

NOTE:
To enter to or exit from the 3rd row seat, hook the webbing of the outboard lap-shoulder belt of 2nd row seat before moving the 2nd row seat.



60MH017

The walk-in type seat can be moved to provide easy entry to and exit from the 3rd row seats. You can move a walk-in seat by pulling up the lever on the outboard side of the seatback and pushing the seatback forward.

⚠ WARNING

- **After using the walk-in function, be sure to return the folded seatback to an upright position.**
- **Before returning a walk-in seat to its normal seating position, make sure that the feet of the passenger in the 3rd row seat are out of the way.**
- **After returning the seat to its normal seating position, make sure it is securely latched.**

Head Restraints (if equipped)

Head restraints are designed to help reduce the risk of neck injuries in the case of an accident.

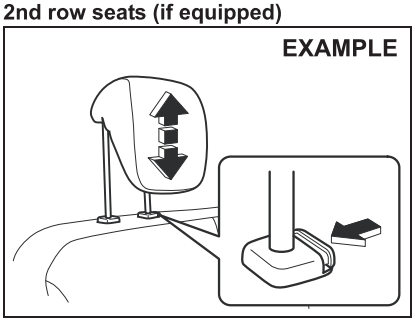
⚠ WARNING

- **Never drive the vehicle with the head restraints removed.**
- **Do not attempt to adjust the head restraint while driving.**

NOTE:
It may be necessary to fold forward the seatback to provide enough overhead clearance to remove the head restraint.

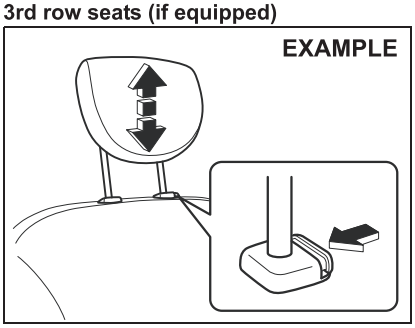
Adjust the head restraint to the position which places the center of the head restraint closest to the top of your ears. If this is not possible for very tall passengers, adjust the head restraint as high as possible.

2nd row seats (if equipped)



60MH018

3rd row seats (if equipped)



60MK052

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To raise the rear head restraint, pull upward on the restraint until it clicks. To lower the restraint, push down on the restraint while holding in the lock lever. If a head restraint must be removed (for cleaning, replacement, etc.), push in the lock lever and pull the head restraint all the way out.

When installing a child restraint system, raise the head restraint to the most upper position.

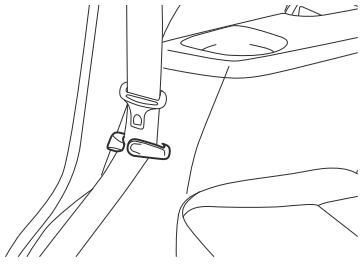
Folding Rear Seats

The rear seat of your vehicle can be folded forward to provide additional cargo space.

2nd row seats

To fold the 2nd row seat forward:

EXAMPLE



60MH016

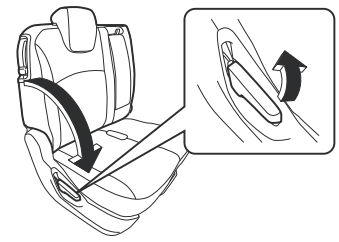
1) Hook the webbing of the outboard lap-shoulder belts in the belt hangers.

NOTICE

- **When you move a seatback, make sure the belt webbing is hooked in the seat belt hangers so the seat belts are not caught by the seatback. This helps prevent damage to the belt system.**
- **Make sure the belt webbing is not twisted.**

2) Lower the head restraint (if equipped) fully.
3) Store the seat belt buckles in the seat cushion slit.

EXAMPLE



60MH060

4) Pull up the lever on the outboard side of the seat, and fold the seatback forward.

NOTICE

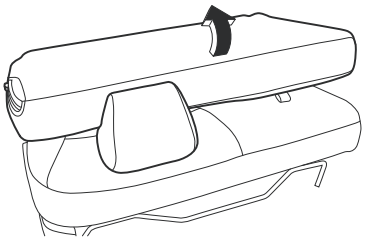
When the 2nd row seat head restraint reaches the front seatback, slide the front seat forward.

⚠ WARNING

If you need to carry cargo in the passenger compartment with the 2nd row seatback folded forward, be sure to secure the cargo or it may be thrown about, causing injury. Never pile cargo higher than the seatback.

To return the seat to the normal position, follow the procedure below.

EXAMPLE



60MH061

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Raise the seatback until it locks into place.

NOTE:
When the seatback is locked in the folded position, pull up the lever on the outboard side of the seat to unlatch the seatback.

After returning the seat, try moving the seatback to make sure they are securely latched.

3rd row seats

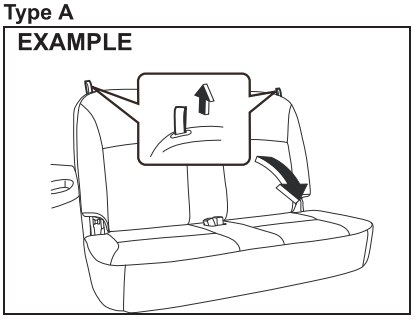
To fold the 3rd row seat(s) forward:

1) Lower the head restraint (if equipped) fully.
2) Store the seat belt buckles in the seat cushion slit.

NOTICE

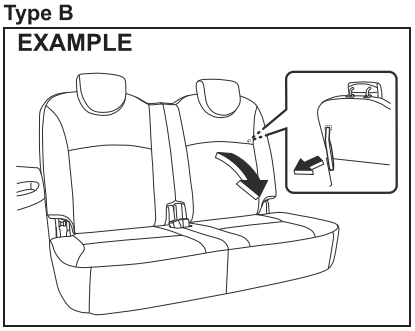
For type B seat, store both of the seat belt buckles in the seat cushion slit before folding seat(s). This helps prevent being dropped under the seat cushion.

Type A



60MK053

Type B



60MK054

3) For type A seat, pull up the both release straps on the top of seat, and fold the seatback forward.
   For type B seat, pull the release strap on behind the seatback, and fold the seatback forward.

NOTICE

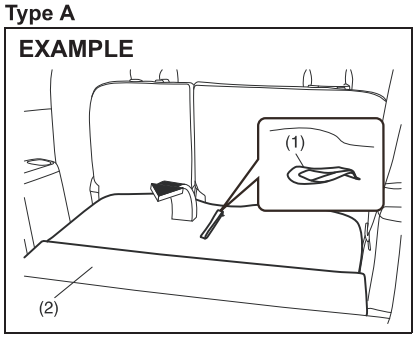
When the 3rd row seat head restraint reaches the 2nd row seatback, slide the 2nd row seat forward.

⚠ WARNING

If you need to carry cargo in the passenger compartment with the 3rd row seatback folded forward, be sure to secure the cargo or it may be thrown about, causing injury. Never pile cargo higher than the seatback.

To return the seat to the normal position, follow the procedure below.

Type A



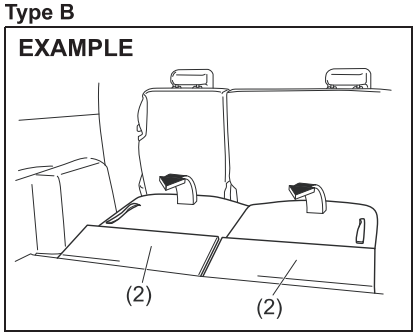
60MK025

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Raise the seatback until it locks into place.

When you raise the seat from back of it, pull the strap (1).

Type B



60MK055

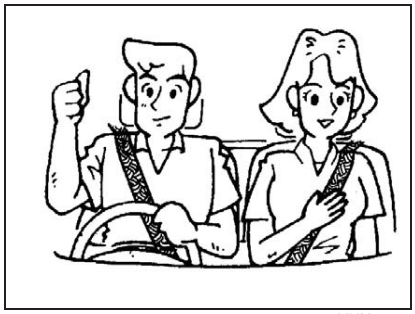
Raise the seatback until it locks into place.

NOTICE

Do not pull the luggage flap (2) (if equipped) or place any luggage when the luggage flap is pull toward rear. Otherwise, the luggage flap (2) will be damaged.

After returning the seat, try moving the seatback to make sure they are securely latched.

Seat Belts and Child Restraint Systems



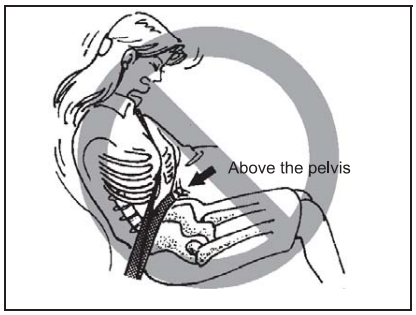
60MHM02002

⚠ WARNING

Wear Your Seat Belts at All Times.

⚠ WARNING

An air bag supplements, or adds to, the frontal crash protection offered by seat belts. The driver and all passengers must be properly restrained by wearing seat belts at all times, whether or not an air bag is mounted at their seating position, to minimize the risk of severe injury or death in the event of a crash.



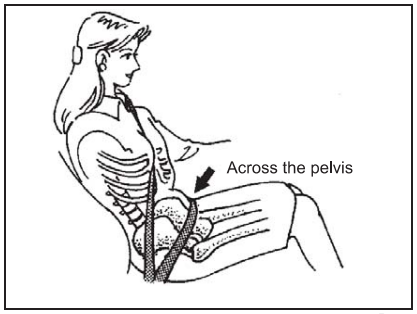
65D606

⚠ WARNING

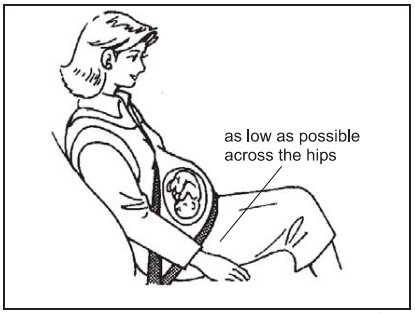
- **Never allow persons to ride in the cargo area of a vehicle. In the event of an accident, there is a much greater risk of injury for persons who are not riding in a seat with their seat belt securely fastened.**
- **Seat belts should always be adjusted as follows:**
  - **– the lap portion of the belt should be worn low across the pelvis, not across the waist.**
  - **– the shoulder straps should be worn on the outside shoulder only, and never under the arm.**
  - **– the shoulder straps should be away from your face and neck, but not falling off your shoulder.**

(Continued)

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65D201



65D199

⚠ WARNING

(Continued)
- **Seat belts should never be worn with the straps twisted and should be adjusted as tightly as is comfortable to provide the protection for which they have been designed. A slack belt will provide less protection than one which is snug.**
- **Make sure that each seat belt buckle is inserted into the proper buckle catch. It is possible to cross the buckles in the rear seat.**

(Continued)

⚠ WARNING

(Continued)
- **Pregnant women should use seat belts, although specific recommendations about driving should be made by the woman's medical advisor. Remember that the lap portion of the belt should be worn as low as possible across the hips, as shown in the diagram.**
- **Do not wear your seat belt over hard or breakable objects in your pockets or on your clothing. If an accident occurs, objects such as glasses, pens, etc. under the seat belt can cause injury.**

(Continued)

⚠ WARNING

(Continued)
- **Never use the same seat belt on more than one occupant and never attach a seat belt over an infant or child being held on an occupant's lap. Such seat belt use could cause serious injury in the event of an accident.**
- **Periodically inspect seat belt assemblies for excessive wear and damage. Seat belts should be replaced if webbing becomes frayed, contaminated, or damaged in any way. It is essential to replace the entire seat belt assembly after it has been worn in a severe impact, even if damage to the assembly is not obvious.**
- **Children age 12 and under should ride properly restrained in the rear seat.**
- **Infants and small children should never be transported unless they are properly restrained. Restraint systems for infants and small children can be purchased locally and should be used. Make sure that the system you purchase meets applicable safety standards. Read and follow all the directions provided by the manufacturer.**

(Continued)

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⚠ WARNING

(Continued)
- **For children, if the shoulder belt irritates the neck or face, move the child closer to the center of the vehicle.**
- **Avoid contamination of seat belt webbing by polishes, oils, chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water.**
- **Do not insert any items such as coins, clips, etc. into the seat belt buckles, and be careful not to spill liquids into these parts. If foreign materials get into a seat belt buckle, the seat belt may not work properly.**
- **All seatbacks should always be in an upright position when driving, or seat belt effectiveness may be reduced. Seat belts are designed to offer maximum protection when seatbacks are in the upright position.**

Lap-Shoulder Belt

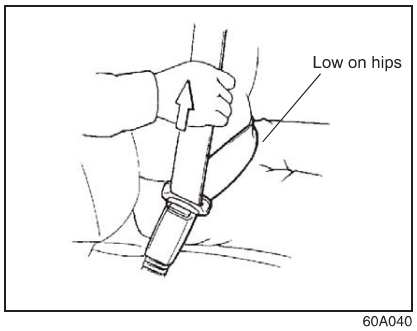
Emergency Locking Retractor (ELR)

The seat belt has an emergency locking retractor (ELR), which is designed to lock the seat belt only during a sudden stop or impact. It also may lock if you pull the belt across your body very quickly. If this happens, let the belt go back to unlock it, then pull the belt across your body more slowly.

Safety reminder



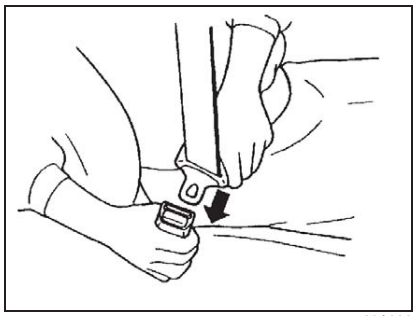
60A038



60A040

To reduce the risk of sliding under the belt during a collision, position the lap portion of the belt across your lap as low on your hips as possible and adjust it to a snug fit by pulling the shoulder portion of the belt upward through the latch plate. The length of the diagonal shoulder strap adjusts itself to allow freedom of movement.

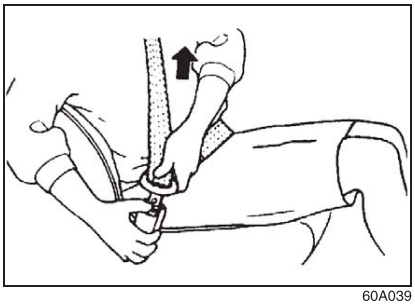
All Seat Belts Except Center of 2nd Row Seat



60A036

To fasten the seat belt, sit up straight and well back in the seat, pull the latch plate attached to the seat belt across your body and press it straight into the buckle until you hear a “click”.

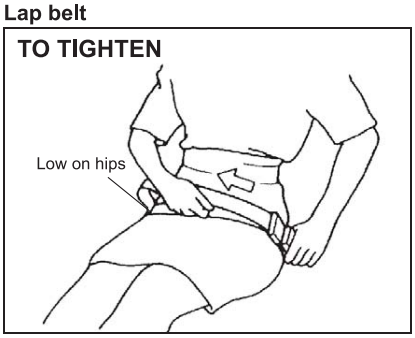
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60A039

To unfasten the seat belt, push the button on the buckle and retract the belt slowly while attaching a hand to the belt or/and the latch plate.

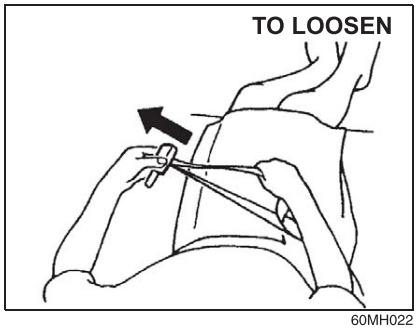
Center Seat Belt of 2nd Row Seat

Lap belt



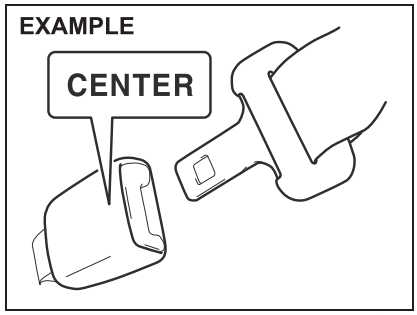
60MH021

Sit up straight and well back in the seat. To fasten the belt, pull the latch plate attached to the seat belt across your hips and press it straight into the buckle until you hear a “click”. To reduce the risk of sliding under the belt during a collision, position the belt across your lap as low on your hips as possible and adjust it to a snug fit.
To tighten the belt, pull the free end of the belt across alongside the lap strap.



60MH022

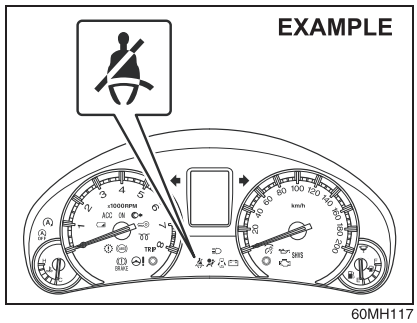
To lengthen, release the latch plate from the buckle, pull the latch plate (adjuster) in the direction of the arrow. The latch plate should then be refitted into the buckle and the belt tightened as previously described.



80J2008

NOTE:
The word “CENTER” is marked into the buckle for the rear center belt. The buckles are designed so a latch plate cannot be inserted into the wrong buckle.

Driver’s Seat Belt Reminder



60MH117

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When the driver does not buckle his or her seat belt, the driver's seat belt reminder light in the instrument cluster will come on or blink and a buzzer will sound as a reminder to the driver to buckle his or her seat belt. For more details, refer to the explanation below.

If the driver's seat belt remains unbuckled when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", the reminder works as follows:

1) The driver's seat belt reminder light will come on.
2) After the vehicle's speed has reached about 15 km/h, the driver's seat belt reminder light will blink and a buzzer will sound for about 95 seconds.
3) After step 2) has finished, the reminder light will remain on until the driver's seat belt is buckled.

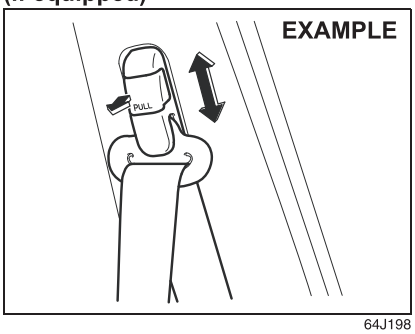
If the driver has buckled his or her seat belt and later unbuckles the seat belt, the reminder system will be activated from step 1) or step 2) according to the vehicle's speed. When the vehicle's speed is below about 15 km/h, the reminder will start from step 1). When the vehicle's speed is above about 15 km/h, the reminder will start from step 2).

The reminder will be automatically canceled when the driver's seat belt is buckled or the ignition switch is turned off, or the engine switch is pressed to change the ignition mode to "LOCK" (OFF).

⚠ WARNING

It is absolutely essential that the driver and passengers wear their seat belts at all times. Persons who are not wearing seat belts have a much greater risk of injury if an accident occurs. Make a regular habit of buckling your seat belt before putting the key in the ignition or pressing the engine switch.

Shoulder Anchor Height Adjuster (if equipped)



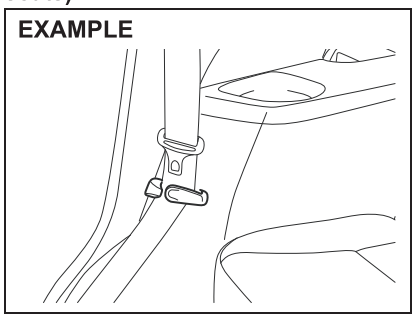
64J198

Adjust the shoulder anchor height so that the shoulder belt rides on the center of the outboard shoulder. To move upward, slide the anchor up. To move downward, slide the anchor down while pulling the lock knob out. After adjustment, make sure that the anchor is securely locked.

⚠ WARNING

Be sure that the shoulder belt is positioned on the center of the outside shoulder. The belt should be away from your face and neck, but not falling off your shoulder. Misadjustment of the belt could reduce the effectiveness of the safety belt in a crash.

Seat Belt Hanger (for 2nd row seats)

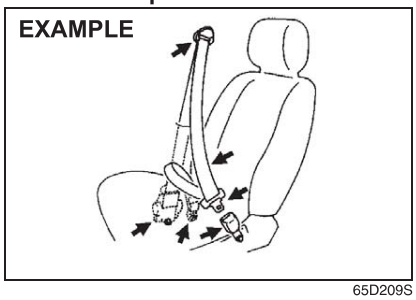


60MH016

NOTE:
To enter to or exit from the 3rd row seat, hook the webbing of the outboard lap-shoulder belt of 2nd row seat before moving the 2nd row seat.

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Seat Belt Inspection



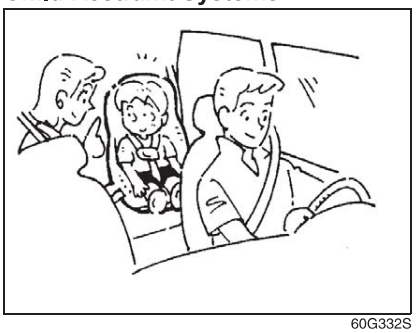
65D209S

Periodically inspect the seat belts to make sure they work properly and are not damaged. Check the webbing, buckles, latch plates, retractors, anchorages, and guide loops. Replace any seat belts which do not work properly or are damaged.

⚠ WARNING

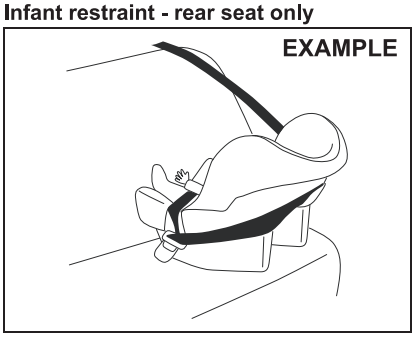
Be sure to inspect all seat belt assemblies after any collision. Any seat belt assembly which was in use during a collision (other than a very minor one) should be replaced, even if damage to the assembly is not obvious. Any seat belt assembly which was not in use during a collision should be replaced if it does not function properly, it is damaged in any way or the seat belt pretensioners (if equipped) were activated (that is, if the front air bags were activated).

Child Restraint Systems



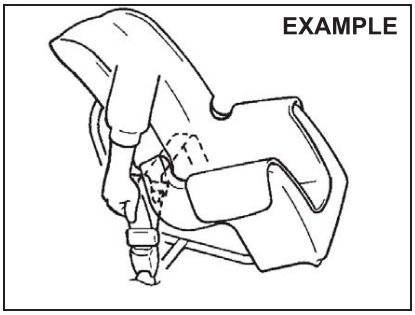
60G332S

Infant restraint - rear seat only



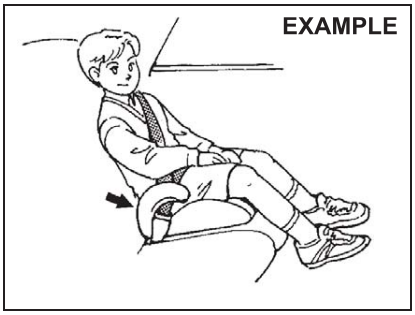
80JC007

Child restraint



80JC016

Booster seat



80JC008

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Maruti Suzuki highly recommends that you use a child restraint system to restrain infants and small children. Many different types of child restraint systems are available; make sure that the restraint system you select meets applicable safety standards.

All child restraint systems are designed to be secured in vehicle seats by either seat belts (lap belts or the lap portion of lap-shoulder belts). Whenever possible, vehicle recommends that child restraint systems be installed on the rear seat. According to accident statistics, children are safer when properly restrained in rear seating positions than in front seating positions.

If you must use a front-facing child restraint in the front passenger's seat, adjust the passenger's seat as far back as possible.

NOTE:
Observe any statutory regulation about child restraints.



65D607

⚠ WARNING

If your vehicle is equipped with a front passenger air bag, do not install a rear-facing child restraint in the front passenger's seat. If the passenger's air bag inflates, a child in a rear-facing child restraint could be killed or seriously injured. The back of a rear-facing child restraint would be too close to the inflating air bag.

⚠ WARNING

If you install a child restraint system in the 2nd row seat, slide the seat with child restraint system as far back as possible so that the child's feet do not contact the front seatback. These will help avoid injury to the child in the event of an accident.



65D608

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65D609

⚠ WARNING

Children could be endangered in a crash if their child restraint systems are not properly secured in the vehicle. When installing a child restraint system, be sure to follow the instructions below. Be sure to secure the child in the restraint system according to the manufacturer's instructions.

⚠ WARNING

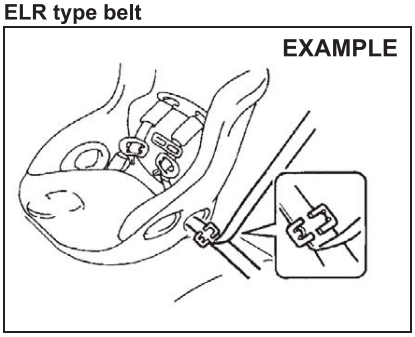
In an accident or sudden stop, the rear seat armrest (if equipped) could fall forward. If there is a child in a rear-facing child restraint in the center seating position, the falling armrest could injure the child. Make sure the armrest is back in the seat when not in use.

Installation with Lap-Shoulder Seat Belts

NOTICE

Before installing a child restraint system in the rear seat, raise the head restraint (if equipped) to the most upper position.

ELR type belt



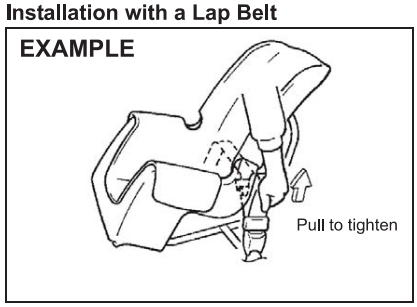
80JC021

Install your child restraint system according to the instructions provided by the child restraint system manufacturer.

Make sure that the seat belt is securely latched.

Try to move the child restraint system in all directions to make sure it is securely installed.

Installation with a Lap Belt



60G132

Install your child restraint system according to the instructions provided by the child restraint system manufacturer.

To lengthen or tighten the belt, refer to the "**Lap-belt**" item in this "Seat Belts and Child Restraint Systems" section. After making sure that the seat belt is securely latched, try moving the child restraint system in all directions, to make sure it is securely installed. If you need to tighten the belt, pull the free end of the webbing.

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Child Restraint System for India

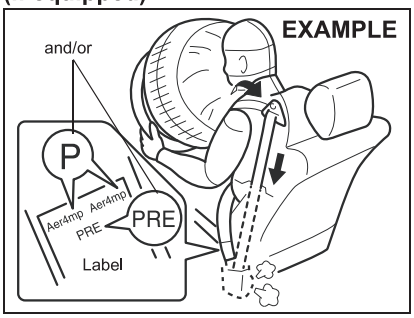
Child Restraint

The suitability of each passenger's seat position for carriage of children and fitting of child restraint system is shown in the table below. Whenever you carry children up to 12 years of age, properly use the child restraints which conform to AIS 072, the standard for child restraints, referring to the table.

MASS GROUP	Seating position (or other site)				
	Front Passenger	Rear Outboard	Rear Centre	Intermediate Outboard	Intermediate Centre
Group 0 Up to 10 kg	X	X	X	U	X
Group 0+ Up to 13 kg	X	X	X	U	X
Group I 9 to 18 kg	X	X	X	U	X
Group II 15 to 25 kg	X	X	X	U	X
Group III 22 to 36 kg	X	X	X	U	X

Key of letters to be inserted in the above table:
U =Suitable for 'universal' category restraints approved for use in this mass group
X =Seat position not suitable for children in this mass group
N.A = Seat position not available for children in this mass group.
NOTE: 'universal' is the category in the AIS 072.
: 'Outboard' indicates window side seat.

Seat Belt Pretensioner System (if equipped)



63J269

⚠ WARNING

This section of the owner's manual describes your vehicle's SEAT BELT PRETENSIONER SYSTEM. Please read and follow ALL these instructions carefully to minimize your risk of severe injury or death.

To determine if your vehicle is equipped with a seat belt pretensioner system at the front seating positions, check the label on the front seat belt at the bottom part. If the letters "p" and/or "PRE" appear as illustrated, your vehicle is equipped with the seat belt pretensioner system. You can use the pretensioner seat belts in the same manner as ordinary seat belts.

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Read this section and the “Supplemental Restraint System (air bags)” section to learn more about the pretensioner system.

The seat belt pretensioner system works with the SUPPLEMENTAL RESTRAINT SYSTEM (Air Bags). The crash sensors and the electronic controller of the air bag system also control the seat belt pretensioners. When the air bags are triggered, the pretensioner are also triggered. For precautions and general information including servicing the pretensioner system, refer to the “Supplemental Restraint System (air bags)” section in addition to this “Seat Belt Pretensioner System” section, and follow all those precautions.

The pretensioner is located in each front seat belt retractor. The pretensioner tightens the seat belt so the belt fits the occupant’s body more snugly in the event of a frontal crash. The retractors will remain locked after the pretensioners are activated. Upon activation, some noise will occur and some smoke may be released. These conditions are not harmful and do not indicate a fire in the vehicle.
The driver and all passengers must be properly restrained by wearing seat belts at all times, whether or not a pretensioner is equipped at their seating position, to minimize the risk of severe injury or death in the event of a crash.

Sit fully back in the seat; sit up straight; do not lean forward or sideways. Adjust the belt so the lap portion of the belt is worn low across the pelvis, not across the waist. Please refer to the “Seat Adjustment” section and the instructions and precautions about the seat belts in this “Seat Belts and Child Restraint Systems” section for details on proper seat and seat belt adjustments.

Please note that the pretensioners along with the air bags will activate in severe frontal collisions. They are not designed to activate in rear impacts, side impacts, rollovers, or minor frontal collisions. The pretensioners can be activated only once. If the pretensioners are activated (that is, if the air bags are activated), have the pretensioner system serviced by an authorized MARUTI SUZUKI dealer as soon as possible.

If the “AIR BAG” light on the instrument cluster does not blink or come on briefly when the ignition switch is turned to the “ON” position or the engine switch is pressed to change the ignition mode to “ON”, stays on for more than 10 seconds, or comes on while driving, the pretensioner system or the air bag system may not work properly. Have both systems inspected by an authorized MARUTI SUZUKI dealer as soon as possible.

Service on or around the pretensioner system components or wiring must be performed only by an authorized MARUTI SUZUKI dealer who is specially trained. Improper service could result in unintended activation of pretensioners or could render the pretensioner inoperative. Either of these two conditions may result in personal injury.

To prevent damage or unintended activation of the pretensioners, be sure the battery is disconnected and the ignition switch has been in the “LOCK” position or the ignition mode has been “LOCK” (OFF) for at least 90 seconds before performing any electrical service work on your vehicle.

Do not touch pretensioner system components or wiring. The wires are wrapped with yellow tape or yellow tubing, and the couplers are yellow. When scrapping your vehicle, ask your MARUTI SUZUKI dealer, body repair shop, or scrap yard for assistance.

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Supplemental Restraint System (air bags)

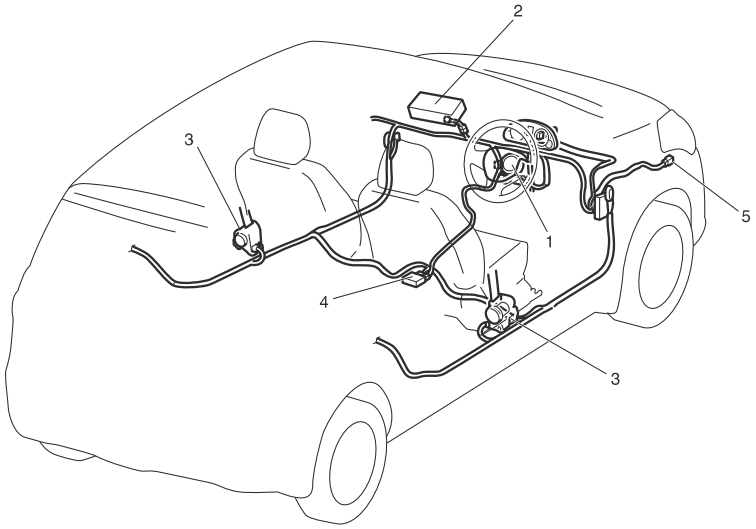
⚠ WARNING

This section of the owner's manual describes the protection provided by your vehicle's SUPPLEMENTAL RESTRAINT SYSTEM (air bags). Please read and follow ALL these instructions carefully to minimize your risk of severe injury or death in the event of a collision.

Your vehicle is equipped with a Supplemental Restraint System consisting of the following components in addition to a lap-shoulder belt at each front seating position.

1. Driver's front air bag module
2. Front passenger's front air bag module (if equipped)
3. Seat belt pretensioners (if equipped)
4. Air bag controller
5. Forward crash sensor

EXAMPLE



60MH069

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63J030

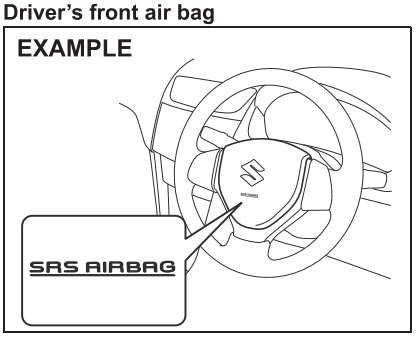
If the “AIR BAG” light on the instrument cluster does not blink or come on when the ignition switch is first turned to the “ON” position, or the ignition mode is first changed to “ON”, or the “AIR BAG” light stays on, or comes on while driving, the air bag system (or the seat belt pretensioner system) may not work properly. Have the air bag system inspected by an authorized MARUTI SUZUKI dealer as soon as possible.

Front Air Bags



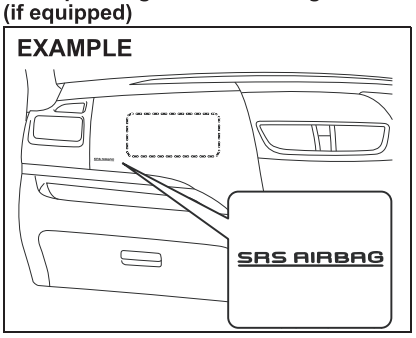
63J113

Driver’s front air bag



74LHT0217

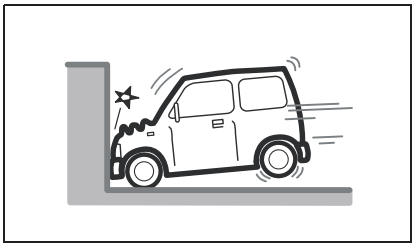
Front passenger’s front air bag (if equipped)



74LHT0237

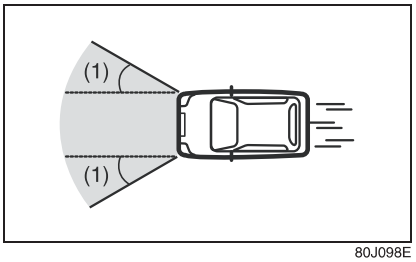
The driver’s front air bag is located behind the center pad of the steering wheel and the front passenger’s front air bag (if equipped) is located behind the passenger’s side of the dashboard. The words “SRS AIRBAG” are molded into the air bag covers to identify the location of the air bags.

Conditions of front air bags deployment (inflation)



80J097

- In frontal collisions with a fixed wall that does not move or deform in more than about 25 km/h (15 mph)

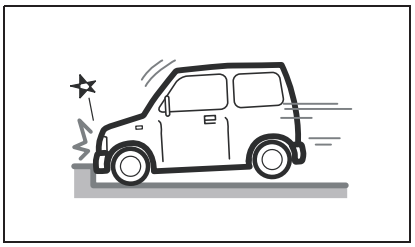


80J098E

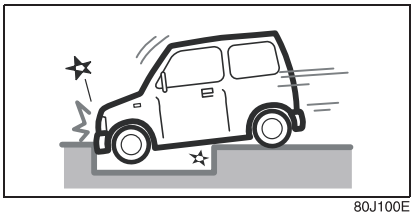
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- In collisions such as above at an angle of about 30 degrees (1) or less from the front

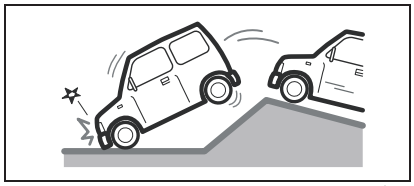
Conditions of front air bags may inflate
Receiving a strong impact to the lower body of your vehicle, the front air bags will inflate in many cases.


80J099

- Hitting a curb or medial strip

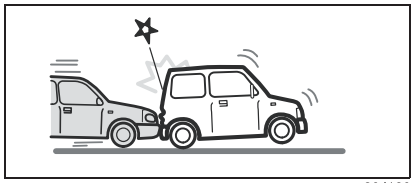

80J100E

- Falling into a deep hole or ditch

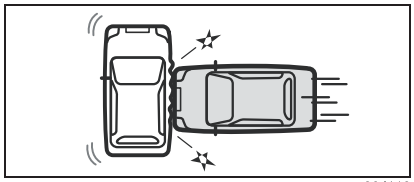

80J101

- Landing hard or falling

Front air bags may inflate in a strong impact


80J120

- Collision from the rear

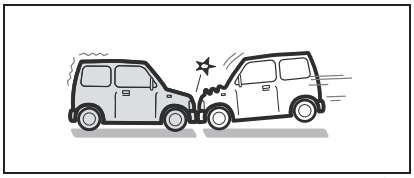

80J119

- Collision from the side


80J110

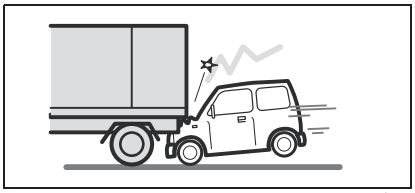
- Vehicle rollover

Front air bags may not inflate
The front air bags may not inflate when the impact is absorbed since the collision object moved, vehicle body deformed, or collision angle was greater than about 30 degrees from the front.

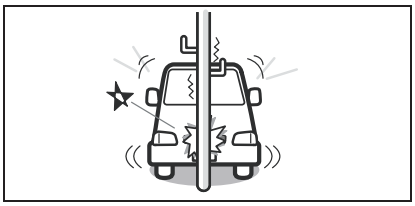

80J102

- Approximately 50 km/h (30 mph) or lower speed frontal collision to a stopped vehicle

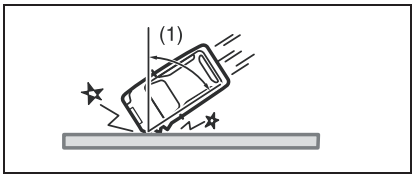
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80J103

- Collision that the front of your vehicle goes under the bed of a truck etc.

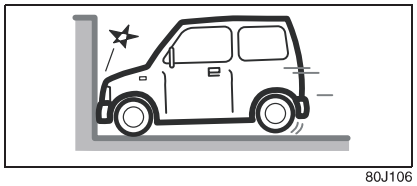

80J104

- Collision with a utility pole or stumpage

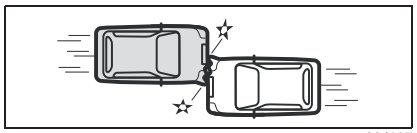


80J105E

- Collision with a fixed wall or guardrail at an angle of greater than about 30 degrees (1) from the front


80J106

- In frontal collisions with a fixed wall that does not move or deform in less than about 25 km/h (15 mph)


80J107

- Collision angle is offset from the vehicle angle (offset collision)

Front air bags are not designed to inflate in rear impacts, side impacts, rollovers or minor frontal collisions, since they would offer no protection in those types of accidents. Remember, since an air bag deploys only one time during an accident, seat belts are needed to restrain occupants from further movements during the accident.

Therefore, an air bag is NOT a substitute for seat belts. To maximize your protection, ALWAYS WEAR YOUR SEAT BELTS. Be aware that no system can prevent all possible injuries that may occur in an accident.

⚠ WARNING

An air bag supplements, or adds to, the crash protection offered by seat belts. The driver and all passengers must be properly restrained by wearing seat belts at all times, whether or not an air bag is mounted at their seating position, to minimize the risk of severe injury or death in the event of a crash.


65D607

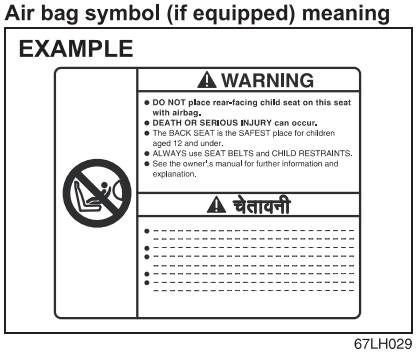
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⚠ WARNING

Do not install a rear-facing child restraint in the front passenger's seat. If the passenger's front air bag inflates, a child in a rear-facing child restraint could be killed or severely injured. The back of a rear-facing child restraint would be too close to the inflating air bag.

Please refer to "Seat Belts and Child Restraint Systems" in this section for details on securing your child.

Air bag symbol (if equipped) meaning



67LH029

You may find this label on the sun visor.

⚠ WARNING

NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

⚠ WARNING

If the AIR BAG light in the instrument cluster ever comes on and stays on, it means that something may be wrong with the air bag system. If this ever happens, have the vehicle serviced immediately, because the air bags may not offer the protection for which they were designed.

How the System Works

In a frontal collision, the crash sensors will detect rapid deceleration, and if the controller judges that the deceleration represents a severe frontal crash, the controller will trigger the inflators. The inflators inflate the appropriate air bags with nitrogen or argon gas. The inflated air bags provide a cushion for your head and upper body. The air bag inflates and deflates so quickly that you may not even realize that it has activated. The air bag will neither hinder your view nor make it harder to exit the vehicle.

Air bags must inflate quickly and forcefully in order to reduce the chance of serious or fatal injuries. However, an unavoidable consequence of the quick inflation is that the air bag may irritate bare skin, such as the facial area against a front air bag. Also, upon inflation, a loud noise will occur and some powder and smoke will be released. These conditions are not harmful and do not indicate a fire in the vehicle. Be aware, however, that some air bag components may be hot for a while after inflation.

A seat belt helps keep you in the proper position for maximum protection when an air bag inflates. Adjust your seat as far back as possible while still maintaining control of the vehicle. Sit fully back in your seat; sit up straight; do not lean over the steering wheel or dashboard. Please refer to the "Seat Adjustment" section and the "Seat Belts and Child Restraint Systems" in this section for details on proper seat and seat belt adjustments.



65D610

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⚠ WARNING

- **The driver should not lean over the steering wheel. The front passenger should not rest his or her body against the dashboard, or otherwise get too close to the dashboard. In these situations, the out-of-position occupant would be too close to an inflating air bag, and may suffer severe injury.**
- **Do not attach any objects to, or place any objects over, the steering wheel or dashboard. Do not place any objects between the air bag and the driver or front passenger. These objects may interfere with air bag operation or may be propelled by the air bag in the event of a crash. Either of these conditions may cause severe injury.**

Note that even though your vehicle may be moderately damaged in a collision, the collision may not have been severe enough to trigger the air bags to inflate. If your vehicle sustains ANY front-end or side damage, have the air bag system inspected by an authorized MARUTI SUZUKI dealer to ensure it is in proper working order.

Your vehicle is equipped with a diagnostic module which records information about the air bag system if the air bags deploy in a crash. The module records information about overall system status, which sensors activated the deployment.

Servicing the air bag system

If the air bags inflate, have the air bags and related components replaced by an authorized MARUTI SUZUKI dealer as soon as possible.

If your vehicle ever gets in deep water and the driver's floor is submerged, the air bag controller could be damaged. If it does, have the air bag system inspected by the MARUTI SUZUKI dealer as soon as possible.

Special procedures are required for servicing or replacing an air bag. For that reason, only an authorized MARUTI SUZUKI dealer should be allowed to service or replace your air bags. Please remind anyone who services your vehicle that it has air bags.

Service on or around air bag components or wiring must be performed only by an authorized MARUTI SUZUKI dealer. Improper service could result in unintended air bag deployment or could render the air bag inoperative. Either of these two conditions may result in severe injury.

To prevent damage or unintended inflation of the air bag system, be sure the battery is disconnected and the ignition switch has been in the "LOCK" position or the ignition mode has been "LOCK" (OFF) for at least 90 seconds before performing any electrical service work on your vehicle. Do not touch air bag system components or wires. The wires are wrapped with yellow tape or yellow tubing, and the couplers are yellow for easy identification.

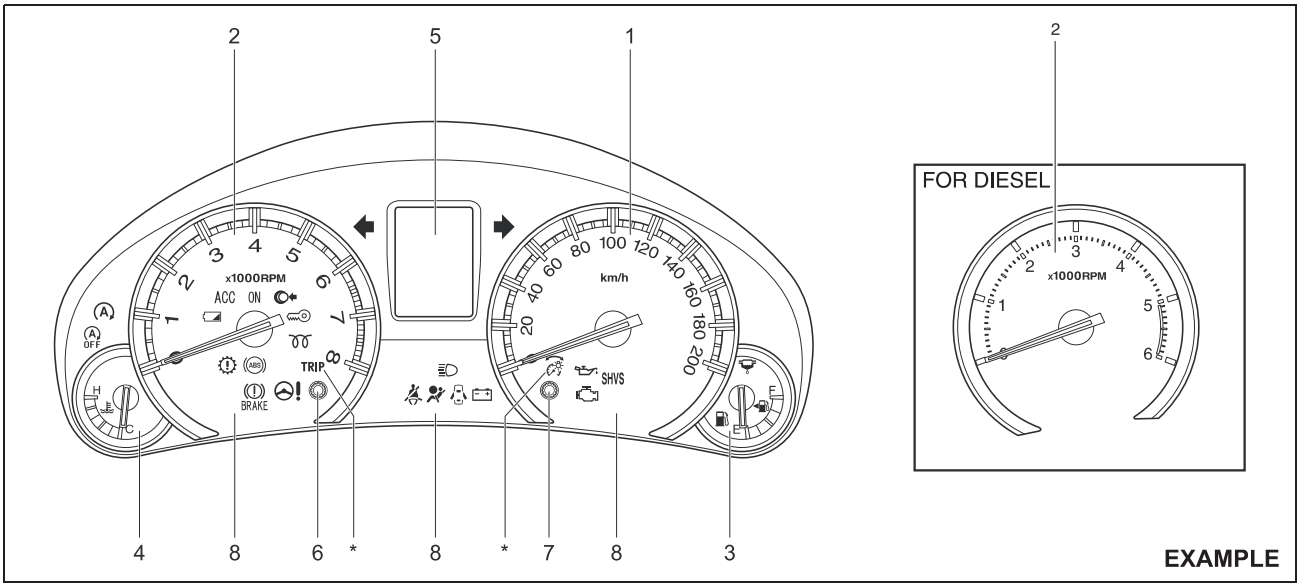
Scrapping a vehicle that has an uninflated air bag can be hazardous. Ask your dealer, body repair shop or scrap yard for help with disposal.

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Instrument Cluster

1. Speedometer
2. Tachometer (if equipped)
3. Fuel gauge
4. Temperature gauge
5. Information display
6. Trip meter selector knob
7. Indicator selector knob
8. Warning and indicator lights

with tachometer

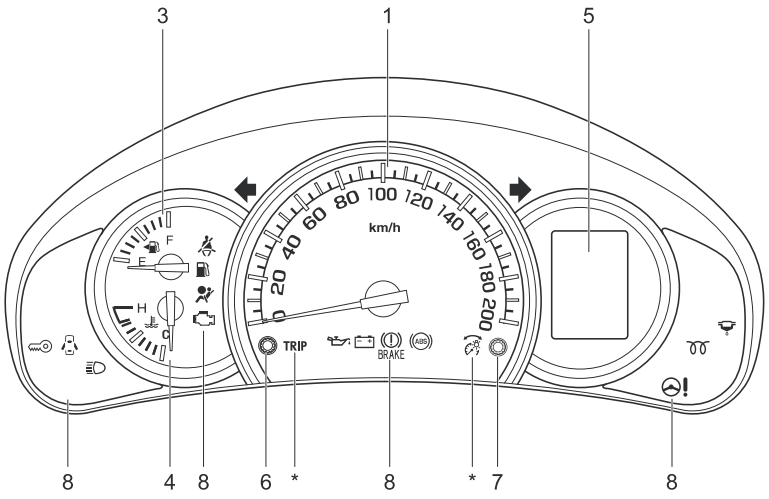


60MH115

* These marks are explanation of the knobs 6 and 7. Refer to “Brightness Control” or “Information Display” in this section for detail of knobs.

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without tachometer



EXAMPLE

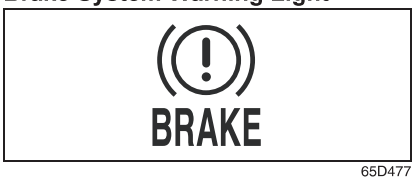
60MH105

* These marks are explanation of the knobs 6 and 7. Refer to “Brightness Control” or “Information Display” in this section for detail of knobs.

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Warning and Indicator Lights

Brake System Warning Light



65D477

Three different types of operations exist depending on the vehicle's specification.

1) The light comes on briefly when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON".
2) The light comes on when the parking brake is engaged with the ignition switch in the "ON" position or the ignition mode "ON".
3) The light comes on when under either or both of above two conditions.

The light also comes on when the fluid in the brake fluid reservoir falls below the specified level.

The light should go out after starting the engine and fully releasing the parking brake, if the fluid level in the brake fluid reservoir is adequate.

The light also comes on together with the ABS warning light when the rear brake force control function (proportioning valve function) of the ABS system fails.

If the brake system warning light comes on while you are driving the vehicle, it may mean that there is something wrong with the vehicle's brake system. If this happens, you should:

1) Pull off the road and stop carefully.

⚠ WARNING

Remember that stopping distance may be longer, you may have to push harder on the pedal, and the pedal may go down farther than normal.

2) Test the brakes by carefully starting and stopping on the shoulder of the road.
   – If you determine that it is safe, drive cautiously at low speed to the nearest dealer for repairs, or
   – Have the vehicle towed to the nearest dealer for repairs.

⚠ WARNING

If any of the following conditions occur, you should immediately ask your MARUTI SUZUKI dealer to inspect the brake system.

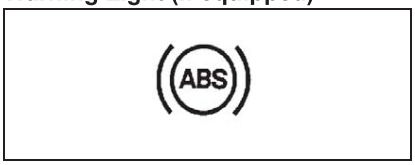
- **If the brake system warning light does not go out after the engine has been started and the parking brake has been fully released.**
- **If the brake system warning light does not come on when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON".**
- **If the brake system warning light comes on at any time during vehicle operation.**

NOTE:
Because the brake system is self-adjusting, the fluid level will drop as the brake pads become worn. Replenishing the brake fluid reservoir is considered normal periodic maintenance.

NOTE:
(Parking Brake Reminder Buzzer)
A buzzer sounds intermittently to remind you to release the parking brake if you start the vehicle without releasing the parking brake. Make sure that the parking brake is fully released and the brake system warning light turns off.

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Anti-Lock Brake System (ABS) Warning Light (if equipped)



65D529

When the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", the light comes on briefly so you can check that the light is working.
If the light stays on, or comes on when driving, there may be something wrong with the ABS.

If this happens:
1) Pull off the road and stop carefully.
2) Turn the ignition switch to "LOCK" or change the ignition mode to "LOCK" (OFF) by pressing the engine switch and then start the engine again.

If the warning light comes on briefly then turns off, the system is normal. If the warning light still stays on, the system will be something wrong.

If the light and the brake system warning light stay on, or come on simultaneously when driving, your ABS system is equipped with the rear brake force control function (proportioning valve function) and there may be something wrong with both the rear brake force control function and anti-lock function of the ABS system.

If one of these happens, have the system inspected by your MARUTI SUZUKI dealer.
If the ABS becomes inoperative, the brake system will function as an ordinary brake system that does not have this ABS system.

For details of ABS system, refer to "Anti-Lock Brake System (ABS) (if equipped)" in the "OPERATING YOUR VEHICLE" section.

Oil Pressure Light

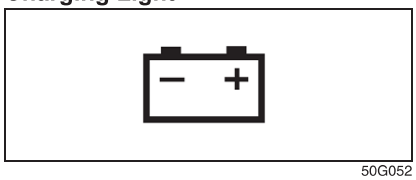


50G051

This light comes on when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", and goes out when the engine is started. The light will come on and remain on if there is insufficient oil pressure. If the light comes on when driving, pull off the road as soon as you can and stop the engine.
Check the oil level and add oil if necessary. If there is enough oil, the lubrication system should be inspected by your MARUTI SUZUKI dealer before you drive the vehicle again.

NOTICE
• **If you operate the engine with this light on, severe engine damage can result.** • **Do not rely on the oil pressure light to indicate the need to add oil. Be sure to periodically check the engine oil level.**

Charging Light



50G052

This light comes on when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", and goes out when the engine is started. The light will come on and remain on if there is something wrong with the battery charging system. If the light comes on when the engine is running, the charging system should be inspected immediately by your MARUTI SUZUKI dealer.

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Driver's Seat Belt Reminder Light



60G049

When the driver doesn't buckle his or her seat belt, this light will come on and/or blink.
For details about the seat belt reminder, refer to "Seat Belts and Child Restraint Systems" in this section.

"AIR BAG" Light



63J030

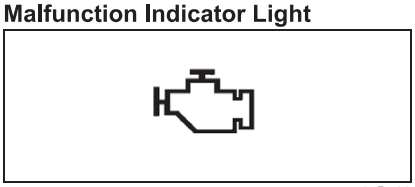
This light blinks or comes on for several seconds when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON" so you can check if the light is working.

The light will come on and stay on if there is a problem in the air bag system or the seat belt pretensioner system (if equipped).

⚠ WARNING

If the "AIR BAG" light does not blink or come on briefly when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", stays on for more than 10 seconds, or comes on while driving, the air bag system or the seat belt pretensioner system (if equipped) may not work properly. Have both systems inspected by an authorized MARUTI SUZUKI dealer.

Malfunction Indicator Light



65D530

Your vehicle has a computer-controlled emission control system. A malfunction indicator light is provided on the instrument panel to indicate when it is necessary to have the emission control system serviced. The malfunction indicator light comes on when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON" to let you know the light is working and goes out when the engine is started.

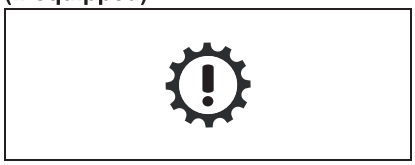
If the malfunction indicator light comes on or blinks when the engine is running, there is a damage in the emission control system.
Bring the vehicle to your MARUTI SUZUKI dealer to have the damage fixed.

Also, if this light comes on when the engine is running, there is the problem with the automatic transaxle system. Ask your MARUTI SUZUKI dealer to have the system inspected.

NOTICE

Continuing to drive the vehicle when the malfunction indicator light is on or blinking can cause permanent damage to the vehicle's emission control system, and can affect fuel economy and driveability.

Transaxle Warning Light (if equipped)



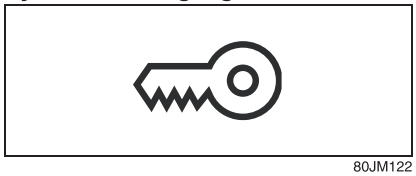
81A262

This light comes on briefly when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON" so you can check the light is working.

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If this light comes on when the engine is running, there is the problem with the automatic transaxle system. Ask your MARUTI SUZUKI dealer to have the system inspected.

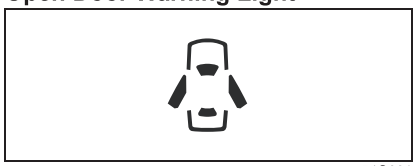
Immobilizer/Keyless Push Start System Warning Light



80JM122

When the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", the light comes on briefly so you can check that the light is working. If this light stays on, there is a problem with the system.

Open Door Warning Light



54G391

- For vehicles without keyless entry system or keyless push start system;
  This light remains on until all front doors and the tailgate are completely closed.

  If any door (including the tailgate) is open when the vehicle is moving, a ding sounds to remind you to close all doors completely.
- For vehicles with keyless entry system or keyless push start system;
  This light remains on until all doors (including the tailgate) are completely closed.

  If any door (including the tailgate) is open when the vehicle is moving, a ding sounds to remind you to close all doors completely.

Low Fuel Warning Light



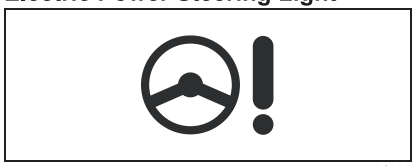
54G343

If this light comes on, fill the fuel tank immediately.

When this light comes on, a ding sounds once to remind you to fill the fuel.
If you do not fill the fuel, a ding sounds every time when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON".

NOTE:
The activation point of this light varies depending on road conditions (for example, slope or curve) and driving conditions because of fuel moving in the tank.

Electric Power Steering Light



79J039

This light comes on when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", and goes out when the engine is started.

If this light comes on while driving, the power steering system may not work properly. Have the system inspected by your MARUTI SUZUKI dealer.

NOTE:
Following operations of the steering wheel while parking or driving at a very low-speed may have steering effort bigger gradually. This is not a malfunction of the steering system, but the power steering control system limits the power assist in order to prevent them from overheating.
- *The steering wheel is operated very often.*

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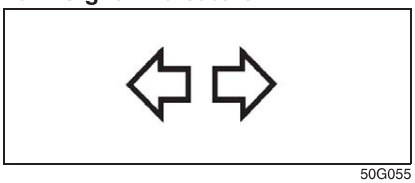
• *The steering wheel is kept in a fully turned position for a long while.*

When the power steering control system cool down, the power steering system back to the original condition.
However, repeating these operations could cause the power steering system damaged.

NOTE:
If the power steering system does not work properly, you will feel heavier to steer but you still will be able to steer.

NOTE:
If the steering is operated, you may hear a noise. This is normal and indicates that the power steering system works properly.

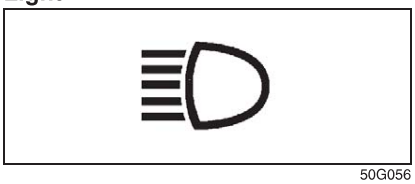
Turn Signal Indicators



50G055

When you turn on the left or right turn signals, the corresponding green arrow on the instrument panel will blink along with the respective turn signal lights. When you turn on the hazard warning switch, both arrows will blink along with all of the turn signal lights.

Main Beam (high beam) Indicator Light



50G056

This indicator comes on when headlight main beams (high beams) are turned on.

Fuel Filter Warning Light (For Diesel Engine Model)

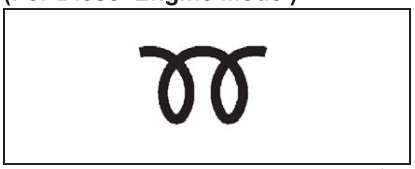


60A541

This light comes on for several seconds when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON" so you can check the light is working.

If the light comes on when driving, there is a possibility to have water in the fuel filter. Drain water as soon as possible. For details of draining water, refer to "Fuel Filter" in the "INSPECTION AND MAINTENANCE" section.

Glow Plug Indicator Light (For Diesel Engine Model)

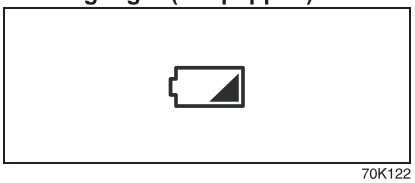


60A543

If the coolant temperature is cool enough, this light comes on when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON" and goes out when the glow plug is heated enough for engine starting.

NOTE:
Following the repair on engine control unit (ECU) in the starting system, the glow plug indicator light comes on for approximately 10 seconds before the engine starts. This is not the engine malfunction.

Keyless Push Start System Remote Controller Battery Consumption Warning Light (if equipped)

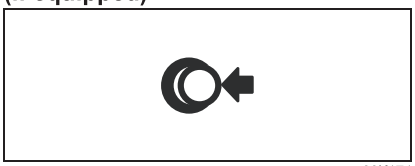


70K122

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If the remote controller becomes unreliable, this light comes on for several seconds when the engine switch is pressed to change the ignition mode to “ON”.

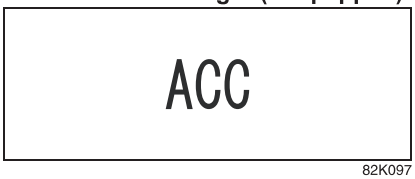
“PUSH” Indicator Light (if equipped)



82K174

If this light comes on when depressing the brake pedal for automatic transaxle vehicles, or the clutch pedal for manual transaxle vehicles, you can start the engine.

“ACC” Indicator Light (if equipped)



82K097

This light comes on when the ignition mode is “ACC”.

Ignition “ON” Indicator Light (if equipped)



82K098

This light comes on when the ignition mode is “ON” with the engine off.

“SHVS” Indicator Light (if equipped)



79MH10205

This light comes on for several seconds when the ignition switch is turned to the “ON” position or the engine switch is pressed to change the ignition mode to “ON” so you can check that the light is working.

While you are driving the vehicle, when deceleration energy regenerating function, engine power assist function or starter motor function is activated, this indicator light will come on.

“ENG A-STOP” Indicator Light (if equipped)



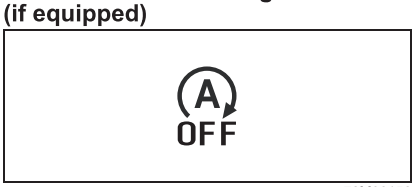
72M00032

When the ignition switch is turned to the “ON” position or the engine switch is pressed to change the ignition mode to “ON”, this light comes on briefly to let you know the light is working.

When the engine is stopped by the “ENG A-STOP” system, this light comes on.

For details, refer to “ENG A-STOP System (Engine Auto Stop Start System)” in the “OPERATING YOUR VEHICLE” section.

“ENG A-STOP OFF” Light (if equipped)



72M00159

When the ignition switch is turned to the “ON” position or the engine switch is pressed to change the ignition mode to

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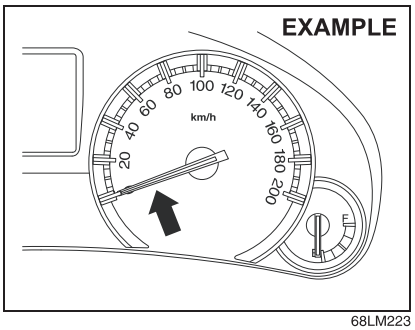
"ON", this light comes on briefly to let you know the light is working.

When you push the "ENG A-STOP OFF" switch, this light comes on.

If this light blinks when driving, there may be something wrong with the ENG A-STOP system or the SHVS system. You should have the system inspected by an authorized MARUTI SUZUKI dealer.

For details, refer to "ENG A-STOP System (Engine Auto Stop Start System)" and "SHVS (Smart Hybrid Vehicle by Maruti Suzuki)" in the "OPERATING YOUR VEHICLE" section.

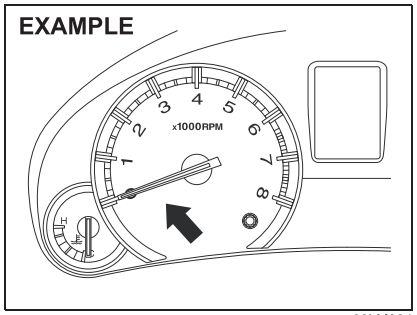
Speedometer



68LM223

The speedometer indicates vehicle speed in km/h.

Tachometer (if equipped)



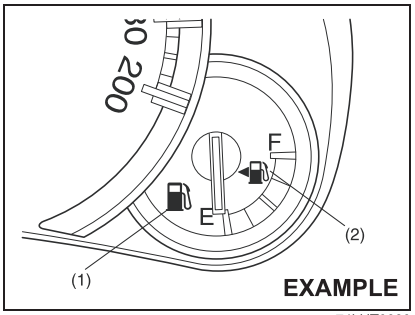
68LM224

The tachometer indicates engine speed in revolutions per minute.

NOTICE

Never drive the vehicle with the engine revving in the red zone or severe engine damage can result.
Keep the engine speed below the red zone even when downshifting to a lower gear position.
Refer to "Downshifting maximum allowable speeds" in the "OPERATING YOUR VEHICLE" section.

Fuel Gauge



74LHT0220

When the ignition switch is in the "ON" position or the ignition mode is "ON", this gauge gives an approximate indication of the amount of fuel in the fuel tank. "F" stands for full and "E" stands for empty.

If the indicator gets off the graduation of "E" (not character "E"), refill the tank as soon as possible.

NOTE:
The indicator moves a little depending on road conditions (for example, slope or curve) and driving conditions because of fuel moving in the tank.

If the low fuel warning light (1) comes on, fill the fuel tank immediately.

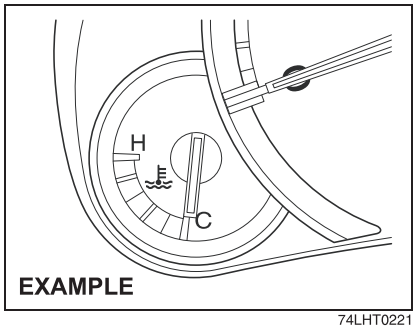
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When the low fuel warning light (1) comes on, a ding sounds once to remind you to fill the fuel.
If you do not fill the fuel, a ding sounds every time when the ignition switch is turned to "ON" position or the engine switch is pressed to change the ignition mode to "ON".

NOTE:
The activation point of the low fuel warning light (1) varies depending on road conditions (for example, slope or curve) and driving conditions because of fuel moving in the tank.

The mark (2) indicates that the fuel filler door is located on the left side of the vehicle.

Temperature Gauge

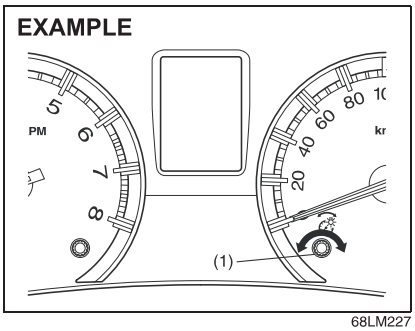


74LHT0221

When the ignition switch is in the "ON" position or the ignition mode is "ON", this gauge indicates the engine coolant temperature. Under normal driving conditions, the indicator should stay within the normal, acceptable temperature range between "H" and "C". If the indicator approaches "H", overheating is indicated. Follow the instructions for engine overheating in the "EMERGENCY SERVICE" section.

NOTICE
Continuing to drive the vehicle when engine overheating is indicated can result in severe engine damage.

Brightness Control



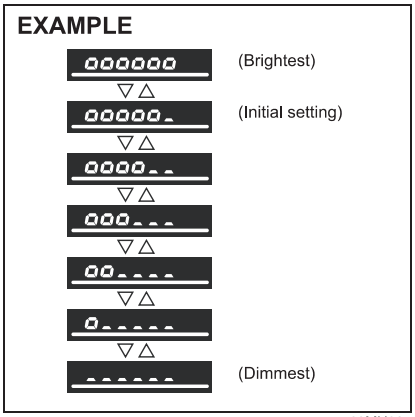
68LM227

When the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", the pointer lights come on.

Your vehicle has a system to automatically dim the brightness of the instrument panel lights when the position lights or headlights are on.

When the position lights and/or headlights are ON, you can control the meter illumination intensity.

To increase the brightness of the instrument panel lights, turn the brightness control knob (1) clockwise.
To reduce the brightness of the instrument panel lights, turn the brightness control knob (1) counterclockwise.



60MH025

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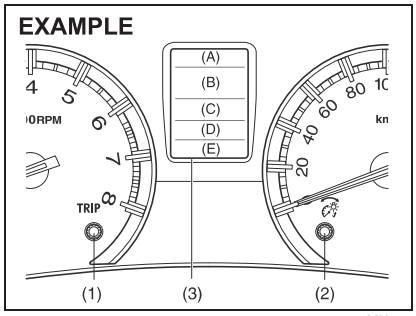
⚠ WARNING

If you attempt to adjust the display while driving, you could lose control of the vehicle.
Do not attempt to adjust the display while driving.

NOTE:
- *If you do not turn the brightness control knob within about 10 seconds of activating the brightness control display, the brightness control display will be canceled automatically.*
- *When you reconnect the battery, the brightness of the instrument panel lights will be reinitialized. Readjust the brightness according to your preference.*

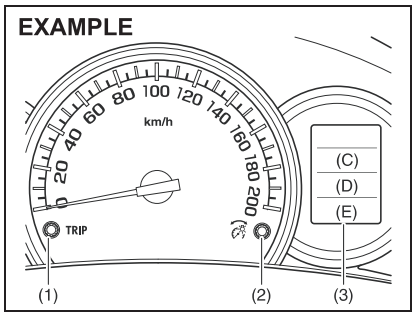
Information Display

with tachometer



60MK028

without tachometer



60MK029

(1) Trip meter selector knob
(2) Indicator selector knob
(3) Information display

When the ignition switch is in the "ON" position or the ignition mode is "ON", the information display shows the following information.

Display (A)
Thermometer (if equipped)

Display (B)
Transaxle selector position indicator (for automatic transaxle vehicle) / Gearshift indicator (if equipped)

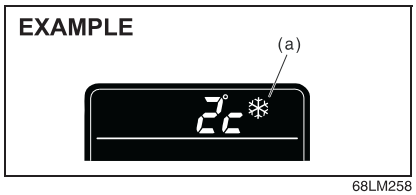
Display (C)
Trip meter / Instantaneous fuel consumption / Average fuel consumption / Driving range

Display (D)
Odometer

Display (E)
Clock

Thermometer (if equipped)

When the ignition switch is in the "ON" position or the ignition mode is "ON", the display (A) shows the thermometer.
The thermometer indicates the outside temperature.



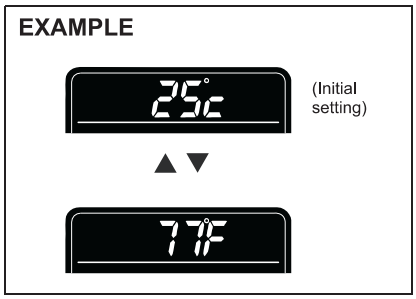
68LM258

If the outside temperature nears freezing, the mark (a) will appear on the display.

NOTE:
- *The outside temperature indication is not the actual outside temperature when driving at low speed, or when stopped.*
- *If there is something wrong with the thermometer, or just after the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", the display may not indicate the outside temperature.*

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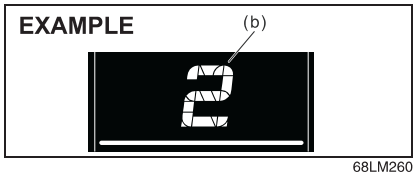
When the display (C) shows the driving range, you can change the unit of temperature.
To change the unit of temperature, while pushing and holding the trip meter selector knob (1), turn the indicator selector knob (2).



68LM259

NOTE:
When you reconnect the negative (–) terminal to the battery, the unit of temperature will be reinitialized. Change the unit again to your preference.

Transaxle selector position indicator (for automatic transaxle vehicles) / Gearshift indicator (if equipped)



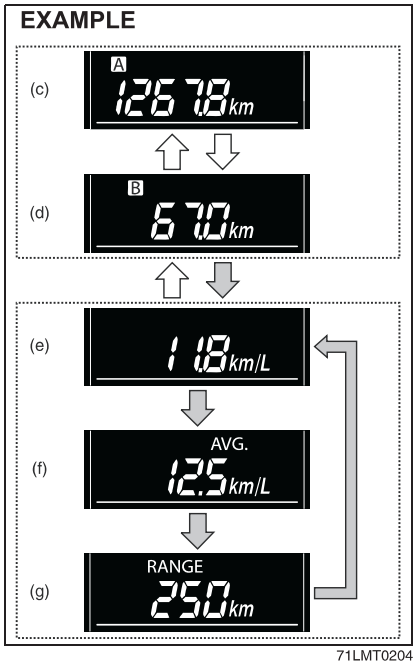
68LM260

Transaxle selector position indicator
When the ignition switch is in the "ON" position or the ignition mode is "ON", the display (B) indicates the gear position (b).
For details on how to use the transaxle, refer to "Using the Transaxle" in the "OPERATING YOUR VEHICLE" section.

Gearshift indicator
Refer to "Gearshift Indicator" in the "OPERATING YOUR VEHICLE" section.

Trip meter / Instantaneous fuel consumption / Average fuel consumption / Driving range
When the ignition switch is in the "ON" position or the ignition mode is "ON", the display (C) shows one of the following five indications, trip meter A, trip meter B, Instantaneous fuel consumption, Average fuel consumption or Driving range.

To switch the display indication (C), push the trip meter selector knob (1) or the indicator selector knob (2) quickly.



71LMT0204

⇧⇩	Push the trip meter selector knob (1).
⇧⇩	Push the indicator selector knob (2).

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(c) Trip meter A
(d) Trip meter B
(e) Instantaneous fuel consumption
(f) Average fuel consumption
(g) Driving range

⚠ WARNING

If you attempt to adjust the display while driving, you could lose control of the vehicle.
Do not attempt to adjust the display while driving.

NOTE:
- *Indications will change when you push and release a knob.*
- *The display shows estimated values. Indications may not be the same as actual values.*

Trip meter
The trip meter can be used to measure the distance traveled on short trips or between fuel stops.
You can use the trip meter A or trip meter B independently.

To reset the trip meter to zero, push and hold the trip meter selector knob (1) for a while when the display shows the trip meter.

NOTE:
The indicated maximum value of the trip meter is 9999.9. When you run past the maximum value, the indicated value will return to 0.0.

Instantaneous fuel consumption
The display shows the value of instantaneous fuel consumption only when the vehicle is moving.

NOTE:
- *The display does not show the value unless the vehicle is moving.*
- *The indicated maximum value of instantaneous fuel consumption is 30. No more than 30 will be indicated on the display even if the actual instantaneous fuel consumption is higher.*
- *The indication on the display may be delayed if fuel consumption is greatly affected by driving conditions.*
- *The display shows estimated values. Indications may not be the same as actual values.*
- *You can change the units that instantaneous fuel consumption is displayed in. Refer to "Average fuel consumption" in this section.*

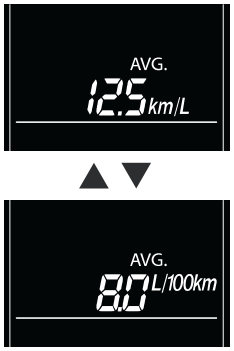
Average fuel consumption
If you selected average fuel consumption the last time you drove the vehicle, the display shows the last value of average fuel consumption from previous driving when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON". Unless you reset the value of average fuel consumption, the display indicates the value of average fuel consumption which includes average fuel consumption during previous driving.

To reset the average fuel consumption to zero, push and hold the indicator selector knob (2) for a while when the display shows the average fuel consumption.

NOTE:
When you reset the indication or reconnect the negative (–) terminal to the battery, the value of average fuel consumption will be shown after driving for a while.

To change the unit of average fuel consumption, while pushing and holding the trip meter selector knob (1), turn the indicator selector knob (2).

EXAMPLE



68LM262

NOTE:
- *When you change the units that average fuel consumption is displayed in, the*

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instantaneous fuel consumption units will be changed automatically.
- *When you reconnect the negative (–) terminal to the battery, the unit of the average fuel consumption will be reinitialized. Change the unit again to your preference.*

Driving range
If you selected driving range the last time you drove the vehicle, the display indicates "---" for a few seconds and then indicates the current driving range when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON".

The driving range shown in the display is the approximate distance you can drive until the fuel gauge indicates "E", based on current driving conditions.

When the low fuel warning light comes on, the display "**---**" will appear.

If the low fuel warning light comes on, fill the fuel tank immediately regardless of the value of driving range shown in the display.

As the driving range after refueling is calculated based on the most recent driving condition, the value is different each time you refuel.

NOTE:
- *If you refuel when the ignition switch is in the "ON" position or the ignition mode is "ON", the driving range may not indicate the correct value.*
- *When you reconnect the negative (–) terminal to the battery, the value of driving range will be shown after driving for a while.*

Odometer
When the ignition switch is in the "ON" position or the ignition mode is "ON", the display (D) shows the odometer.
The odometer records the total distance the vehicle has been driven.

NOTICE

Keep track of your odometer reading and check the maintenance schedule regularly for required services.
Increased wear or damage to certain parts can result from failure to perform required services at the proper mileage intervals.

Clock
When the ignition switch is in the "ON" position or the ignition mode is "ON", the display (E) shows the time.

To change the time indication:
1) Push the trip meter selector knob (1) and the indicator selector knob (2) together.
2) To change the hour indication, turn the indicator selector knob (2) left or right repeatedly when the hour indication blinks. To change the hour indication quickly, turn and hold the indicator selector knob (2). To set the hour indication, push the indicator selector knob (2) and the minute indication will blink.
3) To change the minute indication, turn the indicator selector knob (2) left or right repeatedly when the minute indication blinks. To change the minute indication quickly, turn and hold the indicator selector knob (2). To set the minute indication, push the indicator selector knob (2).

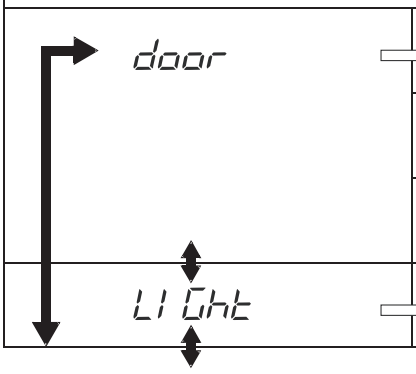
⚠ WARNING

If you attempt to adjust the display while driving, you could lose control of the vehicle.
Do not attempt to adjust the display while driving.

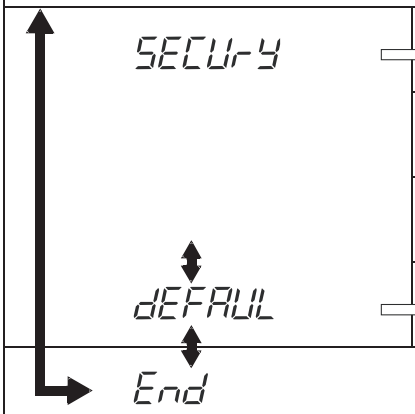
NOTE:
When you reconnect the negative (–) terminal to the battery, the clock indication will be reinitialized. Change the indication again to your preference.

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Setting Mode (if equipped)
In the setting mode, you can set up the following functions.

Indication	Functions
	Automatic door locking function "d2"
	Automatic door unlocking function "d3"
	Door locking and unlocking siren "d5"
	Additional flashes of the turn signal "L2"

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Indication	Functions
	Shock sensor "52" Pre-warning sensitivity of the shock sensor "53" Full blast warning sensitivity of the shock sensor "54" Initialization setting "dE-on" Exit the setting mode "End"

↕	Turn the indicator selector knob (2).
⇨	Push the indicator selector knob (2).

NOTE:
Depending on vehicle's specifications, some items may not be displayed.

How to operate the setting mode:

1) When the ignition mode is "ON" and the vehicle is stationary, push the trip meter selector knob (1) to switch the information display indication (C) to the trip meter.
2) Push and hold the indicator selector knob (2) until the display shows "door".
3) Turn and/or push the indicator selector knob (2) to select a function that you want to set up according to the above chart.
4) Turn and/or push the indicator selector knob (2) to register settings of the following functions.

Automatic door locking function "d2"

- d2-SL1: Disable the automatic door locking function
- d2-SL2: Lock all doors when the vehicle speed reaches 15 km/h (default setting)

Automatic door unlocking function "d3"

- d3-SL1: Disable the automatic door unlocking function (default setting)
- d3-SL3: Unlock all doors when the ignition mode is changed to "LOCK" (OFF)

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Door locking and unlocking siren "dS"
- dS-SL1: Siren sounds when the doors (including the tailgate) are locked or unlocked by using the keyless push start system remote controller or request switch (default setting)
- dS-SL2: Siren does not sound when the doors (including the tailgate) are locked or unlocked by using the keyless push start system remote controller or request switch

Additional flashes of the turn signal "L2"
- L2-SL1: Turn signal flashes three times after the turn signal lever is returned (default setting)
- L2-SL2: Disable the additional flashes of turn signal

Shock sensor "S2"
- S2-SL1: Enable the shock sensor
- S2-SL2: Disable the shock sensor (default setting)

Pre-warning sensitivity of the shock sensor "S3"
- S3-L00: Disable the pre-warning
- S3-L01 to L15: Adjust the pre-warning sensitivity of shock sensor (Lowest sensitivity level is L01 and highest is L15, and default setting is L14)

Full blast warning sensitivity of the shock sensor "S4"
- S4-L00: Disable the full blast warning
- S4-L01 to L15: Adjust the full blast warning sensitivity of shock sensor (Lowest sensitivity level is L01 and highest is L15, and default setting is L09)

Initialization setting "dE-on"
- dE-on: Initialize all settings

EXAMPLE

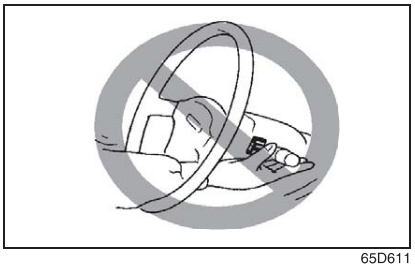


76MH0017

NOTE:
- *As shown in the above illustration, "A B" indicates on the display of currently setting item.*
- *To go back to the higher level display during operation, turn the indicator selector knob (2) to display "bACK" or "-bAC" and then push the indicator selector knob (2).*

5) To exit the setting mode, switch the display to show "End" and then push the indicator selector knob (2).

Lighting Control Lever



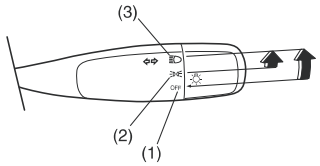
65D611

⚠ WARNING

To avoid possible injury, do not operate controls by reaching through the steering wheel.

Lighting Operation

EXAMPLE



60MK011

To turn the lights on or off, twist the knob on the end of the lever. There are three positions:

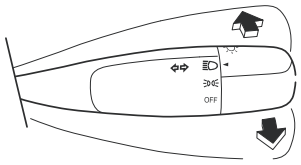
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OFF (1)
All lights are off.

(2)
Front position lights, tail lights, license plate light and instrument lights are on, but headlights are off.

(3)
Front position lights, tail lights, license plate light, instrument lights and headlights are on.

EXAMPLE



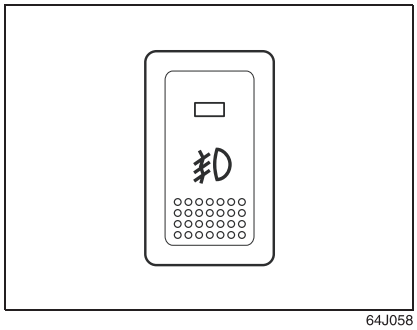
60MK012

With the headlights on, push the lever forward to switch to the high beams (main beams) or pull the lever toward you to switch to the low beams. When the high beams (main beams) are on, a light on the instrument panel will come on. To momentarily activate the high beams (main beams) as a passing signal, pull the lever slightly toward you and release it when you have completed the signal.

Light Reminder Buzzer

A buzzer sounds to remind you to turn off the lights if they are left on when the ignition key is removed or the engine switch is pressed to change the ignition mode to "LOCK" (OFF), and the driver's door is opened.

Front Fog Light Switch (if equipped)

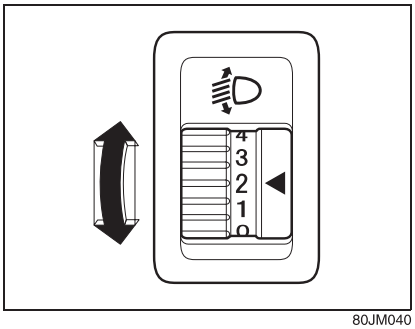


64J058

The front fog light comes on when the fog light switch is pushed in with the position lights, tail lights and/or the headlights are on. An indicator light above the switch will be lit when the front fog light is on.

NOTE:
In some countries the lighting operation may be different from the above description according to local regulations.

Headlight Leveling Switch



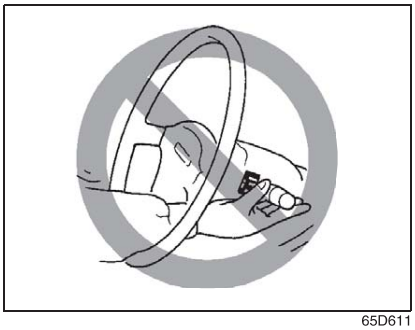
80JM040

Level the headlight beam according to the load condition of your vehicle by turning this switch. The chart below shows the appropriate switch position for different vehicle-load conditions.

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Loading Conditions	Switch Position
Driver (1 Seat)	0
Driver + Co-Driver (2 Seats)	0
Driver + Co-Driver + 2nd row 3 Seats (Total-5 Seats)	1
All Passengers + Cargo (Evenly distributed load in luggage boot)	2
Driver + Cargo (Evenly distributed load in luggage boot)	3

Turn Signal Control Lever



65D611

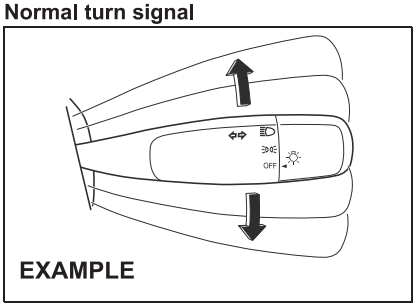
⚠ WARNING

To avoid possible injury, do not operate controls by reaching through the steering wheel.

Turn Signal Operation

With the ignition switch in the “ON” position or the ignition mode “ON”, move the lever up or down to activate the right or left turn signals.

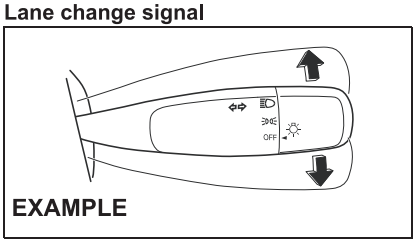
Normal turn signal



60MK013

Move the lever all the way upward or downward to signal. When the turn is completed, the signal will cancel and the lever will return to its normal position.

Lane change signal



60MK014

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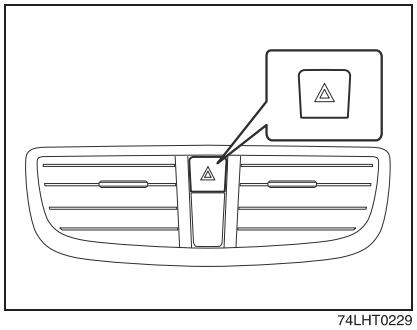
Sometimes, such as when changing lanes, the steering wheel is not turned far enough to cancel the turn signal. For convenience, you can flash the turn signal by moving the lever part way and holding it there. The lever will return to its normal position when you release it.

NOTE:
The turn signal and its indicator flash three times even if you return the lever immediately after moving it.

NOTE:
For vehicles with the keyless push start system, the turn signal and its indicator can be set whether they flash three times after the turn signal lever is returned via the information display. Refer to "Information Display" in this section.

NOTE:
You can customize the setting for the number of times of flashing of the turn signal and its indicator. Please ask an authorized MARUTI SUZUKI dealer for the customization.

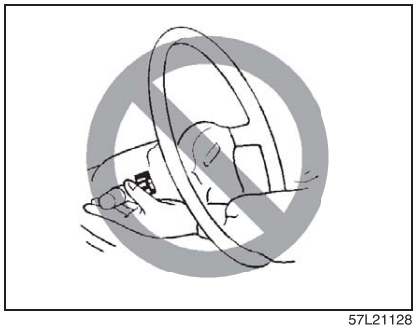
Hazard Warning Switch



74LHT0229

Push in the hazard warning switch to activate the hazard warning lights. All turn signal lights and both turn signal indicators will flash simultaneously. To turn off the lights, push the switch again.
Use the hazard warning lights to warn other traffic during emergency parking or when your vehicle could otherwise become a traffic hazard.

Windshield Wiper and Washer Lever



57L21128

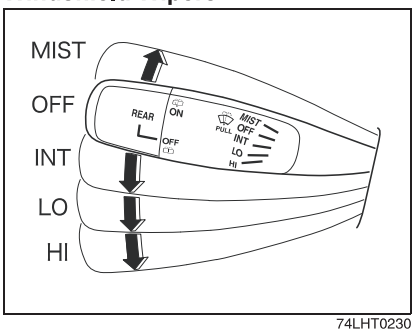
⚠ WARNING

To avoid possible injury, do not operate controls by reaching through the steering wheel.

Wiper and Washer Operation
When the ignition switch is in the "ON" position or the ignition mode is "ON", you can use the wiper/washer lever or switch (if equipped).

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Windshield Wipers

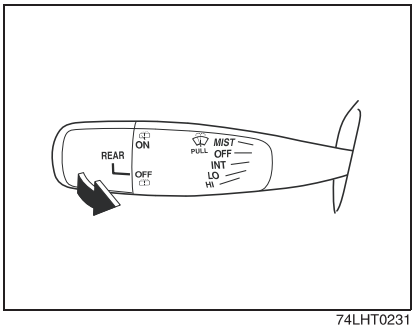


74LHT0230

To turn the windshield wipers on, move the lever down to one of the three operating positions. In the “INT” position, the wipers operate intermittently. The “INT” position is very convenient for driving in mist or light rain. In the “LO” position, the wipers operate at a steady low speed. In the “HI” position, the wipers operate at a steady high speed. To turn off the wipers, move the lever back to the “OFF” position.

Move the lever up and hold it to the “MIST” position, the windshield wipers will turn on continuously at low speed.

Windshield Washer



74LHT0231

To spray windshield washer fluid, pull the lever toward you. The windshield wipers will automatically turn on at low speed if they are not already on and the “INT” position is equipped.

⚠ WARNING

- **To prevent windshield icing in cold weather, turn on the defroster to heat the windshield before and during windshield washer use.**
- **Do not use radiator antifreeze in the windshield washer reservoir. It can severely impair visibility when sprayed on the windshield, and can also damage your vehicle’s paint.**

NOTICE

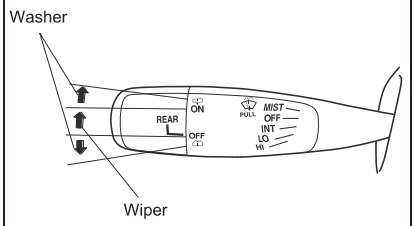
To help prevent damage to the windshield wiper and washer system components, you should take the following precautions:

- **Do not continue to hold in the lever when there is no windshield washer fluid being sprayed or the washer motor can be damaged.**
- **Do not attempt to remove dirt from a dry windshield with the wipers or you can damage the windshield and the wiper blades. Always wet the windshield with washer fluid before operating the wipers.**
- **Clear ice or packed snow from the wiper blades before using the wipers.**
- **Check the washer fluid level regularly. Check it often when the weather is bad.**
- **Only fill the washer fluid reservoir 3/4 full during cold weather to allow room for expansion if the temperature falls low enough to freeze the solution.**

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Rear Window Wiper/Washer Switch (if equipped)

EXAMPLE



74LHT0232

To turn the rear wiper on, twist the rear wiper switch on the end of the lever forward to the “ON” position. To turn the rear wiper off, twist the switch rearward to the “OFF” position.

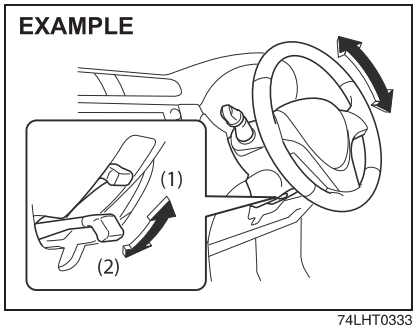
To spray window washer fluid, twist the switch rearward from the “OFF” position, or twist the switch forward from the “ON” position. The rear wiper will turn on automatically while spraying the window washer fluid.

NOTICE

Clear ice or snow from the rear window and rear wiper blade before using the rear wiper. Accumulated ice or snow could prevent the wiper blade from moving, causing damage to the wiper motor.

Tilt Steering Lock Lever

EXAMPLE



74LHT0333

(1) LOCK
(2) UNLOCK

The lock lever is located under the steering column. To adjust the steering wheel height:

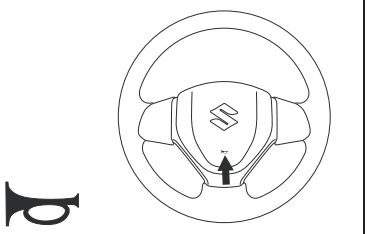
1) Push down the lock lever to unlock the steering column.
2) Adjust the steering wheel to the desired height and lock the steering column by pulling up the lock lever.
3) Try moving the steering wheel up and down to make sure it is securely locked in position.

⚠ WARNING

Never attempt to adjust the steering wheel while the vehicle is moving or you could lose control of the vehicle.

Horn

EXAMPLE

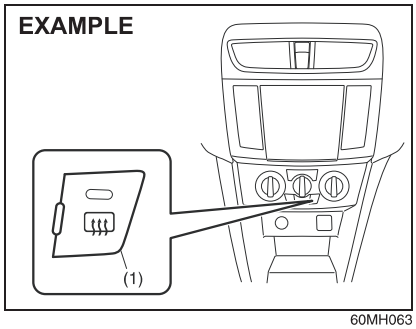


68LM240

Press the horn button of the steering wheel to sound the horn. The horn will sound with the ignition switch in any position or any ignition mode.

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Heated Rear Window Switch (if equipped)



60MH063

When the rear window is misted, push this switch (1) to clear the window.
An indicator light will be lit when the defogger is on. The defogger will work only when the engine is running. To turn off the defogger, push the switch (1) again.

NOTICE
The heated rear window uses a large amount of electricity. Be sure to turn off after the window has become clear.

NOTE:
- *The defogger will work only when the engine is running.*
- *The defogger will automatically turn off after the defogger remains on for 15 minutes to prevent discharging of the battery.*

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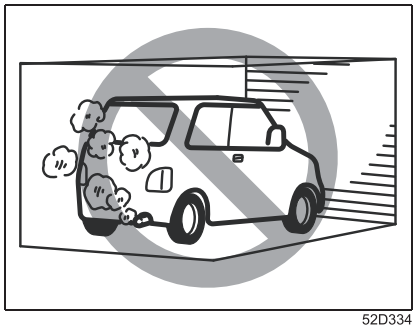
60MHMT3001

OPERATING YOUR VEHICLE

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Exhaust Gas Warning



52D334

⚠ WARNING

Avoid breathing exhaust gases. Exhaust gases contain carbon monoxide, a potentially lethal gas that is colorless and odorless. Since carbon monoxide is difficult to detect by itself, be sure to take the following precautions to help prevent carbon monoxide from entering your vehicle.

- **Do not leave the engine running in garages or other confined areas.**

(Continued)

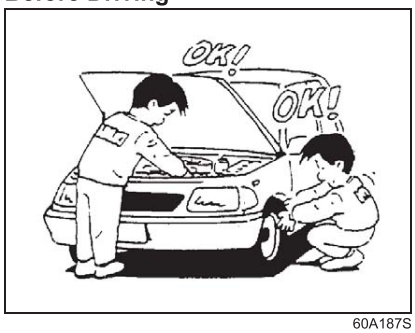
⚠ WARNING

(Continued)

- **Do not park with the engine running for a long period of time, even in an open area. If it is necessary to sit for a short time in a parked vehicle with the engine running, make sure the air intake selector is set to "FRESH AIR" and the blower is at high speed.**
- **Avoid operating the vehicle with the tailgate or trunk open. If it is necessary to operate the vehicle with the tailgate or trunk open, make sure the sunroof (if equipped) and all windows are closed, and the blower is at high speed with the air intake selector set to "FRESH AIR".**
- **To allow proper operation of your vehicle's ventilation system, keep the air inlet grille in front of the windshield clear of snow, leaves or other obstructions at all times.**
- **Keep the exhaust tailpipe area clear of snow and other material to help reduce the buildup of exhaust gases under the vehicle. This is particularly important when parked in blizzard conditions.**
- **Have the exhaust system inspected periodically for damage and leaks. Any damage or leaks should be repaired immediately.**

Daily Inspection Checklist

Before Driving



60A187S

1) Make sure that windows, mirrors, lights and reflectors are clean and unobstructed.
2) Visually check the tires for the following points:
   – the depth of the tread groove
   – abnormal wear, cracks and damage
   – loose wheel nuts
   – existence of foreign material such as nails, stones, etc.

Refer to "Tires" in "INSPECTION AND MAINTENANCE" section for details.

3) Look for fluid and oil leaks.

NOTE:
It is normal for water to drip from the air conditioning system after use.

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4) Make sure the hood is fully closed and latched.
5) Check the headlights, turn signal lights, brake lights and horn for proper operation.
6) Adjust the seat and head restraint (if equipped).
7) Check the brake pedal and the parking brake lever.
8) Adjust the mirrors.
9) Make sure that you and all passengers have properly fastened your seat belts.
10) Make sure that all warning lights come on as the key is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON".
11) Check all gauges.
12) Make sure that the BRAKE SYSTEM WARNING light turns off when the parking brake is released.

Once a week, or each time you fill your fuel tank, perform the following under-hood checks:

1) Engine oil level
2) Coolant level
3) Brake fluid level
4) Battery solution level
5) Windshield washer fluid level
6) Hood latch operation
   Pull the hood release handle inside the vehicle. Make sure that you cannot open the hood all the way without releasing the secondary latch. Be sure to close the hood securely after checking for proper latch operation. See the item "All latches, hinges and locks" of "CHASSIS AND BODY" in the "Periodic Maintenance Schedule" in the "INSPECTION AND MAINTENANCE" section for lubrication schedule.

⚠ WARNING

Make sure the hood is fully closed and latched before driving. If it is not, it can fly up unexpectedly during driving, obstructing your view and resulting in an accident.

Once a month, or each time you fill your fuel tank, check the tire pressure using a tire pressure gauge. Also check the tire pressure of the spare tire.

Engine Oil Consumption

It is normal for the engine to consume some engine oil during normal vehicle operation.

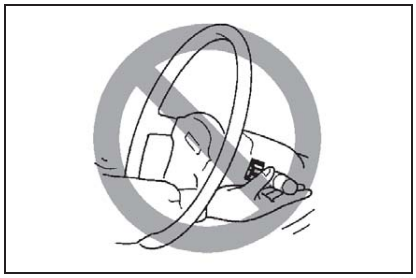
The amount of engine oil consumed depends on the viscosity of the oil, the quality of the oil and the conditions the vehicle is driven under.
More oil is consumed during high-speed driving and when there is frequent acceleration and deceleration. Under high loads, your engine also will consume more oil.
A new engine also consumes more oil, since its pistons, piston rings and cylinder walls have not yet become conditioned. New engines reach the normal level of oil consumption only after approximately 5000 km driving.

Oil consumption:
Max. 1.0 L per 1000 km

When judging the amount of oil consumption, note that the oil may become diluted and make it difficult to accurately judge the true oil level.
As an example, if a vehicle is used for repeated short trips, and consumes a normal amount of oil, the dipstick may not show any drop in the oil level at all, even after 1000 km (600 miles) or more of driving. This is because the oil is gradually becoming diluted with fuel or moisture, making it appear that the oil level has not changed.
You should also be aware that the diluting ingredients evaporate out when the vehicle is subsequently driven at high speeds, such as on an expressway, making it appear that oil is excessively consumed after high-speed driving.

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Ignition Switch (Vehicle without Keyless Push Start System)

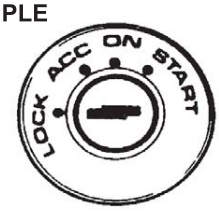


65D611

⚠ WARNING

To avoid possible injury, do not operate controls by reaching through the steering wheel.

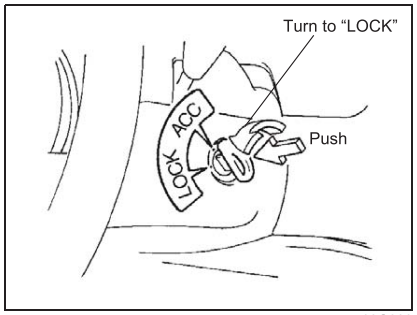
EXAMPLE



60B041

The ignition switch has the following four positions:

LOCK
This is the normal parking position. It is the only position in which the key can be removed.



60G033

- **Manual transaxle vehicles**

You must push in the key to turn it to the "LOCK" position. It locks the ignition, and prevents normal use of the steering wheel after the key is removed.

- **Automatic transaxle vehicles**

The gearshift lever must be in the "P" (Park) position to turn the key to the "LOCK" position. It locks the ignition and prevents normal use of the steering wheel and gearshift lever.

To release the steering lock, insert the key and turn it clockwise to one of the other positions. If you have trouble turning the key to unlock the steering, try turning the steering wheel slightly to the right or left while turning the key.

ACC
Accessories such as the radio can operate, but the engine is off.

ON
This is the normal operating position. All electrical systems are on.

START
This is the position for starting the engine using the starter motor. The key should be released from this position as soon as the engine starts.

Ignition key reminder
A buzzer sounds intermittently to remind you to remove the ignition key if it is in the ignition switch when the driver's door is opened.



81A297S

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⚠ WARNING

- **Never return the ignition switch to the "LOCK" position and remove the ignition key while the vehicle is moving. The steering wheel will lock and you will not be able to steer the vehicle.**
- **Always return the ignition switch to the "LOCK" position and remove the ignition key when leaving the vehicle even if only for a short time. Also do not leave children alone in a parked vehicle. Unattended children could cause accidental movement of the vehicle or could tamper with power windows or power sunroof. They also could suffer from heat stroke in warm or hot weather. These could result in severe injury or even death.**

NOTICE

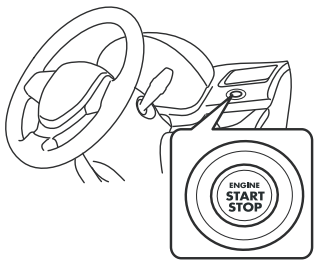
- **Do not use the starter motor for more than 12 seconds at a time. If the engine does not start, wait 15 seconds before trying again. If the engine does not start after several attempts, check the fuel and ignition systems or consult your MARUTI SUZUKI dealer.**
- **Do not leave the ignition switch in the "ON" position if the engine is not running as the battery will discharge.**

NOTICE

If you stop the engine while the vehicle is in motion, the automatic transaxle may be damaged. Avoid stopping the engine while driving.

Engine Switch (Vehicle with Keyless Push Start System)

EXAMPLE



60MHM02001

LOCK (OFF)
This mode is for parking the vehicle. When this mode is selected by pressing the engine switch and then any door (including the tailgate) is opened or closed, the steering will be locked automatically.

ACC
Press the engine switch to select this ignition mode to use such electric equipment as the audio system, outside rearview mirrors and accessory socket with the engine off. When this position is selected, the "ACC" indicator light in the instrument cluster comes on. Refer to "Warning and Indicator Lights" in the "BEFORE DRIVING" section for details.

ON

- **With the engine off**
  You can use such electric equipment as the power windows and wipers with the engine off. When this ignition mode is selected by pressing the engine switch, the ignition "ON" indicator light in the instrument cluster will come on.
- **With the engine on**
  All electric equipment is operational. The vehicle can be driven when you have selected this ignition mode by pressing the engine switch.

START
Automatic transaxle – Provided you have the keyless push start system remote controller with you, the engine automatically starts when you press the engine switch to select this ignition mode after placing the gearshift lever in the "P" position and depressing the brake pedal. (If you need to re-start the engine while the vehicle is moving, shift into "N".)

Manual transaxle – Provided you have the keyless push start system remote controller with you, the engine automatically starts when you press the engine switch to

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select this ignition mode after shifting to "N" (Neutral) and depressing the brake and clutch pedals.

NOTE:
You do not need to keep the engine switch pressed to start the engine.

NOTICE

Do not leave the engine switch in the "ACC" or "ON" mode when the engine is not running. Avoid using the radio or other electric accessories for a long time when the engine switch is in the "ACC" or "ON" mode when the engine is not running, otherwise the battery may discharge.

NOTE:
- *The steering lock may not be released if some load is acting on the steering wheel. If this happens, turn the steering wheel to the right or left to relieve it from the load before you press the engine switch again to change to the desired ignition mode.*
- *In the presence of strong radio signals or noise, you may not be able to change the ignition mode to "ACC" or "ON" or to start the engine using the engine switch.*

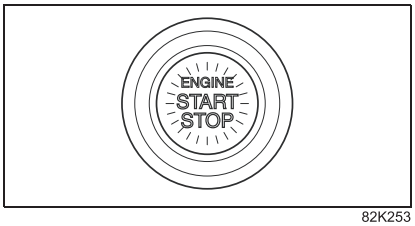
Keyless Push Start System (if equipped)

Provided the keyless push start system remote controller is within the "interior workable area" (refer to the related explanation in this section), you can use the engine switch for starting the engine and selecting an ignition mode ("ACC" or "ON"). In addition, the following functions can be used:

- Keyless entry function. Refer to "Keyless Push Start System Remote Controller" in the "BEFORE DRIVING" section for details.
- Locking and unlocking doors (including the tailgate) using a request switch. Refer to "Keyless Push Start System Remote Controller" in the "BEFORE DRIVING" section for details.
- Immobilizer (anti-theft) function. Refer to "Immobilizer System" in the "BEFORE DRIVING" section for details.

Engine Switch Illumination

The engine switch is illuminated (lit) in the following situations:
- When the engine is off and the driver's door is open, or for 15 seconds after the driver's door is closed. The illumination will fade out after the 15 seconds past.
- When the engine is off and the position lights are on. The illumination will go out when the position lights are turned off.
- When the engine is on and the position lights and/or the headlights are on. The illumination will go out when the position lights and/or the headlights are turned off.



82K253

NOTE:
To save the battery, the illumination will be automatically turned off when both of the following conditions are simultaneously met:
- *The headlights and position lights are turned off.*
- *A period of 15 minutes has elapsed after opening the driver's door.*

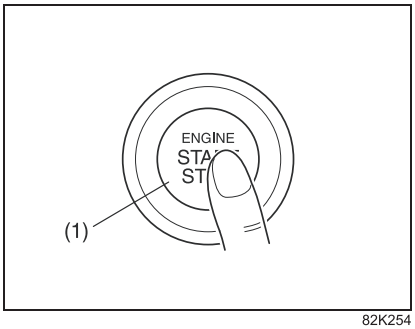
Selection of Ignition Modes

Press the engine switch to select the "ACC" or "ON" mode as follows when you use an electric accessory or check the operation of instruments without running the engine.

1) Bring the keyless push start system remote controller with you and sit in the driver's seat.
2) Manual transaxle – Without depressing the clutch pedal, press the engine

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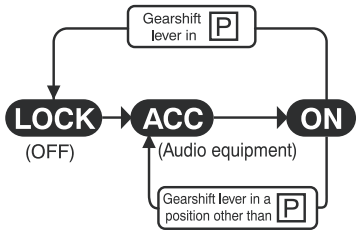
switch (1).
Automatic transaxle – Without depressing the brake pedal, press the engine switch (1).



82K254

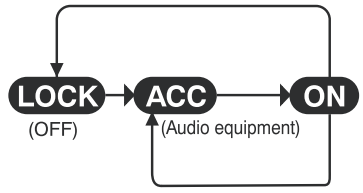
Every time you press the engine switch, the ignition mode changes as follows.

Automatic transaxle



57L31006

Manual transaxle

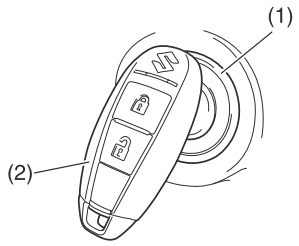


57L31033

NOTE:
Automatic transaxle – If the gearshift lever is in any position other than "P", or if the knob button is pushed when the gearshift lever is in "P" position the ignition mode cannot be returned to "LOCK" (OFF).

If the "PUSH" indicator light blinks and the ignition modes cannot be selected
Your keyless push start system remote controller may not be sensed as being within the "interior workable area" (refer to the related explanation in this section). Try again after making sure you have the remote controller with you. If the ignition modes still cannot be selected, the battery of the remote controller may be discharged. To be able to select an ignition mode, you must then use the following method:

EXAMPLE



58MST0302

1) Without depressing the brake pedal and the clutch pedal, push the engine switch (1).
2) Within about 10 seconds during which the "PUSH" indicator light in the instrument cluster is blinking, touch the engine switch with the "LOCK" button end of the remote controller (2) for about 2 seconds.

NOTE:
- *If you still cannot select the ignition modes, there may be some problems with the keyless push start system. Contact an authorized MARUTI SUZUKI dealer for an inspection of the system.*
- *The immobilizer/keyless push start system warning light come on for about 5 seconds while the "PUSH" indicator light is blinking. Refer to "Warning and Indica-*

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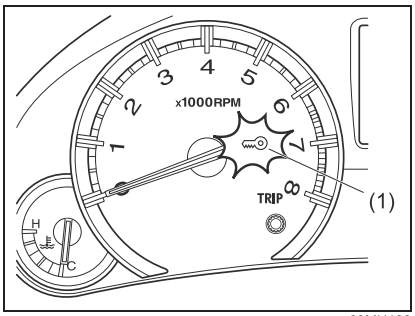
tor Lights" in the "BEFORE DRIVING" section for details.

- *You may customize the system to cause the interior buzzer to sound once for the "remote controller out of sensing range" warning. To incorporate this customization, please contact an authorized MARUTI SUZUKI dealer.*
- *If the battery of the remote controller is about to become completely discharged, the keyless push start system remote controller battery consumption warning light in the instrument cluster will come on for a few seconds when you press the engine switch to change the ignition mode to "ON". Refer to "Warning and Indicator Lights" in the "BEFORE DRIVING" section for details. For details on replacing the battery, refer to the "Keyless Push Start System Remote Controller" in the "BEFORE DRIVING" section.*

"Remote Controller Outside" Warning

When the conditions described below are met, the system gives a "remote controller outside" warning by sounding the interior and exterior buzzers and blinking the immobilizer/keyless push start system warning light.

- Any door is opened and then closed while the remote controller is not inside the vehicle and the engine is running or the ignition mode has been changed to "ACC" or "ON" by pressing the engine switch.
- The remote controller is not inside the vehicle when you attempt to start the engine after changing the ignition mode to "ACC" or "ON" by pressing the engine switch.



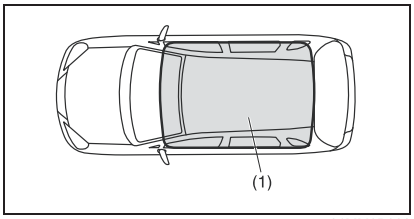
60MH108

(1) Immobilizer/keyless push start system warning light (blinks)

NOTE:

- *If the warning is given, locate the remote controller as soon as possible.*
- *Any attempt to start the engine will fail while the warning is active. Blinking of the immobilizer/keyless push start system warning light in the instrument cluster will indicate this condition. Refer to "Warning and Indicator Lights" in the "BEFORE DRIVING" section for details.*
- *Blinking of the immobilizer/keyless push start system warning light should stop shortly after the remote controller is brought back inside the vehicle. If the immobilizer/keyless push start system warning light does not stop blinking, change the ignition mode to "LOCK" (OFF) by pressing the engine switch and then perform the engine starting operation.*
- *Always keep the remote controller with you as the driver.*

Interior Workable Area for Engine Starting, Ignition Mode Selection and "Remote Controller Outside" Warning



61MM0B002

(1) Interior workable area

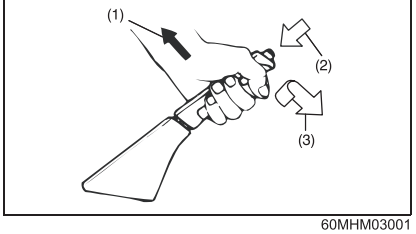
The "interior workable area" for these functions is defined as all the interior spaces except for the space above the instrument panel.

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NOTE:
- *Even when the remote controller is in the "interior workable area", if it is in any of the following conditions, you may not be able to start the engine or select the ignition modes, and the "remote controller outside" warning may be given.*
  - *The remote controller's battery is low.*
  - *The remote controller is affected by strong radio signals or noise.*
  - *The remote controller is in contact with or covered by a metallic object.*
  - *The remote controller is in stowage like the glove box or a door pocket.*
  - *The remote controller is in the sun visor pocket or on the floor.*
- *Even when the remote controller is outside the "interior workable area", if it is in any of the following conditions, you may be able to start the engine or select the ignition mode. The "remote controller outside" warning may not be given at that time.*
  - *The remote controller is outside the vehicle but very close to a door.*
  - *The remote controller is on the instrument panel.*

Parking Brake Lever

EXAMPLE



60MHM03001

(1) To set
(2) To release
(3) To release

The parking brake lever is located between the seats. To set the parking brake, hold the brake pedal down and pull the parking brake lever all the way up. To release the parking brake, hold the brake pedal down, pull up slightly on the parking brake lever, push the button on the end of the lever with your thumb, and lower the lever to its original position.

For automatic transaxle vehicles, always set the parking brake before moving the gearshift lever to the "P" (PARK) position. If you park on an incline and shift into "P" before setting the parking brake, the weight of the vehicle may make it difficult to shift out of "P" when you are ready to drive the vehicle.

When preparing to drive the vehicle, move the gearshift lever out of the "P" position before releasing the parking brake.

⚠ WARNING

- **Never drive your vehicle with the parking brake on: rear brake effectiveness can be reduced from overheating, brake life may be shortened, or permanent brake damage may result.**
- **If the parking brake does not hold the vehicle securely or does not fully release, have your vehicle inspected immediately by an authorized MARUTI SUZUKI dealer.**

⚠ WARNING

Always set the parking brake fully before leaving your vehicle or it may move, causing injury or damage. When parking, make sure the gearshift lever for manual transaxle vehicles is in 1st gear or "R" (Reverse) and the gearshift lever for automatic transaxle vehicles is in "P" (Park). Remember, even though the transaxle is in gear, you must set the parking brake fully.

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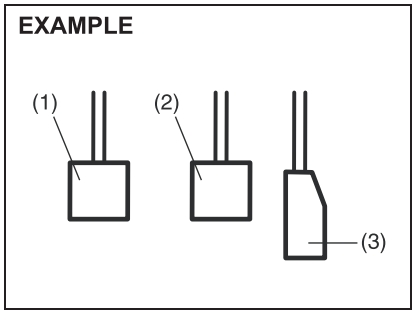
⚠ WARNING

When parking the vehicle in extremely cold weather, the following procedure should be used:
1) **Set the parking brake.**
2) **Manual transaxle - turn off the engine, then shift into reverse or first gear.**
   Automatic transaxle - shift into "P" (Park) and turn off the engine.
3) **Get out of the vehicle and put chocks under the wheels.**
4) **Release the parking brake.**
   When you return to your vehicle, you must remember to first set the parking brake, then remove the wheel chocks.

Parking Brake Reminder Buzzer
A buzzer sounds intermittently to remind you to release the parking brake if you start the vehicle without releasing the parking brake. Make sure that the parking brake is fully released and the brake system warning light turns off.

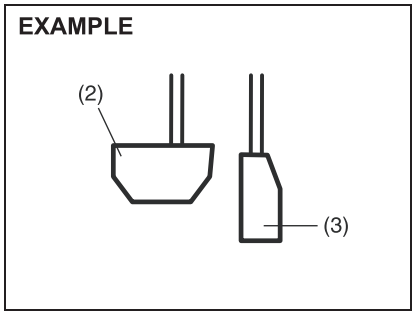
Pedal

Manual transaxle



80J2121

Automatic transaxle



80J2122

Clutch Pedal (1)
(for manual transaxle)
The clutch pedal is used to disengage the drive to the wheels when starting the engine, stopping, or shifting the gearshift lever. Depressing the pedal disengages the clutch.

⚠ WARNING

Do not drive with your foot resting on the clutch pedal. It could result in excessive clutch wear, clutch damage, or unexpected loss of engine braking.

Brake Pedal (2)
Your MARUTI SUZUKI vehicle is equipped with front disc brakes and rear drum brakes. Depressing the brake pedal applies both sets of brakes.

You may hear occasional brake squeal when you apply the brakes. This is a normal condition caused by environmental factors such as cold, wet, snow, etc.

⚠ WARNING

If brake squeal is excessive and occurs each time the brakes are applied, you should have the brakes checked by your MARUTI SUZUKI dealer.

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⚠ WARNING

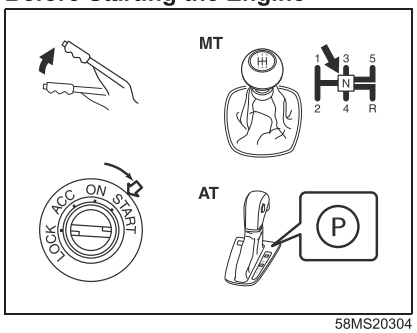
Do not "ride" the brakes by applying them continuously or resting your foot on the pedal. This will result in overheating of the brakes which could cause unpredictable braking action, longer stopping distances, or permanent brake damage.

Accelerator Pedal (3)

This pedal controls the speed of the engine. Depressing the accelerator pedal increases power output and speed.

Starting the Engine (Vehicle without Keyless Push Start System)

Before Starting the Engine



58MS20304

1) Make sure the parking brake is set fully.
2) Manual transaxle – Shift into "N" (Neutral) and depress the clutch pedal all the way to the floor. Hold the clutch pedal while starting the engine.
   Automatic transaxle – If the gearshift lever is not in "P" (Park) position, shift into "P" (Park). (If you need to re-start the engine while the vehicle is moving, shift into "N".)

NOTE:
Automatic transaxle vehicles have a starter interlock device which is designed to keep the starter from operating if the transaxle is in any of the drive positions.

⚠ WARNING

Make sure that the parking brake is set fully and the transaxle is in Neutral (or Park for vehicles with an automatic transaxle) before attempting to start the engine.

Starting a Cold and Warm Engine (For Petrol Engine Model)

With your foot off the accelerator pedal, crank the engine by turning the ignition key to "START". Release the key when the engine starts.

NOTICE

- **Stop turning the starter immediately after the engine has started or the starter system can be damaged.**
- **Do not crank the engine for more than 12 seconds at a time. If the engine doesn't start on the first try, wait about 15 seconds before trying again.**

If the engine does not start after 12 seconds of cranking, wait about 15 seconds, then press down the accelerator pedal to 1/3 of its travel and try cranking the engine again. Release the key and accelerator pedal when the engine starts.

If the engine still does not start, try holding the accelerator pedal all the way to the floor while cranking. This should clear the engine if it is flooded.

(For Diesel Engine Model)

Cold engine

Turn the ignition switch to the "ON" position and wait until the glow plug indicator goes out if it comes on. Crank the engine by turning the ignition key to "START". Release the key when the engine starts.

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NOTICE

- **Stop turning the starter immediately after the engine has started or the starter system can be damaged.**
- **Do not crank the engine for more than 30 seconds at a time. If the engine doesn't start on the first try, wait about 15 seconds before trying again.**

Warm engine
Crank the engine by turning the ignition key to "START". Release the key when the engine starts.

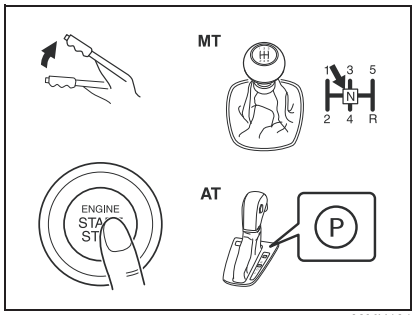
Caution when stopping the engine with turbocharger
When stopping the engine after climbing or high speed driving, let the engine idle for about one minute or more (if it is not prohibited) to cool down the turbocharger and engine oil. This is to prevent the engine oil from over-deteriorating. Deteriorated engine oil will damage the bearings of the turbocharger.

Restarting diesel engine after fuel-empty stop
If the engine stops and the low fuel warning light and the malfunction indicator light come on, use the following procedure:
1) Fill the fuel tank.
2) Hold the ignition key in "ON" position for 5-10 seconds to feed fuel.
3) Perform above engine starting procedure to start the engine.

If the malfunction indicator light still comes on after the engine started, there may be some problem with the engine. Ask your MARUTI SUZUKI dealer to have the engine inspected.

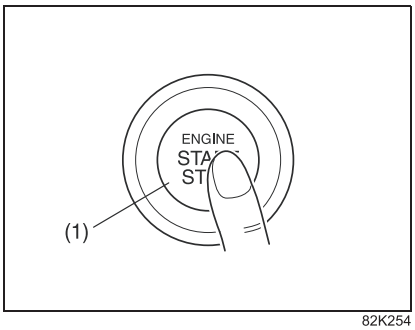
Starting the Engine (Vehicle with Keyless Push Start System)

Before Starting the Engine



60MH101

1) Make sure the parking brake is set fully.
2) Manual transaxle – Shift to "N" (Neutral) and fully depress the clutch pedal. Hold the clutch and brake pedals fully depressed.
   Automatic transaxle – If the gearshift lever is not in the "P" (Park) position, shift it to "P". Hold the brake pedal fully depressed.



82K254

3) The "PUSH" indicator light in the instrument cluster will come on. Push the engine switch (1). When the engine is started, the starter motor will automatically stop.

⚠ WARNING

Make sure that the parking brake is set fully and the transaxle is in Neutral (or Park for vehicles with an automatic transaxle) before attempting to start the engine.

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NOTICE

- **Do not depress the accelerator during the engine starting procedure.**
- **If the engine does not respond when you try to start it with the engine switch or if the engine switch repeats cycling through the "LOCK"(OFF) - "ACC" - "ON" mode, the vehicle battery may be discharged. Check the voltage of the vehicle battery before trying again.**

NOTE:
- *You do not need to keep the engine switch pressed to start the engine.*
- *The engine of a manual transaxle vehicle will not start unless the clutch pedal is depressed.*
- *Automatic transaxle vehicles have a starter interlock device which is designed to keep the starter from operating if the transaxle is in any of the drive positions.*
- *You should turn off such loads as the headlights and air conditioning system to facilitate starting of the engine.*
- *Even if you fail to start the engine, the starter motor will stop turning automatically after a short time. After the starter motor has stopped or if there is some problem with the system, the starter motor will rotate only while the engine switch is being pressed.*

Stopping the Engine

- Depress the engine switch to stop the engine after the vehicle stopped completely.
- In case of emergency, you can stop the engine by quickly pushing the engine switch more than 3 times, or pushing and holding the engine switch more than 2 seconds while the vehicle in motion.

NOTE:
Except in emergency, do not stop the engine while the vehicle in motion.
The steering and braking operation will require more efforts when the engine stopped.
Refer to "Braking" in this section.

NOTICE

If you stop the engine while the vehicle is in motion, the automatic transaxle may be damaged.
Avoid stopping the engine while driving.

- If the engine has been stopped and stayed as it as for while after the engine was stopped unexpectedly or was raced before stopped, a clicking sound may be heard from around the engine when engine restarted. This is not a malfunction. In this case, always let the engine idle before stop it.

Starting a Cold and Warm Engine

(For Petrol Engine Model)

With your foot off the accelerator pedal, crank the engine by pressing the engine switch to change the ignition mode to "START".

NOTICE

Do not crank the engine for more than 12 seconds at a time.
If the engine doesn't start on the first try, wait about 15 seconds before trying again.

After pressing the engine switch to change the ignition mode to "START", the starter cranks the engine for about 12 seconds before it can start the engine. If the engine fails to start at the first attempt, wait about 15 seconds, then try again while keeping the engine switch pressed while pressing down the accelerator pedal to 1/3 of its travel. Release the accelerator pedal when the engine starts.

If the engine still does not start, try holding the accelerator pedal all the way to the floor while cranking. This should clear the engine if it is flooded.
If you are unable to start the engine using this procedure, consult your MARUTI SUZUKI dealer.

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(For Diesel Engine Model)

Cold engine
Depress the clutch and brake pedals fully and press the engine switch to crank the engine. If the glow plug indicator light comes on, the engine will start automatically after the glow plug indicator light goes off or 10 seconds past.

NOTICE

Do not crank the engine for more than 30 seconds at a time.
If the engine doesn't start on the first try, wait about 15 seconds before trying again.

Warm engine
Crank the engine by pressing the engine switch to change the ignition mode to "START".

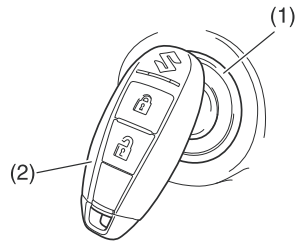
Caution when stopping the engine with turbocharger
When stopping the engine after climbing or high speed driving, let the engine idle for about one minute or more (if it is not prohibited) to cool down the turbocharger and engine oil. This is to prevent the engine oil from over-deteriorating. Deteriorated engine oil will damage the bearings of the turbocharger.

Restarting diesel engine after fuel-empty stop
If the engine stops and the low fuel warning light and the malfunction indicator light come on, use the following procedure:
1) Fill the fuel tank.
2) Press the engine switch to change the ignition mode to "ON" for 5-10 seconds to feed fuel.
3) Perform above engine starting procedure to start the engine.

If the malfunction indicator light still comes on after the engine started, there may be some problem with the engine. Ask your MARUTI SUZUKI dealer to have the engine inspected.

If the "PUSH" indicator light blinks and the engine cannot be started
Your keyless push start system remote controller may not be sensed as being within the "interior workable area". Try again after making sure that you have the remote controller with you. If the engine still cannot be started, the battery of the remote controller may be discharged. You must then use the following method to be able to start the engine.

EXAMPLE



58MST0302

1) Make sure the parking brake is set fully.
2) Manual Transaxle – Shift to "N" (Neutral) and fully depress the clutch pedal. Hold the clutch and brake pedals fully depressed.
   Automatic transaxle – If the gearshift lever is not in the "P" (Park) position, shift it to "P". Hold the brake pedal fully depressed.
3) The "PUSH" indicator light in the instrument cluster will come on. Press the engine switch (1).
4) Within about 10 seconds of blinking of the "PUSH" indicator light in the instrument cluster, touch the engine switch with the "LOCK" button end of the remote controller (2) for about 2 seconds.

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NOTE:
- *If you still cannot start the engine after several attempts using the above method, there may be a problem elsewhere, such as a low battery. Contact your MARUTI SUZUKI dealer for inspection.*
- *The immobilizer/keyless push start system warning light come on for about 5 seconds while the "PUSH" indicator light is blinking.*
- *You may customize the system to cause the interior buzzer to sound once for the "remote controller out of sensing range" warning. Please contact an authorized MARUTI SUZUKI dealer for the customization.*
- *If the battery of the remote controller is about to be completely discharged, the keyless push start system remote controller battery consumption warning light in the instrument cluster will come on for a few seconds when the ignition mode is changed to "ON" by pressing the engine switch. For details on replacing the battery, refer to the "Keyless Push Start System Remote Controller" in the "BEFORE DRIVING" section.*

Returning the Ignition Mode to "LOCK" (OFF)

Automatic transaxle – To ensure safety, the ignition mode can be returned to "LOCK" (OFF) by pressing the engine switch only when the gearshift lever is placed in the "P" position without pressing the knob button.

NOTE:
In the case of an automatic transaxle model, the engine cannot be returned to the "LOCK" (OFF) position if the gearshift lever is in any other position than "P".
Certain problems like a fault in engine system may prevent the engine switch from going back to the "LOCK" (OFF) mode. If this happens, have the vehicle inspected by an authorized MARUTI SUZUKI dealer after doing the following:
- *Lock the doors using the key to prevent theft. (The request switches and the keyless push start system remote controller cannot be used to lock them.)*
- *Disconnect the negative cable from the battery to prevent discharge.*

"LOCK" (OFF) mode reminder buzzer

If the driver's door is opened without returning the ignition mode to "LOCK" (OFF) by pressing the engine switch, a buzzer sounds to warn you of this state.

- If you open the driver's door after pressing the engine switch to change the ignition mode to "ACC", the interior buzzer beeps intermittently.
- The buzzer will stop sounding if you then push the engine switch twice, thus bringing it back the ignition mode to "LOCK" (OFF).

NOTE:
Whenever you leave the vehicle, make sure you have returned the ignition mode to "LOCK" (OFF) using the engine switch and then lock the doors. Without returning the ignition mode to "LOCK" (OFF), you cannot use a request switch or keyless push start system remote controller to lock the doors.

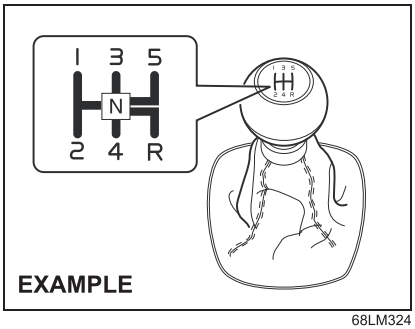
Steering lock warning buzzer

If the steering lock fails to engage due to a fault in the system when the ignition mode is turned to "LOCK" (OFF) by pressing the engine switch and then any door (including the tailgate) is opened or closed, the interior buzzer will warn you of this condition with repeated short beeps. If this happens, have the vehicle inspected by an authorized MARUTI SUZUKI dealer.

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Using the Transaxle

Manual Transaxle



68LM324

Starting off
To start off, depress the clutch pedal all the way to the floor and shift into 1st gear. After releasing the parking brake, gradually release the clutch. When you hear a change in the engine's sound, slowly press the accelerator while continuing to gradually release the clutch.

Shifting
All forward gears are synchronized, which provides for quiet and easy shifting. Always depress the clutch pedal all the way to the floor before shifting gears. Keep the engine speed does not rise into the red zone of the tachometer.

Downshifting maximum allowable speeds

For Petrol engine

Downshifting	Km/h
2nd to 1st	10
3rd to 2nd	40
4th to 3rd	58
5th to 4th	Any speed is OK

For Diesel engine

Downshifting	Km/h
2nd to 1st	12
3rd to 2nd	45
4th to 3rd	71
5th to 4th	Any speed is OK

**NOTE:*
You may not accelerate to the maximum allowable speed because of the driving situation and/or the vehicle condition.

NOTICE

When downshifting to a lower gear, make sure not to downshift at the speed faster than the maximum allowable speeds, or severe engine damage can result.

⚠ WARNING

- **Reduce your speed and downshift to a lower gear before going down a long or steep hill. A lower gear will allow the engine to provide braking. Avoid riding the brakes or they may overheat, resulting in brake failure.**
- **When driving on slippery roads, be sure to slow down before downshifting. Excessive and/or sudden changes in engine speed may cause loss of traction, which could cause you to lose control.**

NOTICE

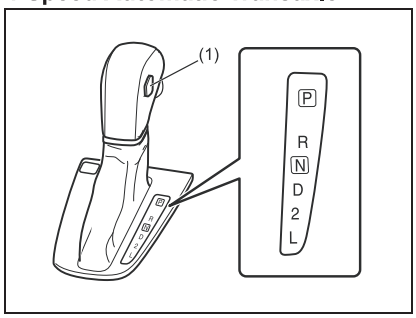
Make sure that the vehicle is completely stationary before you shift into reverse.

NOTICE

- **To help avoid clutch damage, do not use the clutch pedal as a footrest while driving or use the clutch to keep the vehicle stationary on a slope. Depress the clutch fully when shifting.**
- **When shifting or starting off, do not race the engine. Racing the engine can shorten engine life and cause negative effect to smooth shifting.**

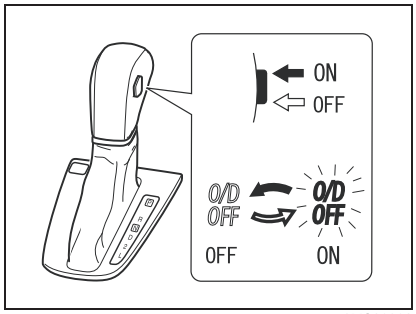
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4-Speed Automatic Transaxle



58MS20301

(1) Overdrive off switch



58MS20302

Overdrive off switch

The transaxle is a 4-speed (3-speed plus overdrive) automatic transaxle. By operating the overdrive off switch, the transaxle can be converted to a 3-speed automatic transaxle that will not move to the overdrive mode. To convert the transaxle to the 3-speed mode, push in the overdrive off switch and release it.

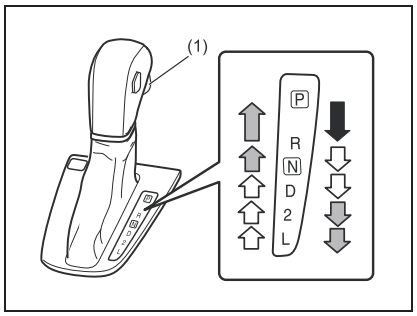
To return the transaxle to the 4-speed mode, push in the overdrive off switch again.

When the ignition switch is turned to the "ACC" position, the transaxle in the 3-speed mode is converted to the 4-speed mode automatically.

The 3-speed mode is suitable for the following driving conditions:

- Driving on hilly, winding roads
  - – You can drive more smoothly with less frequent gear changing
- Going down a steep hill
  - – Some engine braking is provided

Gearshift lever



58MS20303

(1) knob button

The gearshift lever is designed so that it cannot be shifted out of the "P" position unless the ignition switch is in the "ON" position and the brake pedal is depressed.

⚠ WARNING

Always depress the brake pedal before shifting from "P" (Park) (or "N" (Neutral) if the vehicle is stationary) to a forward or reverse gear, to help prevent the vehicle from moving unexpectedly when you shift.

The gearshift lever has a lock mechanism to help prevent accidental shifting. To shift the gearshift lever:

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⇩	Shift with the knob button (1) pushed in and the brake pedal depressed.
⇧⇩	Shift with the knob button (1) pushed in.
⇧⇩	Shift without the knob button (1) pushed in.

NOTE:
- *Always shift the gearshift lever without pushing in the knob button (1) except when you shift from "P" to "R", from "D" to "2", from "2" to "L", from "N" to "R" or from "R" to "P". If you always push in the knob button (1) when shifting the gearshift lever, you could shift into "P", "R", "2", or "L" by mistake.*
- *If driver's or passenger's knee hits the gearshift lever while driving, the lever could move and the gear could be changed unexpectedly.*

Use the gearshift lever positions as described below:

P (Park)
Use this position to lock the transaxle when the vehicle is parked or when starting the engine. Shift into Park only when the vehicle is completely stationary.

R (Reverse)
Use this position to reverse the vehicle from stop. Make sure that vehicle is completely stationary before shifting into Reverse.

N (Neutral)
Use this position for starting the engine if the engine stalls and you need to restart it while the vehicle is moving. You may also shift into Neutral and depress the brake pedal to hold the vehicle stationary during idling.

D (Drive)
Use this position for all normal driving.

With the gearshift lever in "D" range you can get an automatic downshift by pressing the accelerator pedal. The higher the vehicle speed is, the more you need to press the accelerator pedal to get a downshift.

2 (Low 2)
Use this position to provide extra power when climbing hills, or to provide engine braking when going down hills.

L (Low 1)
Use this position to provide maximum power when climbing steep hills or driving through deep snow or mud, or to provide maximum engine braking when going down steep hills.

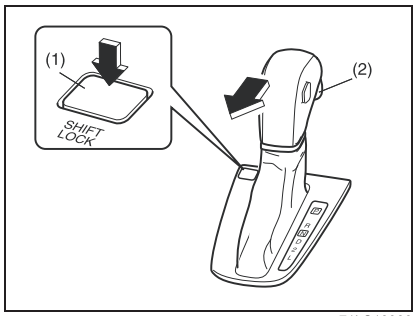
NOTE:
If you move the gearshift lever to a lower gear while driving faster than the maximum allowable speed for the lower gear, the transaxle will not actually downshift until your speed drops below the maximum speed for the lower gear.

NOTICE

Be sure to take the following precautions to help avoid damage to the automatic transaxle:
- **Make sure that the vehicle is completely stationary before shifting into "P" or "R".**
- **Do not shift from "P" or "N" to "R", "D", "2", or "L" when the engine is running above idle speed.**
- **Do not rev the engine with the transaxle in a drive position ("R", "D", "2", or "L") and the front wheels not moving.**
- **Do not use the accelerator to hold the vehicle on a hill. Use the vehicle's brakes.**

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If You Cannot Shift Automatic Transaxle Gearshift Lever Out of "P" (PARK)



71LS10309

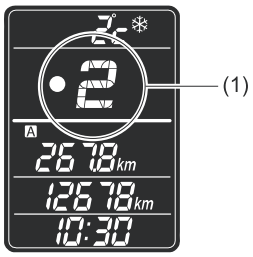
Vehicles with an automatic transaxle have an electrically operated park-lock feature. If the vehicle's battery is discharged, or there is some other electrical failure, the automatic transaxle cannot be shifted out of Park in the normal way. Jump starting may correct the condition. If not, follow the procedure described below. This procedure will permit shifting the transaxle out of Park.

1) Be sure the parking brake is firmly applied.
2) If the engine is running, stop the engine.
3) Make sure the key is in the "ON" or "ACC" position.
4) With the release button (1) pushed, push the knob button (2) and shift the gearshift lever to the desired position.

This procedure is for emergency use only. If repeated use of this procedure is necessary, or the procedure does not work as described, take the vehicle to your dealer for repair.

Gearshift Indicator (if equipped)

EXAMPLE



79MH10301

(1) Gearshift indicator

In the following cases, the gearshift indicator is indicated on the information display when the ignition switch is in the "ON" position or the ignition mode is "ON".

- When the gearshift lever is in a position other than "N" (Neutral).

The electronic control system monitors driving condition (such as vehicle speed and/or engine revolution), and it shows which gear position is optimal for your driving with the indication on the display.

If UP/DOWN arrow and the gear position other than currently selected are indicated on the display while driving, we recommend you to shift up or down the gear to indicated position. It is the optimal gear position for a driving condition that reduces the over revolution and stress to the engine, and improves fuel consumption.

For details on how to use the transaxle, refer to "Using the Transaxle" in this section.

⚠ WARNING

The gearshift indicator is designed to indicate optimal gear position for your driving, however, a driver will not be relieved from the duty of care of driving operation or gear change with this indicator.
To drive safe, do not gaze the gearshift indicator, pay attention to your driving situation and shift up or down if necessary.

NOTE:
- *The gearshift indicator is not indicated when the gear position is in "N" (Neutral).*

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- *If you depress the clutch pedal while UP/DOWN arrow is indicated, the indication will disappear.*
- *If you release your foot from the accelerator pedal while UP arrow is indicated, the indication will display the currently selected gear position.*
- *The indication of gearshift indicator timing may differ depending on the vehicle condition and/or driving situation even in the same vehicle speed and engine revolution.*

Example of the gearshift indicator

Indication	Description
	Lower gear position is selected for the vehicle speed and/or engine revolution. Changing to a higher gear position is recommended. • In this case, shifting up to 4th gear position is recommended.
	Current gear position is optimal for the vehicle speed and/or engine revolution. • In this case, 3rd gear position is the best.
	Higher gear position is selected for the vehicle speed and/or engine revolution. Changing to a lower gear position is recommended. • In this case, shifting down to 2nd gear position is recommended.

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SHVS (Smart Hybrid Vehicle by Maruti Suzuki) (if equipped)

SHVS has an Integrated Starter Generator (ISG) instead of conventional generator to get a better fuel consumption.

Integrated Starter Generator (ISG) is a generator which incorporated a motor function.

The ISG has the following 3 functions.
- Deceleration energy regenerating function
- Engine power assist function
- Starter motor function

Deceleration Energy Regenerating Function

While decelerating your vehicle, the ISG generates electricity without engine power. This reduces engine loads and improves fuel consumption.

While decelerating your vehicle, deceleration energy regenerating function will be activated when the following conditions are satisfied.
- Gearshift lever is not in "N" (Neutral).
- Clutch pedal is not depressed.

NOTE:
The deceleration energy regenerating function may not work depending on vehicle conditions.

Engine Power Assist Function

While the vehicle is running, ISG assists engine power as a motor in the following limited condition. This reduces engine loads and improves fuel consumption.

While the vehicle is running with the engine speed at approximately 2500 rpm or less, engine power assist function will be activated when all of the following conditions are satisfied.

- SHVS system and ENG A-STOP system are working properly. ("ENG A-STOP OFF" indicator light is not blinking.)
- Brake pedal is not depressed.
- ABS (if equipped) is not activated.
- Accelerator pedal is depressed slightly for acceleration.
- Battery is fully charged and the battery inside temperature is in normal condition.
- Engine coolant temperature is in normal condition.
- Headlights are off.

NOTE:
- *The engine power assist function may not work while the battery capacity is being checked right after the engine start, and so on.*
- *The subjective feeling of the horn sound is likely to be different when the deceleration energy regenerating function and engine power assist function are active.*

Starter Motor Function

After the engine auto stop by the ENG A-STOP system, the engine will be restarted using a cranking power of the ISG.

The starting with the ISG is quiet compared with starting by the conventional starter motor.

"SHVS" Indicator Light



79MH10205

"SHVS" indicator light will come on during operation of deceleration energy regenerating function, engine power assist function or starter motor function.

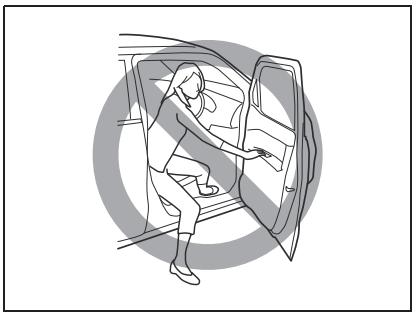
Refer to "Warning and Indicator Lights" in the "BEFORE DRIVING" section for details.

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ENG A-STOP System (Engine Auto Stop Start System) (if equipped)

The ENG A-STOP system (Engine Auto Stop Start System) automatically stops and restarts the engine without operating the ignition switch or the engine switch when the vehicle is stopped, such as at a traffic signal or in a traffic jam, to reduce exhaust gases and fuel consumption.

- When the vehicle will be stopped for a long time or when you will leave the vehicle unattended, turn the ignition switch to the “LOCK” position or press the engine switch to stop the engine.



72M2042

⚠ WARNING

- **Do not go out the vehicle when the engine is stopped by the ENG A-STOP system. If the driver’s seat belt is unfastened and the driver’s door is opened, the engine will stall.**
- **When the engine does not restart automatically even if you operate properly, start the engine using the ignition switch or engine switch.**
  - **– In such situation, stopping on the road may result in rear collision**
  - **– In case the vehicle moves, the steering and braking operation will require more efforts, since the engine is turned off.**

NOTICE

Only use the vehicle battery type (Exide Conservo DIN70) that have been approved by MARUTI SUZUKI vehicle manufacture, otherwise you could damage your vehicle, and the ENG A-STOP system could not be available. If a vehicle battery has to be replaced, consult your authorized MARUTI SUZUKI dealer.

The ENG A-STOP system is automatically activated when the ignition switch is turned to the “ON” position or the engine switch is pressed to change the ignition mode to “ON”.

The system activation also requires the following conditions:

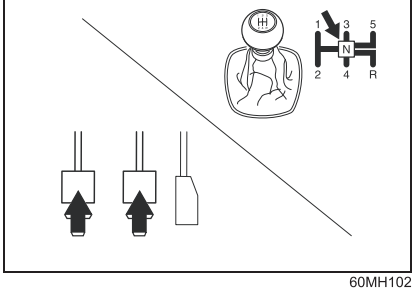
- Driver’s seat belt is fastened.
- Driver’s door is closed.
- Engine hood is closed.

For more details, refer to the explanation below.

Automatically Stopping the Engine

1) With the clutch pedal fully depressed, stop the vehicle.

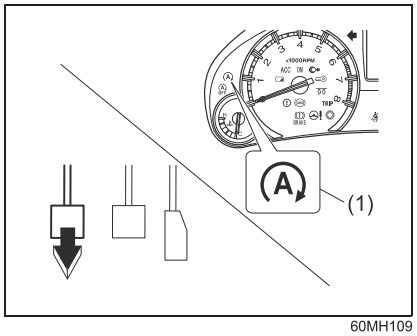
EXAMPLE



60MH102

2) While depressing the brake and clutch pedal, place the gearshift lever in the “N” (Neutral) position.

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60MH109

3) Release the clutch pedal.
The "ENG A-STOP" indicator light (green) (1) in the instrument cluster will illuminate and the engine will stop automatically.

NOTICE
The brake booster becomes inoperative and the pedal effort will increase when the engine is stopped automatically. **If the vehicle is moving, press down the brake pedal harder than usual.**

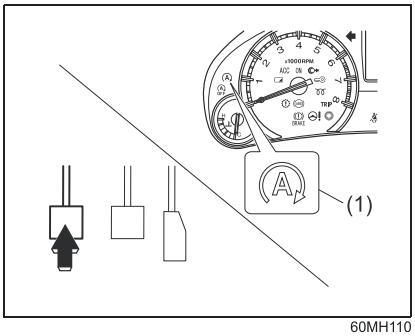
NOTE:
The ENG A-STOP system will not operate and engine does not stop automatically under the following conditions:

- *The "ENG A-STOP OFF" switch is pressed to deactivate the ENG A-STOP system.*
- *The "ENG A-STOP OFF" light blinks.*
- *Engine coolant temperature is either low or high.*
- *Vehicle battery performance is low.*
- *The temperature of the vehicle battery is either low or high.*
- *Brake booster vacuum pressure is low.*
- *Depressing the accelerator pedal.*
- *During or after the ABS system (if equipped) is activated, and the vehicle is stopped.*
- *During the first period use, to initialize the system.*
- *After the engine restarted automatically, and the vehicle speed had not exceeded approximately 3 km/h.*
- *When the engine is started with the hood open.*
- *The vehicle is being driven at an altitude of approximately 2500m and above.*

If the vehicle is unattended for more than two weeks, the engine should run for more than 20 minutes continuously to reactivate the ENG A-Stop system.
Depending on battery condition, the engine may have to run for longer duration also. In case the system still does not respond, you may contact nearest authorised Maruti Suzuki workshop.

If the engine is started with hood open, ignition must be switched "OFF" once after closing the hood to activate ENG A-STOP system.

Automatically Restarting the Engine



60MH110

Depress the clutch pedal while the gear-shift lever is in the "N" (Neutral) position.
"ENG A-STOP" indicator light (green) (1) in the instrument cluster will be turned off and the engine will restart automatically.

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NOTICE

The ENG A-STOP system will not operate and engine does not restart automatically or the engine stalls with warning buzzer under the following conditions:
- **Driver's seat belt is not fastened and driver's door is open.**
- **Engine hood is open.**
- **If the gearshift lever is moved to a position other than the "N" (Neutral) position without depressing the clutch pedal.**

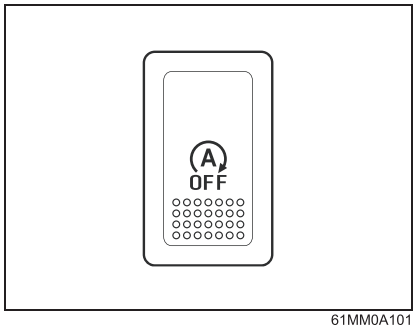
When the engine stalled, restart the engine by usual operation.
Refer to "Starting the Engine" in this section for details.

NOTE:
If the engine stalls by a rapid clutch operation, the engine will restart with the gear positioned "N" (neutral) and the clutch pedal deeply depressed.

NOTE:
Under the following conditions, the engine will restart automatically even if the engine was stopped by the ENG A-STOP system:
- *When the vehicle coasts down a slope.*
- *An engine stopped, and approximately 3 minutes passed.*
- *Brake booster vacuum pressure is low.*
- *Vehicle battery performance is low.*
- *Electric power consumption is high, such as when the heated rear window switch (if equipped) is "ON" or other electrical components (audio, air conditioning etc.) are operating.*
- *The "ENG A-STOP OFF" switch is pressed to deactivate the ENG A-STOP system.*
- *Engine coolant temperature is low.*

NOTE:
When the engine restarts, the sound of the audio may be interrupted.
This is normal and not the malfunction of the audio system.

To Deactivate the ENG A-STOP System



61MM0A101

Push the "ENG A-STOP OFF" switch until the "ENG A-STOP OFF" light comes on.

"ENG A-STOP OFF" Light

If the "ENG A-STOP OFF" light blinks when driving, there may be something wrong with the ENG A-STOP system. You should have the system inspected by an authorized MARUTI SUZUKI dealer. For details, refer to "Warning and Indicator Lights" in the "BEFORE DRIVING" section.

Parking Sensors (if equipped)

- The parking sensor system uses ultrasonic sensors to detect obstacles near the rear bumpers. If obstacles are sensed while you are parking or moving the vehicle slowly, the system warns you by sounding a buzzer.
- The system emits an ultrasonic wave and the relevant sensor detects the return of the wave reflected by an obstacle. The system measures the time taken by the ultrasonic wave to reach the obstacle and return from it, from which it determines the obstacle's position.
- The parking sensor function can be used when the ignition switch is turned to the "ON" position or the engine switch is pressed to change the ignition mode to "ON", the gearshift lever is in the "R" position and the parking sensor switch is in the "ON" position. This function is helpful in the following cases: pulling over to the curb; parallel-parking the vehicle; steering the vehicle into a garage; driving along an alley; and moving slowly in a place with obstacles.

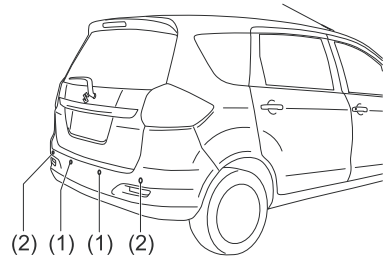
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⚠ WARNING

- **The parking sensor warns you of obstacles with buzzers. However, you must still pay full attention yourself while driving.**
- **The sensors can detect obstacles only within a limited area and only when the vehicle is moving slowly. So, in tricky areas, you must move the vehicle slowly while checking around it using your direct vision or rearview mirrors. There is increased risk of an accident if you control the vehicle relying only on the parking sensor. Parking sensor is only for driver assistance.**

Sensor Locations

EXAMPLE



60MH125

(1) Rear center sensors (2 places)

(2) Rear corner sensors (2 places)

NOTICE

- **Avoid hitting the sensor areas or directing the nozzle of a high-pressure car washer onto the sensor areas. Otherwise, the sensors may be damaged.**
- **If the bumper hits a hard object, the sensors on it may not work properly. If this occurs, have the sensors inspected by an authorized MARUTI SUZUKI dealer.**

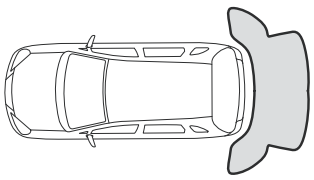
Working sensors

The sensors that work depends on the position of the gearshift lever as follows:

Gearshift lever position		Manual transaxle		Automatic transaxle	
		R	N, 1st – 5th	R	N, D, 2 or L
Rear sensors	Center	On	Off	On	Off
	Corner	On	Off	On	Off

Approximate areas where obstacles can be detected

EXAMPLE



60MH126

- An obstacle within about 20 cm (8 in) from a sensor or just below a sensor is not detectable.
- The sensors can detect an obstacle up to about 1.5 m (5 ft) from the rear of vehicle.

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⚠ WARNING

- **Under the following conditions, the parking sensor system may not work normally because the sensors cannot detect obstacles correctly.**
  - **Sensors are covered with mud, ice or other materials. (Such materials must be removed for normal operation.)**
  - **Sensors are wet from water splashes or heavy rain.**
  - **Sensors are covered by a hand, sticker, accessory, etc.**
  - **There is an accessory or other object attached within the sensor's sensing area.**
  - **Items such as tow hooks, commercially available corner poles, radio antenna, etc. are installed on the bumper.**
  - **The height of the bumper is changed due to alteration to the suspension or other causes.**
  - **The sensor areas are extremely hot from direct sunlight or cold due to freezing weather.**
  - **The vehicle is on a rough surface, slope, gravel road or grass field.**
  - **The vehicle is at a steep angle.**

(Continued)

⚠ WARNING

(Continued)

- **Sensors have intercepted ultrasonic noise from another vehicle's horn, engine, air braking system (large vehicles), or parking sensor.**
- **Obstacles are too close to the sensors.**
- **Sensors are at an angle to a highly reflective object such as glass. (Ultrasonic waves are not reflected back from the obstacle.)**

- **Sensors may not be able to correctly detect the following types of obstacles:**
  - **Objects made of a thin material like wire netting and ropes**
  - **Square-shaped curbstones or other objects with sharp edges**
  - **Tall objects with a large upper part like a road sign**
  - **Low-profile objects such as curbstones**
  - **Sound-absorbing objects such as cotton and snow**

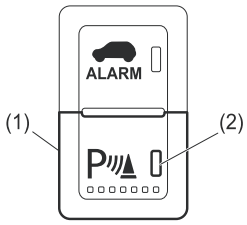
NOTE:

- *Thin poles or obstacles lower than the sensors may become undetectable as the vehicle moves closer to them even if they have been detected from longer distances.*
- *The system may calculate the distance to a road sign or similar obstacle to be shorter than the actual distance.*

How to Use the Parking Sensor

Parking sensor switch

EXAMPLE



60MH127

(1) Parking sensor switch
(2) Indicator

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- When the ignition switch is in the “ON” position or the ignition mode is “ON”, and the indicator light in the parking sensor switch is on, indicating that the parking sensor is ready for operation under the following conditions:
  – The gearshift lever is in the “R” position.
- To deactivate the parking sensor, push the parking sensor switch and make sure the indicator light goes off.

Switch position	State
EXAMPLE 	ON • When the indicator light is on and all necessary condition are met, system becomes ready for operation.
EXAMPLE 	OFF • The system does not operate. Push the switch to turn off the indicator if you do not wish to use the parking sensor.

NOTE:
- *If you push the parking sensor switch from the OFF to ON position when the ignition switch is in the “ON” position or the ignition mode is “ON”, the inside buzzer sounds.*
- *When the gearshift lever is shifted to the “R” position with the system ON, a buzzer will sound once.*

Obstacle Indication by Parking Sensor

Upon detecting an obstacle, the parking sensor causes an interior buzzer to sound.
- A buzzer located behind the rear seat sounds when a sensor at the rear detects an obstacle.
- Warnings when obstacles are detected by corner sensors

Distance (approx.)	Buzzer
45 – 60 cm (18 – 24 in)	Short beeps at short intervals
35 – 45 cm (14 – 18 in)	Short beeps at very short intervals
Less than 35 cm (14 in)	Continuous beep

- Warnings when obstacles are detected by center sensors

Distance (approx.)	Buzzer
60 – 150 cm (24 – 59 in)	Short beeps at long intervals
45 – 60 cm (18 – 24 in)	Short beeps at short intervals
35 – 45 cm (14 – 18 in)	Short beeps at very short intervals
Less than 35 cm (14 in)	Continuous beep

Warning and Indicator Messages

If there is a problem or warning regarding the parking sensor system, a buzzer and the status of the indicator on the parking sensor inform it. Follow its instruction.
- The buzzer sounds intermittently. The indicated sensor is contaminated. Wipe it clean with a soft cloth. If the buzzer does not stop after wiping, there may be problem with the parking sensor system. Have your vehicle inspected by an authorized MARUTI SUZUKI dealer.
- The indicator does not come on when the parking sensor switch is pressed. The indicator goes off while operating. There may be a problem with the parking sensor system, Have your vehicle inspected by an authorized MARUTI SUZUKI dealer.

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Rearview Camera (if equipped)

When the gearshift lever is shifted to the "R" position while the ignition mode is "ON", the rearview camera system automatically shows the view behind the vehicle on the display.

⚠ WARNING

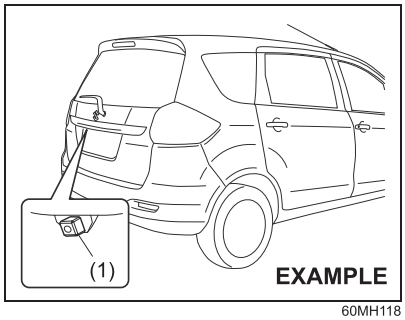
The distance viewed in the rearview camera may differ from the actual distance according to the condition of road or the load the vehicle is carrying. Since the camera display area is also limited, backing up by only looking at the display may cause an accident or a collision with an object. The rearview camera cannot replace the driver's attention. The driver alone is responsible for parking and similar driving maneuvers.

- **Use the rearview camera only to provide driving assistance.**
- **Always drive carefully confirming the safety of the rear and the surrounding conditions by looking directly with your eyes and using the rear view mirror.**
- **Make sure that the tailgate is securely closed when backing up.**

NOTICE

If you use the rearview camera for a long time when the ignition mode is "ON", but the engine is not running, the battery may discharge.
Do not leave the ignition mode "ON" for a long time when the engine is not running.

Rearview Camera Location



60MH118

(1) Rearview camera

The rearview camera is installed beside the license plate light.

NOTICE

The rearview camera is a precision instrument. If you strike the camera, it may be broken and cause damage resulting in a catching fire or a malfunction.

- **Do not strike the camera.**
- **Do not remove snow or mud on the camera lens with a stick.**

NOTICE

If water enters the rearview camera, it may cause a malfunction or catching fire.
Do not use high pressure water around the camera.

NOTICE

This lens is hard coated to prevent damage or discoloration. Damage or discoloration of lens may obscure the image.

- **Do not use a brush to clean lens.**
- **Do not use alcohol, benzene or thinner to clean the lens.**
- **Do not use wax on the camera lens.**

NOTE:
If body wax does get on the camera lens, wipe off the wax with a clean cloth dampened with mild detergent diluted with water, then wipe with a dry cloth.

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How to Use Rearview Camera

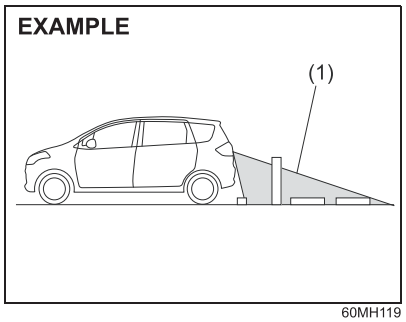
1) Press the engine switch to change the ignition mode to “ON”.
2) Shift the gearshift lever in the “R” position.
   - The audio display automatically shows the view behind the vehicle.
   - When the gearshift lever is shifted from “R” to another gearshift lever position, the display returns to the previous display.

NOTE:
The rearview camera display has first priority in any display mode. However, the rearview camera display does not show the rear view while the system is initializing.

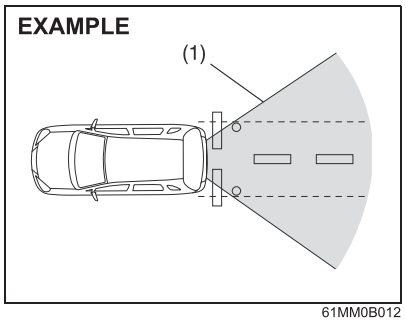
Display Range of Rearview Camera

The rearview camera display shows the area behind the rear end of the tailgate. The display cannot show objects which are close to the bumper or under the bumper. The rearview camera display cannot show obstacles which are higher than the camera. Upper parts of tall objects such as road signs cannot be viewed on the display.

Example of display range of rearview camera



60MH119



61MM0B012

(1) Display range

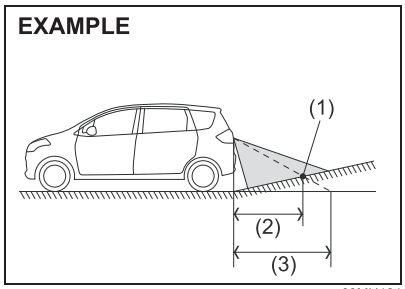
NOTE:
- *Images shown on the display from the rearview camera are reversed images (mirror images).*
- *The colors of objects on the rearview camera may differ from the actual object colors.*
- *The rearview camera display may be difficult to see under the following conditions, but this is not a system malfunction.*
  - *In dark areas, on a rainy day or at night.*
  - *When the temperature around the lens is too high/low, or the camera is wet such as on a rainy day or during periods of high humidity (dew condensation may occur on the camera lens).*
  - *When a foreign object such as mud or a drop of water is stuck around the camera lens.*
  - *When strong light directly enters the camera (vertical lines may be seen on the display).*
  - *Under fluorescent light. (The display may flicker.)*
  - *When the outside temperature is low (the image on the display may be darkened).*

Example of rearview camera screen indication

The distance viewed in the rearview camera may differ from the actual distance according to the condition of the road or the load the vehicle is carrying.

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Uphill Incline behind the Vehicle

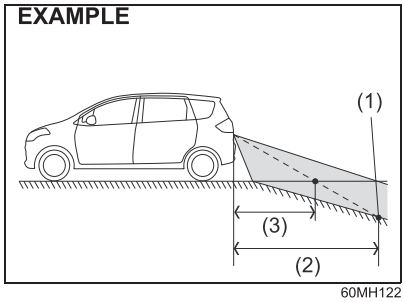


60MH121

(1) Object
(2) Actual distance
(3) Distance on the display

When there is an uphill incline behind the vehicle, the object shown on the display appears farther away than the actual distance.

Downhill Incline behind the vehicle



60MH122

(1) Object
(2) Actual distance
(3) Distance on the display

When there is a downhill incline behind the vehicle, the object shown on the display appears closer than the actual distance.

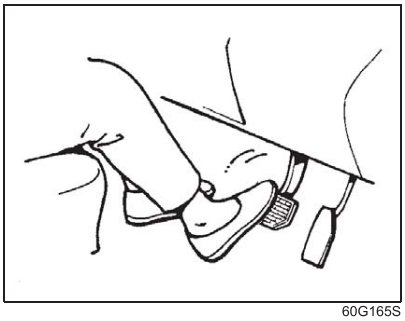
If the rear view from the rearview camera is not shown or there is a poor image

- If the rear view from the rearview camera is not shown.
  - Check to make sure that the ignition mode is “ON”.
  - Check to make sure that the gearshift lever is shifted to the “R” position.

- If the image from the rearview camera is poor.
  - Check to make sure that the camera lens is not dirty.
  - Check to make sure that light from the sun or the beam of the headlights from the vehicle behind is not shining directly into the lens.

If the rearview camera system is still not working properly after checking the above, have the system inspected by an authorized MARUTI SUZUKI dealer as soon as possible.

Braking



60G165S

The distance needed to bring any vehicle to a halt increases with the speed of the vehicle. The braking distance needed, for example, at 60 km/h will be approximately 4 times greater than the braking distance needed at 30 km/h. Start to brake the vehicle when there is plenty of distance

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between your vehicle and the stopping point, and slow down gradually.

⚠ WARNING

If water gets into the brake drums, brake performance may become poor and unpredictable. After driving through water or washing the underside of the vehicle, test the brakes while driving at a slow speed to see if they have maintained their normal effectiveness. If the brakes are less effective than normal, dry them by repeatedly applying the brakes while driving slowly until the brakes have regained their normal effectiveness.

Power-Assisted Brakes

Your vehicle has power-assisted brakes. If power assistance is lost due to a stalled engine or other failures, the system is still fully operational on reserve power and you can bring the vehicle to a complete stop by pressing the brake pedal once and holding it down. The reserve power is partly used up when you depress the brake pedal and reduces each time the pedal is pressed. Apply smooth and even pressure to the pedal. Do not pump the pedal.

⚠ WARNING

Even without reserve power in the brake system, you can still stop the vehicle by pressing the brake pedal harder than normally required. However, the stopping distance may be longer.

Brake Assist System (if equipped)

When you slam the brakes on, the brake assist system judges as an emergency stop and provides more powerful braking for a driver who cannot hold down the brake pedal firmly.

NOTE:
If you quickly and forcefully depress the brakes, you may hear a clicking sound in the brake pedal. This is normal and indicates that the brake assist system is activated properly.

Anti-Lock Brake System (ABS) (if equipped)

ABS will help you avoid skidding by electronically controlling braking pressure. It will also help you maintain steering control when braking on slippery surfaces or when braking hard.
The ABS works automatically, so you do not need any special braking technique. Just push the brake pedal down without pumping. The ABS will operate whenever it senses that the wheels are locking up. You may feel the brake pedal moves a little while the ABS is operating.

NOTE:
The ABS will not work if vehicle speed is under about 10 km/h (6mph).

⚠ WARNING

- **On some types of loose surfaces (such as gravel, snow-covered roads, etc.) the stopping distance required for an ABS-equipped vehicle may be slightly greater than for a comparable vehicle with a conventional brake system. With a conventional brake system, skidding tires are able to "plow" the gravel or snow layer, shortening the stopping distance. ABS minimizes this resistance effect. Allow for extra stopping distance when driving on loose surfaces.**
- **On regular paved roads, some drivers may be able to obtain slightly shorter stopping distances with conventional brake systems than with ABS.**

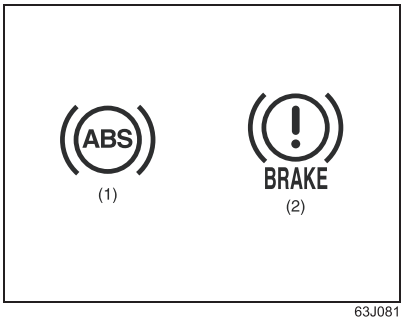
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⚠ WARNING

(Continued)

- **In both of the above conditions, ABS will still offer the advantage of helping you maintain directional control. However, remember that ABS will not compensate for bad road or weather conditions or poor driver judgment. Use good judgment and do not drive faster than conditions will safely allow.**



63J081

(1) ABS warning light
(2) Brake system warning light

⚠ WARNING

- **If the ABS warning light (1) on the instrument panel comes on and stays on while driving, there may be a problem with the ABS system. Ask your MARUTI SUZUKI dealer to inspect the ABS system immediately. If the ABS system becomes inoperative, the brake system will function as an ordinary brake system that has no ABS.**
- **If the ABS warning light (1) and the Brake system warning light (2) on the instrument panel simultaneously stays on or comes on when driving, both anti-lock function and rear brake force control function (proportioning valve function) of the ABS system may have failed. If so, the rear wheels may easily skid or the vehicle can even spin in the worst case when braking on a slippery road or when hard braking even on a dry paved road. Ask your MARUTI SUZUKI dealer to inspect the ABS system immediately. Drive carefully, avoiding hard braking as much as possible.**

How the ABS Works

A computer continuously monitors wheel speed. The computer compares the changes in wheel speed when braking. If the wheels slow suddenly, indicating a skidding situation, the computer will change braking pressure several times each second to prevent the wheels from locking. When you start your vehicle or when you accelerate after a hard stop, you may hear a momentary motor or clicking noise as the system resets or checks itself.

⚠ WARNING

The ABS may not work properly if tires or wheels other than those specified in the owner's manual are used. This is because the ABS works by comparing changes in wheel speed. When replacing tires or wheels, use only the size and type specified in this owner's manual.

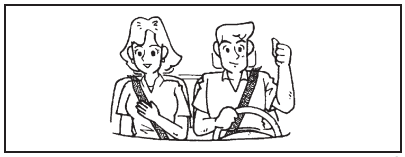
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DRIVING TIPS

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Improving Fuel Economy 4-2
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52D078S

⚠ WARNING

- **Wear Your Seat Belts at All Times. Even though air bags are equipped at the front seating positions, the driver and all passengers should be properly restrained at all times, using the seat belts provided. Refer to the "Seat Belts and Child Restraint Systems" section for instructions on proper use of the seat belts.**
- **Never drive while under the influence of alcohol or other drugs. Alcohol and drugs can seriously impair your ability to drive safely, greatly increasing the risk of injury to yourself and others. You should also avoid driving when you are tired, sick, irritated, or under stress.**

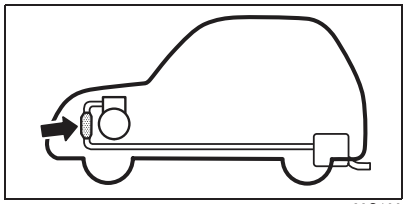
Running-in

NOTICE

The future performance and reliability of the engine depends on the care and restraint exercised during its early life. It is especially important to observe the following precautions during the initial 960 km of vehicle operation.

- **After starting, do not race the engine. Warm it up gradually.**
- **Avoid prolonged vehicle operation at a constant speed. Moving parts will break in better if you vary your speed.**
- **Start off from a stop slowly. Avoid full throttle starts.**
- **Avoid hard braking, especially during the first 320 km of driving.**
- **Do not drive slowly with the transaxle in a high gear.**
- **Drive the vehicle at moderate engine speeds.**
- **Do not tow a trailer during the first 960 km of vehicle operation.**

Catalytic Converter



80G106

The purpose of the catalytic converter is to minimize the amount of harmful pollutants in your vehicle's exhaust. Use of leaded fuel in vehicles equipped with catalytic converters is prohibited, because lead deactivates the pollutant-reducing components of the catalyst system.

The converter is designed to last the life of the vehicle under normal usage and when unleaded fuel is used. No special maintenance is required on the converter. However, it is very important to keep the engine properly tuned. Engine misfiring, which can result from an improperly tuned engine, may cause overheating of the catalyst. This may result in permanent heat damage to the catalyst and other vehicle components.

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NOTICE

To minimize the possibility of catalyst or other vehicle damage:

- **Maintain the engine in the proper operating condition.**
- **In the event of an engine malfunction, particularly one involving engine misfire or other apparent loss of performance, have the vehicle serviced promptly.**
- **Do not turn off the engine or interrupt the ignition when the transaxle is in gear and the vehicle is in motion.**
- **Do not try to start the engine by pushing or towing the vehicle, or coasting down a hill.**
- **Do not idle the engine with any spark plug wires disconnected or removed, such as during diagnostic testing.**
- **Do not idle the vehicle for prolonged periods if idling seems rough or there are other malfunctions.**
- **Do not allow the fuel tank to get near the empty level.**



54G584S

⚠ WARNING

Be careful where you park and drive; the catalytic converter and other exhaust components can get very hot. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

Improving Fuel Economy

The following instructions will help you improve fuel economy.

Avoid excessive idling

If you are to wait for more than a minute while you are parked, stop the engine and start it again later. When warming up a cold engine, allow the engine to idle until the temperature gauge pointer comes up to the "C" position (if the idling is not prohibited). In this position, the engine is sufficiently warm for starting off.

Avoid "fast" starts

Fast starts away from lights or stop signs will consume fuel unnecessarily and shorten engine life. Start off slowly.

Avoid unnecessary stops

Avoid unnecessary deceleration and stopping. Try to maintain a slow, steady speed whenever possible. Slowing down and then accelerating again uses more fuel.

Keep a steady cruising speed

Keep as constant a speed as road and traffic conditions will permit.

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Keep the air cleaner clean



60A183S

If the air cleaner is clogged with dust, there will be greater intake resistance, resulting in decreased power output and increased fuel consumption.

(Diesel Engine)
No cleaning is required. Replace as per periodic maintenance schedule

Keep weight to a minimum
The heavier the load, the more fuel the vehicle consumes. Take out any luggage or cargo when it is not necessary.

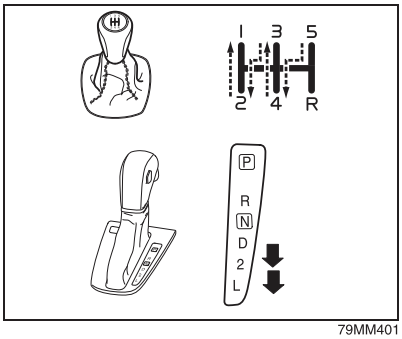
Keep tire pressures correct
Underinflation of the tires can waste fuel due to increased running resistance of the tires. Keep your tires inflated to the correct pressure shown on the label on the driver's side door or the driver's door lock pillar.

Highway Driving

When driving at highway speeds, pay attention to the following:

- Stopping distance progressively increases with vehicle speed. Apply the brakes far enough ahead of the stopping point to allow for the extra stopping distance.
- On rainy days, "Hydroplaning" can occur. "Hydroplaning" is the loss of direct contact between the road surface and the vehicle's tires due to a water film forming between them. Steering or braking the vehicle while "Hydroplaning" can be very difficult, and loss of control can occur. Keep speed down when the road surface is wet.
- At high speeds, the vehicle may be affected by side winds. Therefore, reduce speed and be prepared for unexpected buffeting, which can occur at the exits of tunnels, when passing by a cut of a hill, or when being overtaken by large vehicles, etc.

Driving on Hills



79MM401

- When climbing steep hills, the vehicle may begin to slow down and show a lack of power. If this happens, you should shift to a lower gear so that the engine will again be operating in its normal power range. Shift rapidly to prevent the vehicle from losing momentum.
- When driving down a hill, the engine should be used for braking by shifting to next lower gear. (Do this with either a automatic transaxle or manual transaxle.)

⚠ WARNING

Try not to hold the brake pedal down too long or too often while going down a steep or long hill. This could cause the brakes to overheat, resulting in reduced braking efficiency. Failure to take this precaution could result in loss of vehicle control.

While moving uphill/gradient from a stand still condition

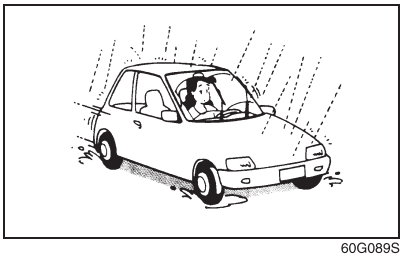
- Apply the parking brake firmly so that the vehicle does not roll backwards.
- Depress the Clutch pedal and Shift the gearshift lever to 1st Select position.
- Do not slip the clutch.
- When ready to start, press accelerator pedal and slowly release the clutch pedal simultaneously. When the vehicle starts to move, gradually release the parking brake.

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NOTICE

When descending a down hill, NEVER turn the ignition key to the "LOCK" position or press the engine switch to change the ignition mode to "LOCK" (OFF). Emission control system and automatic transaxle (if equipped) damage may result.

Driving on Slippery Roads



60G089S

Under wet road conditions you should drive at a lower speed than on dry roads due to possible slippage of tires during braking. When driving on icy, snow-covered, or muddy roads, reduce your speed and avoid sudden acceleration, abrupt braking, or sharp steering movements.

Tire Chains

Tire chains should only be used if they are needed to increase traction or are required by law. Make sure that the chains you use are the correct size for your vehicle's tires. Also make sure that there is enough clearance between the fenders and the chains as installed on the tires.

Install the chains on the front tires tightly, according to the chain manufacturer's instructions. Retighten the chains after driving about 1.0 km if necessary. With the chains installed, drive slowly.

NOTICE

- **If you hear the chains hitting against the vehicle body while driving, stop and tighten them.**
- **If your vehicle is equipped with full wheel caps, remove the wheel caps before installing the chains or the wheel caps can be damaged by the chain bands.**

If Your Vehicle Gets Stuck

If your vehicle gets stuck in snow, mud, or sand, follow the directions below:

1) Shift the transaxle back and forth between a forward range (or first gear for manual transaxle) and reverse. This will create a rocking motion which may give you enough momentum to free the vehicle. Press gently on the accelerator to keep wheel spinning to a minimum wheel rpm. Remove your foot from the accelerator while shifting.
   Do not race the engine. Excessive wheel spin will cause the tires to dig deeper, making it more difficult to free the vehicle.
2) If your vehicle remains stuck after a few minutes of rocking, we recommend you to consult your MARUTI SUZUKI dealer or a roadside assistance service. If a towing service is not available in an emergency, your vehicle may be temporarily towed by a towing cable or chain secured to the towing hook either on the front of the vehicle or on the rear of the vehicle. Refer to "Frame Hooks" in the "OTHER CONTROLS AND EQUIPMENT" section.

⚠ WARNING

Do not allow anyone to stand near the vehicle when you are rocking it, and do not spin the wheels faster than an indicated 40 km/h (25 mph) on the speedometer. Personal injury and/ or vehicle damage may result from spinning the wheels too fast.

NOTICE

Do not continue rocking the vehicle for more than a few minutes. Prolonged rocking can cause engine overheating or transaxle damage.

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Driving On Wet Roads

NOTICE

- **When driving on wet roads, avoid driving through large amount of standing water on the road. Large amount of water entering the engine compartment may cause damage to the engine and or electrical components.**
- **If stuck in deep water, do not start till water level drops.**
- **Water is incompressible substance, water inside engine is harmful to the engine.**



54G638S

⚠ WARNING

In addition to following the driving tips in this section, it is important to observe the following precautions.

- **Make sure your tires are in good condition and always maintain the specified tire pressure. Refer to "Tires" in the "INSPECTION AND MAINTENANCE" section for details.**
- **Do not use tires other than those specified by MARUTI SUZUKI. Never use different sizes or types of tires on the front and rear wheels. For information regarding the specified tires, refer to the Tire Information Label located on the driver's door lock pillar.**
- **Never use oversized tires or special shock absorbers and springs to raise (jack up) your vehicle. This will change the handling characteristics. Oversized tires may also rub against the fender over bumps, causing vehicle damage or tire failure.**

(Continued)

⚠ WARNING

(Continued)

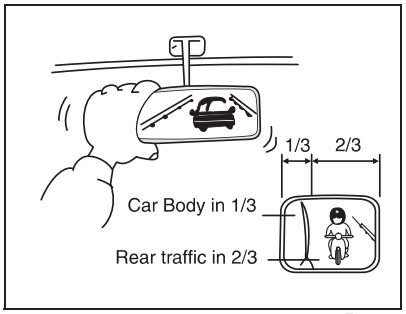
- **After driving through water, test the brakes while driving at a slow speed to see if they have maintained their normal effectiveness. If the brakes are less effective than normal, dry them by repeatedly applying the brakes while driving slowly until the brakes have regained their normal effectiveness.**

Do's and Dont's for Safe Driving

Exercise care in handling your vehicle. Be conscious of not only your own safety but also the safety of others on the road, and thus enjoy the best and most comfortable driving experience.

This section contains basic rules for safe driving. Read it carefully for good understanding of the content so that you can enjoy safe and pleasant driving in your Maruti Suzuki vehicle.

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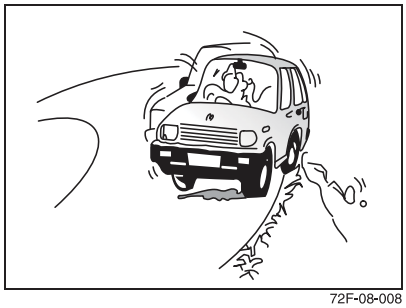
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Starting

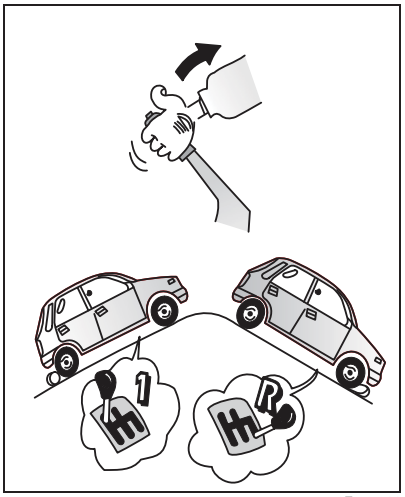
1) Adjust the driver's seat for the proper driving posture.
2) Adjust the rear view mirror so as to obtain the best possible rear view.
3) Before moving off, look forward and back to confirm safety.
4) Don't start quickly, since it is dangerous and wastes fuel.

General driving

1) Be sure to stop before the stop light and stop sign. When moving into the intersection without any traffic lights or signs, drive slowly to confirm safety.


72F-08-008

2) Always follow other vehicles at a safe distance in order to prevent a rear-end collision, in case the vehicle ahead make a sudden stop.
3) Turn ON the turn signal at least 30 meters before making a turn or changing the lane so as not to be hit from behind.
4) Before entering a corner, decelerate to a safe speed. Don't apply brakes during cornering, or a cornering skid may occur.
5) When overtaking other vehicles, watch out for the oncoming vehicle and carefully confirm the safety.
6) Don't attempt zigzag driving which will hinder your control over the vehicle and cause an accident.

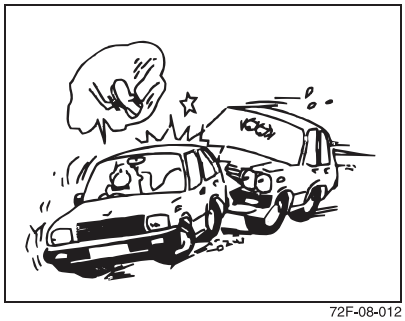


72F-08-011

Braking

1) Use the parking brake when parking your vehicle and shift the gear shift lever into the first gear or reverse gear position for the sake of safety.
2) Don't use handbraking unless unavoidable. It causes the vehicle to skid and a rear-end collision occur. It is especially dangerous when the tyres are worn, for they allow a larger skid.

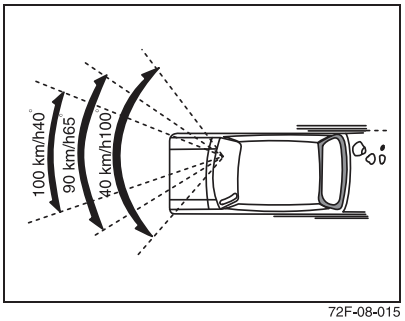
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72F-08-012

Use foot brake in three stages
1. Warn the vehicle behind you
2. Gradually apply the brake.
3. Bring the vehicle to a halt.

3) When driving on a downhill, try not to apply the brake but use the engine brake effectively. Overuse of the foot-brake may result in total brake failure.
4) Avoid reckless high speed driving and try to drive at a safe speed suitable for the road conditions while maintaining a constant speed.

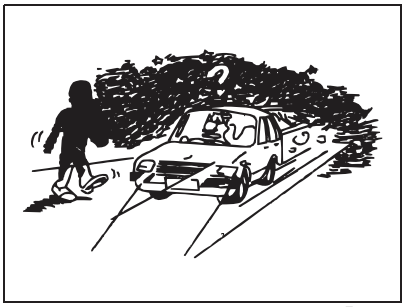


72F-08-015

5) The higher the speed, the narrower the driver's visual range becomes. In such a state, it is difficult to anticipate any hazard and the driver feels much fatigued.
6) Never do sharp handling during high speed driving. You will lose your control over your vehicle.
7) When overtaking or changing the lane while driving at a high speed, keep an ample vehicle-to-vehicle distance.

Long distance driving

1) Be sure to perform safety checks before starting a trip.
2) Take rest at certain intervals to prevent an accident which may occur when you are sleepy or tired.



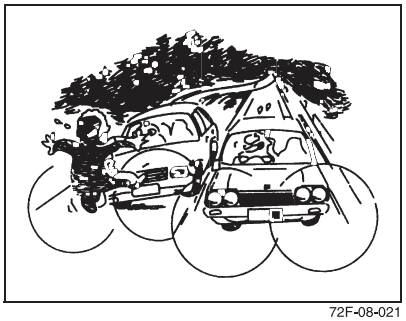
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Night time driving

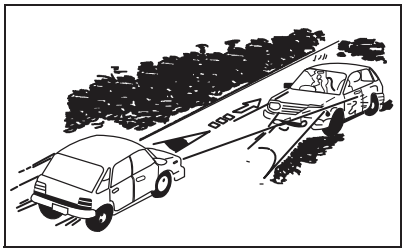
1) Drive more slowly at night than in the daytime, for the visual range is restricted at night.
2) Don't overtake other vehicles at night. Darkness bothers your sense of speed and hinders your judgment on the vehicle-to-vehicle distance.
3) Don't use the high headlight beam unless its use is inevitable. Its dazzle may blitz the driver of the oncoming vehicle, thus causing an accident.
4) Always keep the window glasses clean. Don't operate the windshield wiper

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when the windshield glass is dry or the wiper blade and glass may get damaged.



72F-08-021



72F-08-022

Margin For Safety

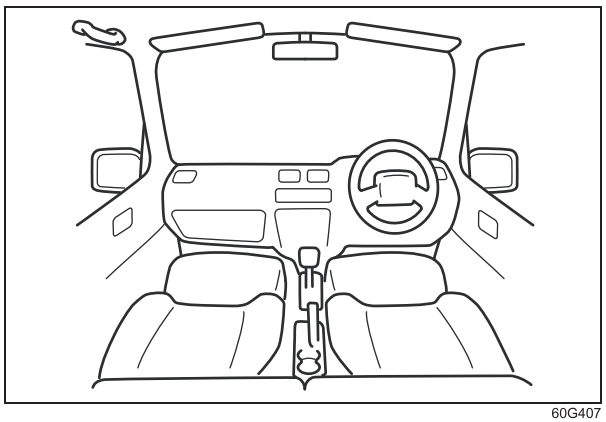
It is important to allow yourself a margin for safety during driving so that you can cope with erroneous or unexpected driving of other drivers. For that, observe the following.

- Drive at a safe speed.
- Maintain a sufficient distance between your vehicle and the vehicle ahead.
- Don't force yourself to overtake other vehicles.
- Don't make quick start, hard steering or sudden stops.
- Allow an ample time in the driving schedule.
- Observe traffic rules and regulations.

Conclusion

A perfect driver does not exist. The endeavour of every motorist should be to strive for perfection. Safety consciousness not only ensures your safety and the safety of other road users, it also helps reduce the wear and tear on your vehicle, prolongs its life, gives more mileage and ensures a comfortable driving experience.
Follow the do's and dont's listed, and driving will never be the same again.

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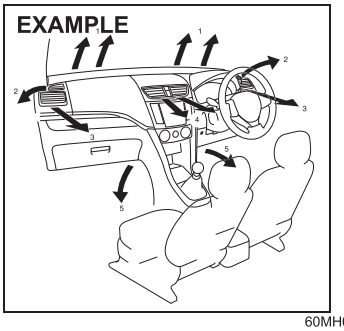
OTHER CONTROLS AND EQUIPMENT

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Manual Heating and Air Conditioning System

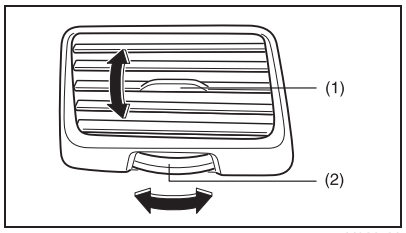
Air Outlet



60MH064

1. Windshield defroster outlet
2. Side defroster outlet
3. Side outlet
4. Center outlet
5. Floor outlet

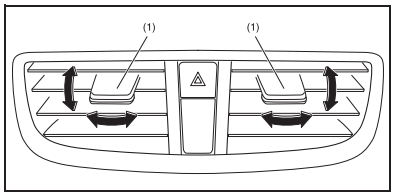
Side outlet



68LM502

Move the knob (1) vertically and the dial (2) horizontally, to adjust the direction of airflow as desired. When "Open", air comes out from the side outlets regardless of the airflow selector position.

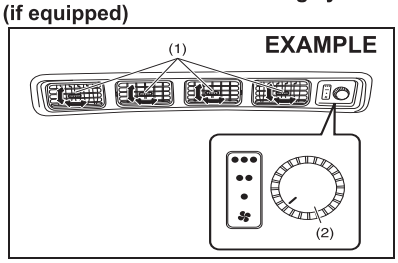
Center outlet



74LHT0502

Move the knob (1) vertically or horizontally to adjust the direction of airflow as desired.

Overhead rear air conditioning system (if equipped)



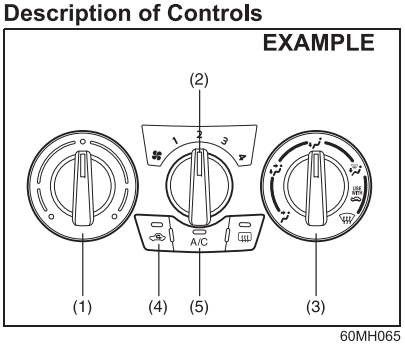
60MH028

To turn on the overhead rear air conditioning system, set the blower speed selector of the manual heating and air conditioning system to a position other than "OFF" and set the rear blower switch (2) to a position other than "OFF". Move the knob (1) vertically or horizontally to adjust the direction of airflow as desired.

If you need cold air to come out, turn on the air conditioning switch. Refer to "Air conditioning switch" in this section.

During operation of the air conditioner, you may notice slight changes in engine speed. These changes are normal, the system is designed so that the compressor turns on or off to maintain the desired temperature. Less operation of the compressor results in better fuel economy.

Description of Controls



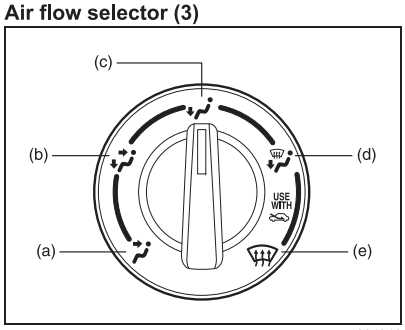
60MH065

Temperature selector (1)
This is used to select the temperature by turning the selector.

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Blower speed selector (2)
This is used to turn on the blower and to select blower speed by turning the selector.

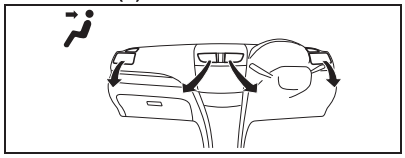
Air flow selector (3)



63J048

This is used to select one of the functions described below.

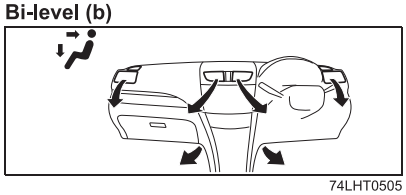
Ventilation (a)



74LHT0504

Temperature-controlled air comes out of the center and side air outlets.

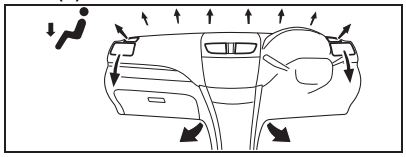
Bi-level (b)



74LHT0505

Temperature-controlled air comes out of the floor outlets and cooler air comes out of the center and side outlets. When the temperature selector (1) is in the fully COLD position or fully HOT position, however, the air from the floor outlets and the air from the center and side outlets will be the same temperature.

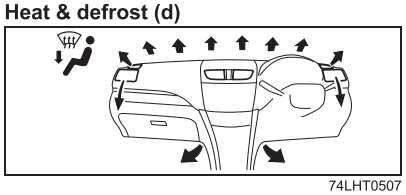
Heat (c)



74LHT0506

Temperature-controlled air comes out of the floor outlets and the side outlets, also comes out of the windshield defroster outlets and also comes slightly out of the side defroster outlets.

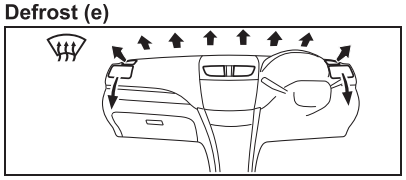
Heat & defrost (d)



74LHT0507

Temperature-controlled air comes out of the floor outlets, the windshield defroster outlets, the side defroster outlets and the side outlets.

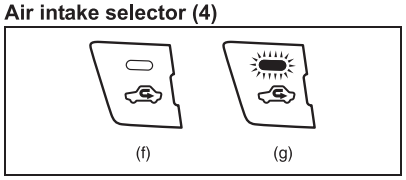
Defrost (e)



74LHT0508

Temperature-controlled air comes out of the windshield defroster outlets, the side defroster outlets and the side outlets.

Air intake selector (4)



68LM511

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This selector is used to select the following modes.

Fresh Air (f)
When this mode is selected, the indicator light will go off and outside air is used.

Recirculated Air (g)
When this mode is selected, the indicator light will come on, outside air is shut out and inside air is recirculated. This mode is suitable when driving through dusty or polluted air such as in a tunnel, or when attempting to quickly cool down the interior.

"FRESH AIR" and "RECIRCULATED AIR" are switched alternately each time the air intake selector is pushed.

NOTE:
If you select "RECIRCULATED AIR" for an extended period of time, the air in the vehicle can become contaminated. Therefore, you should occasionally select "FRESH AIR".

Air conditioning switch (5)
To turn on the air conditioning system, set the blower speed selector to a position other than "OFF" and push in the "A/C" switch. With this "A/C" switch operation, a indicator light will come on when the air conditioning system is on. To turn off the air conditioning system, push the "A/C" switch again.

During operation of the air conditioner, you may notice slight changes in engine speed. These changes are normal, the system is designed so that the compressor turns on or off to maintain the desired temperature.

Less operation of the compressor results in better fuel economy.

System Operating Instructions

Natural ventilation
Select "VENTILATION" and "FRESH AIR", the temperature selector to the desired temperature position, and the blower speed selector to "OFF". Fresh air will flow through the vehicle during driving.

Forced ventilation
The control settings are the same as for natural ventilation except you set the blower speed selector to a position other than "OFF".

Normal heating (using outside air)
Select "HEAT" and "FRESH AIR", the temperature selector to the desired temperature position and the blower speed selector to the desired blower speed position. Setting the blower speed selector to a higher blower speed position increases heating efficiency.

Quick heating (using recirculated air)
The control settings are the same as for normal heating except you select "RECIRCULATED AIR". If you use this heating method for an extended period of time, the air in the vehicle can become contaminated and the windows can become misty. Therefore, use this method only for quick heating and change to the normal heating method as soon as possible.

Head cooled/Feet warmed heating
Select "BI-LEVEL" and "FRESH AIR", the temperature selector to the desired temperature position, and the blower speed selector to the desired blower speed position. Unless the temperature selector is in the fully COLD position or fully HOT position, the air that comes out of the center and side outlets will be cooler than the air that comes out of the floor outlets.

Normal cooling
Set the air flow selector to "VENTILATION", the temperature selector to the desired temperature position and the blower speed selector to the desired blower speed position, and turn on the "A/C" switch. Setting the blower speed selector to a higher blower speed position increases cooling efficiency.

You can switch the air intake selector to either "FRESH AIR" or "RECIRCULATED AIR" as you desire. Choosing "RECIRCULATED AIR" increases cooling efficiency.

Quick cooling (using recirculated air)
The control settings are the same as for normal cooling except you select "RECIRCULATED AIR" and the highest blower speed.

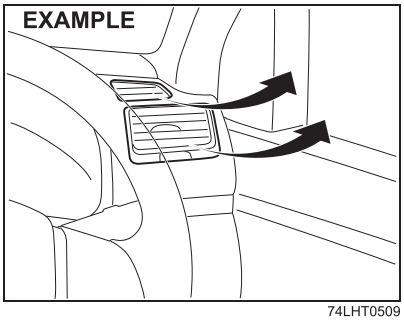
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NOTE:
- *If you select "RECIRCULATED AIR" for an extended period of time, the air in the vehicle can become contaminated. Therefore, you should occasionally select "FRESH AIR".*
- *If your vehicle has been left in the sun with the windows closed, it will cool faster if you open the windows briefly while you operate the air conditioner with the air intake selector at "FRESH AIR" and the blower at high speed.*

Dehumidifying

Set the air flow selector to a desired air flow selector position, the temperature selector to the desired temperature position and the blower speed selector to the desired blower speed position. Also select "FRESH AIR" and turn on the "A/C" switch.

NOTE:
Because the air conditioner dehumidifies the air, turning it on will help keep the windows clear, even when blowing heated air using the "DEFROST" or "HEAT & DEFROST" functions.



74LHT0509

NOTE:
If you need maximum defrosting:
- *select "DEFROST" and "FRESH AIR",*
- *turn on the "A/C" switch,*
- *set the blower speed selector to HIGH,*
- *adjust the temperature selector to the HOT end, and*
- *adjust the side outlets so the air blows on the side windows.*

Models with ENG A-STOP System (if equipped)
- If the air conditioning performance can no longer perform at a sufficient level due to automatically stopping the engine, press the "ENG A-STOP OFF" switch to deactivate the ENG A-STOP system. (The engine will automatically restart and the air conditioning performance will be restored.)
- If the windshield and/or the driver's side/passenger side door windows are fogged during automatically stopping the engine, stop the ENG A-STOP system and restart the engine. Then, turn the Air flow selector (3) to change the air flow to the "Heat & defrost" or "Defrost" position to defog the windows.

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Maintenance

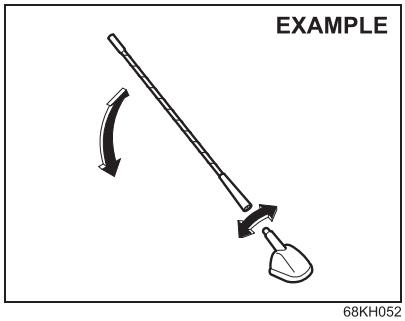
If you do not use the air conditioner for a long period, such as during winter, it may not give the best performance when you start using it again. To help maintain optimum performance and durability of your air conditioner, it needs to be run periodically. Operate the air conditioner at least once a month for one minute with the engine idling. This circulates the refrigerant and oil and helps protect the internal components.

If your air conditioner is equipped with air filters, clean or replace them as specified in the "Maintenance Schedule" in the "INSPECTION AND MAINTENANCE" section. Have this job done by your MARUTI SUZUKI dealer as the lower glove box must be lowered for this job.

NOTE:
Your vehicle uses the air conditioning refrigerant HFC-134a, commonly called "R-134a". R-134a replaced R-12 around 1993 for automotive applications. Other refrigerants are available, including recycled R-12, but only R-134a should be used in your vehicle.

NOTICE
Using the wrong refrigerant may damage your air conditioning system. Use R-134a only. Do not mix or replace the R-134a with other refrigerants.

Radio Antenna



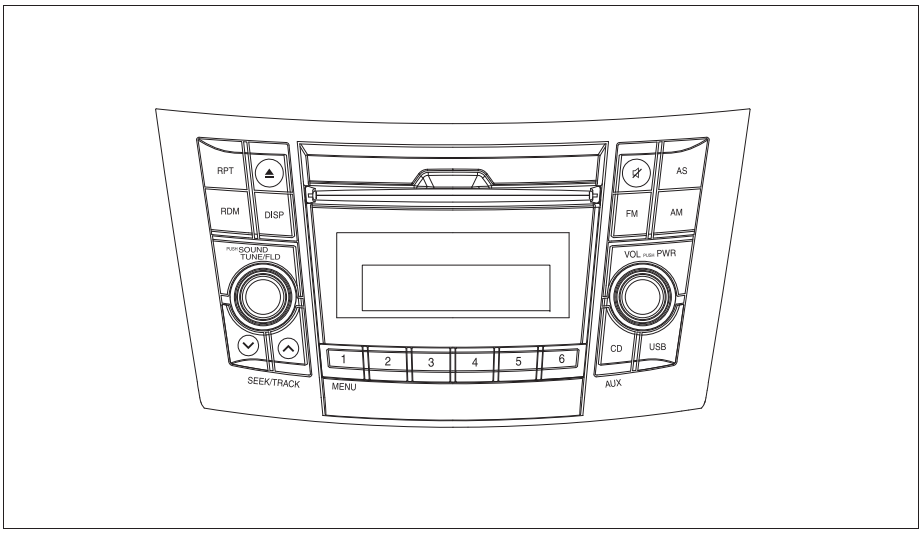
68KH052

The radio antenna on the roof is removable. To remove the antenna, turn it counterclockwise. To reinstall the antenna, turn it clockwise firmly by hand.

NOTICE
To avoid damage to the radio antenna: **• Remove the antenna when using an automatic car wash.** **• Remove the antenna when the antenna hits anything such as a low ceiling in a parking garage or putting a car cover over your vehicle.**

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Audio System (if equipped)



AM/FM CD PLAYER

NOTE: For vehicle equipped with SMARTPLAY INFOTAINMENT SYSTEM, refer to the audio manual available with the vehicle.

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Safety Information

⚠ WARNING

If you pay extended attention to operating the audio system or viewing the audio system display while driving, an accident can occur. If you set the sound volume too loud, it could prevent you from being aware of road and traffic conditions.

- **Keep your eyes on the road and your mind on the drive. Avoid paying extended attention to operating the audio system or viewing the audio system display.**
- **Familiarize yourself with the audio system controls and operation of the audio system before driving.**
- **Preset your favorite radio stations before driving so that you can quickly tune to them using the presets.**
- **Set the sound volume to a level that will allow you to continue to be aware of road and traffic conditions while driving.**

Notes on Discs

Precautions

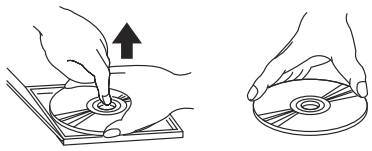
- When the inside of the vehicle is very cold and the player is used soon after switching on the heater, condensation may form on the disc or the optical parts of the player and proper playback may not be possible. If condensation forms on the disc, wipe it off with a soft cloth. If condensation forms on the optical parts of the player, do not use the player for about one hour. This will allow the condensation to disappear normally.
- Driving on extremely bumpy roads which cause severe vibrations may cause sound to skip.
- This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts. Please bring the unit to an authorized MARUTI SUZUKI dealer.

Cautions on Handling



This unit has been designed specifically for playback of compact discs bearing mark (A) shown above.
No other discs can be played.

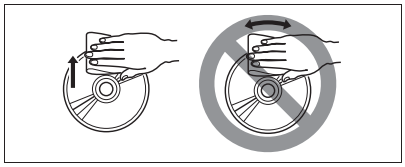
Removing the disc Proper way to hold



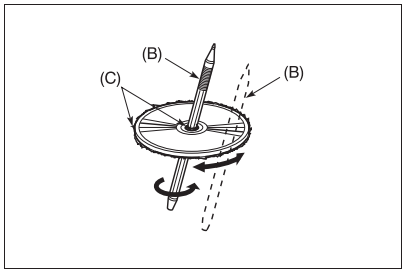
To remove the compact disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.

Always handle the compact disc by the edges.
Never touch the surface.

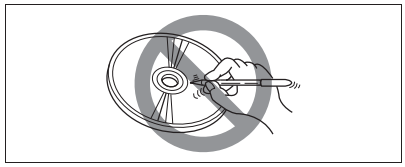
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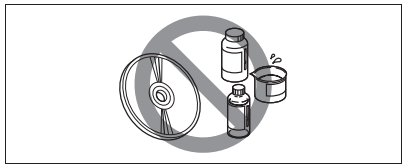
To remove finger marks and dust, use a soft cloth, and wipe in a straight line from the center of the compact disc to the circumference.



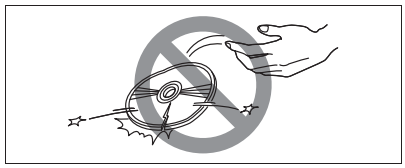
New discs may have some roughness around the edges. The unit may not work or the sound may skip if such discs are used. Use a ball-point pen (B), etc. to remove the roughness (C) from the edges of the disc before inserting it into the unit.



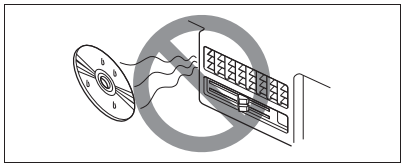
Never stick labels on the surface of the compact disc or write on the surface with a pencil or pen.



Do not use any solvents such as commercially available cleaners, anti-static spray, or thinner to clean compact discs.



Do not use compact discs that have large scratches, are misshaped, or cracked, etc. Use of such discs will cause damage or prevent the system from operating properly.



Do not expose compact discs to direct sunlight or any heat source.

NOTE:

- *Do not use commercially available CD protection sheets or discs equipped with stabilizers, etc.*
  These may get caught in the internal mechanism and damage the disc.
- *It may be impossible to play CD-R discs with this unit due to the recording conditions.*
- *CD-RW discs cannot be played with this unit.*

⚠ WARNING

This is a class I laser product. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
Do not open covers and do not attempt to repair this unit by yourself. Refer servicing to qualified personnel.

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Bluetooth®

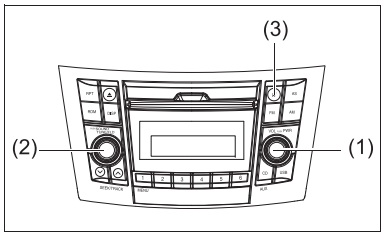
The Bluetooth® word mark and logo are registered trademarks and are owned by the Bluetooth SIG, Ink.

Stop using this unit and a Bluetooth® ready device whenever requested.

This unit shares the communication frequency with other private or public wireless communication equipment such as a wireless LAN and other wireless communication radios.

You should stop using this unit whenever you are notified that your unit disturbs other wireless communication immediately.

Basic Operations



(1) VOL PUSH POWER knob
(2) TUNE FOLDER PUSH SOUND knob
(3) MUTE button

Turning power on/off

Press the VOL PUSH POWER knob (1). The unit starts in the function mode it was in when the power was turned off last.

Adjusting the volume

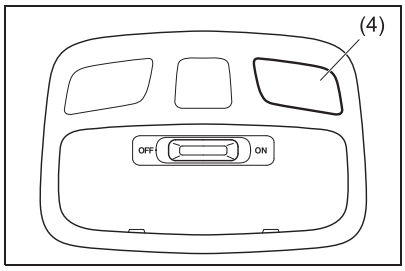
Turn the VOL PUSH POWER knob (1). Turning it clockwise increases the volume; turning it counterclockwise decreases the volume.

NOTE:
While driving, adjust the volume to an extent that sound and/or noise coming from outside the vehicle can be heard.

Mute

Press the MUTE button (3) to mute the sound. To cancel the mute, press the MUTE button (3) again.

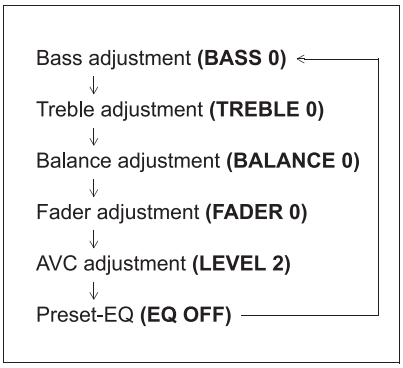
Bluetooth® microphone (4) (if equipped)



60MH128

Adjusting bass/treble/balance /fader

1) Press the TUNE FOLDER PUSH SOUND knob (2).
Each time the knob is pressed, sound adjustment will change as follows:



2) Turn the TUNE FOLDER PUSH SOUND knob (2) to adjust the sound.

Adjusting the AVC (Auto volume control)

The Auto Volume Control (AVC) function automatically adjusts (increases/decreases) the sound volume in accordance with vehicle speed. The AVC control is provided with three selectable levels (LEVEL OFF, 1, 2, 3). The range of volume

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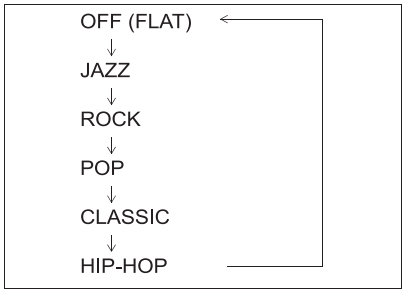
adjustment increases together with the LEVEL number.

1) Press the TUNE FOLDER PUSH SOUND knob (2) until the AVC adjustment mode is selected.
2) Turn the TUNE FOLDER PUSH SOUND knob (2) to select the desired AVC adjustment level. (Initial setting: LEVEL 2)

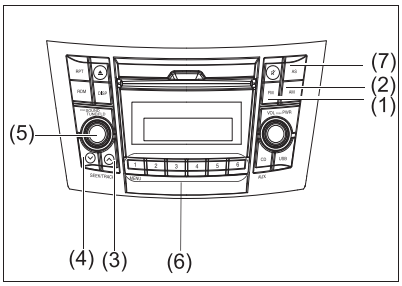
Preset-EQ

Preset-EQ calls up various sound types in accordance with the listening music type.

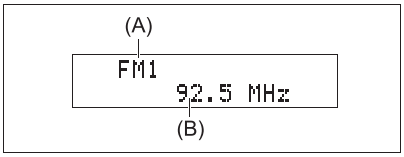
1) Press the TUNE FOLDER PUSH SOUND knob (2) several times until "PRESET-EQ" appears.
2) Turn the TUNE FOLDER PUSH SOUND knob (2).
   Each time the knob is turned, preset EQ mode will change as follows:



Listening to the Radio



Display

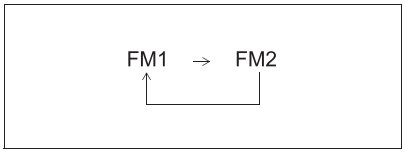


(1) FM button
(2) AM button
(3) Up button
(4) Down button
(5) TUNE FOLDER PUSH SOUND knob
(6) Preset buttons ([1] to [6])
(7) AST button

(A) Band
(B) Frequency

Selecting the FM band

Press the FM button (1).
Each time the button is pressed, the reception band will change as follows:



Selecting the AM band

Press the AM button (2).

Seek tuning

Press the seek Up button (3) or the seek Down button (4).
The unit stops searching for a station at a frequency where a broadcast station is available.

Manual tuning

Turn the TUNE FOLDER PUSH SOUND knob (5).
The frequency being received is displayed.

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Preset memory

1) Select the desired station.
2) Hold down a desired button ([1] to [6]) of the Preset buttons (6) to which you want to store the station for 2 seconds or longer.

Auto store

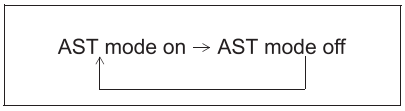
Hold down the AST button (7) for 2 seconds or longer.
Six stations in good reception will automatically be stored to the Preset buttons (6) in order, starting from a station whose frequency is the lowest.

NOTE:

- *Auto store can be released by pressing AST button (7) while auto store is under way.*
- *When the auto store is performed, the station previously stored in the memory at the position is overwritten.*
- *When there are fewer than 6 stations that can be stored even if 1 round of auto store operation is performed, no station will be stored at the remaining Preset buttons (6).*
- *6 stations can be preset for FM1 and FM2 in common, and 6 stations for AM in auto store mode.*

Auto store mode on/off

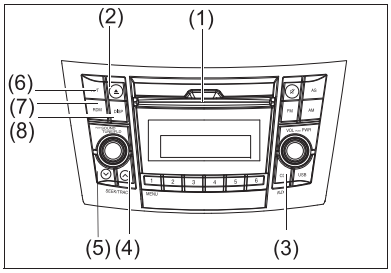
Press the AST button (7).
Each time the button is pressed, the mode is switched as follows:



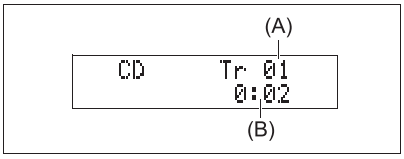
Radio Reception

Radio reception can be affected by environment, atmospheric conditions, or radio signal's power and distance from the station. Nearby mountains and buildings may interfere or deflect radio reception, causing poor reception. Poor reception or radio static can also be caused by electric current from overhead wires or high voltage power lines.

Listening to a CD



Display



(1) Insertion slot
(2) Eject button
(3) CD button
(4) Up button
(5) Down button
(6) RPT button
(7) RDM button
(8) DISP button

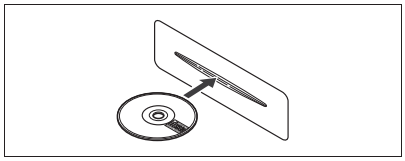
(A) Track number
(B) Play time

NOTE:
This product does not support 8 cm CD (sometimes called as "mini single CD", "3-inch CD", "CD3", etc.).



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- CDs or CD-ROMs carrying no mark (A) cannot be used.
- Some discs recorded in CD-R/CD-RW format may sometimes be impossible to use.



- A CD is to be inserted with its label side up.
- When there is a CD already in the unit, it is impossible to insert another CD without ejecting the CD in the unit. Do not use force to insert a CD into the CD insertion slot.

NOTICE

- **Never insert your finger or hand into the CD insertion slot. Never insert foreign objects.**
- **Never insert a CD with glue coming out from adhesive tape or a rental CD label or with a trace indicating that adhesive tape or a rental CD label has been removed. This may cause the CD not to eject or result in a malfunction.**

Loading a CD

Insert a CD in the Insertion slot (1).
When a CD is loaded, play starts.

Ejecting a CD

Press the Eject button (2).
When the ignition switch is in the "LOCK" position or the ignition mode is "LOCK" (OFF), the CD remained ejected for around 15 seconds or longer will automatically be drawn inside the unit. (Auto reload function)
The backup eject function:
This function allows you to eject a CD by pressing the Eject button (2) even when the ignition switch is in the "LOCK" position or the ignition mode is "LOCK".

NOTICE

If you forcefully try to push an ejected CD inside the unit before auto reloading, the disc surface might be scratched.
When reloading a CD, remove it from the unit completely before reloading.

Listening to a CD

When a CD is inserted, playback will automatically start.
When a CD is already inside the unit, press the CD button (3) to start playback.

Selecting a track

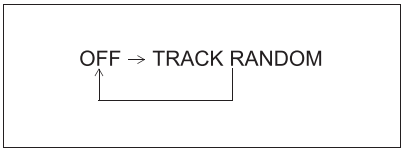
- Press the Up button (4) to listen to the next track.
- Press the Down button (5) twice to listen to the previous track.
  When the Down button (5) is pressed once, the track currently being played will start from the beginning again.

Fast forwarding/Rewinding a track

- Hold down the Up button (4) to fast forward the track.
- Hold down the Down button (5) to fast rewind the track.

Random playback

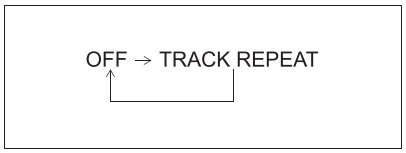
Press the RDM button (7).
Each time the button is pressed, the mode will change as follows:



- TRACK RANDOM
  The random indicator "RDM" will light.
  The tracks in the loaded disc will be played in random order.

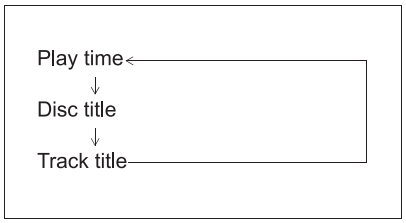
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Repeat playback
Press the RPT button (6).
Each time the button is pressed, the mode will change as follows:



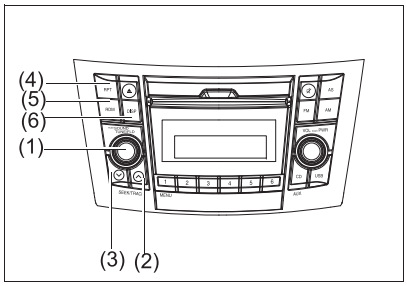
- TRACK REPEAT
  The repeat indicator “RPT” will light.
  The track currently being played will be played repeatedly.

Display change
Press the DISP button (8).
Each time the button is pressed, display will change as follows:

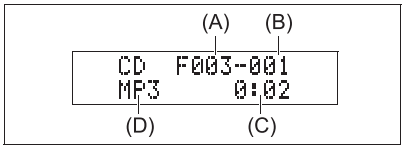


NOTE:
- *“NO TITLE” will be displayed when there is no text information in the disc currently being played.*
- *If text data contains more than 15 characters, the “>” mark will appear at the right end. Holding down the DISP button (8) for 1 second or longer can display the next page.*

Listening to an MP3/WMA/AAC Disc



Display



(1) TUNE FOLDER PUSH SOUND knob
(2) Up button
(3) Down button
(4) RPT button
(5) RDM button
(6) DISP button

(A) Folder number
(B) Track number
(C) Play time
(D) DISC type

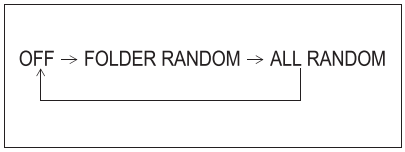
Selecting a folder
Turn the TUNE FOLDER PUSH SOUND knob (1) to select a folder.

Selecting a track
- Press the Up button (2) to listen to the next track.
- Press the Down button (3) twice to listen to the previous track.
  When the Down button (3) is pressed once, the track currently being played will start from the beginning again.

Fast forwarding/Rewinding a track
- Hold down the Up button (2) to fast forward the track.
- Hold down the Down button (3) to fast rewind the track.

Random playback
Press the RDM button (5).
Each time the button is pressed, the mode will change as follows:

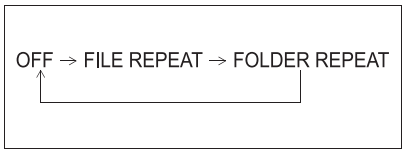
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- FOLDER RANDOM
  The random indicator “F.RDM” will light.
  The tracks in the current folder will be played in random order.
- ALL RANDOM
  The random indicator “RDM” will light.
  The tracks in the loaded disc will be played in random order.

Repeat playback

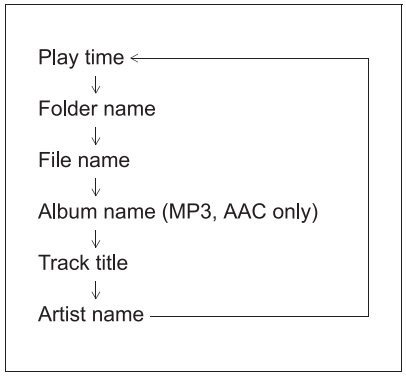
Press the RPT button (4).
Each time the button is pressed, the mode will change as follows:



- FILE REPEAT
  The repeat indicator “RPT” will light.
  The track currently being played will be played repeatedly.
- FOLDER REPEAT
  The repeat indicator “F.RPT” will light.
  All tracks in the currently selected folder will be played repeatedly.

Display change

Press the DISP button (6).
Each time the button is pressed, display will change as follows:



NOTE:

- *“NO TITLE” will be displayed when there is no text information in the disc currently being played.*
- *If text data contains more than 15 characters, the “>” mark will appear at the right end. Holding down the DISP button (6) for 1 second or longer can display the next page.*

Notes on MP3/WMA/AAC

What is MP3?

MP3 (MPEG audio layer3) is an audio compression format that has become the standard format among PC users. Its merit is that the original audio data is compressed to approximately 1/10 and high sound quality is maintained. This means that it is possible to store the data of approximately 10 music CDs on a single CD-R/RW disc, which in turn makes it possible to play music for a long time without having to change the disc.

What is WMA?

- An abbreviation of “Windows Media Audio,” WMA is an audio compression format developed by Microsoft.
- WMA files for which the DRM (Digital Rights Management) function is ON cannot be played.
- Windows Media™ and the Windows® logo are trademarks or registered trademarks of Microsoft Corporation in the United States and other countries.

What is AAC?

An abbreviation of “Advanced Audio Coding,” AAC is an audio compression format used by MPEG2 and MPEG4.

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Points to remember when making MP3/WMA/AAC files

- High bit rate and high sampling frequency are recommended for high quality sounds.
- Selecting VBR (Variable Bit Rate) is not recommended. Selecting VBR may cause display of incorrect playing time and jumpiness of playback.
- Playback sound quality varies depending on the encoding environment. For details, refer to the user manual of the encoding software and the writing software in use.

NOTICE
Never assign the ".mp3", ".wma", or ".m4a" file name extension to a file if it is not in the MP3/WMA/AAC format file. Failure to observe this may result in damage to the speaker due to noise production.

Recording MP3/WMA/AAC files on a CD media

- It is recommended not to write both CD-DA files and MP3/WMA/AAC files on a disc.
- If both CD-DA files and MP3/WMA/AAC files are on the same disc, tracks may not be played in the correct order or some tracks may not be played at all.
- When storing both MP3 data and WMA data on the same disc, sort and place them in different folders.
- Do not write files other than MP3/WMA/AAC files and unnecessary folders on a disc.
- MP3/WMA/AAC files should be named to meet the standards and the file system specifications as shown below.
- The file extension ".mp3", ".wma" or ".m4a" should be assigned to files based on their format independently.
- You may encounter a trouble in playing MP3/WMA/AAC files or displaying information of MP3/WMA/AAC files depending on the writing software or CD recorder in use.
- This unit does not have a play list function.
- It is recommended to write discs in Disc-at-Once mode even though Multi-session mode is supported.

Compression formats

MP3

- Bit rate:
  MPEG1 Audio Layer III: 32 k - 320 kbps
  MPEG2 Audio Layer III: 8 k - 160 kbps
  MPEG2.5 Audio Layer III: 8 k - 160 kbps
- Sampling frequency:
  MPEG1 Audio Layer III: 32 k/44.1 k/48 kHz
  MPEG2 Audio Layer III: 16 k/22.05 k/24 kHz
  MPEG2.5 Audio Layer III: 8 k/11.025 k/12 kHz

WMA (Ver. 7, Ver. 8, Ver. 9*)

- Bit rate: CBR 32 k - 320 kbps
- Sampling frequency: 32 k/44.1 k/48 kHz

* WMA 9 Professional/LossLess/Voice are not supported.

AAC*

- Bit rate: ABR 16k - 320 kbbs
- Sampling frequency: 32 k/44.1 k/48 kHz

* Apple Lossless is not supported.

Supported file systems

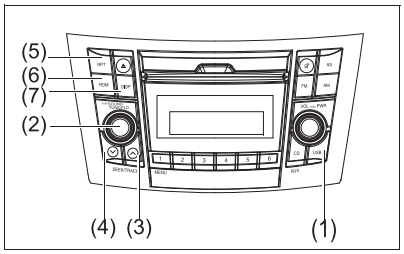
ISO 9660 Level 1/Level 2, Joliet, Romeo

Maximum number of files/folders

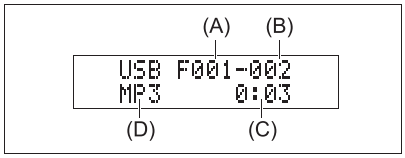
- Maximum number of files: 512
- Maximum number of files in a folder: 255
- Maximum depth of tree structure: 8
- Maximum number of folders: 255 (Root folder is included.)

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Listening to files stored in a USB device



Display



(1) USB button
(2) TUNE FOLDER PUSH SOUND knob
(3) Up button
(4) Down button
(5) RPT button
(6) RDM button
(7) DISP button

(A) Folder number
(B) Track number
(C) Play time
(D) File type

NOTICE

Do not connect any USB device other than a USB memory or a USB audio player. Do not connect multiple USB devices to the USB connector using a USB hub, etc. Supplying power to multiple USB devices from the connector could cause overheating and smoking.

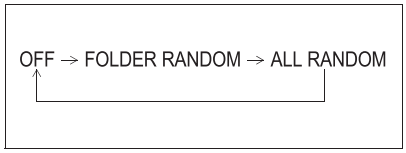
Selecting a USB device mode
Press the USB button (1).

Selecting a folder
Turn the TUNE FOLDER PUSH SOUND knob (2) to select the desired folder.

Selecting a track
- Press the Up button (3) to listen to the next track.
- Press the Down button (4) twice to listen to the previous track.
  When the Down button (4) is pressed once, the track currently being played will start from the beginning again.

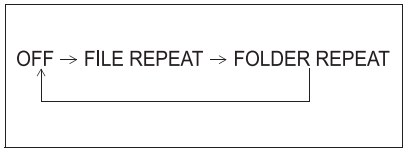
Fast forwarding/Rewinding a track
- Hold down the Up button (3) to fast forward the track.
- Hold down the Down button (4) to fast rewind the track.

Random playback
Press the RDM button (6).
Each time the button is pressed, the mode will change as follows:



- FOLDER RANDOM
  The random indicator “F.RDM” will light.
  The tracks in the currently selected folder will be played in random order.
- ALL RANDOM
  The random indicator “RDM” will light.
  The tracks in the connected USB device will be played in random order.

Repeat playback
Press the RPT button (5).
Each time the button is pressed, the mode will change as follows:



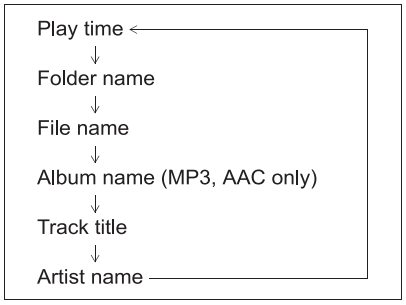
- FILE REPEAT

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The repeat indicator “RPT” will light.
The track currently being played will be played repeatedly.

- FOLDER REPEAT
  The repeat indicator “F.RPT” will light.
  All the tracks in the folder currently selected will be played repeatedly.

Display change
Press the DISP button (7).
Each time the button is pressed, display will change as follows:



NOTE:
- *“NO TITLE” will be displayed when there is no text information in the file currently being played.*
- *If text data contains more than 15 characters, the “>” mark will appear at the right end. Holding down the DISP button (7) for 1 second or longer can display the*

next page.

Notes on USB device

Compatible USB devices
- USB Mass Storage Class
  For details as to whether your USB memory/USB Audio is compatible with USB Mass Storage Class, please contact the USB memory/USB Audio manufacturer.
- USB Standard Compatibility 1.1/2.0 Full Speed
- File System FAT12/16/32, VFAT
- Maximum current less than 1.0 A
- If devices such as USB hub, extension cable are connected to the audio system, it may not be recognized. In such case connect the USB device directly to the audio system.
- Devices such as MP3 player/Mobile phone/digital camera may not be recognized by the audio system for playing music.

USB device connection
- When connecting a USB device, make sure that the connector is pushed all the way into the port.
- Do not leave the USB device for long periods of time in places inside the vehicle where the temperature can rise too high.
- Back up any important data beforehand. We cannot accept responsibility for any lost data.
- It is recommended not to connect a USB device that contains data files other than MP3/WMA/AAC format.

Recording MP3/WMA/AAC files on a USB device
- Playback or display may not be possible depending on the type of USB device in use or the condition of the recording.
- Depending on the connected USB memory, the files may be played in different order from the order that the files were stored.

Compression formats
MP3
- Bit rate:
  MPEG1 Audio Layer III: 32 k - 320 kbps
  MPEG2 Audio Layer III: 8 k - 160 kbps
  MPEG2.5 Audio Layer III: 8 k - 160 kbps
- Sampling frequency:
  MPEG1 Audio Layer III: 32 k/44.1 k/48 kHz
  MPEG2 Audio Layer III: 16 k/22.05 k/24 kHz
  MPEG2.5 Audio Layer III: 8 k/11.025 k/12 kHz

WMA (Ver. 7, Ver. 8, Ver. 9*)
- Bit rate: CBR 32 k -320 kbps
- Sampling frequency: 32 k/44.1 k/48 kHz

* WMA 9 Professional/LossLess/Voice are not supported.

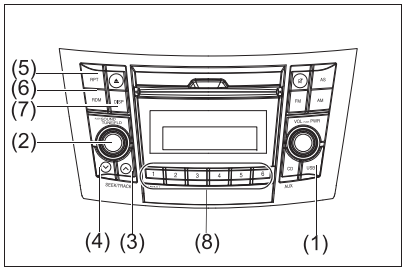
AAC*
- Bit rate: ABR 16k - 320 kbbs
- Sampling frequency: 32 k/44.1 k/48 kHz

* Apple Lossless is not supported.

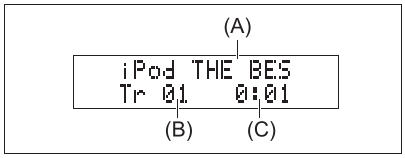
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Maximum number of files/folders
- Maximum number of files: 2500
- Maximum number of files in a folder: 255
- Maximum depth of tree structure: 8
- Maximum number of folders: 255 (Root folder is included.)

Listening to an iPod®



Display



(1) USB button
(2) TUNE FOLDER PUSH SOUND knob
(3) Up button
(4) Down button
(5) RPT button
(6) RDM button
(7) DISP button
(8) Preset buttons ([1] to [6])

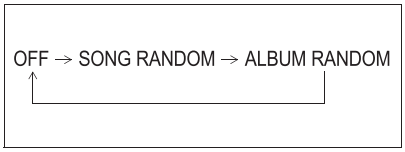
(A) Track title
(B) Track number
(C) Play time

Selecting an iPod® mode
Press the USB button (1).

Selecting a track
- Press the Up button (3) to listen to the next track.
- Press the Down button (4) twice to listen to the previous track.
  When the Down button (4) is pressed once, the track currently being played will start from the beginning again.

Fast forwarding/Rewinding a track
- Hold down the Up button (3) to fast forward the track.
- Hold down the Down button (4) to fast rewind the track.

Random playback
Press the RDM button (6).
Each time the button is pressed, the mode will change as follows:



- SONG RANDOM
  The random indicator “RDM” will light.
  The tracks in the iPod® will be played in random order.
- ALBUM RANDOM
  The random indicator “F.RDM” will light.
  The albums in the iPod® will be played in random order.

Repeat playback
Press the RPT button (5).
Each time the button is pressed, the mode will change as follows:



- SONG REPEAT
  The repeat indicator “RPT” will light.
  The track currently being played will be played repeatedly.

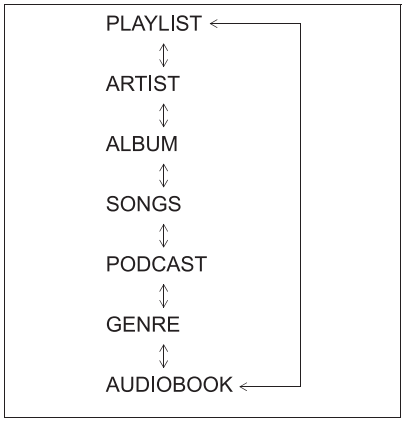
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Display change
Press the DISP button (7).
Each time the button is pressed, display will change as follows:



NOTE:
If text data contains more than 15 characters, the ">" mark will appear at the right end. Holding down the DISP button (7) for 1 second or longer can display the next page.

Playing Mode selection
1) Press the button numbered [6] of the Preset buttons (8) for 1 second or longer.
2) Turn the TUNE FOLDER PUSH SOUND knob (2).
   Each time the knob is turned, the mode will change as follows:



3) Press the TUNE FOLDER PUSH SOUND knob (2) to select the desired mode.

NOTE:
- *When the button numbered [6] of the Preset buttons (8) is pressed, the previous mode will be displayed.*

Notes on iPod®

Supported iPod®
- iPod® touch (5th generation)
- iPod® touch (4th generation)
- iPod® touch (3rd generation)
- iPod® touch (2nd generation)
- iPod® touch (1st generation)
- iPod® classic
- iPod® nano (7th generation)
- iPod® nano (6th generation)
- iPod® nano (5th generation)
- iPod® nano (4th generation)
- iPod® nano (3rd generation)
- iPod® nano (2nd generation)
- iPod® nano (1st generation)
- iPod® (5th generation)
- iPhone® 6 Plus
- iPhone® 6
- iPhone® 5S
- iPhone® 5
- iPhone® 4S
- iPhone® 4
- iPhone® 3GS
- iPhone® 3G
- iPhone®

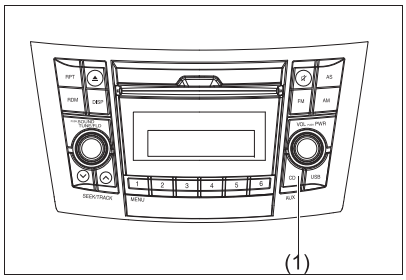
* Some functions may not be available depending on the model of iPod®.
* iPod® is a trademark of Apple Inc., registered in the U.S. and other countries.
* iPhone® is a trademark of Apple Inc., registered in the U.S. and other countries.
* Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

iPod® connection
- Make sure to detach the iPod® after turning the ignition switch to the "LOCK" position or pressing the engine switch to change the ignition mode to

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"LOCK" (OFF). The iPod® may not be shut down when it is being connected and may result in battery depletion.
- Please do not connect iPod® accessories such as an iPod® remote control or headphones while connecting the iPod® with the unit. The unit may not operate correctly.

AUX Function

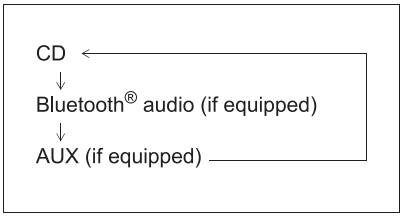


(1) AUX (CD) button

AUX connection

To listen to auxiliary audio sources (sold separately) through the unit, follow the instruction below.

1) Connect the auxiliary audio source to the AUX/USB socket (separately attached) with an AUX cable.
2) Press the AUX (CD) button (1).
   Each time the button is pressed, the mode will change as follows:



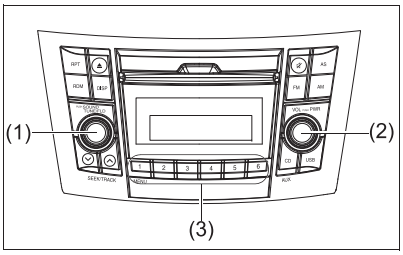
⚠ CAUTION

- **Before connection, mute the unit, and also keep the volume of the auxiliary audio source within a range that will not cause distortion.**
- **When the audio source is turned off, noise may be emitted. Be sure to turn off the unit or switch to another mode before turning off the audio source.**

NOTE:

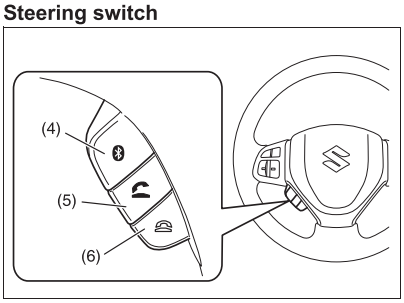
- *Please consult your place of purchase for details about whether a given auxiliary audio source can be connected and the proper auxiliary cord to use.*
- *The volume and tone controls of the auxiliary audio source can be adjusted on the unit.*
- *In AUX mode, the volume setting is different from another mode.*

Bluetooth® Hands-Free (if equipped)

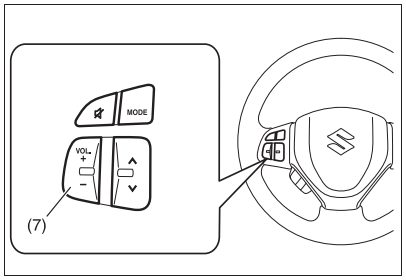


(1) TUNE FOLDER PUSH SOUND knob
(2) VOL PUSH POWER knob
(3) Preset buttons

Steering switch



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(4) Bluetooth® setup button
(5) Off Hook button
(6) On Hook button
(7) VOL switch

Phone registration

To use the hands-free function with this unit, it is required to register the phone in advance.

NOTE:
- *Up to 5 phones can be registered.*
- *To set up a new phone, disconnect the audio player from the unit. Connect the audio player again after phone setup is completed if necessary.*
- *When failed to establish the pairing within 120 seconds, the connecting operation will be canceled. Please try again or refer to the manual of the phone in use for how to establish the pairing with the phone.*
- *Bluetooth®/Telephone setup mode can be entered only during vehicle is stationary speed less than ~ 8 kmph)*

1) Press the Bluetooth® setup button (4). The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Bluetooth”, and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Pairing”, and press the knob (1) to determine the selection.
4) Select “CAR AUDIO” from the Bluetooth® menu of the phone and establish the pairing. Refer to the manual of the phone in use for further information.
5) Enter the Passkey displayed on the unit to the phone.
6) Press the On Hook button (6).

NOTE:
- *When selecting “Go Back”, the previous menu will be displayed.*
- *When additionally registering a phone, operate the same step from 1).*

Receiving a call
Press the Off Hook button (5) to receive a call.

Ending a call
Press the On Hook button (6) to end a call.

Rejecting a call (only for supported models)
Press the On Hook button (6) to reject a incoming call.

Adjusting the listening volume
- Turn the VOL PUSH POWER knob (2) during a call. Turning it clockwise increases the volume; turning it counterclockwise decreases the volume.
- Press the VOL switch (7) during a call. Pressing “+” of the switch increases the volume, pressing “-” of the switch decreases the volume.

Adjusting the ring volume
- Turn the VOL PUSH POWER knob (2) while a call coming in. Turning it clockwise increases the volume; turning it counterclockwise decreases the volume.
- Press the VOL switch (7) during a call. Pressing “+” of the switch increases the volume, pressing “-” of the switch decreases the volume.

Adjusting the call or ringtone volume
Follow the instructions below to adjust the call or ringtone volume.
1) Press the Bluetooth® setup button (4). The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Telephone”, and press the knob (1) to determine the selection.

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3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Sound Setting”, and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Call Volume” or “Ringtone Volume”, and press the knob (1) to determine the selection.
   The current call or ringtone volume will be displayed.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select desired call or ringtone volume, and press the knob (1) to determine the selection.

NOTE:
When selecting “Go Back”, the previous menu will be displayed.

Selecting the Ringtone
Follow the instructions below to select a ringtone.
1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Telephone”, and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Sound Setting”, and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Ringtone”, and press the knob (1) to determine the selection.
   The current ringtone will be sounded.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select desired ringtone, and press the knob (1) to determine the selection.

NOTE:
When selecting “Go Back”, the previous menu will be displayed.

Dialing using Missed/Incoming/ Outgoing Calls
Follow the instructions below to dial to the last dialed number again.

NOTE:
Up to 10 phone numbers of the latest calls can be stored. (10 each for dialed, received and missed call)

1) Press the Off Hook button (5).
   The Bluetooth® phonebook menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Missed Calls”, “Incoming Calls” or “Outgoing Calls”, and press the knob (1) to determine the selection.
   To dial from the dialed history or the received history, select “Missed Calls”, “Incoming Calls” or “Outgoing Calls” respectively.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select the desired number, and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Dial”, and press the knob (1) or the Off Hook button (5) to dial to the selected number.

NOTE:
- *When selecting “Go Back”, the previous menu will be displayed.*
- *Pressing “Confirm” after selecting “Add Speed Dial” can register the selected number in the speed dial.*
- *Pressing “Confirm” after selecting “Delete” can delete the selected number from the call history.*

Deletion of call history
Follow the instructions below to delete a missed/incoming/outgoing call history.
1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Telephone”, and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Phonebook”, and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Delete History”, and press the knob (1) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Missed Calls”, “Incoming Calls”, or “Outgoing

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Calls", and press the knob (1) to determine the selection.
6) Turn the TUNE FOLDER PUSH SOUND knob (1) to select a number to be deleted or "ALL", and press the knob (1) to determine the selection.
7) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Delete?" or "Delete All?", and press the knob (1) to determine the selection.
8) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Confirm", and press the knob (1) to complete the deletion.

NOTE:
When selecting "Go Back", the previous menu will be displayed.

Registration in Phonebook
Registration of numbers in the phonebook. Follow the instructions below to register phone numbers in the Phonebook of the unit.
1) Press the Bluetooth® setup button (4). The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Setup Telephone", and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Setup Phonebook", and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Add Contacts", and press the knob (1) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Overwrite All" or "Add One Contact", and press the knob (1) to determine the selection. The "Rest of Memory XXXX: Ok?" will be displayed.
6) Press or turn the TUNE FOLDER PUSH SOUND knob (1) to select "Confirm", and press the knob (1) to determine the selection.
7) Transfer contacts from the phone. When the registration is completed, the "Setup Phonebook" will be displayed.

NOTE:
- *When selecting "Go Back" the previous menu will be displayed.*
- *Up to 1000 numbers can be registered in Phonebook.*

Transfer of call history (Call History)
Follow the instructions below to transfer call history of the registered phone.
1) Press the Bluetooth® setup button (4). The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Setup Telephone", and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Call History", and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Call History?", and press the knob (1) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Confirm", and press the knob (1) to transfer the call history from the phone.

NOTE:
When selecting "Go Back", the previous menu will be displayed.

Making a call by Phonebook
Follow the instructions below to dial a number registered in Phonebook.
1) Press the Off Hook button (5). The Bluetooth® phonebook menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Phonebook", and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select the initial of the name you would like to make a call, and press the knob (1) to determine the selection. The registered numbers will be displayed in sequence. If names have been registered together with numbers, the names will be displayed.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Dial", and press the knob (1) to determine the selection.

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5) Press the Off Hook button (5).
   The displayed number or the number registered with the displayed name will be dialed.

Deletion of registered data (Delete Entry)

Follow the instructions below to delete a number registered in Phonebook.

1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Telephone”, and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Phonebook”, and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Delete Contacts”, and press the knob (1) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select a number to be deleted, and press the knob (1) to determine the selection.
6) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Delete?”, and press the knob (1) to determine the selection.
7) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Confirm”, and press the knob (1) to complete the deletion.

NOTE:
When selecting “Go Back”, the previous menu will be displayed.

Registration in speed dial

Follow the instructions below to assign a number to one of the Preset buttons to use as the speed dial.

1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Telephone”, and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Phonebook”, and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Add Speed Dial”, and press the knob (1) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select a number to be assigned, and press the knob (1) to determine the selection.
6) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Choose Preset”, and press the knob (1) to determine the selection.
7) Press one of the Preset buttons (3) to which the selected number is to be assigned. If a number is already assigned to the selected button, a confirmation message will be displayed.
   Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Confirm”, and press the knob (1) to complete the assignment.
   When the assignment is completed, the “Setup Phonebook” will be displayed.

NOTE:
When selecting “Go Back”, the previous menu will be displayed.

One-touch call (Speed dial)

Follow the instructions below to dial the number assigned to each of the Preset buttons (3).

1) Press the Off Hook button (5).
   The Bluetooth® phonebook menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Speed Dials”, and press the knob (1) to determine the selection.
3) Press one of the Preset buttons (3).
   When no number is assigned, “No Entry” is displayed.
4) Press the Off Hook button (5).
   The selected number will be dialed.

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Deletion of speed dial (Del Speed Dial)
To delete a number assigned for the speed dial, follow the instructions below.
1) Press the Off Hook button (5).
   The Bluetooth® phonebook menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Speed Dials", and press the knob (1) to determine the selection.
3) Press one of the Preset buttons (3) to which the number to be deleted is assigned.
   "No Entry" appears if the number is not registered.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Delete", and press the knob (1) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Del Speed Dial", and press the knob (1) to determine the selection.
6) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Confirm", and press the knob (1) to complete the deletion.

NOTE:
When selecting "Go Back", the previous menu will be displayed.

Display of device data (Device Name)
Follow the instructions below to display the BD (Bluetooth® Device) address and device name.
1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Setup Bluetooth", and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Bluetooth Info", and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Device Name" or "Device Address", and press the knob (1) to display the device name or the BD (Bluetooth® Device) address.

NOTE:
When selecting "Go Back", the previous menu will be displayed.

Reset to the factory defaults
Follow the instructions below to reset all the settings to the factory defaults.
1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Setup Bluetooth", and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Initialize", and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "All Initialize", and press the knob (1) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Confirm", and press the knob (1) to start the reset.

NOTE:
When selecting "Go Back", the previous menu will be displayed.

Selection of phone (Select Phone)
Follow the instructions below to select a phone to be paired with from the registered phones.
1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Setup Bluetooth", and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "List Phone", and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select a phone to be paired with, and press the knob (1) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Select", and press the knob (1) to determine the selection.

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NOTE:
- *When selecting "Go Back", the previous menu will be displayed.*
- *The Bluetooth® ready audio device will be disconnected when the phone is selected.*

List of phones (List Phones)
Follow the instructions below to display the names of the registered phones in sequence.
1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Setup Bluetooth", and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "List Phone", and press the knob (1) to determine the selection.
   The names of the registered phones are displayed in sequence.

NOTE:
When selecting "Go Back", the previous menu will be displayed.

Passkey setting (Set Passkey)
Follow the instructions below to set the security number (Passkey).
1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Setup Bluetooth", and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Passkey", and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "New Passkey", and press the knob (1) to determine the selection.
5) Press or turn the TUNE FOLDER PUSH SOUND knob (1) to select "Confirm".
6) Turn the TUNE FOLDER PUSH SOUND knob (1) to select a number for the first digit, and press the knob (1) to determine the selection. Select and determine numbers for the second, third and fourth digits in order in the same manner. When not entering up to the eighth digit, enter blanks for the successive digits.
7) Turn the TUNE FOLDER PUSH SOUND knob (1) to determine the passkey setting.

NOTE:
When selecting "Go Back", the previous menu will be displayed.

Deletion of phone information (Delete Phone)
Follow the instructions below to delete the registered information of the phone.
1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Setup Bluetooth", and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "List Phone", and press the knob (1) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (1) to select a phone to be deleted, and press the knob (1) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Delete", and press the knob (1) to determine the selection.
6) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Delete?", and press the knob (1) to determine the selection.
7) Turn the TUNE FOLDER PUSH SOUND knob (1) to select "Confirm", and press the knob (1) to determine the selection.

NOTE:
When selecting "Go Back", the previous menu will be displayed.

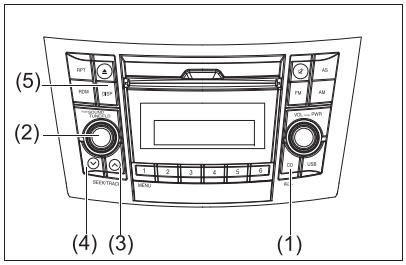
BT function on/off (BT Power)
Follow the instructions below to turn on/off the Bluetooth® function.
1) Press the Bluetooth® setup button (4).
   The Bluetooth® setup menu will be displayed.

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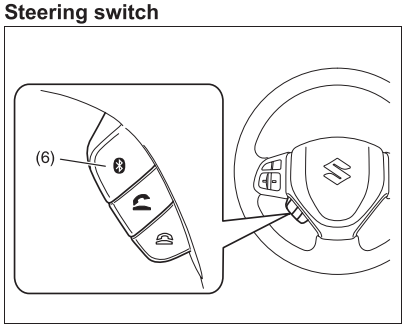
2) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “Setup Bluetooth”, and press the knob (1) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (1) to select “BT Power”, and press the knob (1) to determine the selection.
4) Press the TUNE FOLDER PUSH SOUND knob (1) to select “BT Power On” or “BT Power Off”.

NOTE:
- *When the BT function is turned off, the connection between this unit and the registered phone in use will be disconnected.*
- *When selecting “Go Back”, the previous menu will be displayed.*

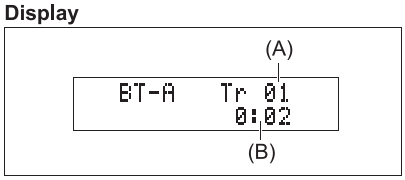
Bluetooth® audio (if equipped)



Steering switch



Display



(1) CD button
(2) TUNE FOLDER PUSH SOUND knob
(3) Up button
(4) Down button
(5) DISP button
(6) Bluetooth® setup button

(A) Track number
(B) Play time

NOTE:
Applicable for Bluetooth® audio version 2.1 and above.

Registration of audio devices

To use Bluetooth® ready audio devices with this unit, it is required to register the devices.

NOTE:
- *To set up a new audio player, disconnect the phone from the unit. Connect the phone after audio player setup is completed if necessary.*
- *When failed to establish the connection within 120 seconds, the connecting operation will be canceled. Please try again or refer to the audio player manual for assistance with the pairing process.*
- *A separate audio mobile device can be selected for Bluetooth® audio, even if a phone is already connected to the hands free profile.*

1) Press the Bluetooth® setup button (6). The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “Setup Bluetooth”, and press the knob (2) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “Pairing”, and press the knob (2) to determine the selection.
4) Select “CAR AUDIO” from the Bluetooth® menu of the audio player and establish the pairing.

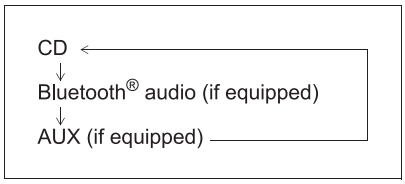
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Refer to the manual of the audio player in use for further information.

5) Enter the Passkey displayed on the unit to the audio player. (For phones with Bluetooth® version 2.1 or above passkey input is not required)

NOTE:
- *When selecting "Go Back", the previous menu will be displayed.*
- *When additionally registering audio devices, operate the same step from 1).*

Selecting the Bluetooth® audio mode
Press the CD button (1).
Each time the button is pressed, the mode will change as follows:



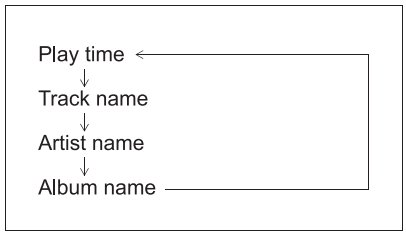
Selecting a group (only for supported models)
Turn the TUNE FOLDER PUSH SOUND knob (2) to select a group.

Selecting a track
- Press the Up button (3) to listen to the next track.
- Press the Down button (4) twice to listen to the previous track.
  When the Down button (4) is pressed once, the track currently being played will start from the beginning again.

Fast forwarding/Rewinding a track
- Hold down the Up button (3) to fast forward the track.
- Hold down the Down button (4) to fast rewind the track.

NOTE:
Some functions may not be available depending on Bluetooth® audio.

Display change
Press the DISP button (5).
Each time the button is pressed, display will change as follows:



NOTE:
If text data contains more than 15 characters, the ">" mark will appear at the right end. Holding down the DISP button (5) for 1 second or longer can display the next page.

Selection of audio device (Select Audio)
Follow the instructions below to select an audio device to be paired with from the registered audio devices.

1) Press the Bluetooth® setup button (6). The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (2) to select "Setup Bluetooth", and press the knob (2) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (2) to select "List Audio", and press the knob (2) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (2) to select an audio device to be used, and press the knob (2) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (2) to select "Select", and press the knob (2) to determine the selection.
6) Turn the TUNE FOLDER PUSH SOUND knob (2) to select "Confirm", and press the knob (2) to complete the pairing.

NOTE:
- *When selecting "Go Back", the previous menu will be displayed.*
- *The phone will be disconnected when the Bluetooth® ready audio device is selected.*

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List of audio devices (List Audio)
Follow the instructions below to display the names of the registered audio devices in sequence.
1) Press the Bluetooth® setup button (6). The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “Setup Bluetooth”, and press the knob (2) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “List Audio”, and press the knob (2) to determine the selection. The names of registered audio devices will be displayed in sequence.

NOTE:
When selecting “Go Back”, the previous menu will be displayed.

Passkey setting (Set Passkey)
Follow the instructions below to set the security number (Passkey).
1) Press the Bluetooth® setup button (6). The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “Setup Bluetooth”, and press the knob (2) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “Passkey”, and press the knob (2) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “New Passkey”, and press the knob (2) to determine the selection.
5) Press or turn the TUNE FOLDER PUSH SOUND knob (2) to select “Confirm”.
6) Turn the TUNE FOLDER PUSH SOUND knob (2) to select a number for the first digit, and press the knob (2) to determine the selection. Select and determine numbers for the second, third and fourth digits in order in the same manner. When not entering up to the eighth digit, enter blanks for the successive digits.
7) Turn the TUNE FOLDER PUSH SOUND knob (2) to determine the passkey setting.

NOTE:
When selecting “Go Back”, the previous menu will be displayed.

Deletion of audio device information (Delete Audio)
Follow the instructions below to delete the registered information of audio device.
1) Press the Bluetooth® setup button (6). The Bluetooth® setup menu will be displayed.
2) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “Setup Bluetooth”, and press the knob (2) to determine the selection.
3) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “List Audio”, and press the knob (2) to determine the selection.
4) Turn the TUNE FOLDER PUSH SOUND knob (2) to select an audio device to be deleted, and press the knob (2) to determine the selection.
5) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “Delete”, and press the knob (2) to determine the selection.
6) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “Delete?”, and press the knob (2) to determine the selection.
7) Turn the TUNE FOLDER PUSH SOUND knob (2) to select “Confirm”, and press the knob (2) to complete the deletion.

NOTE:
When selecting “Go Back”, the previous menu will be displayed.

Disclaimer for Bluetooth® function

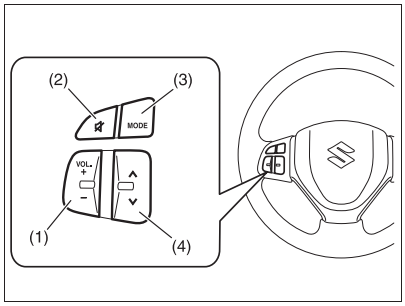
- Depending on the mobile phone models, some phones may not be compatible fully or partially (some function may be restricted).
- Connectivity or voice quality may get affected depending on circumstances.
- After the ignition switch is turned to the “ON” position or the engine switch is pressed to change the ignition mode to “ON”, the audio system takes few sec-

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onds to detect and connect to the Bluetooth® device (if already paired).
- Make sure that you are aware of all applicable local laws and accordingly use Bluetooth® device.

Remote Audio Controls (if equipped)

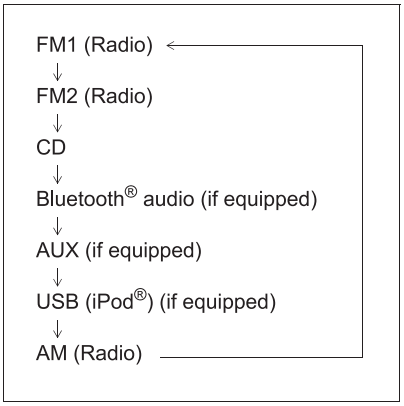
Controlling of basic functions of the audio system is available using the switches on the steering wheel.



Adjusting the volume
- To increase the volume, hold down "+" of the VOL switch (1). The volume will keep on being increased until the switch is released.
- To decrease the volume, hold down "-" of the VOL switch (1). The volume will keep on being decreased until the switch is released.
- To mute the sound, press the switch (2).

Selecting the mode

Press the switch (3).
Each time the button is pressed, the mode will change as follows:



It is possible to turn on the audio system by pressing the switch (3).

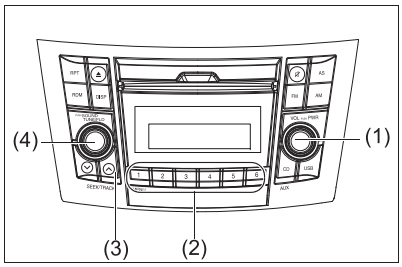
Selecting the radio station (FM1, FM2, AM mode)
- To select the next preset station, press "∧" of the switch (4) only for a moment.
- To select the previous preset station, press "∨" of the switch (4) only for a moment.
- To scan a higher frequency radio station, press "∧" of the switch (4) for 1 second or longer.
- To scan a lower frequency radio station, press "∨" of the switch (4) for 1 second or longer.

Selecting the track (CD, USB (iPod®), Bluetooth® audio mode)
- To skip to the next track, press "∧" of the switch (4) only for a moment.
- To skip to the previous track, press "∨" of the switch (4) twice only for a moment.
  When the switch (4) is pushed down once only for a moment, the track currently being played will start from the beginning again.

Fast forwarding/Rewinding a track
- To fast forward, press "∧" of the switch (4) for 1 second or longer.
- To fast rewind, press "∨" of the switch (4) for 1 second or longer.

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Anti-Theft Feature



(1) VOL PUSH POWER knob
(2) Preset buttons ([1] to [6])
(3) Up button
(4) TUNE FOLDER PUSH SOUND knob

The anti-theft function is intended to discourage thefts, such as that the audio system becomes inoperable when it is installed on other vehicles.
This function works by entering a Personal Identification Number (PIN).
When the unit is disconnected from its power source, such as when the audio system is removed or the battery is disconnected, the unit will become inoperable until the PIN is reentered.

Setting the Anti-Theft Function

1) Press the VOL PUSH POWER knob (1) to power off.
2) Hold down the buttons numbered [1] and [6] of the Preset buttons (2) and press the VOL PUSH POWER knob (1).
   "SECURITY" will be displayed.
3) Press the Up button (3) and the button numbered [1] of the Preset buttons (2) simultaneously.
4) Enter a 4-digit number to be registered as PIN using the buttons numbered [1] - [4] of the Preset buttons (2).
5) Hold down the TUNE FOLDER PUSH SOUND knob (4) for 1 second or longer to set the anti-theft function.

NOTE:
Take a note of the registered PIN and keep it for the future use.

Canceling the anti-theft feature

To cancel the anti-theft function, delete the registered PIN.

1) Press the VOL PUSH POWER knob (1) to power off.
2) Hold down the buttons numbered [1] and [6] of the Preset buttons (2) and press the VOL PUSH POWER knob (1).
   "PIN ENTRY" will be displayed.
3) Press the Up button (3) and the button numbered [1] of the Preset buttons (2) simultaneously.
4) Enter a 4-digit number to be registered as PIN using the buttons numbered [1] - [4] of the Preset buttons (2).
5) Hold down the TUNE FOLDER PUSH SOUND knob (4) for 1 second or longer to delete the registered PIN. The indication "----" will be displayed and the anti-theft function will be canceled.

NOTE:
To change your PIN, first delete your current PIN, then set a new one.

Confirming the Personal Identification Number (PIN)

When the main power source is disconnected such as when the battery is replaced, etc, it is required to enter the PIN to make the unit operable again.

1) Set the ignition switch to the "ACC" position or the ignition mode to "ACC".
   "SECURITY" will be displayed.
2) Press the Up button (3) and the button numbered [1] of the Preset buttons (2) simultaneously.
3) Enter a 4-digit number to be registered as PIN using the buttons numbered [1] - [4] of the Preset buttons (2).
4) Hold down TUNE FOLDER PUSH

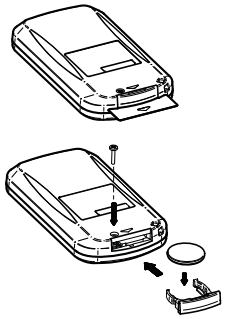
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SOUND knob (4) for 1 second or longer.
When the PIN same as registered is entered, the power of the audio system will be turned off automatically and it will become operable again.

NOTE:
If an incorrect PIN is entered, "ERROR" and the total number of incorrect entry attempts will be displayed.
If an incorrect PIN is entered 10 times or more, "HELP" will be displayed and the audio system will become inoperable.

Battery Installation

Install a lithium battery (CR2025) with the poles facing the correct direction.



Battery replacement timing

- When battery power is depleted, the button may not be operable. If the remote controller does not operate, replace the battery and check the operation.

Caution on battery

- Be sure to follow the instructions to prevent battery leakage, over-heating, ignition or explosion.

⚠ WARNING

- **Do not expose the battery to flame. Do not short circuit, disassemble, or heat the battery.**
- **Do not charge the battery.**
- **Use the specified type battery.**
- **Keep the button-shaped battery away from children to prevent accidental swallowing.**
- **If the battery is swallowed, contact a doctor immediately.**

⚠ CAUTION

- **Install the battery with the poles facing the correct direction.**
- **When not in use for a long period of time, or if the battery is dead, remove the battery from the remote controller.**

If battery leakage has occurred, wipe the container first then install a new battery. If the battery solution contacts the skin, wash off with water completely.

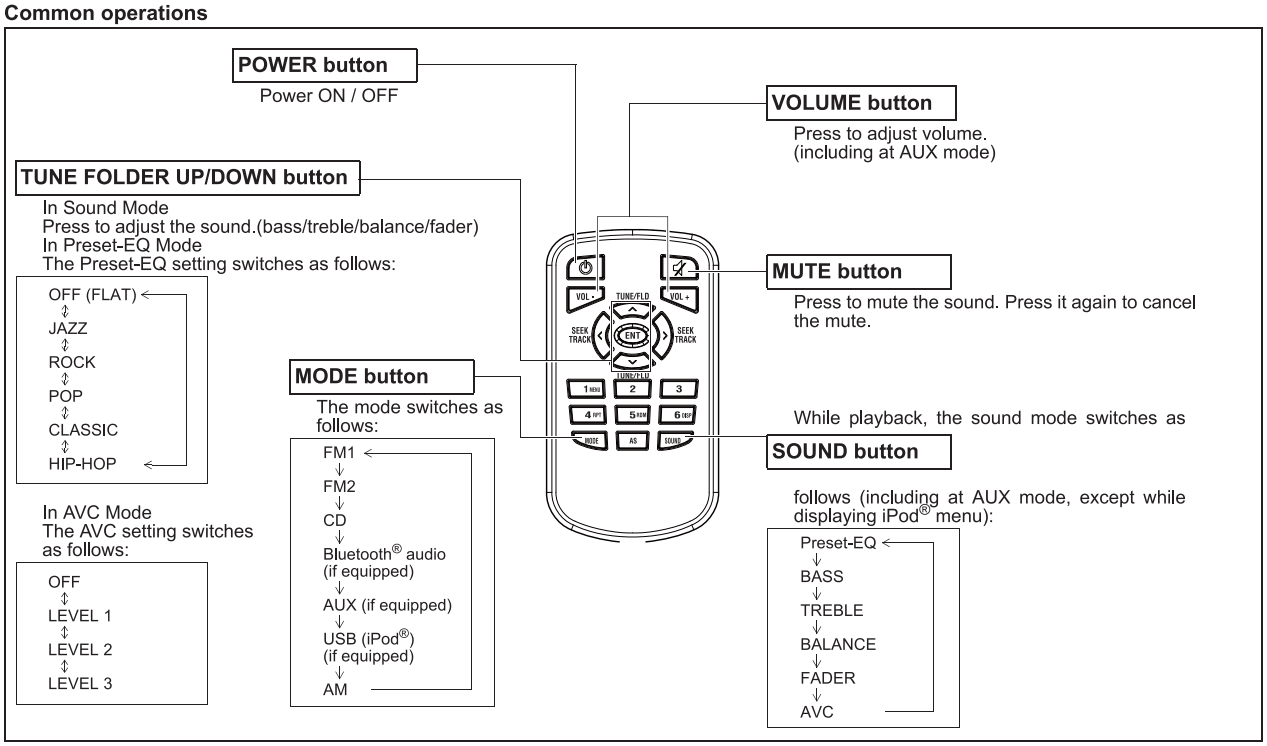
Caution on Remote Controller

- Do not leave the remote controller in an area exposed to direct sunlight, such as on the dashboard or steering wheel. The remote controller may deform because of the heat, (Be especially careful of the dashboard exposed to direct sunlight in the summer, as it will become extremely hot).
- When the vehicle is parked in an area exposed to direct sunlight, Ensure the remote controller is placed in an area not exposed to direct sunlight. For example: Glove box.
  Under direct sunlight, signal reception from the remote controller weakens. If this happens, hold the remote controller close to the signal receptor on the front panel.

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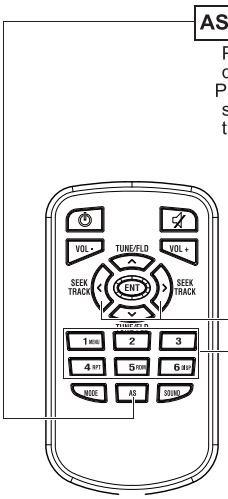
Remote Controller

Common operations



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Radio operations



AS button

Press to return to the last received frequency in the previous auto store mode. Press it for 2 seconds or longer. It selects the stations with the stronger signals and stores them in order.

SEEK TRACK UP/DOWN button

Press to select the radio station.

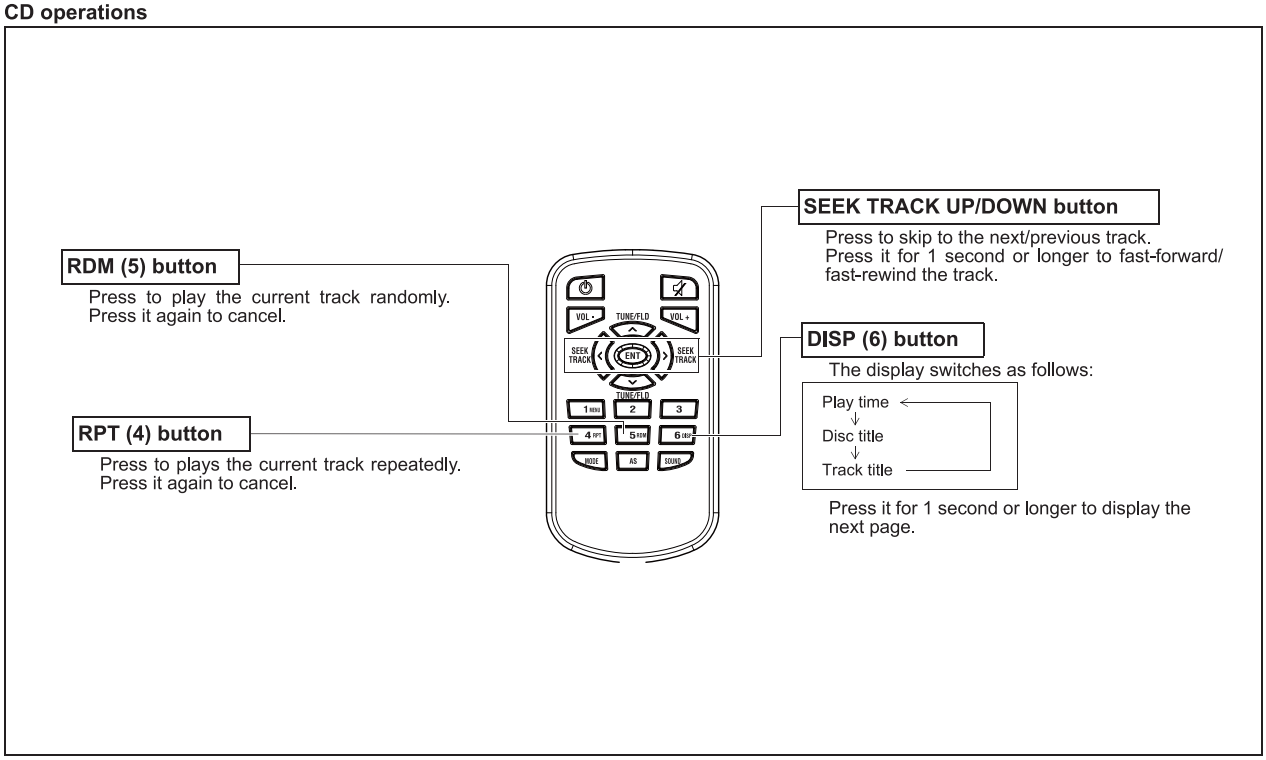
PRESET buttons (1-6)

Press to select the desired preset station.

NOTE:
When there are fewer than 6 stations that can be stored even if 1 round of auto store operation is performed, no station will be stored at the remaining preset buttons.

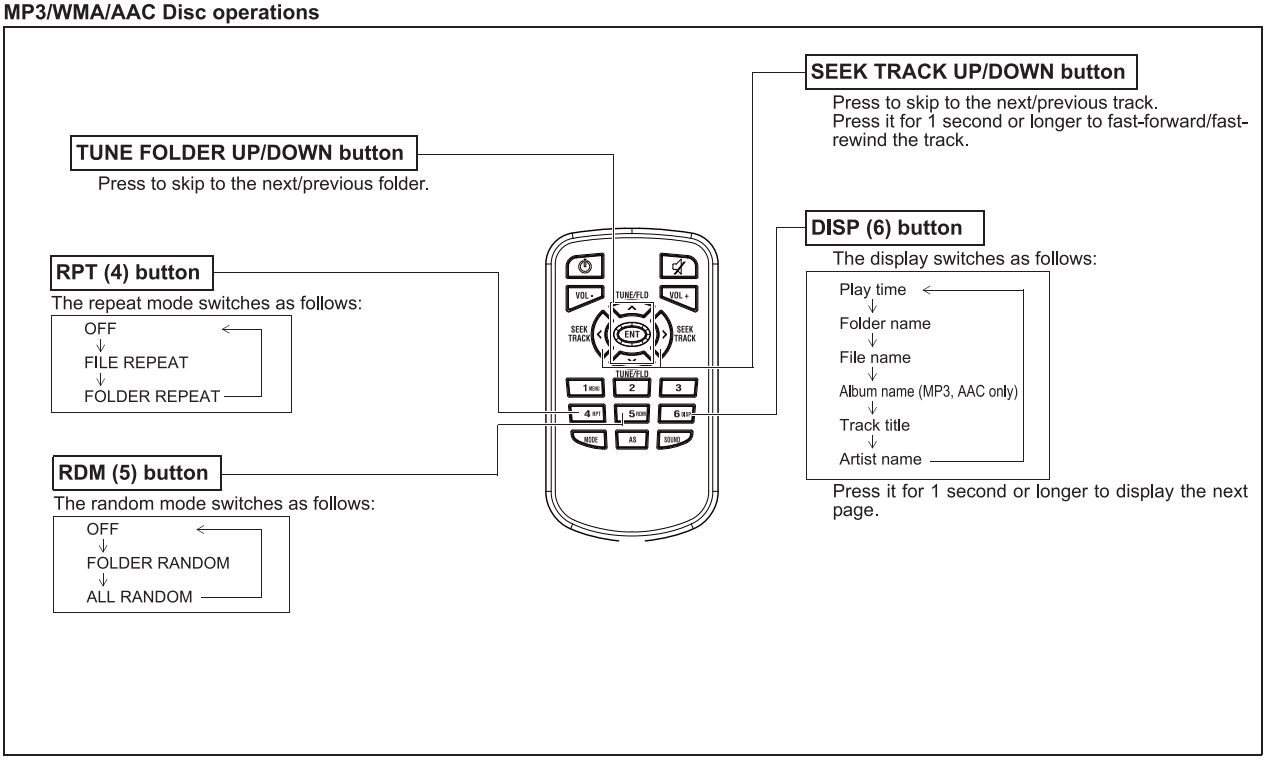
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CD operations



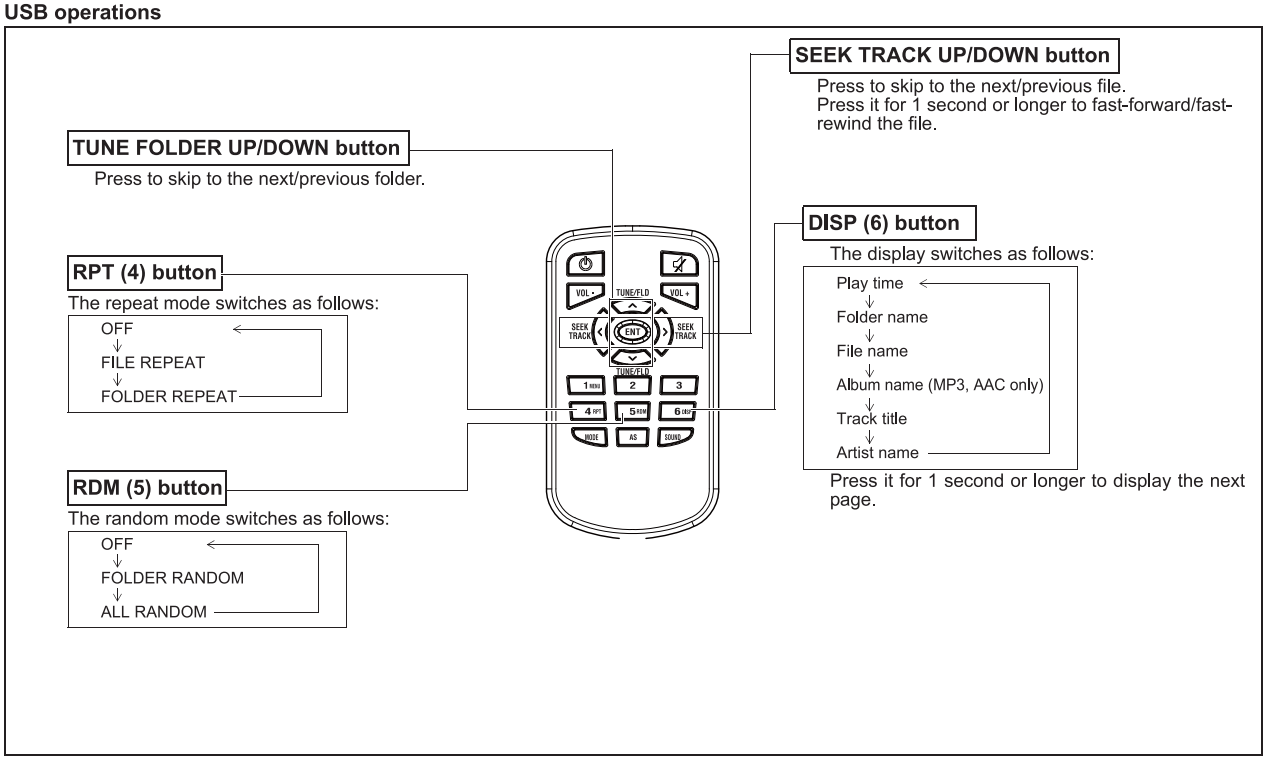
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MP3/WMA/AAC Disc operations



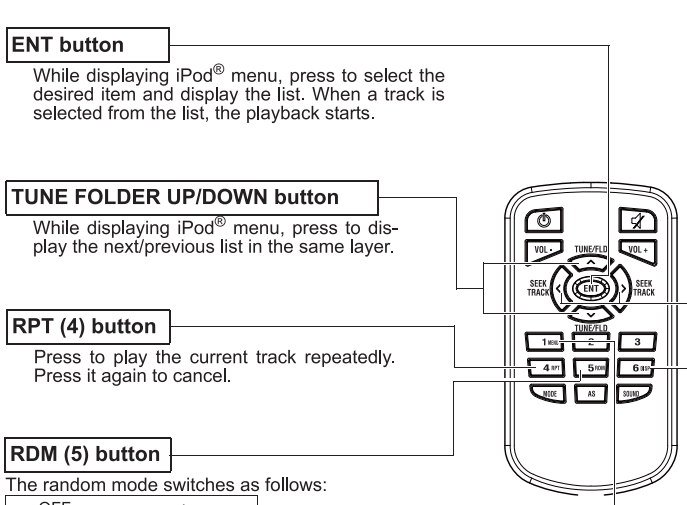
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USB operations



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iPod® operations



ENT button

While displaying iPod® menu, press to select the desired item and display the list. When a track is selected from the list, the playback starts.

TUNE FOLDER UP/DOWN button

While displaying iPod® menu, press to display the next/previous list in the same layer.

RPT (4) button

Press to play the current track repeatedly. Press it again to cancel.

RDM (5) button

The random mode switches as follows:

OFF → SONG RANDOM → ALBUM RANDOM → OFF

SEEK TRACK UP/DOWN button

Press to skip to the next/previous file.
Press it for 1 second or longer to fast-forward/fast-rewind the file.

DISP (6) button

The display switches as follows:

Playlist name / Track title (Playlist mode only) → Artist name / Track title → Album name / Track title → Track title / Play time → Playlist name / Track title (Playlist mode only)

Press it for 1 second or longer to display the next page.

MENU button

During playback
- Press to display iPod® menu.
- Press it for 1 second or longer to display the top menu.

While iPod® menu is displayed
- Press to display the folder in one layer upper.
- Press it for 1 second or longer to display the top menu.

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Troubleshooting

When encountered a problem, check and follow the instructions as described below.
If the described suggestions do not solve the problem, it is recommended to take the unit to your authorized MARUTI SUZUKI dealer.

Problem	Possible cause	Possible solution
Common		
Unable to operate	The security function is on.	When “SECURITY” is displayed, enter the ID. When “HELP” is displayed, contact your authorized MARUTI SUZUKI dealer.
Unable to turn on the power (no sound). (No sound is produced)	Fuse is blown.	Contact your authorized MARUTI SUZUKI dealer.
Radio		
Much noise	It may not be exactly tuned in to the station.	Tune it in exactly to the station.
Unable to receive by auto tuning	There may be no station emitting signals powerful enough.	Pick up a station by manual tuning.
CD		
Sound skips or noise produced	The disc is dirty.	Wipe the disc with a soft cloth.
	The disc has a major scratch or is warped.	Replace the disc with the one with no scratch and also not warped.

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Problem	Possible cause	Possible solution
MP3/WMA/AAC		
No playback	The disc contains unsupported formatted data.	Check the file format.
Sound skips or noise produced	Sound skipping may occur when playing VBR (Variable Bit Rate) files.	It is not recommended to play VBR files.
USB		
Playback does not start when the USB device is connected.	There is no supported format file to play on this unit.	Check the file format.
	The current consumption of the USB device exceeds 1.0 A.	Use an USB device with a current consumption lower than 1.0 A.
Bluetooth®		
Pairing failed	The distance between this unit and the Bluetooth® ready device is too far, or a metallic object may be located between the Bluetooth® ready device and this unit.	Change the location of the Bluetooth® ready device.
	The Bluetooth® function of the Bluetooth® ready device is off.	Refer to the manual of the Bluetooth® ready device. (Some devices have the power saving function that automatically activates after a certain time.)
Unable to receive a call.	Your current location may be out of service area.	Drive your vehicle to the service area of the phone.
The voice quality of hands-free is low (Distortion, noise etc.).	Another wireless device may be located near the unit.	Switch off the wireless device or keep it away from the unit.

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Error Display Messages

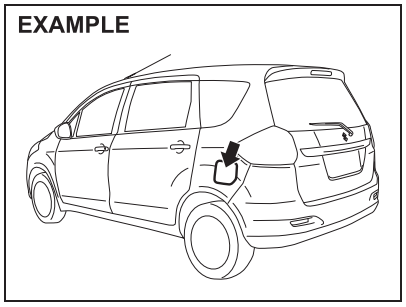
Display	Possible cause	Possible solution
CD		
ERROR 1	The disc cannot be read.	Insert the disc with its label side up. Check the disc if it is not warped or is free of flaws. When ERROR 1 does not disappear even when a normal disc is inserted, contact your dealer.
ERROR 3	The player developed an error of an unidentified cause.	When the CD is in the unit, press the CD eject button to remove the disc. When the disc cannot be ejected, contact your dealer.
USB/iPod®		
ERROR 1	The USB device is disconnected.	Check the connection of the USB device.
ERROR 2	Impossible to communicate correctly with the USB device.	Unplug the USB device and plug it again. Check the USB device.
ERROR 3	Inoperable due to an unidentified cause.	Unplug the USB device and plug it again. When ERROR 3 does not disappear, contact your dealer.
ERROR 4	The current consumption of the USB device exceeds 1.0 A.	Check the USB device.

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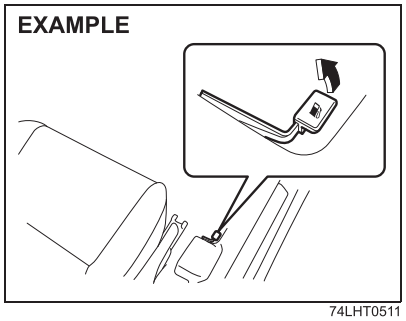
Display	Possible cause	Possible solution
Bluetooth®		
ERROR 1	The player developed an error of an unidentified cause.	Disconnect the Bluetooth® ready device and connect it again. When ERROR 1 does not disappear, contact your dealer.
Connection Failed	Failed to establish pairing or connection	Try to establish the pairing or connection again.
Memory Full	Phonebook data being transferred has reached the maximum	Delete unnecessary data of the phonebook and try to transfer again.
Not Available	Inoperable during driving	Operate the system after pulling over your vehicle.

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Fuel Filler Cap

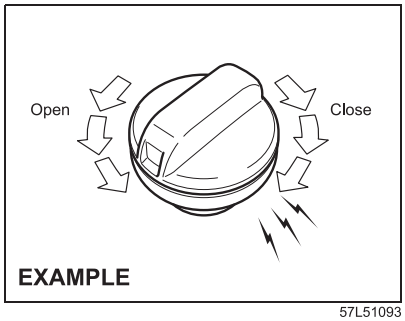


60MK057



74LHT0511

The fuel filler cap is located on the left rear side of the vehicle. The fuel filler door can be unlocked by pulling up the opener lever located on the outboard side of the driver's seat and locked by simply closing the door.

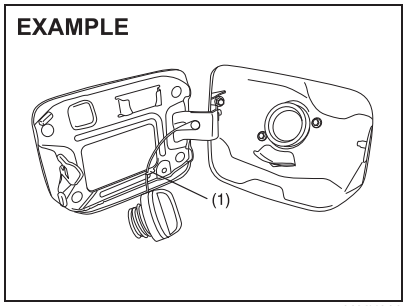


57L51093

To remove the fuel filler cap:
1) Open the fuel filler door.
2) Remove the cap by turning it counterclockwise.

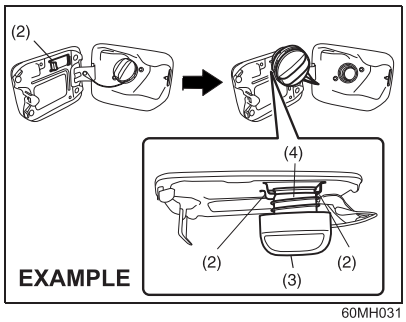
⚠ CAUTION

Remove the fuel filler cap slowly. The fuel may be under pressure and may spray out, causing injury.



60MH066

NOTE:
If the hook (1) is equipped with the fuel filler door, hold the fuel filler cap when refueling.



60MH031

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NOTE:
You can also use the cap holder (2) to hold the fuel filler cap (3) by hooking the groove (4) when refueling.

To reinstall the fuel filler cap:
1) Turn the cap clockwise until you hear several clicks.
2) Close the fuel filler door.

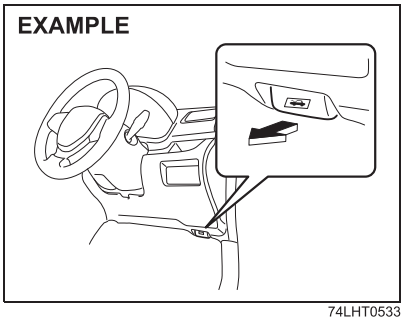
⚠ WARNING

Fuel is extremely flammable. Do not smoke when refueling, and make sure there are no open flames or sparks in the area.

⚠ WARNING

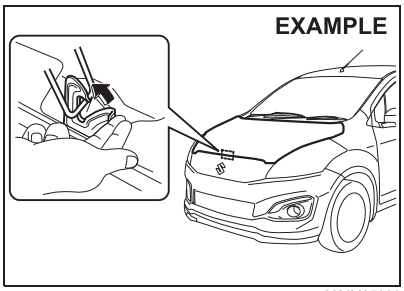
If you need to replace the fuel cap, use a Maruti genuine cap. Use of an improper cap can result in a malfunction of the fuel system or emission control system. It may also result in fuel leakage in the event of an accident.

Engine Hood



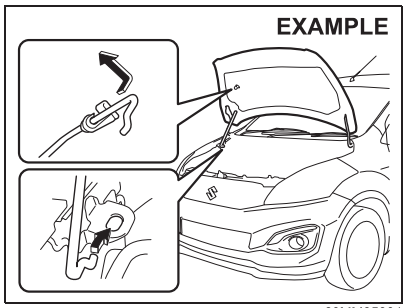
74LHT0533

To open the engine hood:
1) Pull the hood release handle located on the outboard side of the driver's side of the instrument panel. This will disengage the engine hood lock halfway.



60MM05002

2) Push the under-hood release lever sideways with your finger, as shown in the illustration. While pushing the lever, lift up the engine hood.

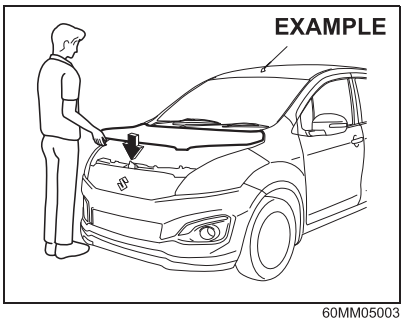


60MM05004

3) Continue to lift up the hood until it is high enough to support with the prop rod.

To close the engine hood:
1) Lift the hood up slightly and remove the prop rod from the hole. Put the prop rod back to the holding clip.

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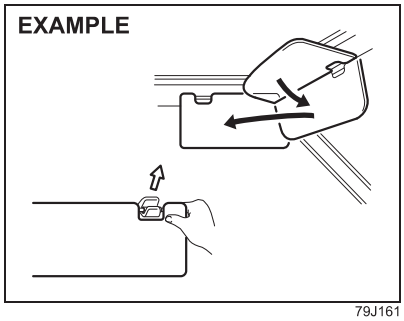
60MM05003

2) Lower the hood to about 20 cm above the hood latch, then let it drop down. Make sure the hood is securely latched after closing.

⚠ WARNING

Make sure the hood is fully closed and latched before driving. If it is not, it can fly up unexpectedly during driving, obstructing your view and resulting in an accident.

Sun Visor



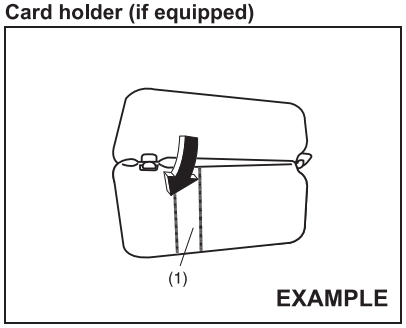
79J161

The sun visors can be pulled down to block glare coming through the windshield, or they can be unhooked and turned to the side to block glare coming through the side window.

NOTICE

When unhooking and hooking a sun visor, be sure to handle it by the hard plastic parts or the sun visor can be damaged.

Card holder (if equipped)



74LHT0516

(1) Card holder

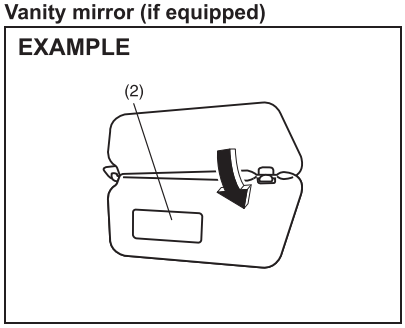
You can put a card in the card holder (1) on the back of the sun visor.

NOTICE

When you park your vehicle outdoors in direct sunlight or in hot weather, do not leave plastic cards in the holder. The heat may distort them.

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Vanity mirror (if equipped)



74LHT0532

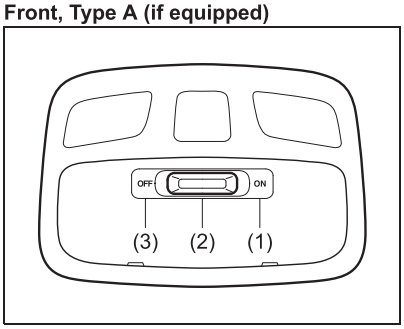
(2) Vanity mirror

⚠ WARNING

When using the vanity mirror, do not move too close to a front air bag location or lean against it. If the front air bag is accidentally inflated, it could hit you hard.

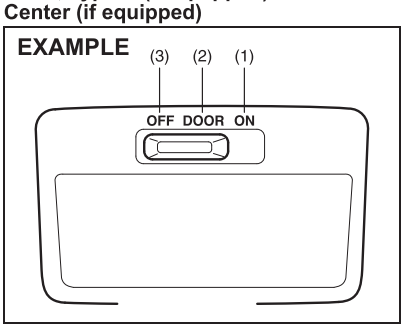
Interior Light Switch

Front, Type A (if equipped)



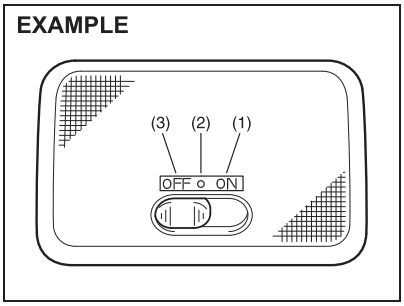
60MH129

Front, Type B (if equipped)
Center (if equipped)



64J104

Rear



64J211

This light switch has three positions which function as described below:

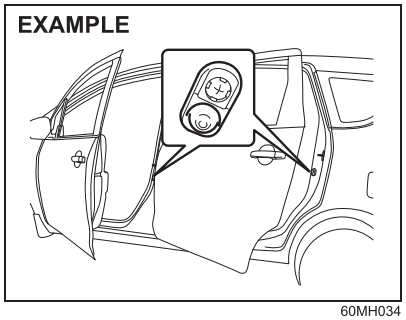
ON (1)
The light comes on and stays on regardless of whether the door is open or closed.

DOOR (2)
- The light comes on when the door is opened. After closing all doors, the light will remain on for about 15 seconds and then fade out. If you insert the key, or press the engine switch to change the ignition mode to “ACC” or “ON” during this time, the light will start to fade out immediately. After removing the key from the ignition switch, the light will turn on for about 15 seconds and then fade out.

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- Regardless of whether the door is open or closed, the light comes on 15 seconds and then fade out when the ignition mode is changed to “LOCK” (OFF) or the ignition switch is turned to the “LOCK” position.
- To save the battery, the light will be automatically turned off when a period of 15 minutes has elapsed after any of the doors (including the tailgate) is opened and other operations are not done.

OFF (3)
The light remains off even when the door is opened.

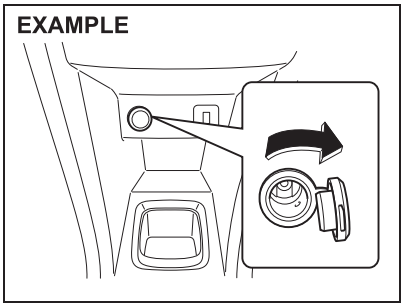


60MH034

NOTE:
The number of doors involved in the lighting operation of the interior light depends on the vehicle specification. If there is a switch (rubber projection) at the door opening as shown, the door is involved in the lighting operation. The tailgate is also involved in this operation even without the rubber projection depending on the vehicle specification.

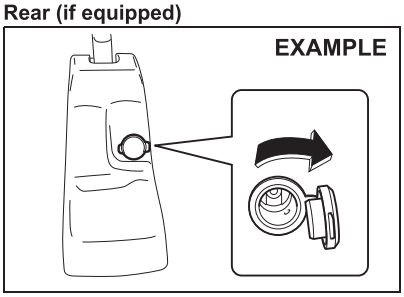
Accessory Socket

Front



74LHT0517

Rear (if equipped)



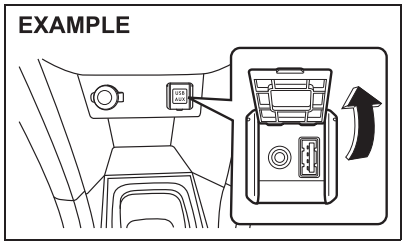
60MK061

The accessory socket will work when the ignition switch is in the “ACC” or “ON” position, or the ignition mode is “ACC” or “ON”. Each socket can be used to provide 12 volt/120 watt/10 ampere power for electrical accessories when used alone. Make sure that the cap remains on the socket when the socket is not in use.

NOTICE

- **To prevent the fuse from being blown, when using sockets at the same time, do not exceed the total combined power capacity of 12 volt/120 watt/10 ampere.**
- **Use of inappropriate electrical accessories can cause damage to your vehicle’s electrical system. Make sure that any electrical accessories you use are designed to plug into this type of socket.**

AUX/USB Socket (if equipped)

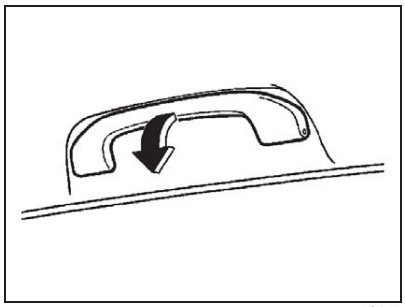


60MH067

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Connect your portable digital music player, etc. to this socket to enjoy music through the vehicle's audio system using it as a source. Refer to "Audio System" in this section.

Assist Grips



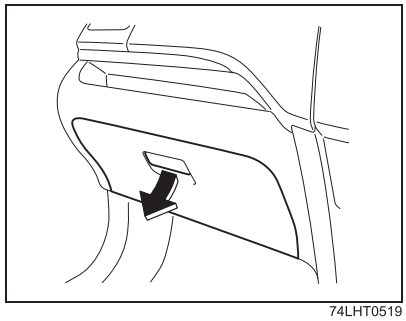
54G249

Assist grips are provided for convenience.

NOTICE

To avoid damaging the assist grip and the molded headlining, do not hang down the assist grip.

Glove Box



74LHT0519

To open the glove box, pull the latch lever. To close it, push the lid until it latches securely.

⚠ WARNING

Never drive with the glove box lid open. It could cause injury if an accident occurs.

Cup Holder and Storage Area

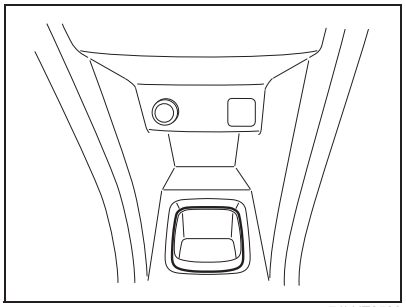
⚠ WARNING

Failure to take the precautions listed below could cause personal injury or vehicle damage.

- **Be careful when you are using the cup holders to hold a cup containing hot liquid. Spilling out hot liquid can cause burn injury.**
- **Do not use the cup holders to hold sharp-edged, hard, or breakable objects. Objects in the cup holders may be thrown about during a sudden stop or impact, and could cause personal injury.**
- **Be careful not to spill liquid or insert any foreign materials into the moving part of the gearshift lever, or any electrical components. Liquid or foreign materials may damage these parts.**

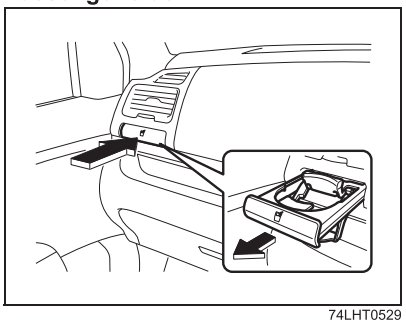
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Front



74LHT0520

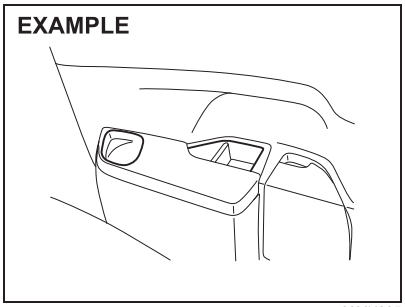
Passenger side



74LHT0529

To use the cup holder, push it. The cup holder slides out automatically. After using the holder, push it back to return it.

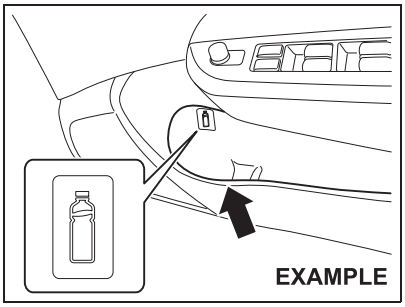
3rd row seats



60MH035

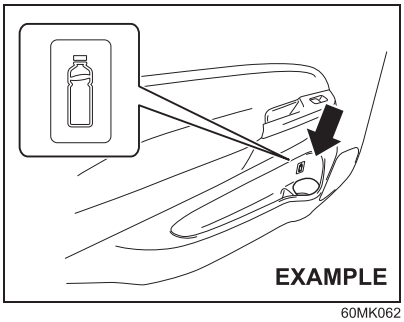
Bottle holder

Front seats



60MH068

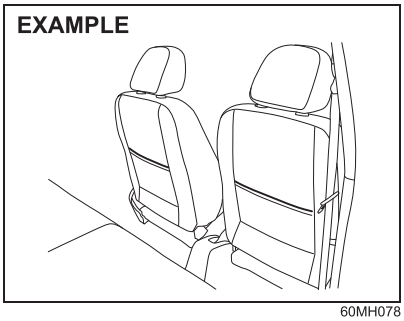
2nd row seats



60MK062

You should hold a bottle with a cap in the holder.

Front Seat Back Pocket (if equipped)



60MH078

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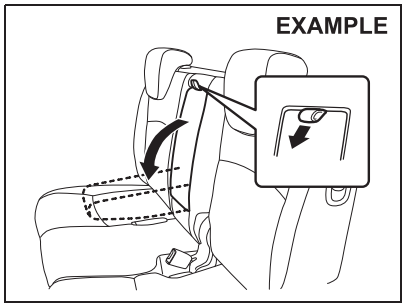
This pocket is provided for holding light and soft things such as gloves, newspapers or magazines.

⚠ CAUTION

Do not put hard or breakable objects in the pocket. If an accident occurs, objects such as bottles, cans, etc. can injure the occupants in the rear seat.

Armrest (if equipped)

2nd row seat



60MH037

To use the armrest, pull the strap and lower the armrest. When not in use, push back in the seat until the armrest is secured.

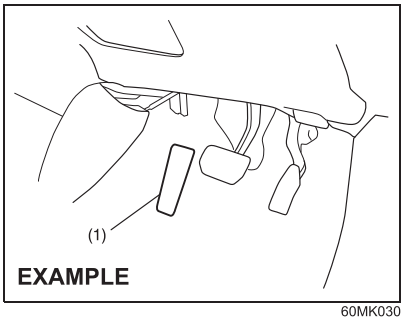
⚠ WARNING

In an accident or sudden stop, the rear armrest (if equipped) could fall forward. If there is a child in a rear-facing child restraint in the center seating position, the falling armrest could injure the child. Make sure the armrest is secured in the stowed position when not in use.

NOTICE

To avoid damage to the armrest, do not lean on it or allow a child to sit on it.

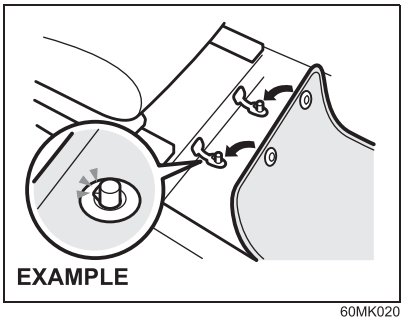
Footrest (if equipped)



60MK030

Use the footrest (1) as a support for your left foot.

Floor Mats (if equipped)



60MK020

To prevent the driver's side floor mat from sliding forward and possibly interfering with the operation of the pedals, Maruti genuine part floor mats are recommended.
Whenever you put the driver's side floor mat back in the vehicle after it has been removed, be sure to hook the floor mat grommets to the fasteners and position the floor mat properly in the footwell.

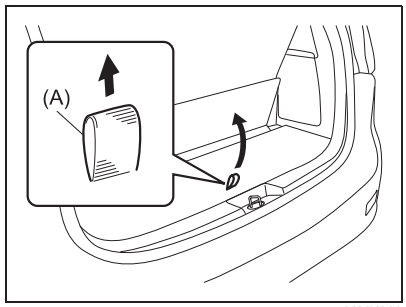
When you replace the floor mats in your vehicle with a different type such as all-weather floor mats, we highly recommend using Maruti genuine floor mats for proper fitting.

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⚠ WARNING

Failure to take the following precautions may result in the driver's side floor mat interfering with the pedals and causing a loss of vehicle control or an accident.
- **Make sure that the floor mat grommets are hooked to the fasteners.**
- **Never place additional floor mats on top of the existing floor mat.**

Luggage Box (if equipped)

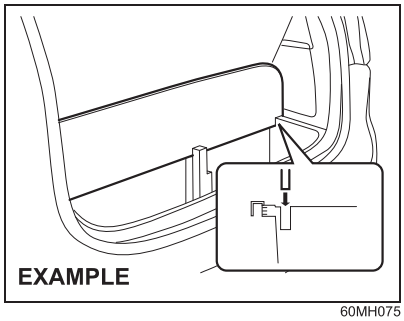


60MK063

Pull up the straps (A) of the luggage box cover to use the box.

NOTICE

Do not allow items in the box to extend above the top of the box. Otherwise, the box or cover may be damaged.



60MH075

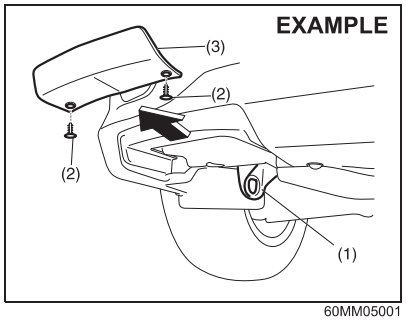
NOTE:
The luggage box cover can be held open as shown in the above illustration.

NOTICE

If the luggage box cover is held open while driving, it can be damaged.
Do not hold open the luggage box cover while driving.

Frame Hooks

Front



60MM05001

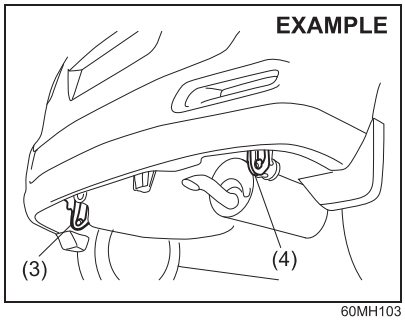
To access the frame hook (1), remove the clips (2) and take out the cover (3).
The frame hook (1) is provided on the front of the vehicle for use in emergency situations and sea shipping purposes only.

NOTICE

When you use the frame hook (1), avoid the driving that gives significant physical shock on hook. Such operation can damage the hook, or the vehicle body.
Do not sudden accelerate.

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Rear



60MH103

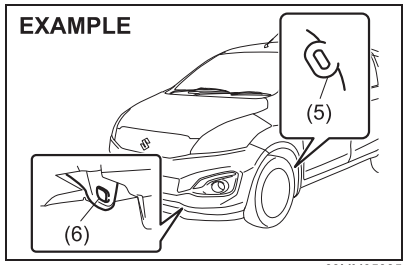
The frame hook (3) is provided on the rear of the vehicle for use in emergency situations and trailer/train/sea shipping purposes only.

NOTICE

When you use the frame hook (3), avoid the driving that gives significant physical shock on hook. Such operation can damage the hook, the vehicle body or the drive system.
- **Do not sudden accelerate.**
- **Do not tow the vehicle heavier than your vehicle.**

To tow your vehicle on the road or highway, follow the instruction of “Towing” in “EMERGENCY SERVICE” section.

Other Hooks



60MM05005

The hook (4) is provided for trailer/train/sea shipping purposes only.
The hook (5) (or opposite side) is provided for trailer/train shipping purposes only. The hook (6) is provided for sea shipping purpose only.

⚠ WARNING

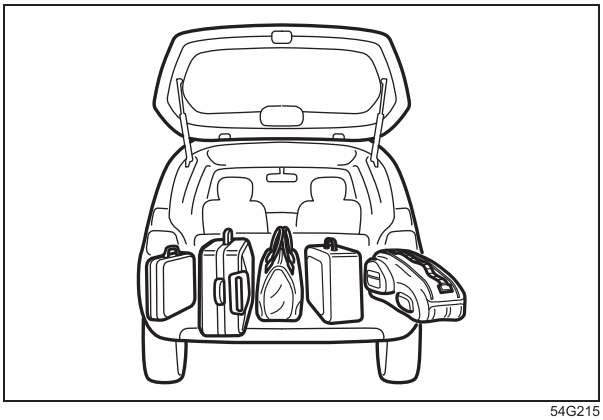
Do not use the frame hooks to tow another vehicle or to have your vehicle towed on the road or highway. The hook (1) is designed for use in emergency situations such as if your vehicle or another vehicle gets stuck in deep mud or snow, and sea shipping only. The hook (3) is designed for use in emergency situations and trailer/train/sea shipping only.
The hooks (4) and (5) are provided for trailer/train shipping purposes only. The hook (6) is provided for sea shipping purpose only.

NOTICE

Never use the hooks (1) for trailer/train shipping purposes to prevent damage to the vehicle.

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VEHICLE LOADING AND TOWING



54G215

Vehicle Loading 6-1
Trailer Towing 6-1

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VEHICLE LOADING AND TOWING

Vehicle Loading

Your vehicle was designed for specific weight capacities. The weight capacities of your vehicle are indicated by the Gross Vehicle Weight Rating (GVWR) and the Permissible maximum Axle Weight (PAW, front and rear). The GVWR and PAW (front and rear) are listed in the "SPECIFICATIONS" section.

GVWR – Maximum permissible overall weight of the fully loaded vehicle (including all the occupants, accessories and cargo plus the trailer nose weight if towing a trailer).
PAW – (Front and Rear) Maximum permissible weight on an individual axle.

Actual weight of the loaded vehicle and actual loads at the front and rear axles can only be determined by weighing the vehicle. Compare these weights to the GVWR and PAW (front and rear). If the gross vehicle weight or the load on either axle exceeds these ratings, you must remove enough weight to bring the load down to the rated capacity.

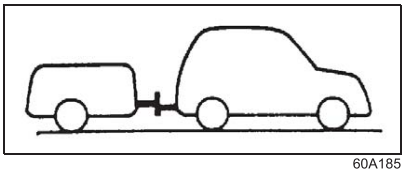
⚠ WARNING

Never overload your vehicle. The gross vehicle weight (sum of the weights of the vehicle, all the occupants, accessories, cargo plus trailer nose weight if towing a trailer) must never exceed the Gross Vehicle Weight Rating (GVWR). In addition, never distribute a load so that the weight on either the front or rear axle exceeds the Permissible maximum Axle Weight (PAW).

⚠ WARNING

Always distribute cargo evenly. To avoid personal injury or damage to your vehicle, always secure cargo to prevent it from shifting if the vehicle moves suddenly. Place heavier objects on the floor and as far forward in the cargo area as possible. Never pile cargo higher than the top of the seat backs.

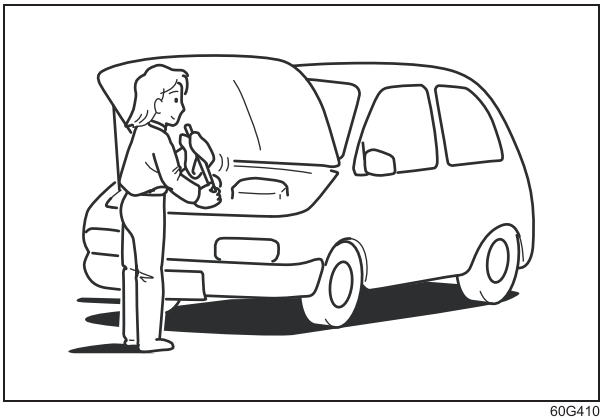
Trailer Towing



60A185

Your MARUTI SUZUKI was originally designed to carry people and a normal amount of cargo, not to tow a trailer. MARUTI SUZUKI does not recommend you use your vehicle to tow a trailer. Towing a trailer can adversely affect handling, durability, and fuel economy.

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60G410

INSPECTION AND MAINTENANCE

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Periodic Maintenance Schedule 7-2
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60B128S

⚠ WARNING

You should take extreme care when working on your vehicle to prevent accidental injury. Here are a few precautions that you should be especially careful to observe:

- **To prevent damage or unintended activation of the air bag system or seat belt pretensioner system, be sure the battery is disconnected and the ignition switch has been in the "LOCK" position or the ignition mode has been "LOCK" (OFF) for at least 90 seconds before performing any electrical service work on your MARUTI SUZUKI. Do not touch air bag system components, seat belt pretensioner system components or wires.**
  The wires are wrapped with yellow tape or yellow tubing, and the couplers are yellow for easy identification.
- **Do not leave the engine running in garages or other confined areas.**

(Continued)

⚠ WARNING

(Continued)

- **When the engine is running, keep hands, clothing, tools, and other objects away from the fan and drive belt. Even though the fan may not be moving, it can automatically turn on without warning.**
- **When it is necessary to do service work with the engine running, make sure that the parking brake is set fully and the transaxle is in Neutral (for manual transaxle vehicles) or Park (for automatic transaxle vehicles).**
- **Do not touch ignition wires or other ignition system parts when starting the engine or when the engine is running, or you could receive an electric shock.**
- **Be careful not to touch a hot engine, exhaust manifold and pipes, muffler, radiator and water hoses.**
- **Do not allow smoking, sparks, or flames around fuel or the battery. Flammable fumes are present.**
- **Do not get under your vehicle if it is supported only with the portable jack provided in your vehicle.**
- **Be careful not to cause accidental short circuits between the positive and negative battery terminals.**

(Continued)

⚠ WARNING

(Continued)

- **Keep used oil, coolant, and other fluids away from children and pets. Dispose of used fluids properly; never pour them on the ground, into sewers, etc.**

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Maintenance Schedule

The following table shows the times when you should perform regular maintenance on your vehicle. This table shows in kilometers and months when you should perform inspections, adjustments, lubrication and other services. These intervals should be shortened if driving is usually done under severe conditions.

⚠ WARNING

MARUTI SUZUKI recommends that maintenance on your Maruti Suzuki vehicle should be performed by authorized MARUTI SUZUKI workshop/Service station.

NOTICE

Whenever it becomes necessary to replace parts on your vehicle, it is recommended that you use genuine MARUTI SUZUKI replacement parts or their equivalent.

Periodic Maintenance Schedule

"A":Adjust
"C":Clean
"R":Replace or Change
"I":Inspect, clean, adjust, lubricate or replace as necessary
"L":Lubricate
"T":Tighten to Specified Torque
"O":Rotate

NOTE:
This table includes services as scheduled up to 80000 km mileage. Beyond 80000 km, carry out the same services at the same intervals respectively.

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Interval: This interval should be judged by odometer reading or months, whichever comes first.				FREE INSPECTION			PERIODIC MAINTENANCE AT COST						
			km (x1000)	1	5	10	20	30	40	50	60	70	80
			months	1	6	12	24	36	48	60	72	84	96
Engine													
1-1.	Water pump drive (Tension, Wear)	Petrol		-	-	I	I	I	I	I	I	I	R
		Diesel (Vehicle equipped with SHVS)		-	-	I	I	I	I	I	R	I	I
1-2	ISG Belt	Diesel (Vehicle equipped with SHVS)		-	-	I	I	R	I	I	R	I	I
1-3	Engine Coolant (Level, Leakage)			I	I	I	R	I	R	I	R	I	R
1-4	Engine oil, engine oil filter and drain plug gasket			-	-	R	R	R	R	R	R	R	R
1-5	Cooling system hoses and connections (Leakage and Damage)			I	I	I	I	I	I	I	I	I	I
1-6	Engine cylinder head bolts		Petrol	-	T	-	T	-	T	-	T	-	T
1-7	Engine Mounting & manifold fixing (loose, damage)			-	I	-	I	-	I	-	I	-	I
1-8	Valve Clearance		Petrol	-	-	-	-	I	-	-	I	-	-
1-9	Exhaust System (Noise, Leakage etc.)			-	I	-	I	-	I	-	I	-	I
1-10	Positive Crank Case Ventilation System (Hoses, Connections and Valve)		Petrol	-	I	-	I	-	I	-	I	-	I
1-11	Exhaust Gas Recirculation Valve		Diesel	-	-	-	-	C	-	-	C	-	-
IGNITION													
2-1.	Ignition wire (Damage, Deterioration)		Petrol	-	-	-	I	-	I	-	I	-	I
2-2.	Spark Plug		Petrol	-	-	-	-	-	R	-	-	-	R
FUEL													
3-1.	Air cleaner filter element	Paved-road	Petrol	Clean after every 5,000 KM. Replace after every 40,000 KM.									
			Diesel	Replace after every 20,000 KM. Cleaning not required.									
		Dusty Condition	Petrol	Clean after every 2,500 KM or as required. Replace after every 40,000 KM.									
			Diesel	Replace after every 20,000 KM. Cleaning not required. More frequent replacement if dust condition is severe.									
3-2.	Fuel tank cap, fuel lines and connections (Leakage and Damage)			-	I	-	-	-	I	-	-	-	I
3-3.	Fuel Filter (Leakage)		Petrol	-	-	-	-	-	R	-	-	-	R
3-4.	Fuel Filter and Water Draining		Diesel	I	I	I	R	I	R	I	R	I	R
CLUTCH AND TRANSMISSION													
4-1.	Clutch fluid (level, leakage)			I	I	I	R	I	R	I	R	I	R

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Interval: This interval should be judged by odometer reading or months, whichever comes first.			FREE INSPECTION			PERIODIC MAINTENANCE AT COST						
		km (x1000)	1	5	10	20	30	40	50	60	70	80
		months	1	6	12	24	36	48	60	72	84	96
4-2.	Clutch slipping (Dragging or Excess Damage)		I	I	I	I	I	I	I	I	I	I
4-3.	Manual Transaxle Oil (Level, Leakage)		Replace at 1,60,000 km or 10 years whichever comes first									
4-4.	Automatic Transaxle Fluid (Level, Leakage)		Replace at 1,65,000 km or 11 years whichever comes first									
4-5.	Hose, Automatic Transaxle Fluid		I	I	I	I	I	I	I	I	I	I
Drive shaft												
5-1.	Drive shaft boot (boot damage)		-	I	I	I	I	I	I	I	I	I
BRAKE												
6-1.	Brake Fluid (Level, Leakage)		I	I	I	R	I	R	I	R	I	R
6-2.	Brake pedal (pedal - wall clearance)		I	I	I	I	I	I	I	I	I	I
6-3.	Parking brake lever and cable (Play, damage)		I	I	I	I	I	I	I	I	I	I
6-4.	Brake disc and pad (Wear)		–	I	I	I	I	I	I	I	I	I
6-5.	Brake drum and shoes (Wear)		–	–	I	I	I	I	I	I	I	I
6-6.	Brake hoses and pipes (Fluid leakage, damage)		I	I	I	I	I	I	I	I	I	I
6-7.	Master cylinder, wheel cylinder and caliper piston (Fluid leakage, boot/ seal damage)		I	I	I	I	I	I	I	I	I	I
WHEEL												
7-1.	Tyres (air pressure, abnormal wear, crack and rotation)		I	I&O	I&O	I&O	I&O	I&O	I&O	I&O	I&O	I&O
7-2.	Wheels (Damage)		I	I	I	I	I	I	I	I	I	I
7-3.	Front/Rear wheel bearing (Loose, damage)		I	I	I	I	I	I	I	I	I	I
FRONT / REAR SUSPENSION												
8-1.	Suspension strut (Oil leakage, damage)		I	I	I	I	I	I	I	I	I	I
8-2.	Suspension arms / Knuckle support (Loose, damager)		–	I	I	I	I	I	I	I	I	I
8-3.	Rear spring (Damage)		I	I	I	I	I	I	I	I	I	I
8-4.	Shock absorbers (Oil leakage, damage)		I	I	I	I	I	I	I	I	I	I
8-5.	All bolts and nuts (Loose)		–	T	T	T	T	T	T	T	T	T
8-6.	Suspension arms and torsion rods		–	I	I	I	I	I	I	I	I	I
STEERING												
9-1.	Steering wheel (Play, loose)		I	I	I	I	I	I	I	I	I	I
9-2.	All rods and arms (Loose, damage, wear)		I	I	I	I	I	I	I	I	I	I

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Interval: This interval should be judged by odometer reading or months, whichever comes first.		FREE INSPECTION			PERIODIC MAINTENANCE AT COST						
	km (x1000)	1	5	10	20	30	40	50	60	70	80
	months	1	6	12	24	36	48	60	72	84	96
ELECTRICAL											
10-1.	Battery electrolyte (Level, leakage)	I	I	I	I	I	I	I	I	I	I
10-2.	Wiring harness connection (Loose, damage)	–	I	I	I	I	I	I	I	I	I
10-3.	Lighting system (Operation, stains, damage)	I	I	I	I	I	I	I	I	I	I
10-4.	Horn (Operation)	I	I	I	I	I	I	I	I	I	I
10-5.	System Voltage	I	I	I	I	I	I	I	I	I	I
BODY											
11-1.	All chassis bolts and nuts (Tighten)	–	I	T	T	T	T	T	T	T	T
11-2.	All latches, hinges and locks (Function)	I	I&L	I&L	I&L	I&L	I&L	I&L	I&L	I&L	I&L
ROAD TEST											
12-1.	Operation of Brakes, gear shifting and speedometer	I	I	I	I	I	I	I	I	I	I
12-2.	Body and chassis noise	I	I	I	I	I	I	I	I	I	I
AIR CONDITIONER											
13-1.	Tighten compressor mounting bolt	–	T	T	T	T	T	T	T	T	T
13-2.	All hose joint (Check, tighten)	I	I	I	I	I	I	I	I	I	I
13-3.	Check functioning of Recirculating flap	I	I	I	I	I	I	I	I	I	I
13-4.	Clean condenser with low pressure water	–	C	C	C	C	C	C	C	C	C
13-5.	Check belt for frayed edges	I	I	I	I	I	I	I	I	I	I
13-6.	Check all mounting bolts	I	I	I	I	I	I	I	I	I	I
13-7.	Air conditioner filter element	I	I	I	I	R	I	I	R	I	I

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Drive Belt

⚠ WARNING

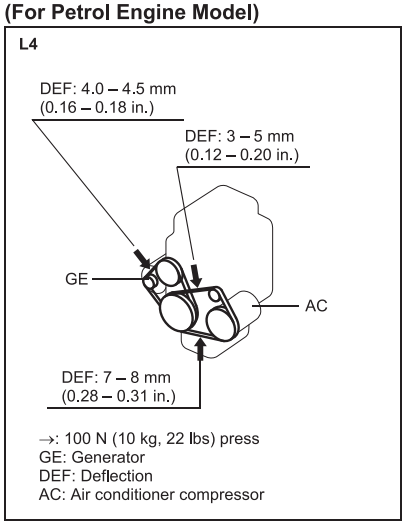
When the engine is running, keep hands, hair, clothing, tools, etc. away from the moving fan and drive belts.

Make sure the drive belt tension is correct. If the belt is too loose, insufficient battery charging, engine overheating, poor power steering, poor air conditioning, or excessive belt wear can result. When you press the belt with your thumb midway between the pulleys, there should be a deflection according to the following chart.

The belts should also be examined to ensure that they are not damaged.

If you need to replace or adjust the belt have it done by your MARUTI SUZUKI dealer.

(For Petrol Engine Model)



52LM013

(For Diesel Engine Model)
The drive belts tension adjusted automatically.

Engine Oil and Filter

Specified Oil

(For Petrol Engine Model)

Be sure that the engine oil you use comes under the quality classification of SG, SH, SJ, SL, SM or SN. Select the appropriate oil viscosity according to the above chart.

SAE 0W-20 (1) is the best choice for good fuel economy, and good starting in cold weather.

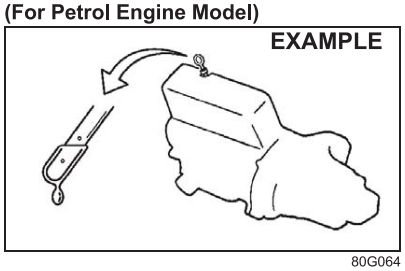
(For Diesel Engine Model)

Be sure that the engine oil you use comes under the quality classification of ACEA A5/B5. Select the appropriate oil viscosity according to the above chart.

SAE 5W-30 (1) is the best choice for good fuel economy, and good starting in cold weather

Oil Level Check

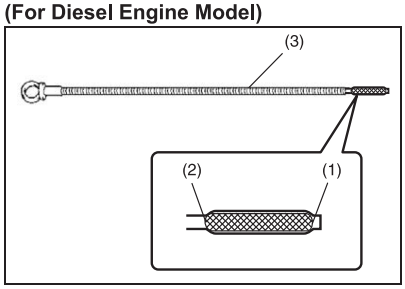
(For Petrol Engine Model)



80G064

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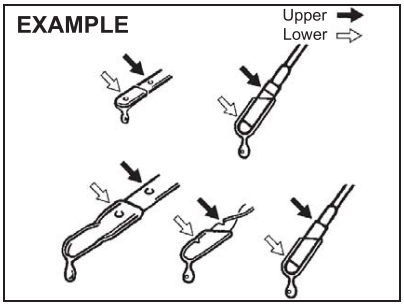
(For Diesel Engine Model)



84E012

(1) MIN
(2) MAX
(3) Engine oil dipstick

It is important to keep the engine oil at the correct level for proper lubrication of your vehicle's engine. Check the oil level with the vehicle on a level surface. The oil level indication may be inaccurate if the vehicle is on a slope. The oil level should be checked either before starting the engine or at least 5 minutes after stopping the engine.
The handle of the engine oil dipstick is colored yellow for easy identification.



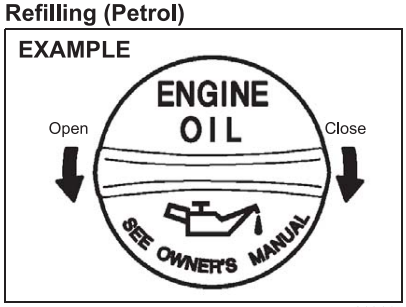
52D084

Pull out the oil dipstick, wipe oil off with a clean cloth, insert the dipstick all the way into the engine, then remove it again. The oil on the stick should be between the upper and lower limits shown on the stick. If the oil level indication is near the lower limit, add enough oil to raise the level to the upper limit.

NOTICE
Failure to check the oil level regularly could lead to serious engine trouble due to insufficient oil.

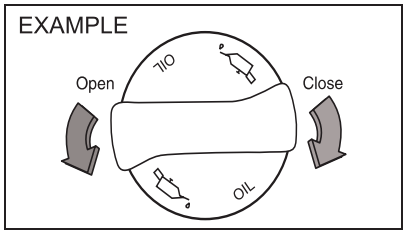
NOTICE
(For Diesel Engine Model) **Do not top up the oil over the MAX limit. Too much oil causes serious engine trouble.**

Refilling (Petrol)



81A147

Refilling (Diesel)



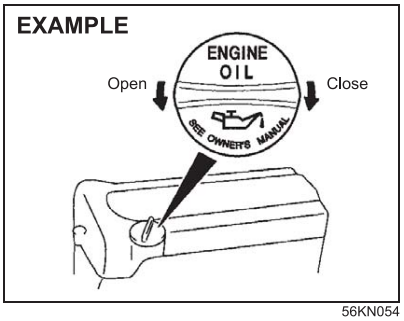
Remove the oil filler cap and pour oil slowly through the filler hole to bring the oil level to the upper limit on the dipstick. Be careful not to overfill. Too much oil is almost as bad as too little oil. After refilling, start the engine and allow it to idle for about a minute. Stop the engine, wait about 5 minutes and check the oil level again.

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Changing Engine Oil and Filter

Drain the engine oil while the engine is still warm.

EXAMPLE



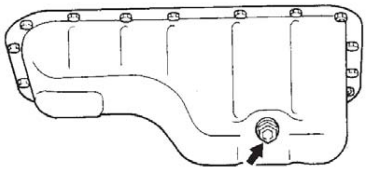
56KN054

1) Remove the oil filler cap.
2) Place a drain pan under the drain plug.
3) Using a wrench, remove the drain plug and drain out the engine oil.

⚠ CAUTION

The engine oil temperature may be high enough to burn your fingers when the drain plug is loosened. Wait until the drain plug is cool enough to touch with your bare hands.

EXAMPLE



60G306

Tightening torque for drain plug
Petrol engine:
35 Nm (3.5 kg-m, 25.3 lb-ft)
Diesel engine:
20 Nm (2.0 kg-m, 14.5 lb-ft)

⚠ WARNING

New and used oil can be hazardous. Children and pets may be harmed by swallowing new or used oil. Keep new and used oil and used oil filters away from children and pets.
Repeated, prolonged contact with used engine oil may cause skin cancer.
Brief contact with used oil may irritate skin.
To minimize your exposure to used oil, wear a long-sleeve shirt and moisture-proof gloves (such as dishwashing gloves) when changing oil. If oil contacts your skin, wash thoroughly with soap and water.
Launder any clothing or rags if wet with oil.
Recycle or properly dispose of used oil and filters.

4) Reinstall the drain plug with new gasket. Tighten the plug with a wrench to the specified torque.

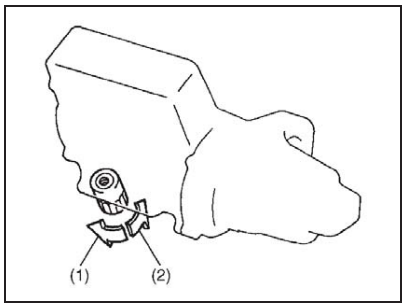
Replace the Oil Filter

(For Petrol Engine Model)

1) Using an oil filter wrench, turn the oil filter counterclockwise and remove it.
2) Using a clean rag, wipe off the mounting surface on the engine where the new filter will be seated.

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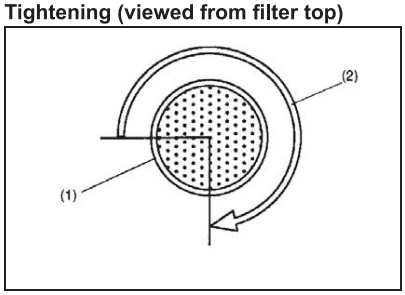
3) Smear a little engine oil around the rubber gasket of the new oil filter.
4) Screw on the new filter by hand until the filter gasket contacts the mounting surface.



54G092

(1) Loosen
(2) Tighten

Tightening (viewed from filter top)



54G093

(1) Oil filter
(2) 3/4 turn

NOTICE
To tighten the oil filter properly, it is important to accurately identify the position at which the filter gasket first contacts the mounting surface.

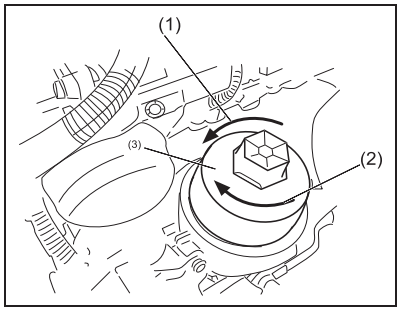
5) Tighten the filter specified turn from the point of contact with the mounting surface (or to the specified torque) using an oil filter wrench.

Tightening torque for oil filter
3/4 turn or
Petrol engine:
14 Nm (1.4 kg-m, 10.1 lb-ft)

(For Diesel Engine Model)

NOTE:
Since special procedures and tools are required, it is recommended that you trust this job to your authorized MARUTI SUZUKI dealer.

1) Using a socket or a ring spanner remove oil filter housing cover (3).



61M7001

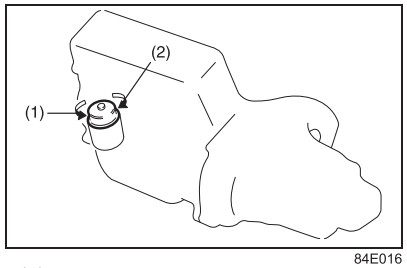
(1) Loosen
(2) Tighten

2) Remove the old oil filter element and replace it with a new oil filter element.
3) Clean the surface of oil filter cap and replace the O-ring.
4) Tighten the oil filter housing cover on the oil filter housing using a socket or ring spanner to the specified torque.

Tightening torque for oil filter
Diesel engine:
25 Nm (2.5 kg-m, 18.5 lb-ft)

NOTICE
To prevent oil leakage, make sure that the oil filter is tight, but do not over-tighten it.

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84E016

(1) Loosen
(2) Tighten

NOTICE

To tighten the oil filter properly, it is important to accurately identify the position at which the filter gasket first contacts the mounting surface.

5) Tighten the filter specified turn from the point of contact with the mounting surface (or to the specified torque) using an oil filter wrench.

Tightening torque for oil filter
Diesel engine:
25 Nm (2.5 kg-m, 18.5 lb-ft)

NOTICE

To prevent oil leakage, make sure that the oil filter is tight, but do not over-tighten it.

Refill with Oil and Check for Leaks

1) Pour oil through the filler hole and install the filler cap.
   For the approximate capacity of the oil, refer to the "Capacities" item in the "SPECIFICATIONS" section.
2) Start the engine and look carefully for leaks at the oil filter and drain plug. Run the engine at various speeds for at least 5 minutes.
3) Stop the engine and wait about 5 minutes. Check the oil level again and add oil if necessary. Check for leaks again.

NOTICE

- **When replacing the oil filter, it is recommended that you use a genuine Maruti replacement filter. If you use an aftermarket filter, make sure it is of equivalent quality and follow the manufacturer's instructions.**
- **Oil leaks from around the oil filter or drain plug indicate incorrect installation or gasket damage. If you find any leaks or are not sure that the filter has been properly tightened, have the vehicle inspected by your MARUTI SUZUKI dealer.**

Engine Coolant

Selection of Coolant

To maintain optimum performance and durability of your engine, use Maruti I Genuine Coolant or equivalent.

This type of coolant is best for your cooling system as it:

- Helps maintain proper engine temperature.
- Gives proper protection against freezing and boiling.
- Gives proper protection against corrosion and rust.

Failure to use the proper coolant can damage your cooling system. Your authorized MARUTI SUZUKI dealer can help you select the proper coolant.

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NOTICE

To avoid damaging your cooling system:
- **Always use a high quality ethylene glycol base non-silicate type coolant diluted with distilled water at the correct mixture concentration.**
- **Make sure that the proper mix is 50/50 coolant to distilled water (Diesel) and 30/70 (Petrol). Concentrations greater than this may cause overheating conditions.**
- **Do not use straight coolant nor plain water.**
- **Do not add extra inhibitors or additives. They may not be compatible with your cooling system.**
- **Do not mix different types of base coolants. Doing so may result in accelerated seal wear and/or the possibility of severe overheating and extensive engine/automatic transaxle damage.**

Coolant Level Check

Check the coolant level at the reservoir tank, not at the radiator. With the engine cool, the coolant level should be between the "FULL" and "LOW" marks.

Adding Coolant

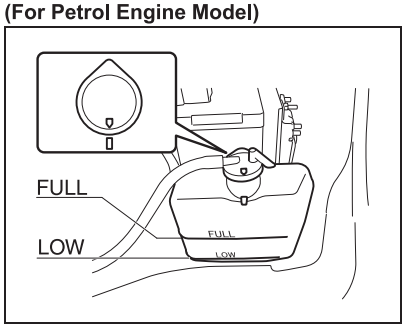
⚠ WARNING

Swallowing engine coolant can cause severe injury or death. Inhaling coolant mist or vapors or getting coolant in your eyes could result in severe injury.
- **Do not drink antifreeze or coolant solution. If swallowed, do not induce vomiting. Immediately contact a poison control center or a physician.**
- **Avoid inhaling coolant mist or hot vapors. If inhaled, remove to a fresh air area.**
- **If coolant gets in the eyes, flush with water and seek medical attention.**
- **Wash thoroughly after handling coolant.**
- **Keep engine coolant out of the reach of children and pets.**

NOTICE

- **The mixture you use should contain 50% concentration of antifreeze.**
- **If the lowest ambient temperature in your area is expected to be –35°C (–31°F) or below, use higher concentrations up to 60% following the instructions on the antifreeze container.**

(For Petrol Engine Model)



60MH043

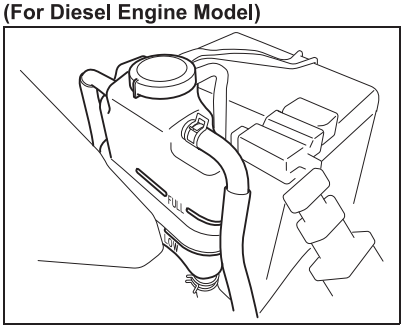
If the coolant level is below the "LOW" mark, more coolant should be added. Remove the reservoir tank cap and add coolant until the reservoir tank level reaches the "FULL" mark. Never fill the reservoir tank above the "FULL" mark.

NOTICE

When putting the cap on the reservoir tank, line up the mark on the cap and the mark on the tank. Failure to follow this can result in coolant leakage.

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(For Diesel Engine Model)



60MH134

⚠ WARNING

It is hazardous to remove the reservoir tank cap (degassing tank cap) for a diesel engine when the water temperature is high, because scalding fluid and steam may be blown out under pressure. Wait until the coolant temperature has lowered before removing the cap.

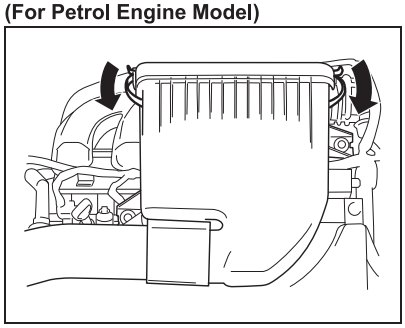
If the coolant level is below the "LOW" mark, more coolant should be added. When the engine is cool, remove the degassing tank cap by turning it anticlockwise slowly to release any pressure. And add coolant until the degassing tank level reaches the "FULL" mark. Never fill the degassing tank above the "FULL" mark.

Coolant Replacement

Since special procedures are required, we recommend you take your vehicle to your MARUTI SUZUKI dealer for coolant replacement.

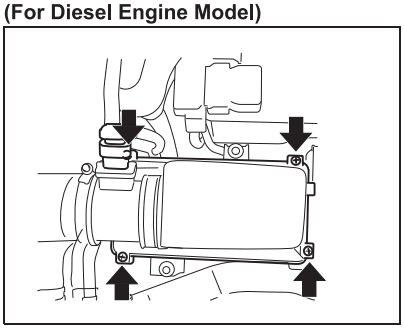
Air Cleaner

(For Petrol Engine Model)



60MH045

(For Diesel Engine Model)



74LHT0702

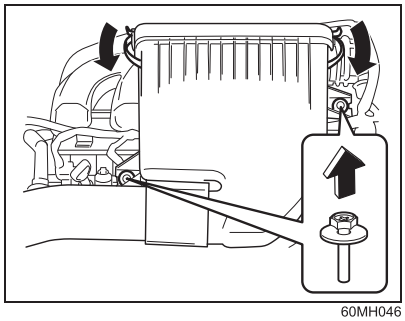
If the air cleaner is clogged with dust, there will be greater intake resistance, resulting in decreased power output and increased fuel consumption.

Unclamp the side clamps or loosen the screws, and remove the element from the air cleaner case. If it appears to be dirty, replace it with a new one.
Clamp the side clamps or tighten the screws securely.

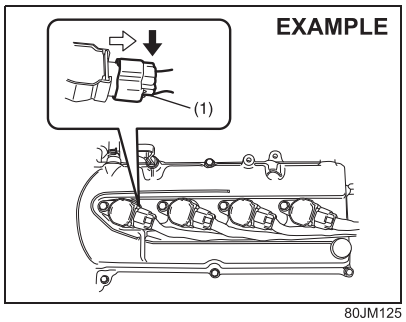
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Spark Plugs

For nickel spark plugs (traditional type):
You should inspect spark plugs periodically for carbon deposits. When carbon accumulates on a spark plug, a strong spark may not be produced. Remove carbon deposits with a wire or pin and adjust the spark plug gap.



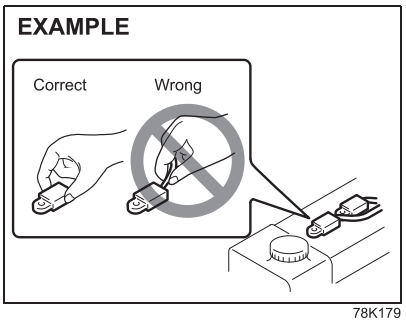
60MH046



80JM125

To access the spark plug:
1) Unclamp the side clamps and loosen the screws, then remove the air cleaner case.
2) If necessary, disconnect the coupler (1) while pushing the release lever.
3) Remove the ignitor bolts.
4) Pull the spark plug boots out.

NOTE:
When installation, make sure the wires, couplers, sealing rubber of air cleaner assy and washers, are correctly returned in place.

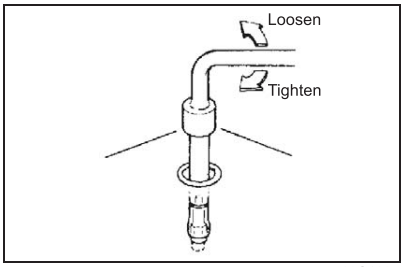


78K179

NOTICE

- **When disconnecting the spark plug cables, pull on the boot, not on the cable itself. Pulling on the cable can damage it.**
- **When servicing the iridium/platinum spark plugs (slender center electrode type plugs), do not touch the center electrode, as it is easy to damage.**

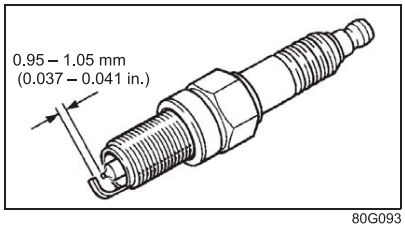
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60G160A

NOTICE

- **When installing the spark plugs, screw them in with your fingers to avoid stripping the threads. Tighten with a torque wrench to 17.5 Nm (1.8 kg-m, 13.0 lb-ft). Do not allow contaminants to enter the engine through the spark plug holes when the plugs are removed.**
- **Never use spark plugs with the wrong thread size.**



80G093

NOTICE

When replacing spark plugs, you should use the brand and type specified for your vehicle. For the specified plugs, refer to the "SPECIFICATIONS" section at the end of this book. If you wish to use a brand of spark plug other than the specified plugs, consult your MARUTI SUZUKI dealer.

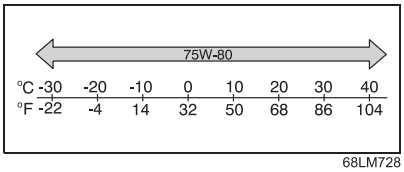
Gear Oil

Specified Gear Oil

When adding gear oil, use gear oil with the appropriate viscosity and grade as shown in the chart below.

We highly recommend you use:
"MARUTİ SUZUKI GEAR OIL 75W-80" for manual transaxle gear oil.

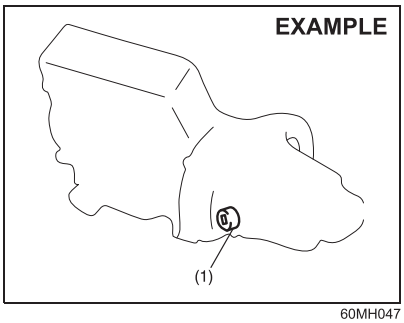
Manual transaxle oil



68LM728

Gear Oil Level Check

Manual transaxle



60MH047

(1) Oil filler and level plug

To check the gear oil level, use the following procedure:

1) Park the vehicle on a level surface with the parking brake applied. Then, stop the engine.
2) Remove the oil filler and level plug (1).

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3) Check the inside of the hole with your finger. If the oil level comes up to the bottom of the plug hole, the oil level is correct. If so, reinstall the plug.
4) If the oil level is low, add gear oil through the oil filler and level plug hole (1) until the oil level reaches the bottom of the filler hole, then reinstall the plug.

Tightening torque for oil filler and level plug (1)
Manual transaxle:
21 Nm (2.1 kg-m, 15.2 lb-ft)

⚠ CAUTION

After driving the vehicle, the gear oil temperature may be high enough to burn you. Wait until the oil filler plug is cool enough to touch with your bare hands before inspecting gear oil level.

NOTICE

When tightening the plug, apply the following sealing compound or equivalent to the plug threads to prevent oil leakage.

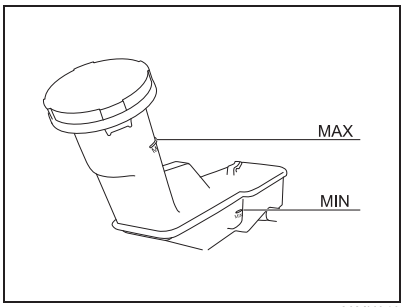
SUZUKI Bond No. "1216E" or "1217G"

Gear Oil Change

Since special procedures, materials and tools are required, it is recommended that you trust this job to your authorized MARUTI SUZUKI dealer.

Clutch Pedal

Fluid Control Clutch



60MH048

Check the clutch pedal for smooth operation and clutch fluid level from time to time. If clutch dragging is felt with the pedal fully depressed, have the clutch inspected by your MARUTI SUZUKI dealer. If the clutch fluid level is near the "MIN" line, fill it up to the "MAX" line with Maruti Genuine Brake Fluid (MGBF) or DOT 3.
We highly recommend to use "Maruti Genuine Brake Fluid" (MGBF).

Automatic Transaxle (AT) Fluid

Specified Fluid

Use an automatic transaxle fluid SUZUKI AT OIL AW-1.

Fluid Level Check

NOTICE

Driving with too much or too little fluid can damage the transaxle.

You must check the fluid level with the automatic transaxle fluid at normal operating temperature.

To check the fluid level:
1) To warm up the transaxle fluid, drive the vehicle or idle the engine until the temperature gauge indicates normal operating temperature.
2) Then drive for ten more minutes.

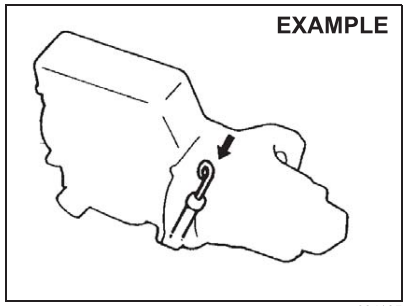
NOTICE

Be sure to use the specified automatic transaxle fluid. Using automatic transaxle fluid other than SUZUKI AT OIL AW-1 may damage the automatic transaxle of your vehicle.

NOTE:
Do not check the fluid level if you have just driven the vehicle for a long time at high

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speed, if you have driven in city traffic in hot weather. Wait until the fluid cools down (about 30 minutes), or the fluid level indication will not be correct.

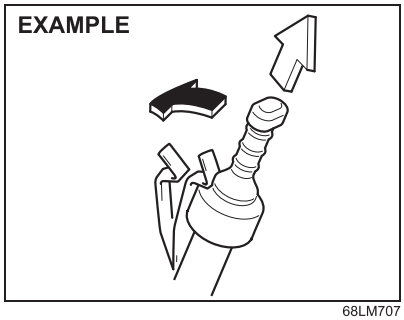


63J125

3) Park your vehicle on level ground.
4) Apply the parking brake and then start the engine in "P" (Park). Let it idle for two minutes and keep it running during the fluid level check.
5) With your foot on the brake pedal, move the gearshift lever through each range, pausing for about three seconds in each range. Then move it back to the "P" (Park) position.

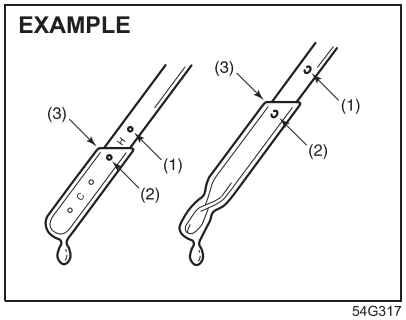
⚠ WARNING

Be sure to depress the brake pedal when moving the gearshift lever, or the vehicle can move suddenly.



68LM707

6) The handle of the A/T fluid dipstick is colored orange for easy identification. Remove the dipstick, clean it and push it back in until the cap seats. Then pull out the dipstick.
7) Check both sides of the dipstick, and read the lowest level. The fluid level should be between the two marks in the "HOT" range on the dipstick.



54G317

(1) FULL HOT
(2) LOW HOT
(3) The lowest point = Fluid level

8) Add just enough specified fluid through the dipstick hole to fill the transaxle oil to the proper level.

NOTICE

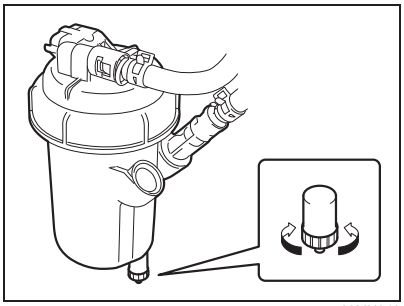
After checking or adding oil, be sure to insert the dipstick securely.

Changing Oil

Since special procedures, materials, and tools are required to change the automatic transaxle oil, it is recommended that you trust this job to your authorized MARUTI SUZUKI dealer.

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Fuel Filter (Diesel engine)



60MH049

The fuel filter works as a water sedimentor as well.

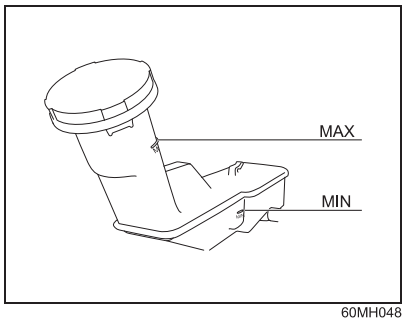
Drain water according to the Periodic Maintenance Schedule. To drain water:

1) Remove the battery. (Refer to "Battery" in this section.)
2) Place a pan or ample rag under the fuel filter drain nozzle.
3) Loosen the drain knob. The water will be drained.
4) Tighten the drain knob when the water changes to the diesel fuel.
5) Tighten the drain knob.

Tightening torque for drain knob
1.5 Nm (0.15 kg-m, 1.1 lb-ft)

Brakes

Brake Fluid



60MH048

Check the brake fluid level by looking at the reservoir in the engine compartment. Check that the fluid level is between the "MAX" and "MIN" lines. If the brake fluid level is near the "MIN" line, fill it up to the "MAX" line with Maruti Genuine Brake Fluid (MGBF) or DOT 3.
We highly recommend to use "Maruti Genuine Brake Fluid" (MGBF).

⚠ WARNING

Failure to follow the guidelines below can result in personal injury or serious damage to the brake system.

- **If the brake fluid in the reservoir drops below a certain level, the brake warning light on the instrument panel will come on (the engine must be running with the parking brake fully disengaged). Should the light come on, immediately ask your MARUTI SUZUKI dealer to inspect the brake system.**
- **A rapid fluid loss indicates a leak in the brake system which should be inspected by your MARUTI SUZUKI dealer immediately.**
- **Do not use any fluid other than Maruti Genuine Brake Fluid (MGBF) or DOT 3. Do not use reclaimed fluid or fluid that has been stored in old or open containers. It is essential that foreign particles and other liquids are kept out of the brake fluid reservoir.**

⚠ CAUTION

Brake fluid can harm your eyes and damage painted surfaces. Use caution when refilling the reservoir.

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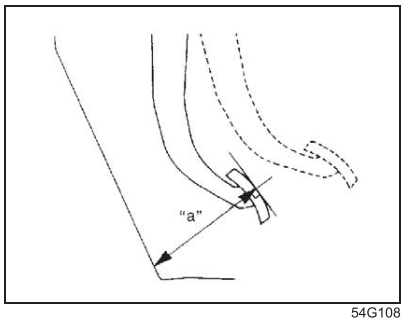
⚠ WARNING

Brake fluid is harmful or fatal if swallowed, and harmful if it comes in contact with skin or eyes. If swallowed, do not induce vomiting. Immediately contact a poison control center or a physician. If brake fluid gets in eyes, flush eyes with water and seek medical attention. Wash thoroughly after handling. Solution can be poisonous to animals. Keep out of the reach of children and animals.

NOTE:
With disc brakes, the fluid level can be expected to gradually fall as the brake pads wear.

Brake Pedal

Check if the brake pedal stops at the regular height without "spongy" feeling when you depress it. If not, have the brake system inspected by your MARUTI SUZUKI dealer. If you doubt the brake pedal for the regular height, check it as follows:

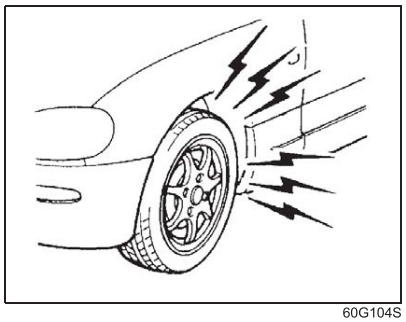


54G108

Pedal to floor carpet minimum distance "a": 59 mm (2.3 in.)

With the engine running, measure the distance between the brake pedal and floor carpet when the pedal is depressed with approximately 30 kg (66 lbs) of force. The minimum distance required is as specified. Since your vehicle's brake system is self-adjusting, there is no need for pedal adjustment.
If the pedal to floor carpet distance as measured above is less than the minimum distance required, have your vehicle inspected by your MARUTI SUZUKI dealer.

NOTE:
When measuring the distance between the brake pedal and floor wall, be sure not to include the floor mat or rubber on the floor wall in your measurement.



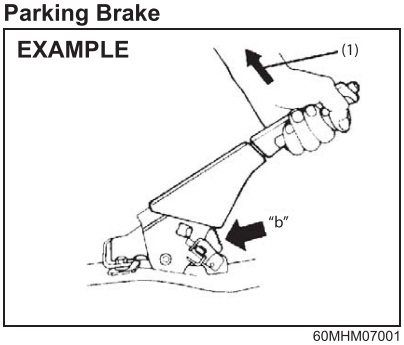
60G104S

⚠ WARNING

If you experience any of the following problems with your vehicle's brake system, have the vehicle inspected immediately by your MARUTI SUZUKI dealer.
- **Poor braking performance**
- **Uneven braking (brakes not working uniformly on all wheels.)**
- **Excessive pedal travel**
- **Brake dragging**
- **Excessive noise**

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Parking Brake

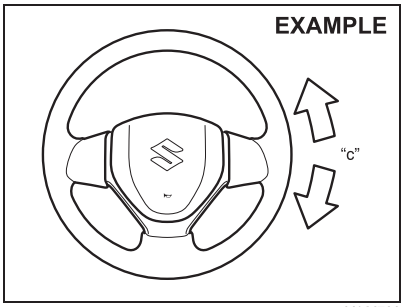


60MHM07001

Ratchet tooth specification "b":
4th – 9th
Lever pull force (1):
200 N (20 kg, 44 lbs)

Check the parking brake for proper adjustment by counting the number of clicks made by the ratchet teeth as you slowly pull up on the parking brake lever to the point of full engagement. The parking brake lever should stop between the specified ratchet teeth and the rear wheels should be securely locked. If the parking brake is not properly adjusted or the brakes drag after the lever has been fully released, have the parking brake inspected and/or adjusted by your MARUTI SUZUKI dealer.

Steering



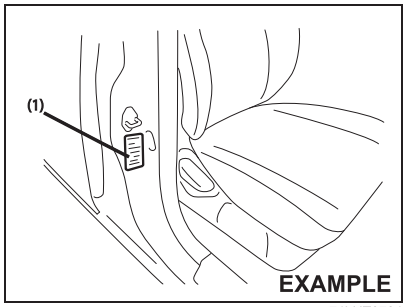
68LM708

Steering wheel play "c":
0 – 30 mm (0.0 – 1.2 in.)

Check the play of the steering wheel by gently turning it from left to right and measuring the distance that it moves before you feel slight resistance. The play should be between the specified values.

Check that the steering wheel turns easily and smoothly without rattling by turning it all the way to the right and to the left while driving very slowly in an open area. If the amount of free play is outside the specification or you find anything else to be wrong, an inspection must be performed by your MARUTI SUZUKI dealer.

Tires



74LHT0704

The front and rear tire pressure specifications for your vehicle are listed on the Tire Information Label(1). Both the front and rear tires should have the specified tire pressure.
Note that the value does not apply to the compact spare tire, if equipped.

Tire Inspection

Inspect your vehicle's tires at least once a month by performing the following checks:

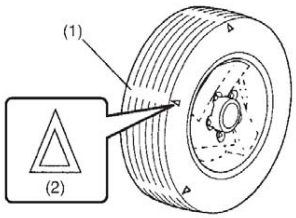
1) Measure the air pressure with a tire gauge. Adjust the pressure if necessary. Remember to check the spare tire, too.

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⚠ WARNING

- **Air pressures should be checked when the tires are cold or you may get inaccurate readings.**
- **Check the inflation pressure from time to time while inflating the tire gradually, until the specified pressure is obtained.**
- **Never underinflate or overinflate the tires.**
  Underinflation can cause unusual handling characteristics or can cause the rim to slip on the tire bead, resulting in an accident or damage to the tire or rim.
  Overinflation can cause the tire to burst, resulting in personal injury. Overinflation can also cause unusual handling characteristics which may result in an accident.

EXAMPLE



54G136

(1) Tread wear indicator
(2) Indicator location mark

2) Check that the depth of the tread groove is more than 1.6 mm (0.06 in.). To help you check this, the tires have molded-in tread wear indicators in the grooves. When the indicators appear on the tread surface, the remaining depth of the tread is 1.6 mm (0.06 in.) or less and the tire should be replaced.
3) Check for abnormal wear, cracks and damage. Any tires with cracks or other damage should be replaced. If any tires show abnormal wear, have them inspected by your MARUTI SUZUKI dealer.

⚠ CAUTION

Hitting curbs and running over rocks can damage tires and affect wheel alignment. Be sure to have tires and wheel alignment checked periodically by your MARUTI SUZUKI dealer.

4) Check for loose wheel nuts.
5) Check that there are no nails, stones or other objects sticking into the tires.

⚠ WARNING

- **Your MARUTI SUZUKI is equipped with tires which are all the same type and size. This is important to ensure proper steering and handling of the vehicle. Never mix tires of different size or type on the four wheels of your vehicle.**
- **Replacing the wheels and tires equipped on your vehicle with certain combinations of aftermarket wheels and tires can significantly change the steering and handling characteristics of your vehicle.**
- **Therefore, use only those wheel and tire combinations approved by MARUTI SUZUKI as standard or optional equipment for your vehicle.**

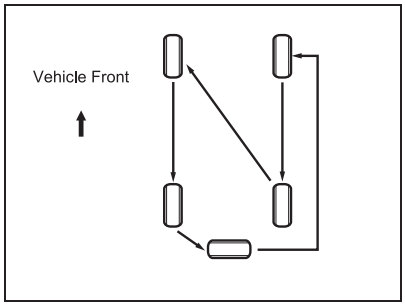
NOTICE

Replacing the original tires with tires of a different size may result in false speedometer or odometer readings. Check with your MARUTI SUZUKI dealer before purchasing replacement tires that differ in size from the original tires.

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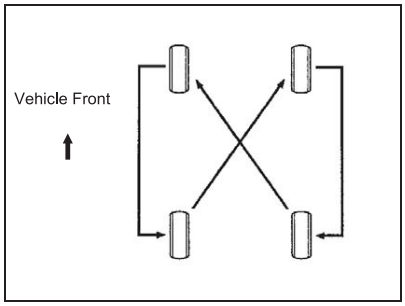
Tire Rotation

5-tire rotation



80JK040

4-tire rotation



54G114

To avoid uneven wear of your tires and to prolong their life, rotate the tires as illustrated. Tires should be rotated every 10000 km. After rotation, adjust front and rear tire pressures to the specification listed on your vehicle's Tire Information Label.

Battery

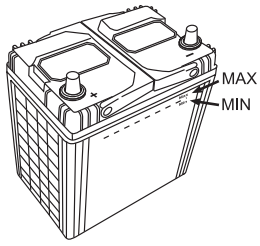
⚠ WARNING

- **Batteries produce flammable hydrogen gas. Keep flames and sparks away from the battery or an explosion may occur. Never smoke when working in the vicinity of the battery.**
- **When checking or servicing the battery, disconnect the negative cable. Be careful not to cause a short circuit by allowing metal objects to contact the battery posts and the vehicle at the same time.**
- **To avoid harm to yourself or damage to your vehicle or battery, follow the jump starting instructions in the "EMERGENCY SERVICE" section of this manual if it is necessary to jump start your vehicle.**

NOTICE

If your vehicle is equipped with the ENG A-STOP system, only use the vehicle battery type (Exide Conservo DIN70) that have been approved by MARUTI SUZUKI vehicle manufacture, otherwise you could damage your vehicle, and the ENG A-STOP system could not be available. If a vehicle battery has to be replaced, consult your authorized MARUTI SUZUKI dealer.

EXAMPLE



54G118

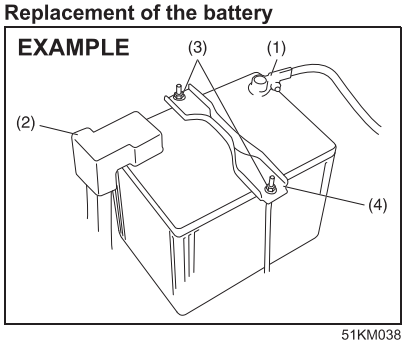
For maintenance-free battery (cap-less type), you need not add water. For traditional type battery, which has water filler caps, the level of the battery solution must be kept between the "MAX" and the "MIN" level lines at all times. If the level is found to be below the "MIN" level line, add distilled

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water to the “MAX” level line. You should periodically check the battery, battery terminals, and battery hold-down bracket for corrosion. Remove corrosion using a stiff brush and ammonia mixed with water, or baking soda mixed with water. After removing corrosion, rinse with clean water.

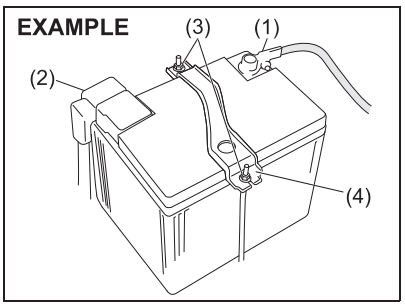
If your vehicle is not going to be driven for a month or longer, disconnect the cable from the negative terminal of the battery to help prevent discharge.

Replacement of the battery



51KM038

(For Diesel EngineModel with SHVS system)



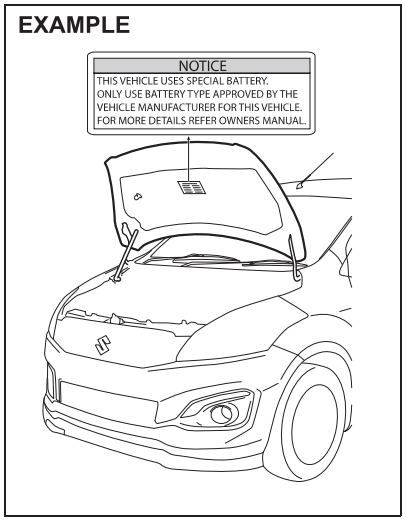
79MH10702

To remove the battery:
1) Disconnect the negative cable (1).
2) Disconnect the positive cable (2).
3) Remove the retainer nuts (3) and remove the retainer (4).
4) Remove the battery.

To install the battery:
1) Install the battery in the reverse order of removal.
2) Tighten the retainer nuts and battery cables securely.

NOTE:
When the battery is disconnected, some of the vehicle’s function will be initialized and/or deactivated.
These function are required to reset after the battery is reconnected.

NOTICE
Do not use regular battery in ISG Vehicle. Use only Exide Conservo DIN70 battery, else it may deteriorate SHVS performance.



60MM07001

You may find this label on the inside of hood.

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Fuses

Your vehicle has three types of fuses, as described below:

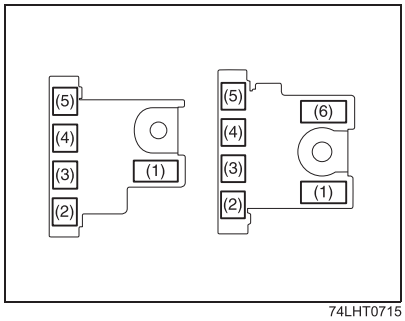
Main fuse
The main fuse takes current directly from the battery.

Primary fuses
These fuses are between the main fuse and individual fuses, and are for electrical load groups.

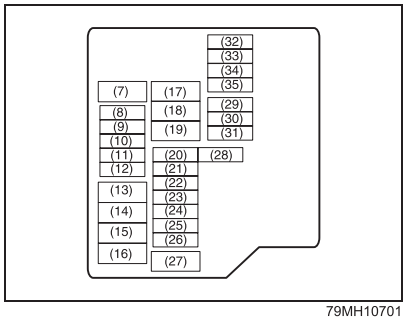
Individual fuses
These fuses are for individual electrical circuits.

To remove a fuse, use the fuse puller provided in the fuse box cover.

Fuses in the Engine Compartment



74LHT0715

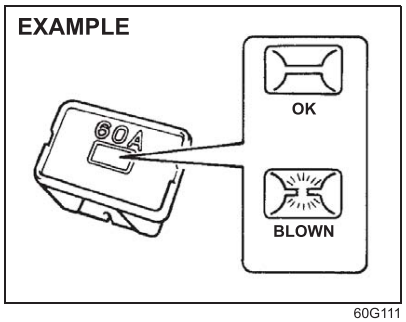


79MH10701

MAIN FUSE / PRIMARY FUSE		
(1)	100 A	FL1 (GAS)
	120 A	FL1 (DIESEL without ISG)
	450 A	FL1 (DIESEL with ISG)
(2)	100 A	FL2
(3)	100 A	FL3
(4)	50 A	FL4
(5)	80 A	FL5
(6)	100 A	FL6 (DIESEL)
(7)	50 A	Ignition switch -2
(8)	7.5 A	ECM (DIESEL)
(9)	15 A	A/T controller
(10)	20 A	Fuel pump (DIESEL)
(11)	10 A	Air compressor
(12)	15 A	FI (GAS)
(13)	30 A	FI (DIESEL)
(14)	60 A	Power steering
(15)	30 A	Radiator fan
(16)	40 A	ABS motor
(17)	40 A	Blower fan
(18)	30 A	Starting motor
(19)	–	Blank
(20)	30 A	Back up
(21)	30 A	DCDC
(22)	15 A	Head light (Left)
(23)	25 A	ABS control module
(24)	15 A	Head light (Right)
(25)	20 A	Front fog light
(26)	7.5 A	(CNG Valve)
(27)	40 A	Ignition switch
(28)	7.5 A	Starting Signal
(29)	20 A	INJ DRV (DIESEL)
(30)	10 A	FI2 (DIESEL)
(31)	–	Blank
(32)	–	Blank
(33)	–	Blank
(34)	7.5 A	(CNG)
(35)	7.5 A	Wiper sub (DIESEL with ISG)

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The main fuse, primary fuses and some of the individual fuses are located in the engine compartment. If the main fuse blows, no electrical component will function. If a primary fuse blows, no electrical component in the corresponding load group will function. When replacing the main fuse, a primary fuse or an individual fuse, use a genuine MARUTI SUZUKI replacement.
To remove a fuse, use the fuse puller provided in the fuse box. The amperage of each fuse is shown in the back of the fuse box cover.



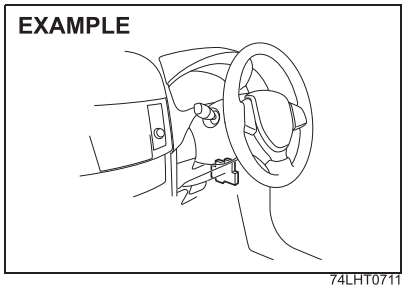
60G111

⚠ WARNING

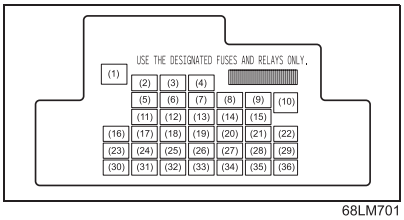
If the main fuse or a primary fuse blows, be sure to have your vehicle inspected by an authorized MARUTI SUZUKI dealer. Always use a genuine MARUTI SUZUKI replacement. Never use a substitute such as a wire even for a temporary repair, or extensive electrical damage and a fire can result.

NOTE:
Make sure that the fuse box always carries spare fuses.

Fuses under the Dash Board



74LHT0711

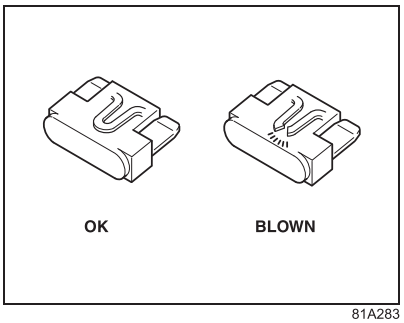


68LM701

PRIMARY FUSE		
(1)	–	Blank
(2)	–	Blank
(3)	20 A	Steering lock
(4)	20 A	Rear defogger
(5)	–	Blank
(6)	–	Blank
(7)	–	Blank
(8)	7.5 A	Starting Signal
(9)	15 A	ACC-2
(10)	30 A	Power window
(11)	10 A	Hazard
(12)	7.5 A	BCM
(13)	15 A	Ignition coil
(14)	10 A	ABS control module

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(15)	15 A	ACC
(16)	10 A	A-STOP controller
(17)	15 A	Horn
(18)	10 A	Stop light
(19)	10 A	Air bag
(20)	10 A	Back-up light
(21)	15 A	Rear wiper / Washer
(22)	25 A	Front wiper
(23)	7.5 A	Dome light
(24)	–	Blank
(25)	–	Blank
(26)	–	Blank
(27)	7.5 A	Ignition-1 signal
(28)	15 A	Radio 2
(29)	10 A	ACC-3
(30)	15 A	Radio
(31)	10 A	Tail lamp
(32)	20 A	D/L
(33)	–	Blank
(34)	10 A	Meter
(35)	7.5 A	Ignition-2 signal
(36)	–	Blank



81A283

⚠ WARNING

Always be sure to replace a blown fuse with a fuse of the correct amperage. Never use a substitute such as aluminum foil or wire to replace a blown fuse. If you replace a fuse and the new one blows in a short period of time, you may have a major electrical problem. Have your vehicle inspected immediately by your MARUTI SUZUKI dealer.

Headlight Aiming

Since special procedures are required, we recommend you take your vehicle to your MARUTI SUZUKI dealer for headlight alignment.

Bulb Replacement

⚠ CAUTION

- **Light bulbs can be hot enough to burn your finger right after being turned off. This is true especially for halogen headlight bulbs. Replace the bulbs after they become cool enough.**
- **The headlight bulbs are filled with pressurized halogen gas. They can burst and injure you if they are hit or dropped. Handle them carefully.**

NOTICE

The oils from your skin may cause a halogen bulb to overheat and burst when the lights are on. Grasp a new bulb with a clean cloth.

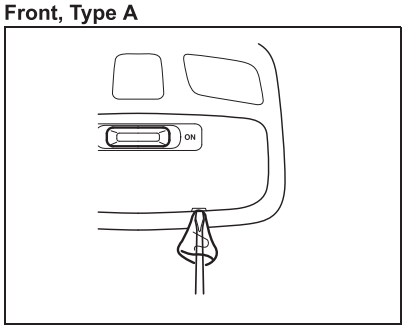
NOTICE

Frequent replacement of a bulb indicates the need for an inspection of the electrical system. This should be carried out by your MARUTI SUZUKI dealer.

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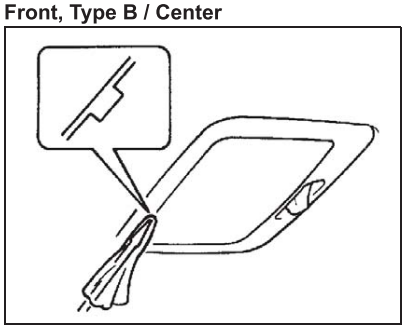
Interior Light

Front, Type A



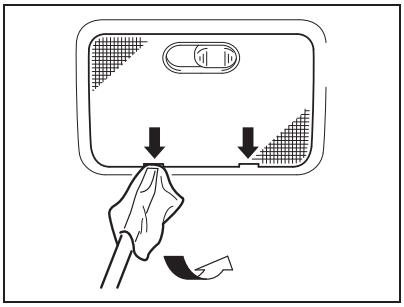
76MH0A139

Front, Type B / Center



60G115

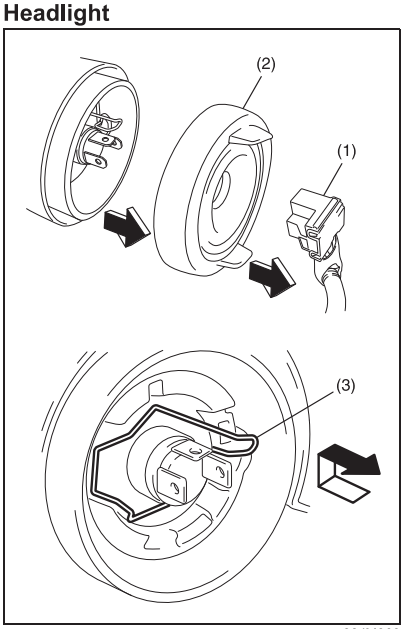
Rear



67LH084

Pull down the lens by using a flat blade screwdriver covered with a soft cloth as shown. To install it, simply push it back in. The bulb can be removed by simply pulling it out. When replacing the bulb, make sure that the contact springs are holding the bulb securely.

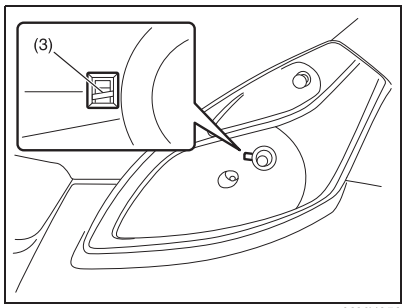
Headlight



80JM069

Open the engine hood. Disconnect the coupler (1). Remove the sealing rubber (2). Push the retaining spring (3) forward and unhook it. Then remove the bulb. Install a new bulb in the reverse order of removal.

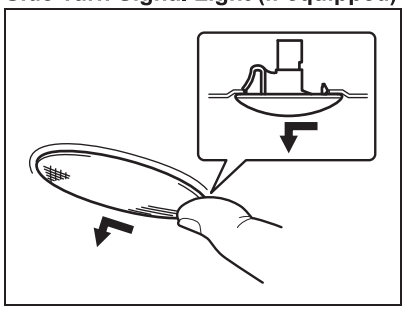
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60MH050

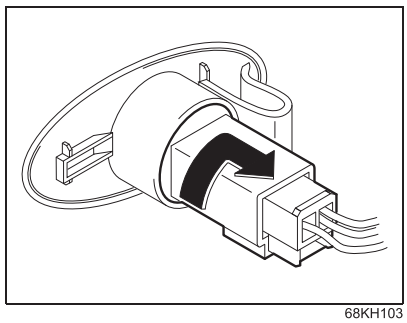
NOTE:
You can see the position of retaining spring (3) from the hole of headlight.

Side Turn Signal Light (if equipped)



64J195

Remove the light housing by sliding to left with your finger.

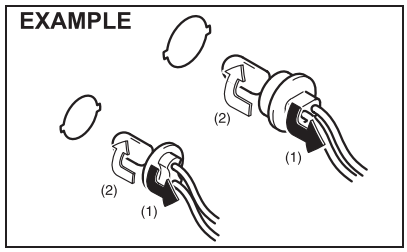


68KH103

To remove a bulb holder from a light housing, turn the holder clockwise and pull it out. Then remove the bulb. Install a new bulb in the reverse order.

Other General Lights

Bulb holder

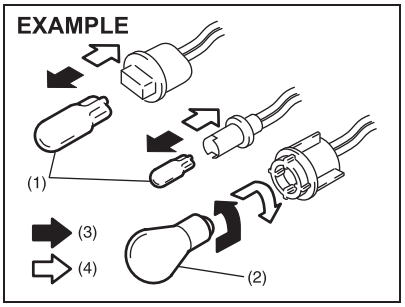


54G123

(1) Removal
(2) Installation

To remove a bulb holder from a light housing, turn the holder counterclockwise and pull it out. To install the holder, push the holder in and turn it clockwise.

Bulb



54G124

(3) Removal
(4) Installation

There are two types of bulb, “Full glass type” (1) and “Glass/metal type” (2).

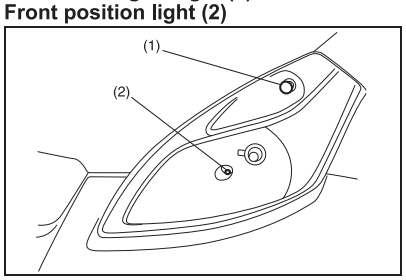
To remove and install a full glass type bulb (1), simply pull out or push in the bulb.

To remove a glass metal type bulb (2) from a bulb holder, push in the bulb and turn it counterclockwise. To install a new bulb, push it in and turn it clockwise.

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You can access the individual bulb or bulb holders as follows.

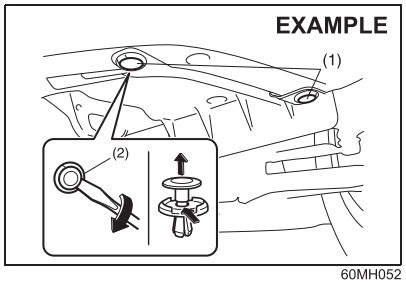
Front turn signal light (1)
Front position light (2)



60MH051

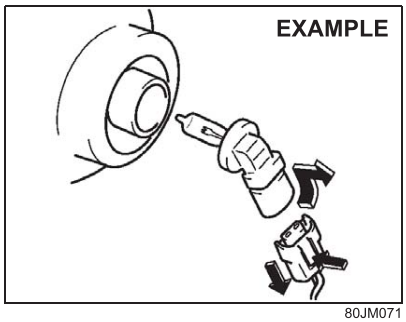
Front fog light (if equipped)

1) Start the engine. Turn the steering wheel to the opposite side of the replacing fog light to replace the bulb easily. Then turn off the engine.



60MH052

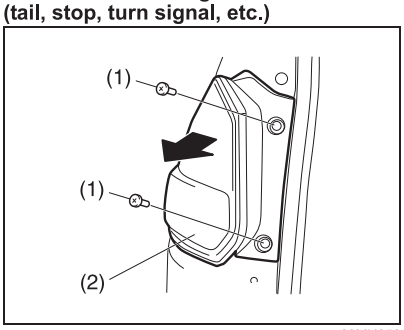
2) Insert a flat blade screwdriver into the hole (2) and remove the clips (1) by twist the driver as shown in the illustration.



80JM071

3) Open the fender cover. Disconnect the coupler with pushing the lock release. Turn the bulb holder counterclockwise and remove it.

Rear combination light (tail, stop, turn signal, etc.)



60MH053

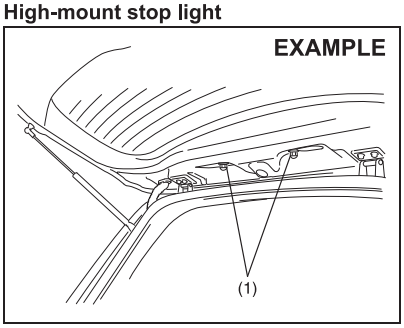
Remove the screw (1). Remove the combination light (2) by pulling it outside.

License plate light

Since special procedures are required, we recommend you take your vehicle to your MARUTI SUZUKI dealer for bulb replacement.

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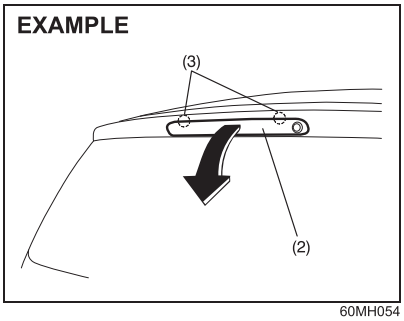
High-mount stop light



80J100

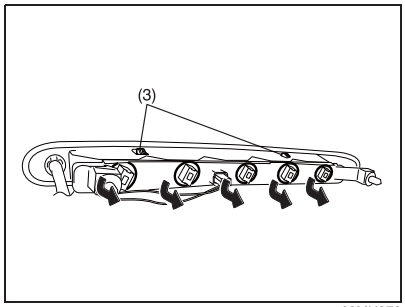
To remove a high-mount stop light housing the following procedure:

1) Open the tailgate, and remove the nuts (1) as shown in the illustration.



60MH054

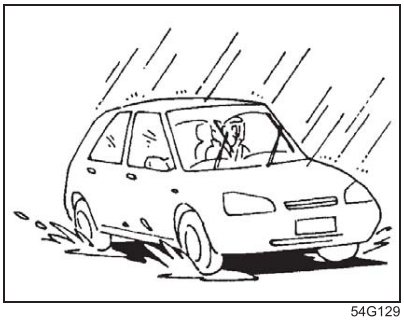
2) Close the tailgate. Release the claws (3) of the light housing by a flat blade screwdriver, etc. The claws are shown in the next illustration. Remove a high-mount stop light housing (2) from the tailgate.



60MH070

3) Remove the each bulb.
4) Replace the bulbs.
   To install a high-mounted stop light housing in the reverse order of removal.

Wiper Blades



54G129

If the wiper blades become brittle or damaged, or make streaks when wiping, replace the wiper blades.

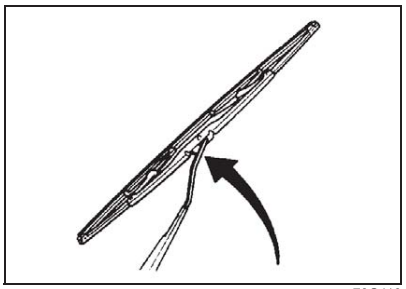
To install new wiper blades, follow the procedures below.

NOTICE
To avoid scratching or breaking the window, do not let the wiper arm strike the window while replacing the wiper blade.

NOTE:
Some wiper blades may be different from the ones described here depending on vehicle specifications. If so, consult your MARUTI SUZUKI dealer for proper replacement method.

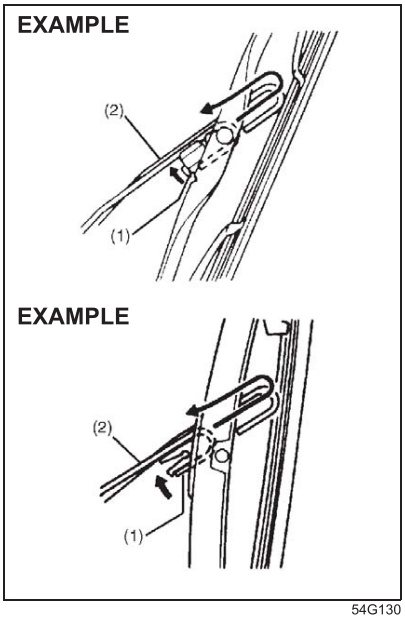
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For windshield wipers:



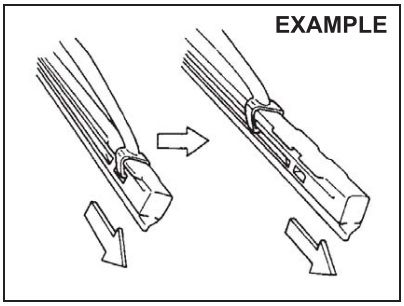
70G119

1) Hold the wiper arm away from the window.

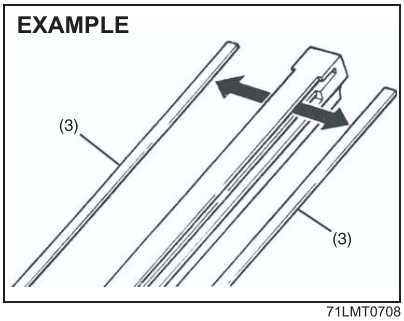


54G130

2) Squeeze lock (1) towards wiper arm (2) and remove the wiper frame from the arm as shown.
3) Unlock the lock end of the wiper blade and slide the blade out as shown.



60A260

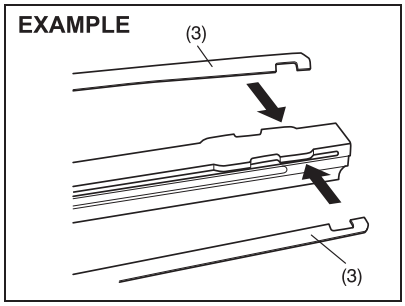


71LMT0708

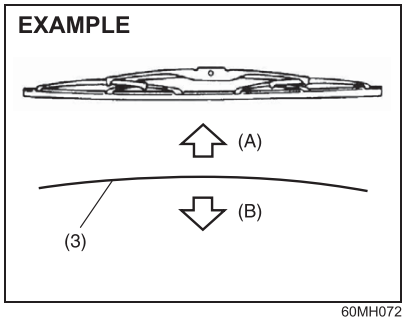
(3) Retainer

4) If the new blade is provided without the two metal retainers, move them from the old blade to the new one.

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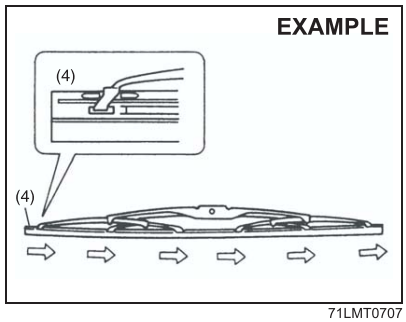
60MH071



60MH072

(A) Up
(B) Down

NOTE:
When you install the metal retainers (3), make sure the direction of metal retainers as shown in the above illustrations.

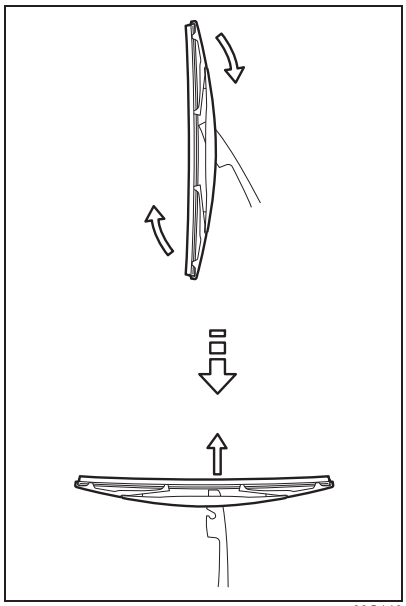


71LMT0707

(4) Locked end

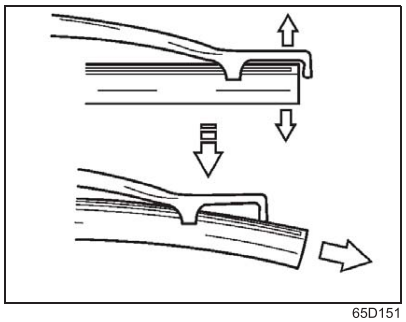
5) Install the new blade in the reverse order of removal, with the locked end positioned toward the wiper arm.
   Make sure the blade is properly retained by all the hooks. Lock the blade end into place.
6) Reinstall wiper frame to arm, making sure that the lock lever is snapped securely into the arm.

For rear wipers:


80G146

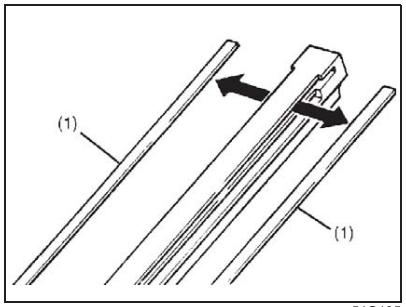
1) Hold the wiper arm away from the window.
2) Remove the wiper frame from the arm as shown.
3) Slide the blade out as shown.

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65D151

NOTE:
Do not flex the wiper blade frame end more than necessary. If you do, it can break off.

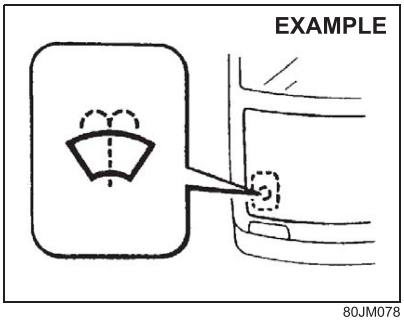


54G135

(1) Retainer

4) If the new blade is provided without the two metal retainers, move them from the old blade to the new one.
5) Install the new blade in the reverse order of removal.
   Make sure the blade is properly retained by all the hooks.
6) Reinstall wiper frame to arm in the reverse order of removal.

Windshield Washer Fluid



80JM078

Check that there is washer fluid in the tank. Refill it if necessary. Use a good quality windshield washer fluid, diluted with water as necessary.

⚠ WARNING

Do not use "radiator anti-freeze" solution in the windshield washer reservoir. This can severely impair visibility when sprayed on the windshield, and also damage your vehicle's paint.

NOTICE

Damage may result if the washer motor is operated with no fluid in the washer tank.

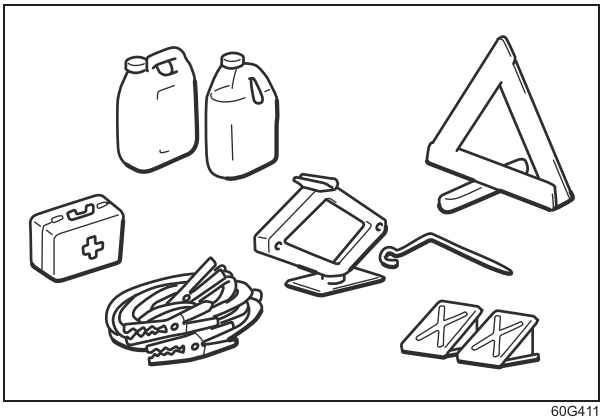
Air Conditioning System

If you do not use the air conditioner for a long period, such as during winter, it may not give the best performance when you start using it again. To help maintain optimum performance and durability of your air conditioner, it needs to be run periodically. Operate the air conditioner at least once a month for one minute with the engine idling. This circulates the refrigerant and oil and helps protect the internal components.

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EMERGENCY SERVICE

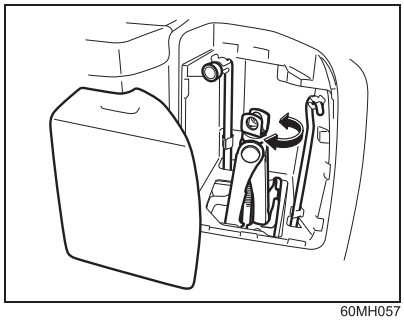


60G411

Tire Changing Tool 8-1
Jacking Instructions 8-2
Jump Starting Instructions 8-5
Towing 8-7
If the Starter Does Not Operate 8-7
If the Engine is Flooded 8-7
If the Engine Overheats 8-8

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Tire Changing Tool



60MH057

The tire changing tools are stowed in the side of the luggage compartment. Remove the cover to access the tools.

To remove the jack, turn its shaft counterclockwise and pull the jack out of the storage bracket.

To stow the jack, place it in the storage bracket and turn the shaft clockwise until the jack is securely held in place.

⚠ WARNING

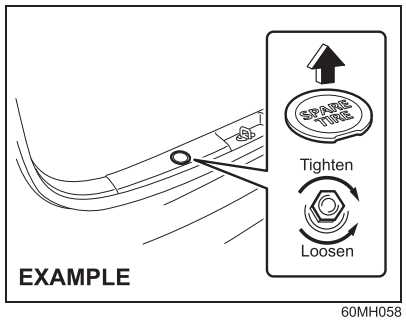
After using the tire changing tools, be sure to stow them securely or they can cause injury if an accident occurs.

⚠ CAUTION

The jack should be used only to change wheels. It is important to read the jacking instructions in this section before attempting to use the jack.

The spare tire is stowed under the rear floor.

To remove the spare tire:

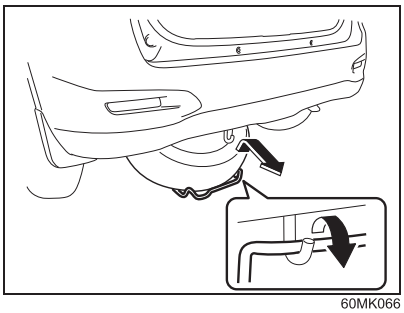


60MH058

1) Remove the cap and loosen the spare tire holder hook bolt with the lug wrench.

NOTICE

Loose the spare tire holder hook bolt until you can remove the hook by yourself. If the bolt is loosen too much, the hook might off and the spare tire might drop off to the ground.



60MK066

2) Unhook the spare tire holder and lower it slowly.
3) Remove the tire.

To install the spare tire:
1) Install the spare tire facing up the outside of the wheel in the reverse order of removal.
2) Tighten the spare tire holder hook bolt securely.

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⚠ WARNING

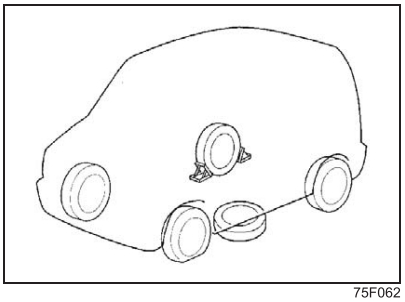
Do not drive your vehicle with the loose spare tire holder hook bolt, otherwise it may come loose or the spare tire may drop off, which can result in an accident.

NOTICE

Tighten the spare tire holder hook bolt securely. However, do not overtighten the bolt, it may be warped or broken.

Tightening torque for the spare tire holder hook bolt
30 Nm (3.0 kg-m, 21.7 lb-ft)

Jacking Instructions



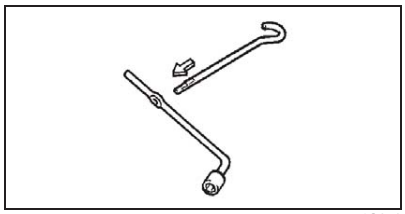
75F062

1) Place the vehicle on level, hard ground.
2) Set the parking brake firmly and shift into "P" (Park) if your vehicle has an automatic transaxle, or shift into "R" (Reverse) if your vehicle has a manual transaxle.

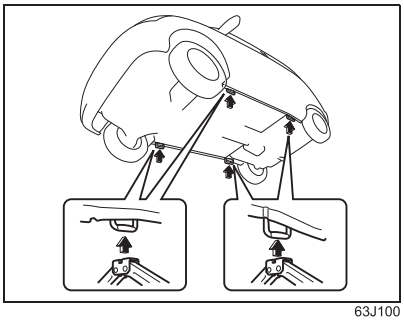
⚠ WARNING

- **Be sure to shift into "P" (Park) for an automatic transaxle vehicle, or into "R" (Reverse) for a manual transaxle vehicle when you jack up the vehicle.**
- **Never jack up the vehicle with the transaxle in "N" (Neutral). Otherwise, unstable jack may cause an accident.**

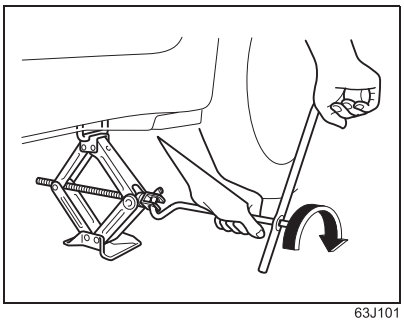
3) Turn on the hazard warning flasher if your vehicle is near traffic.
4) Block the front and rear of the wheel diagonally opposite of the wheel being lifted.
5) Place the spare wheel near the wheel being lifted as shown in the illustration in case that the jack slips.



54G253



63J100



63J101

6) Position the jack at an angle as shown in the illustration and raise the jack by turning the jack handle clockwise until the jack-head groove fits around the jacking bar beneath the vehicle body.

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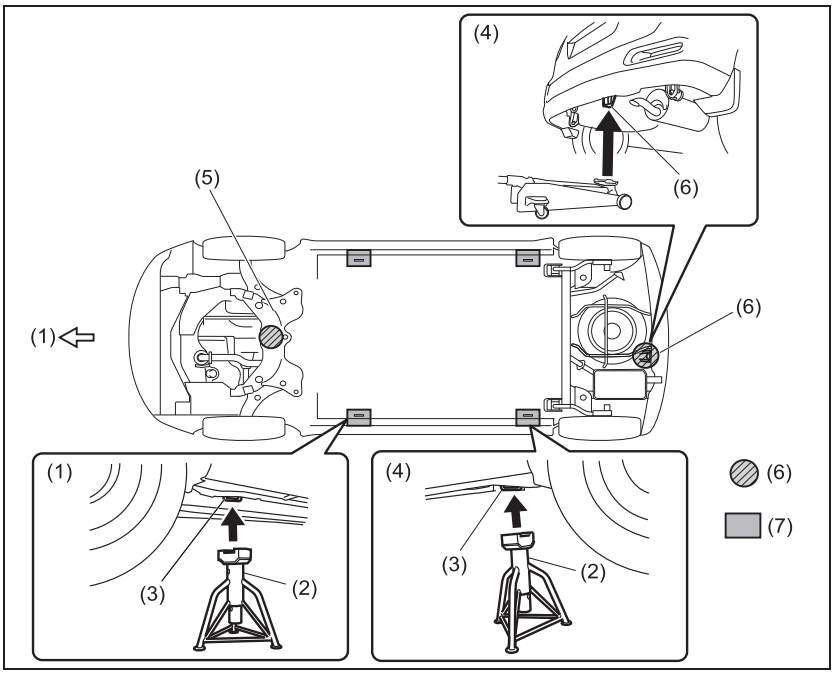
7) Continue to raise the jack slowly and smoothly until the tire clears the ground. Do not raise the vehicle more than necessary.

⚠ WARNING

- **Use the jack only to change wheels on level, hard ground.**
- **Never jack up the vehicle on an inclined surface.**
- **Never raise the vehicle with the jack in a location other than the specified jacking point (shown in the illustration) near the wheel to be changed.**
  Especially, do not raise the vehicle with a jack at a part of the torsion beam which is located under the vehicle body, between rear wheels.
- **Make sure that the jack is raised at least 51 mm (2 inches) before it contacts the flange. Use of the jack when it is within 51 mm (2 inches) of being fully collapsed may result in failure of the jack.**
- **No person should place any portion of their body under a vehicle that is supported by a jack.**
- **Never run the engine when the vehicle is supported by the jack and never allow passengers to remain in the vehicle.**

To Raise the Vehicle with a Garage Jack

- Apply the garage jack to one of the points indicated below.
- Always support the raised vehicle with jack stands (commercially available) at the points indicated below.



60MH132

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(1) Front
(2) Jack stand
(3) Jacking point for onboard jack
(4) Rear
(5) Front suspension frame
(6) Jacking point for garage jack
(7) Application point for two-column lift and jack stand

NOTICE

- **Never apply a garage jack to the exhaust pipe or engine undercover and rear torsion beam.**
- **When you apply a garage jack to the rear jacking point, it may interfere with the rear bumper depending on the shape of the garage jack.**

NOTE:
For more details, please contact an authorized MARUTI SUZUKI dealer.

Changing Wheels

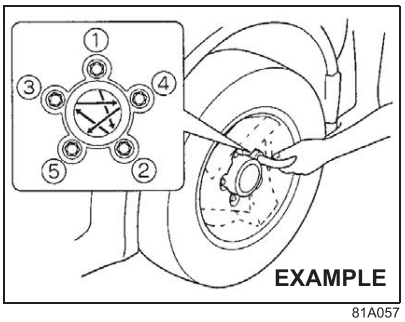
To change a wheel, use the following procedure:

1) Remove the jack, tools and spare wheel from the vehicle.
2) Loosen, but do not remove the wheel nuts.
3) Jack up the vehicle (follow the jacking instructions in this section).

⚠ WARNING

- **Be sure to shift into "P" (Park) in automatic transaxle, or shift into "R" (Reverse) in manual transaxle when you jack up the vehicle.**
- **Never jack up the vehicle with the transaxle in "N" (Neutral). Otherwise, unstable jack may cause an accident.**

4) Remove the wheel nuts and wheel.
5) Before installing the new wheel, clean any mud or dirt off from the surface of the wheel and hub with a clean cloth. Clean the hub carefully; it may be hot from driving.
6) Install the new wheel and replace the wheel nuts with their cone shaped end facing the wheel. Tighten each nuts snugly by hand until the wheel is securely seated on the hub.



81A057

Tightening torque for wheel nuts
100 Nm (10.0 kg-m, 72.3 lb-ft)

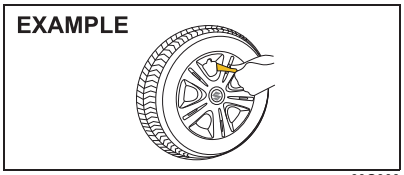
7) Lower the jack and fully tighten the nuts in a crisscross fashion with a wrench as shown in the illustration.

⚠ WARNING

Use maruti genuine wheel nuts and tighten them to the specified torque as soon as possible after changing wheels. Incorrect wheel nuts or improperly tightened wheel nuts may come loose or fall off, which can result in an accident. If you do not have a torque wrench, have the wheel nuts torque checked by an authorized MARUTI SUZUKI dealer.

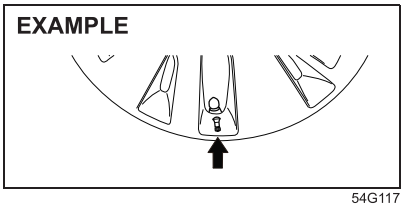
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Full Wheel Cover (if equipped)



60G309

Insert a piece of cloth between the spokes of the wheel cover and try to pull the cover outward (as shown in figure). Take out the detached wheel cover from the wheel rim. For installation first match the slot at the wheel cover with the air filling nozzle of the wheel. Apply equal pressure at the circumference of the wheel cover to fix it in the wheel rim.



54G117

When installing the cover, make sure that it is positioned so that it does not cover or foul the air valve.

After Changing Wheels

Stow the tire changing tools (jack, jack handle and lug wrench) in place. Also, stow the flat tire in the spare tire stowed position. Refer to "Tire Changing Tool" in this section.

NOTICE

Repair or replace the flat tire immediately. If the flat tire is placed in the spare tire stowed position for long time, it can cause vehicle shakiness, noise, or scratches.

Jump Starting Instructions

⚠ WARNING

- **Never attempt to jump start your vehicle if the battery appears to be frozen. Batteries in this condition may explode or rupture if jump starting is attempted.**
- **When making jump lead connections, be certain that your hands and the jump leads remain clear from pulleys, belts, or fans.**
- **Batteries produce flammable hydrogen gas. Keep flames and sparks away from the battery or an explosion may occur. Never smoke when working in the vicinity of the battery.**
- **If the booster battery you use for jump starting is installed in another vehicle, make sure the two vehicles are not touching each other.**
- **If your battery discharges repeatedly, for no apparent reason, have your vehicle inspected by an authorized MAARUTI SUZUKI dealer.**
- **To avoid harm to yourself or damage to your vehicle or battery, follow the jump starting instructions below precisely and in order.**
  If you are in doubt, call for qualified road service.

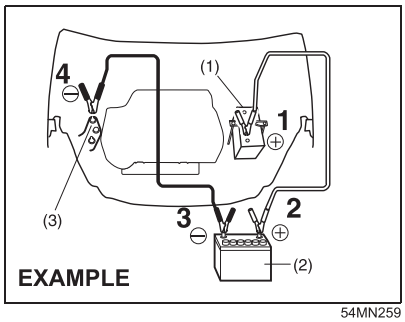
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NOTICE

Your vehicle should not be started by pushing or towing. This starting method could result in permanent damage to the catalytic converter. Use jump leads to start a vehicle with a weak or flat battery.

When Jump Starting Your Vehicle, Use the Following Procedure:

1) Use only a 12-volt battery to jump start your vehicle. Position the good 12-volt battery close to your vehicle so that the jump leads will reach both batteries. When using a battery installed on another vehicle, DO NOT LET THE VEHICLES TOUCH. Set the parking brakes fully on both vehicles.
2) Turn off all vehicle accessories, except those necessary for safety reasons (for example, headlights or hazard lights).



EXAMPLE

54MN259

3) Make jump lead connections as follows:
   1. Connect one end of the first jump lead to the positive (+) terminal of the flat battery (1).
   2. Connect the other end to the positive (+) terminal of the booster battery (2).
   3. Connect one end of the second jump lead to the negative (–) terminal of the booster battery (2).
   4. Make the final connection to an unpainted, heavy metal part (i.e. engine mount bracket (3)) of the engine of the vehicle with the flat battery (1).

⚠ WARNING

Never connect the jump lead directly to the negative (–) terminal of the discharged battery, or an explosion may occur.

⚠ CAUTION

Connect the jump lead to the engine mount bracket securely. If the jump lead disconnects from the engine mount bracket because of vibration at the start of the engine, the jump lead could be caught in the drive belts.

4) If the booster battery you are using is fitted to another vehicle, start the engine of the vehicle with the booster battery. Run the engine at moderate speed.
5) Start the engine of the vehicle with the flat battery.
6) Remove the jump leads in the exact reverse order in which you connected them.

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Towing

If you need to have your vehicle towed, contact a professional service. Your dealer can provide you with detailed towing instructions.

NOTICE
To help avoid damage to your vehicle during towing, proper equipment and towing procedures must be used.

2-Wheel Drive (2WD) Automatic Transaxle

Automatic transaxle vehicles may be towed using either of the following methods.

1) From the front, with the front wheels lifted and the rear wheels on the ground. Before towing, make sure that the parking brake is released.
2) From the rear, with the rear wheels lifted and a dolly under the front wheels.

NOTICE
Towing your vehicle with the front wheels on the ground can result in damage to the automatic transaxle.

2-Wheel Drive (2WD) Manual Transaxle

Manual transaxle vehicles may be towed using either of the following methods.

1) From the front, with the front wheels lifted and the rear wheels on the ground. Before towing, make sure that the parking brake is released.
2) From the rear, with the rear wheels lifted and the front wheels on the ground, provided the steering and drivetrain are in operational condition. Before towing, make sure that transaxle is in neutral, the steering wheel is unlocked (vehicle without keyless push start system – the ignition key should be in the “ACC” position) (vehicle with keyless push start system – the ignition mode is “ACC”), and the steering wheel is secured with a clamping device designed for towing service.

NOTICE
The steering column is not strong enough to withstand shocks transmitted from the front wheels during towing. Always unlock the steering wheel before towing.

If the Starter Does Not Operate

1) Try turning the ignition switch to the “START” position or try pressing the engine switch to change the ignition mode to “START” with the headlights turned on to determine the battery condition. If the headlights go excessively dim or go off, it usually means that either the battery is flat or the battery terminal contact is poor. Recharge the battery or correct battery terminal contact as necessary.
2) If the headlights remain bright, check the fuses. If the reason for failure of the starter is not obvious, there may be a major electrical problem. Have the vehicle inspected by your authorized MARUTI SUZUKI dealer.

If the Engine is Flooded

(Vehicle without Keyless Push Start System)

If the engine is flooded with petrol, it may be hard to start. If this happens, press the accelerator pedal all the way to the floor and hold it there while cranking the engine.

- For petrol engine model, do not operate the starter motor for more than 12 seconds.

For diesel engine model, do not operate the starter motor for more than 30 seconds.

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(Vehicle with Keyless Push Start System)
If the engine is flooded with Petrol, it may be hard to start. If this happens, press the accelerator pedal all the way to the floor and hold it there while cranking the engine.

- For Petrol engine model, do not operate the starter motor for more than 12 seconds.
- For diesel engine model, do not operate the starter motor for more than 30 seconds.

NOTE:
If the engine refuses to start, the starter motor automatically stops after a certain period of time. After the starter motor has automatically stopped or there is anything abnormal in the engine starting system, the starter motor runs only while the engine switch is held pressed.

If the Engine Overheats

The engine could overheat temporarily under severe driving conditions. If the engine coolant temperature gauge indicates overheating during driving:

1) Turn off the air conditioner, if equipped.
2) Take the vehicle to a safe place and park.
3) Let the engine run at the normal idle speed for a few minutes until the indicator is within the normal, acceptable temperature range between “H” and “C”.

⚠ WARNING

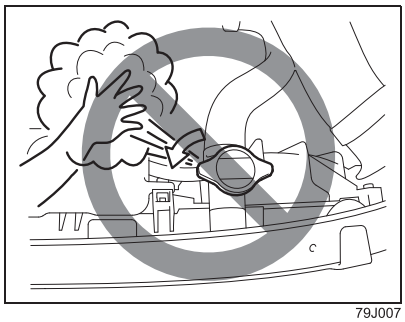
If you see or hear escaping steam, stop the vehicle in a safe place and immediately turn off the engine to let it cool. Do not open the hood when steam is present. When the steam can no longer be seen or heard, open the hood to see if the coolant is still boiling. If it is, you must wait until it stops boiling before you proceed.

If the temperature indication does not come down to within the normal, acceptable range:

1) Turn off the engine and check that the water pump belt and pulleys are not damaged or slipping. If any abnormality is found, correct it.
2) Check the coolant level in the reservoir. If it is found to be lower than the “LOW” line, look for leaks at the radiator, water pump, and radiator and heater hoses. If you locate any leaks that may have caused the overheating, do not run the engine until these problems have been corrected.
3) If you do not find a leak, carefully add coolant to the reservoir and then the radiator, if necessary. (Refer to “Engine Coolant” in the “INSPECTION AND MAINTENANCE” section.)

NOTE:
If your engine overheats and you are unsure what to do, contact your MARUTI SUZUKI dealer.

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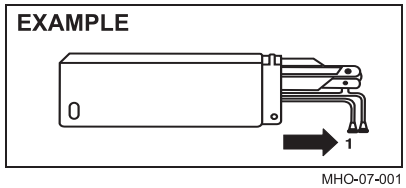


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⚠ WARNING

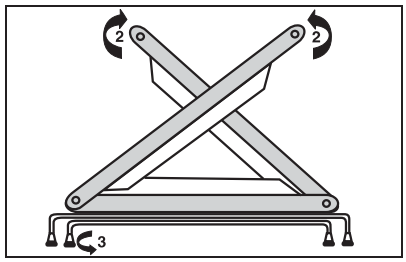
- **It is hazardous to remove the radiator cap (or degassing tank cap for a diesel engine) when the water temperature is high, because scalding fluid and steam may be blown out under pressure. The cap should only be taken off when the coolant temperature has lowered.**
- **To help prevent personal injury, keep hands, tools and clothing away from the engine cooling fan and air-conditioner fan (if equipped). These electric fans can automatically turn on without warning.**

Warning Triangle



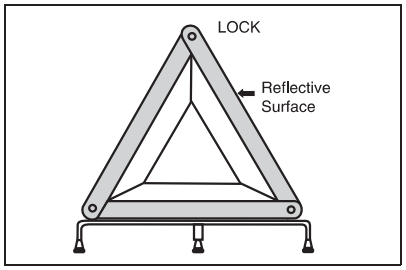
MHO-07-001

In case of vehicle break-down or during emergency stopping, where, your vehicle could become a potential traffic hazard, keep the warning triangle, provided with your vehicle, on the road free from any obstacles behind your vehicle so as to warn the approaching traffic, at an approximate distance of 50-100 m. The reflecting side of the triangle should face the on coming traffic. Please activate the hazard warning lamps before alighting the vehicle to keep the warning triangle.



MHO-07-014

- Remove the warning triangle carefully from the cover as shown by arrow 1.
- Open both the reflector arms as shown by arrow and lock the arms with each other with the clip provided in the right arm. Open the bottom stand in counter clock-wise direction as shown by arrow 3. Position the warning triangle behind the vehicle on a plain surface.
- Reverse the removal procedure for keeping inside the cover.

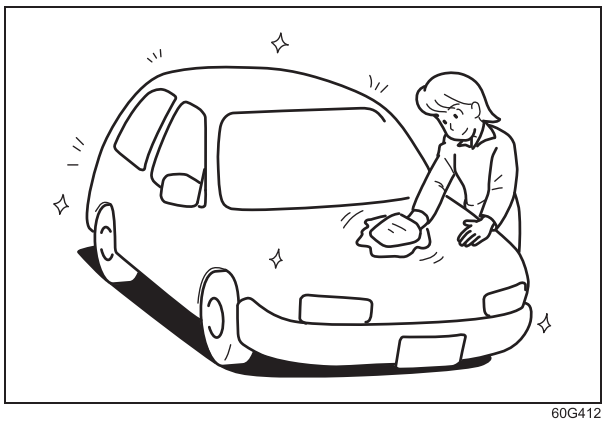


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APPEARANCE CARE



60G412

Corrosion Prevention 9-1
Vehicle Cleaning 9-2

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APPEARANCE CARE

Corrosion Prevention

It is important to take good care of your vehicle to protect it from corrosion. Listed below are instructions for how to maintain your vehicle to prevent corrosion. Please read and follow these instructions carefully.

Important Information About Corrosion

Common causes of corrosion

1) Accumulation of road salt, dirt, moisture, or chemicals in hard-to-reach areas of the vehicle underbody or frame.
2) Chipping, scratches and any damage to treated or painted metal surfaces resulting from minor accidents or abrasion by stones and gravel.

Environmental conditions which accelerate corrosion

1) Road salt, dust control chemicals, sea air or industrial pollution will all accelerate the corrosion of metal.
2) High humidity will increase the rate of corrosion particularly when the temperature range is just above the freezing point.
3) Moisture in certain areas of a vehicle for an extended period of time may promote corrosion even though other body sections may be completely dry.
4) High temperatures will cause an accelerated rate of corrosion to parts of the vehicle which are not well ventilated to permit quick drying.

This information illustrates the necessity of keeping your vehicle (particularly the underbody) as clean and dry as possible. It is equally important to repair any damage to the paint or protective coatings as soon as possible.

How to Help Prevent Corrosion

Wash your vehicle frequently

The best way to preserve the finish on your vehicle and to help avoid corrosion is to keep it clean with frequent washing.

Wash your vehicle at least once during the winter and once immediately after the winter. Keep your vehicle, particularly the underside, as clean and dry as possible.

If you frequently drive on salted roads, your vehicle should be washed at least once a month during the winter. If you live near the ocean, your vehicle should be washed at least once a month throughout the year.

For washing instructions, refer to the “Vehicle Cleaning” section.

Remove foreign material deposits

Foreign material such as salts, chemicals, road oil or tar, tree sap, bird droppings and industrial fall-out may damage the finish of your vehicle if it is left on painted surfaces. Remove these types of deposits as quickly as possible. If these deposits are difficult to wash off, an additional cleaner may be required. Be sure that any cleaner you use is not harmful to painted surfaces and is specifically intended for your purposes. Follow the manufacturer’s directions when using these special cleaners.

Repair finish damage

Carefully examine your vehicle for damage to the painted surfaces. Should you find any chips or scratches in the paint, touch them up immediately to prevent corrosion from starting. If the chips or scratches have gone through to the bare metal, have a qualified body shop make the repair.

Keep passenger and luggage compartments clean

Moisture, dirt or mud can accumulate under the floor mats and may cause corrosion. Occasionally, check under these mats to ensure that this area is clean and dry. More frequent checks are necessary if the vehicle is used off road or in wet weather.

Certain cargoes such as chemicals, fertilizers, cleaners, salts, etc. are extremely corrosive by nature. These products should be transported in sealed containers. If a spill or leak does occur, clean and dry the area immediately.

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Store your vehicle in a dry, well-ventilated area
Do not park your vehicle in a damp, poorly ventilated area. If you often wash your vehicle in the garage or if you frequently drive it in when wet, your garage may be damp. The high humidity in the garage may cause or accelerate corrosion. A wet vehicle may corrode even in a heated garage if the ventilation is poor.

⚠ WARNING

Do not apply additional undercoating or rust preventive coating on or around exhaust system components such as the catalytic converter, exhaust pipes, etc. A fire could be started if the undercoating substance becomes overheated.

Vehicle Cleaning



76G044S

⚠ WARNING

When cleaning the interior or exterior of the vehicle, NEVER USE flammable solvents such as lacquer thinners, Petrol, benzene or cleaning materials such as bleaches or strong household detergents. The materials could cause personal injury or damage to the vehicle.

Cleaning the Interior

Vinyl upholstery
Prepare a solution of soap or mild detergent mixed with warm water. Apply the solution to the vinyl with a sponge or soft cloth and let it soak for a few minutes to loosen dirt.
Rub the surface with a clean, damp cloth to remove dirt and the soap solution. If some dirt still remains on the surface, repeat this procedure.

Fabric upholstery
Remove loose dirt with a vacuum cleaner. Using a mild soap solution, rub stained areas with a clean damp cloth. To remove soap, rub the areas again with a cloth dampened with water. Repeat this until the stain is removed, or use a commercial fabric cleaner for tougher stains. If you use a fabric cleaner, carefully follow the manufacturer's instructions and precautions.

Leather upholstery
Remove loose dirt with a vacuum cleaner. Using a mild soap or saddle soap solution, wipe dirt off with a clean damp soft cloth. To remove soap, wipe the areas again with a soft cloth dampened with water. Wipe the areas dry with a soft dry cloth. Repeat this until the dirt or stain is removed, or use a commercial leather cleaner for tougher dirt or stains. If you use a leather cleaner, carefully follow the manufacturer's instructions and precautions. Do not use solvent type cleaners or abrasive cleaners.

NOTE:
- *In order to keep leather upholstery looking good, it should be cleaned at least twice a year.*
- *If leather upholstery becomes wet, immediately wipe it dry with tissue paper or a soft cloth. Water may cause leather to harden and shrink if it is not wiped off.*
- *When parking on sunny days, select a shady place or use a sunshade. If leather upholstery is exposed to direct sunlight for a long time, it may discolor and shrink.*
- *As is common with natural materials, leather is inherently irregular in grain and cowhide has spots in its natural state. These do not affect the performance of the leather in any way.*

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Seat belts
Clean seat belts with a mild soap and water. Do not use bleach or dye on the belts. They may weaken the fabric in the belts.

Vinyl floor mats
Ordinary dirt can be removed from vinyl with water or mild soap. Use a brush to help loosen dirt. After the dirt is loosened, rinse the mat thoroughly with water and dry it in the shade.

Carpets
Remove dirt and soil as much as possible with a vacuum cleaner. Using a mild soap solution, rub stained areas with a clean damp cloth. To remove soap, rub the areas again with a cloth dampened with water. Repeat this until the stain is removed, or use a commercial carpet cleaner for tougher stains. If you use a carpet cleaner, carefully follow the manufacturer's instructions and precautions.

Instrument panel and console
NOTE:
- *Wipe up spills containing chemicals, alcohol, etc., immediately with a soft, damp cloth. Use a mild soap solution if necessary. Do not use cleaners or polishes containing strong solvents or acidic solutions. These chemicals may stain and discolor the instrument panel and console.*
- *Do not use any chemical that contains silicone to clean the air conditioning, audio and other electrical components or switches, as well as the areas surrounding these parts. Adhesion of silicone may cause failure.*

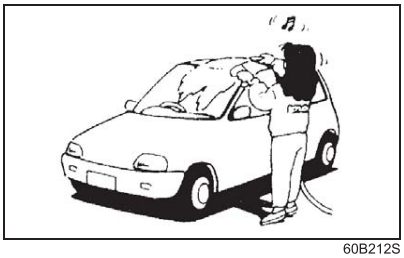
Cleaning the Exterior

NOTICE

It is important that your vehicle be kept clean and free from dirt. Failure to keep your vehicle clean may result in fading of the paint or corrosion to various parts of the vehicle body.

Caring for Aluminum Wheels
NOTE:
- *Do not use an acidic or alkaline detergent, or a cleaner containing petroleum solvent to wash aluminum wheels. These types of cleaner will cause permanent spots, discoloration and cracks on finished surfaces and damage to center caps.*
- *Do not use a bristle brush and soap containing an abrasive material. These will damage finished surfaces.*

Washing



60B212S

⚠ WARNING

- **Never attempt to wash and wax your vehicle with the engine running.**
- **When cleaning the underside of the body and fender, where there may be sharp-edged parts, you should wear gloves and a long-sleeved shirt to protect your hands and arms from being cut.**
- **After washing your vehicle, carefully test the brakes before driving to make sure they have maintained their normal effectiveness.**

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⚠ CAUTION

If your vehicle is equipped with an rain-sensing wiper system, place the wiper control lever in the "OFF" position. If the lever is left in the "AUTO" position, the wipers could unexpectedly operate and cause an injury, and could also be damaged.

When washing the vehicle, park it where direct sunlight does not fall on it and follow the instructions below:

1) Flush the underside of body and wheel housings with pressurized water to remove mud and debris. Use plenty of water.

NOTICE

When washing the vehicle:
- **Avoid directing steam or hot water of more than 80°C (176°F) on plastic parts.**
- **To avoid damaging engine components, do not use pressurized water in the engine compartment.**

2) Rinse the body to loosen the dirt. Remove dirt and mud from the body exterior with running water. You may use a soft sponge or brush. Do not use hard materials which can scratch the paint or plastic. Remember that the headlight covers or lenses are made of plastic in many cases.

NOTICE

To avoid damage to the paint or plastic surface, do not wipe the dirt off without ample water. Be sure to follow above procedure.

3) Wash the entire exterior with a mild detergent or car wash soap using a sponge or soft cloth. The sponge or cloth should be frequently soaked in the soap solution.

NOTICE

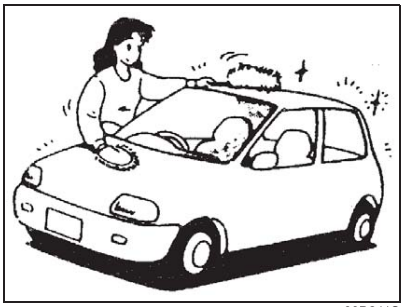
When using a commercial car wash product, observe the cautions specified by the manufacturer. Never use strong household detergents or soaps.

4) Once the dirt has been completely removed, rinse off the detergent with running water.
5) After rinsing, wipe off the vehicle body with a wet chamois or cloth and allow it to dry in the shade.
6) Check carefully for damage to painted surfaces. If there is any damage, "touch-up" the damage following the procedure below:
   1. Clean all damaged spots and allow them to dry.
   2. Stir the paint and "touch-up" the damaged spots lightly using a small brush.
   3. Allow the paint to dry completely.

NOTICE

If you use an automatic car wash, make sure that your vehicle's body parts, such as spoilers, cannot be damaged. If you are in doubt, consult the car wash operator for advice.

Waxing



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After washing the vehicle, waxing and polishing are recommended to further protect and beautify the paint.

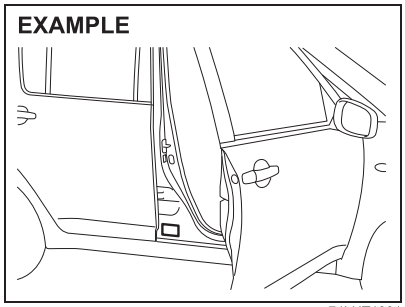
- Only use waxes and polishes of good quality.
- When using waxes and polishes, observe the precautions specified by the manufacturers.

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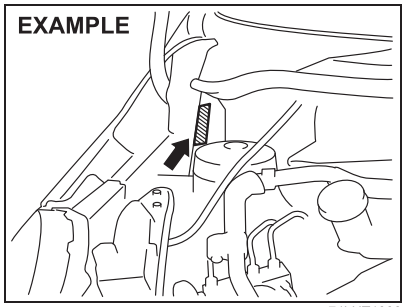
GENERAL INFORMATION

Vehicle Identification

Chassis Serial Number



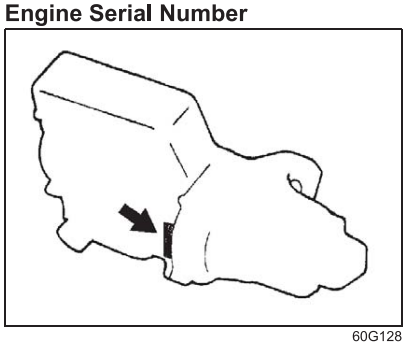
74LHT1001



74LHT1002

The chassis and/or engine serial numbers are used to register the vehicle. They are also used to assist your dealer when ordering or referring to special service information. Whenever you have occasion to consult your MARUTI SUZUKI dealer, remember to identify your vehicle with this number. Should you find the number difficult to read, you will also find it on the identification plate.

Engine Serial Number



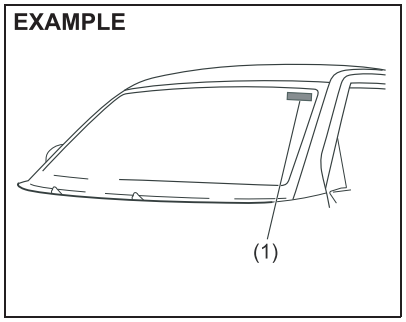
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The engine serial number is stamped on the cylinder block as shown in the illustration.

Radio frequency identification (RFID) tag (if equipped)

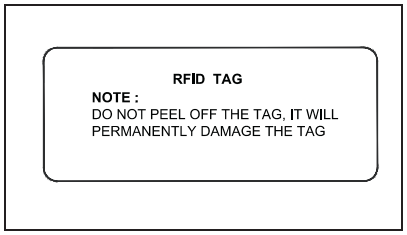
As per Ministry of Road Transport and Highways, the Radio frequency identification (RFID) tag (1) is mandatory for each vehicle for the purpose of electronic toll collection or any other purpose as may be defined by the Government of India.

In case of any damage to RFID tag or replacement of front windscreen, please contact your nearest Maruti Suzuki Authorized workshop.



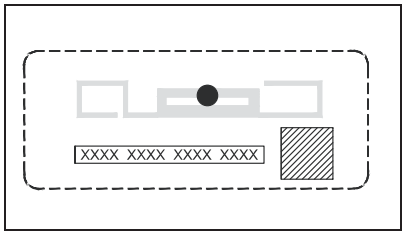
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As seen from inside of the vehicle



Note:
The picture shown is for indicative purpose only. Internal structure of actual device mounted on vehicle may be different.

As seen from outside of the vehicle



Note:
The picture shown is for indicative purpose only. Internal structure of actual device mounted on vehicle may be different.

Note:
- *RFID tag needs to be registered by government authorized agency (if applicable).*
- *Any attempt to remove the tag from the windscreen will result in permanent damage to the tag.*
- *Use of chemical cleaners to clean the windscreen area where the tag is mounted can damage the tag.*
- *Use of any sharp objects on the tag can damage the tag.*

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SPECIFICATIONS

NOTE:
Specifications are subject to change without notice.

M/T: Manual transaxle
A/T: Automatic transaxle

Petrol: Petrol engine model
Diesel: Diesel engine model

ITEM: Dimensions	UNIT: mm (in.)	
Overall length		4265
Overall width		1695
Overall height		1685
Wheelbase		2740
Track	Front	1480
	Rear	1490
Ground clearance		185 (unladen)

ITEM: Mass (weight)	UNIT: kg	PETROL ENGINE MODEL	DIESEL ENGINE MODEL
Curb mass (weight)	M/T	1135 – 1180	1235 – 1265
	A/T	1185	–
Gross vehicle mass (weight) rating	M/T	1760	1855
	A/T	1770	–
Permissible maximum Axle Weight	Front	820	900
	Rear	990	990

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ITEM: Engine		
Type	K14B (DOHC)	D13A (DOHC)
Number of cylinders	4	4
Bore	73.0 mm	69.6 mm
Stroke	82.0 mm	82.0 mm
Piston displacement	1373 cm^3	1248 cm^3
Compression ratio	11.0 : 1	17.6 : 1

ITEM: Electrical			
Standard spark plug	Petrol		NGK LKR6F-10
Battery	Petrol		12V 38B20L
	Diesel	without ENG A-STOP system	12V DIN 55#
		with ENG A-STOP system	12V DIN 70*
Fuses	See “INSPECTION AND MAINTENANCE” section.		

Do not use battery other than DIN55 type. Else it may lead to performance deterioration.
* When battery replacement is necessary, use only DIN70 (Exide Conservo) battery. Else it may deteriorate SHVS performance.

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ITEM: Lights		WATTAGE	BULB No.
Headlight		12V 60/55W	H4
Turn signal light	Front	12V 21W	PY21W
	Rear	12V 21W	PY21W
Side turn signal light (on fender)		12V 5W	WY5W
Side turn signal light (on outside rearview mirror)		LED	–
Position light		12V 5W	W5W
Tail/brake light		12V 21/5W	P21/5W
License plate light		12V 5W	W5W
Reversing light		12V 16W	W16W
Interior light		12V 10W	–
Front fog light		12V 35W	H8
High mount stop light		12V 5W	W5W

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ITEM: Wheels and Tires	
Tire size, front and rear	185/65R15 88S[*1], 185/65R15 88H[*1]
Rim size	15X5 1/2J[*2]
Tire pressures	Tire pressure may require to be adjusted as per loading condition, for the specified tire pressure see the Tire Information Label located on the driver's door lock pillar.

*1: When tire replacement is necessary and if the specified load index and speed rated tire is not available, then use a tire of higher load index and speed rating.

*2: The spare wheel provided with alloy wheel variant is steel wheel rim, hence follow 4 tire rotation only. (Refer: under section "Inspection and maintenance")

ITEM: Capacities (approx.)			
Coolant (including reservoir tank)	Petrol	M/T	5.1 L
		A/T	5.0 L
	Diesel		6.2 L
Fuel tank			45 L
Engine oil	Petrol		3.1 L (replacement with oil filter)
	Diesel		3.2 L (replacement with oil filter)
Transaxle oil	Petrol	M/T	2.6 L
		A/T	5.0 L
	Diesel	M/T	2.6 L

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