
MAINTENANCE

ENGINE	MA-1
BRAKE	MA-3
CHASSIS	MA-4
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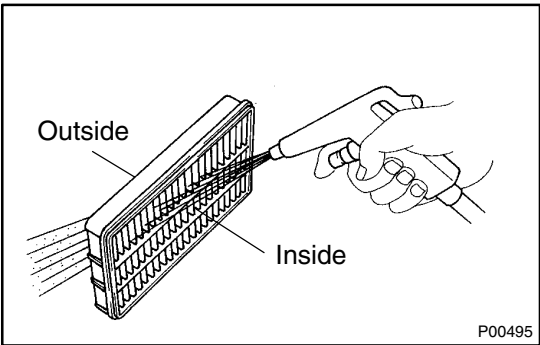
ENGINE INSPECTION

MA026-03

HINT:

Inspect these items when the engine is cold.

1. **REPLACE TIMING BELT** (See page EM-13)
2. **INSPECT DRIVE BELT** (See page CH-2)
3. **REPLACE SPARK PLUGS** (See page IG-1)



4. INSPECT AIR FILTER

- (a) Remove the air filter.
- (b) Visually check that the air filter is not excessively damaged or oily.

If necessary, replace the air filter.

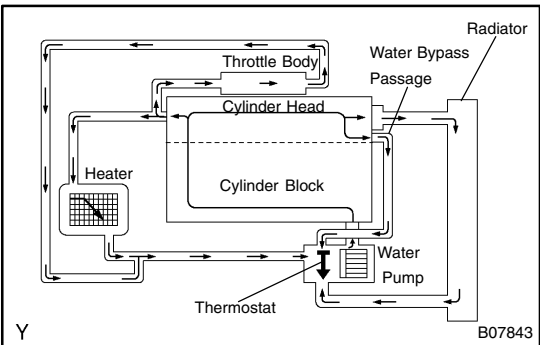
- (c) Clean the filter with compressed air.
First blow from the inside thoroughly, then blow the outside of the filter.

- (d) Reinstall the air filter.

5. REPLACE AIR FILTER

Replace the air filter with a new one.

6. REPLACE ENGINE OIL AND OIL FILTER
(See page LU-3)



7. INSPECT COOLING, HEATER SYSTEM HOSES AND CONNECTIONS

- (a) Check the relating parts for coolant leakage and damage.

• Radiator	• Water pump
• Radiator reservoir	• Cylinder block & Cylinder head
• Drain plugs	• Heater
• Water inlet	• Throttle body
• Water outlet	• Oil cooler

- (b) Check the hoses cracks or deterioration.
- (c) Check the clamps for looseness.
- (d) The coolant level at radiator reservoir should be between "LOW" and "FULL" lines.

8. REPLACE ENGINE COOLANT (See page CO-2)

9. INSPECT PCV VALVE, HOSES AND CONNECTIONS
(See page EC-4)

10. INSPECT CHARCOAL CANISTER (See page EC-5)

11. Except Europe:
REPLACE FUEL FILTER (See page FI-8)

12. INSPECT FUEL TANK CAP (See page EC-5)

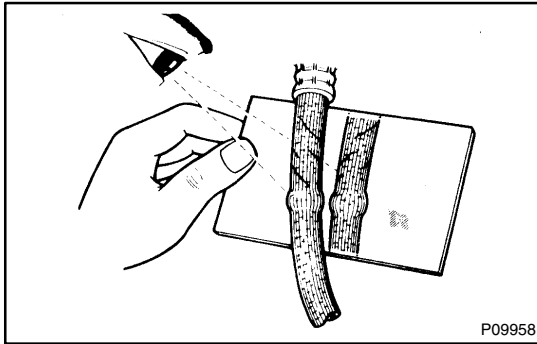
13. INSPECT FUEL LINES, CONNECTIONS AND FUEL VAPOR CONTROL VALVE

Visually check the fuel lines for cracks, leakage, loose connections, deformation or tank band looseness.

14. INSPECT EXHAUST PIPES AND MOUNTINGS

Visually check the pipes, hangers and connections for severe corrosion, leaks or damage.

15. INSPECT BATTERY (See page CH-2)**16. INSPECT VALVE CLEARANCE (See page EM-4)**



BRAKE INSPECTION

MA01R-06

1. **INSPECT BRAKE PEDAL AND PARKING BRAKE (See pages BR-6 and BR-51)**
2. **INSPECT BRAKE LINE PIPES AND HOSES**

HINT:

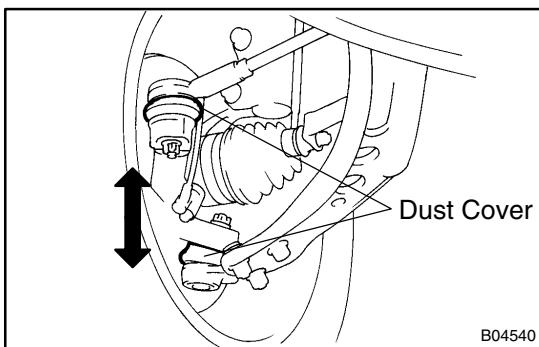
Check in a well lighted area. Check the entire circumference and length of the brake hoses using a mirror as required. Turn the front wheels fully right or left before checking the front brake.

- (a) Check all brake lines and hoses for.
 - Damage
 - Wear
 - Deformation
 - Cracks
 - Corrosion
 - Leaks
 - Bends
 - Twists
- (b) Check all clamps for tightness and connections for leakage.
- (c) Check that the hoses and lines are clear of sharp edges, moving parts and the exhaust system.
- (d) Check that the lines install in grommets pass through the center of the grommets.
3. **INSPECT FRONT AND REAR BRAKE PADS AND DISCS**
 - (FRONT PADS: See page BR-30)
 - (REAR PADS: See page BR-41)
 - (FRONT DISCS: See page BR-36)
 - (REAR DISCS: See page BR-46)
4. **INSPECT PARKING BRAKE LININGS AND DRUMS**
(See page BR-51)
5. **INSPECT OR CHANGE BRAKE FLUID**
(See page BR-4)
Fluid: SAE J1703 or FMVSS No.116 DOT3

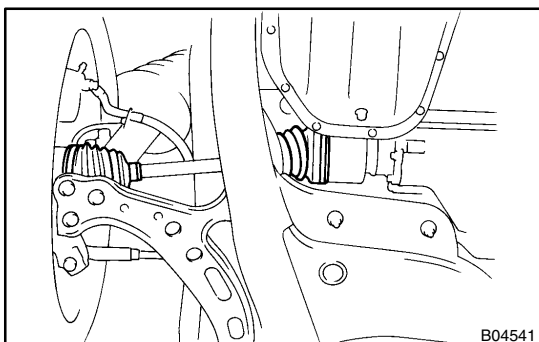
CHASSIS INSPECTION

1. **INSPECT POWER STEERING FLUID** (See page SR-6)
2. **INSPECT STEERING LINKAGE**
 - (a) Check the steering wheel freeplay. (See page SR-9)
 - (b) Check the steering linkage for looseness or damage.
Check that:
 - Tie rod ends do not have excessive play.
 - Dust seals and boots are not damaged.
 - Boot clamps are not loose.
3. **INSPECT SRS AIRBAG**
(DRIVER'S AIRBAG: See page RS-14)
(PASSENGER'S AIRBAG: See page RS-28)
(SIDE AIRBAG: See page RS-41)
4. **INSPECT STEERING GEAR HOUSING OIL**

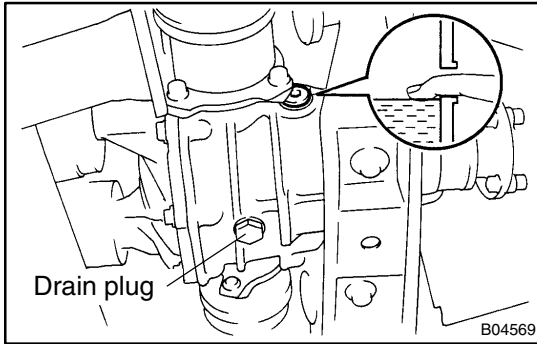
Check the steering gear housing for oil leakage.
If leakage is found, check for cause and repair.



5. **INSPECT LOWER BALL JOINTS AND DUST COVERS**
 - (a) Jack up the front of the vehicle and support it with stands.
 - (b) Make sure the front wheels are in a straight-ahead position, and depress the brake pedal.
 - (c) Jack up the lower suspension arm until there is about half a load on the front coil spring.
 - (d) Inspect the ball joints for excessive looseness.
Maximum ball joint vertical play:
0 mm (0 in.)
 - (e) Check the dust cover for damage.



6. **INSPECT DRIVE SHAFT BOOTS**
Inspect the drive shaft boots for clamp looseness, grease leakage or damage.
7. **INSPECT TRANSAXLE FLUID**
(See page DI-144)
8. **INSPECT TRANSFER OIL**
(See page PP-35)



9. INSPECT DIFFERENTIAL OIL

Remove the filler plug and feel inside the hole with your finger. Check that the oil comes to within 5 mm (0.20 in.) of the bottom edge of the hole. If the level is low, add oil until it begins to run out of the filler hole.

Grade: See page SA-58

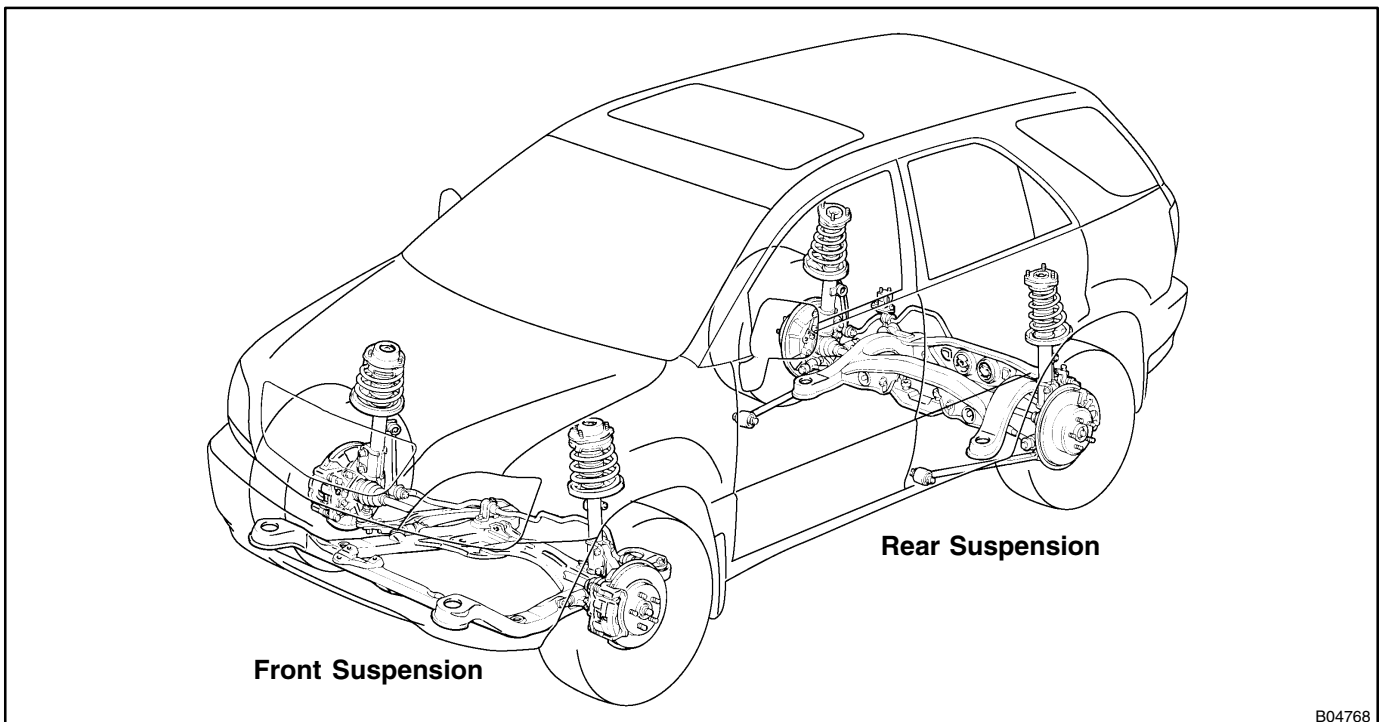
10. REPLACE TRANSAXLE FLUID (See page DI-144)

11. REPLACE TRANSFER FLUID (See page PP-35)

12. REPLACE DIFFERENTIAL OIL (See page SA-58)

13. INSPECT FRONT AND REAR SUSPENSIONS

- (a) Check the suspension parts for looseness or damage.
- (b) Check the shock absorber performance.
- (c) Check the vehicle for tilting.
- (d) Check the springs for wear or breakage.
- (e) Check the suspension bushings for wear.
- (f) Check the wheel bearings for wear or noise.
 - Jack up the front and rear axle and support them on stands.
 - Move the wheel in axial and radial directions and check the wheel bearing for wear.
 - Rotate the wheel and check the bearing for noise.



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BODY

INSPECTION

1. TIGHTEN BOLTS AND NUTS ON CHASSIS AND BODY

(a) Where necessary, tighten all parts of the chassis.

- Front axle and suspension
- Driven train
- Rear axle and suspension
- Steering system
- Brake system
- Engine mounting etc.

(b) Where necessary, tighten all parts of the body.

- Seat belt system
- Seats
- Doors and hood
- Body mountings
- Fuel tank
- Exhaust pipe system etc.

2. CHECK TIRES AND INFLATION PRESSURE

(a) Check tires for abnormal abrasion or cracks.

(b) Check and adjust the tires inflation pressure.

Cold tire inflation pressure: (See page SA-2)

3. CHECK LIGHTS, HORNS, WIPERS AND WASHERS

Check the function of lights, horns, wipers and washers.

4. ROAD TEST

(a) Check the engine and chassis for abnormal noises.

(b) Check that the vehicle does not wander or pull to one side.

(c) Check that the brakes work properly and do not drag.

(d) Do setting of the parking brake shoes and drum.

5. FINAL INSPECTION

(a) Check the operation of the body parts:

- Hood
Auxiliary catch operates properly
Hood locks securely when closed
- Front and rear doors
Door locks operate properly
Doors close properly
- Luggage compartment door
Door lock operates properly
- Seat adjusts easily and locks securely in any position
Front seat back locks securely in any position
Folding-down rear seat backs lock securely

(b) Be sure to deliver a clean car. Especially check:

- Steering wheel
- Shift lever knob
- All switch knobs
- Seats