

INSTRUMENTS, RADIO - TAPE PLAYER & SWITCHES

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INSTRUMENTS, RADIO - TAPE PLAYER & HORN

Instrument Clusters.

The instrument cluster incorporates several gauges and warning indicators. Included are speedometer/odometer and trip meter, fuel level and coolant temperatures gauges as an extra a tachometer may be included. If a tachometer is included, extra wiring looms are not necessary as the wiring for the tachometer is already in place. The cluster incorporates warning indicators for high beam, turning lights, brake, engine! (ECM/PCM codes), ignition.

The instrument cluster also has switches mounted on the either side. These include lights, hazard lights, cruise control, electric aerial situated on the right side and on the left are windscreen wiper/washer, back window demister, trip computer functions, instrument cluster light and internal light.

SERVICE OPERATIONS

RADIO / TAPE PLAYER and CENTRE CONTROLS

Remove

1. Disconnect the battery.

2. Remove the centre transmission console as described earlier.

3. Remove the radio escutcheon (3 screws), remove the heater / airconditioner controls (1 screw) lift the escutcheon out enough to allow the wiring connectors to be removed from the controls, label wire looms to help install later.

Remove the radio escutcheon by unclipping the side clip with a narrow blade screwdriver (slide the screw driver along the side of the escutcheon clip).

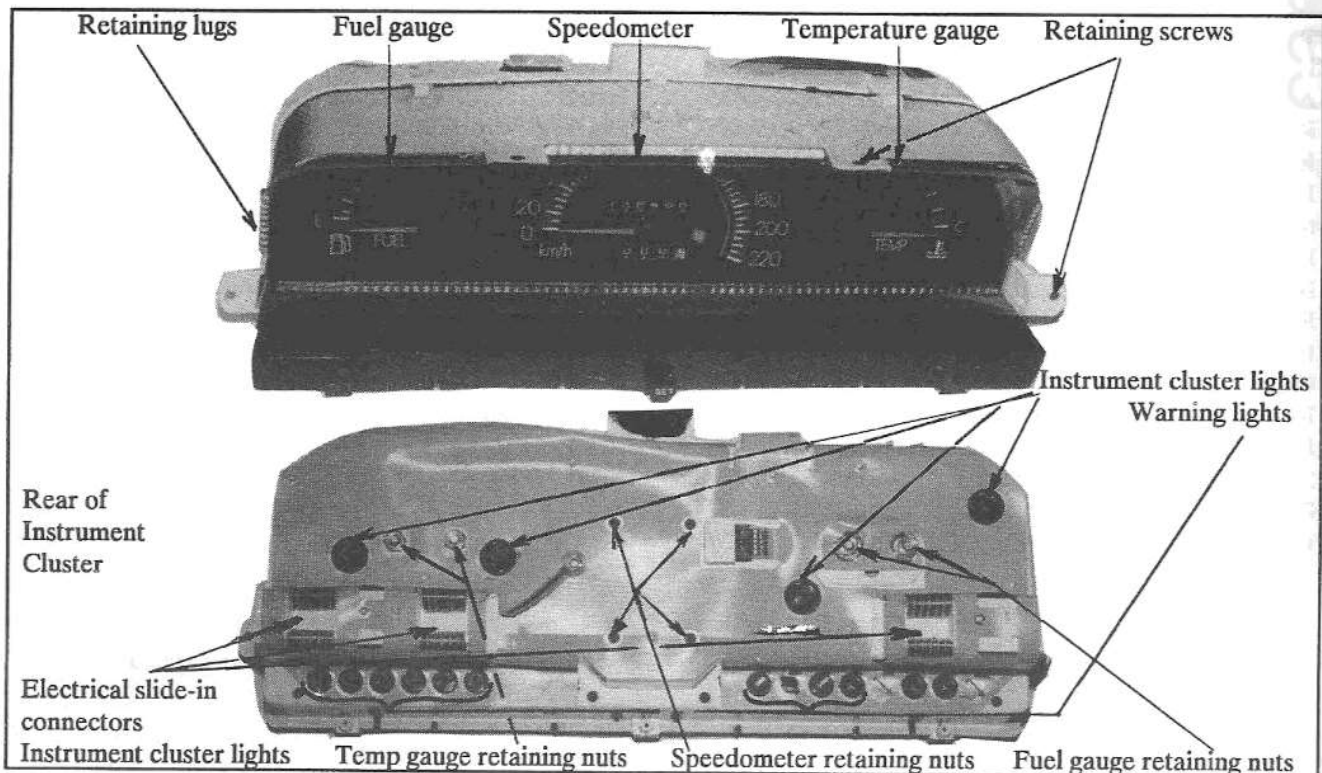
4. Remove the heater / airconditioner control panel by juggling it around the radio escutcheon.

5. Remove the vacuum hoses, label hoses and identify the vacuum ports which the particular hoses belong too. This is to help during installation of the heater control switch.

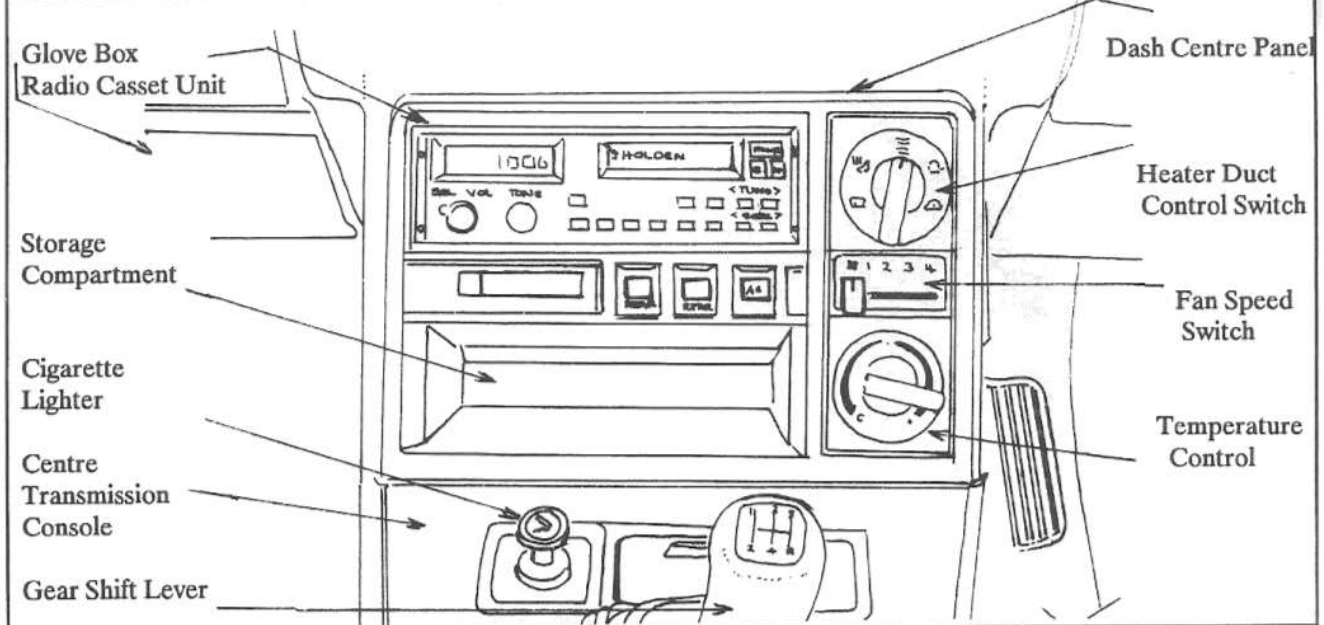
Install

1. Connect the heater / airconditioner wiring loom connectors and connect vacuum hoses, use the labels made during removal to identify the correct hoses for the ports.

2. Replace the radio escutcheon fitting the wiring connectors to the controls if removed. Replace the radio escutcheon by sliding the side clips into place. Replace the heater / airconditioner (1 screw) controls, radio escutcheon (3 screw) to the dash assembly.



Dash Panel Centre Radio Facia and Heater/Air Conditioner Controls



3. Replace the centre switch wiring connectors to the correct switches.

4. Replace the centre transmission console as described earlier.

5. Re-connect the earth cable to the battery.

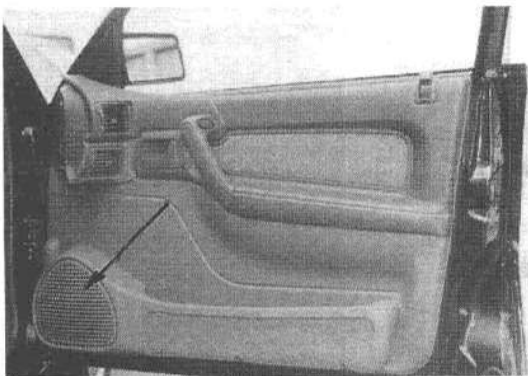
FRONT SPEAKERS (Located in Door)**Remove**

1. Remove window handle, as previously described.
2. Remove the inner pull handle as previously described.
3. Remove the three screws from the base of the trim.
4. Use the thin narrow blade with a hook or screw driver with hooked blade, slide it in along the side of the red section of the locking knob, catch the red section and pull it out and away from the locking knob. The red section fixes the locking knob to the door lock rod. Lift the locking knob off the locking rod. Remove screw behind lock rod.

5. Remove mirror cover on front doors. Remove cover plug, screw behind plug, pull cover off and back to free cover from centre support.

6. Prise the door trim away from the door with a screw driver or strong flat tool.

Front Speaker



7. Remove three screws holding speaker to speaker box.

8. Lift speaker from box and disconnect electrical plug.

Install

1. Position speaker near speaker box and connect electrical plug.

2. Install three screws holding speaker to speaker box.

3. Carefully position the door trim on the door aligning retainers with the retainer holes in the door steel panel.

2. If any of the inner door trim retainers come away from the trim, glue the retainers back to the door trim.

3. Once the door trim is in position fit the attachments back, such as window regulator handle, door handle and screw on mouldings, plus the mirror cover and screw.

4. Replace the three screws from the base of the trim.

REAR SPEAKERS (Parcel shelf)**Remove**

1. Lift parcel shelf in front of rear window.

2. Remove screws holding the speaker in position.

3. Lift speaker up, remove electrical connector, remove speaker.

Install

1. Replace speaker, connect electrical wires.

2. Replace screws holding the speaker in position.

3. Replace parcel shelf.

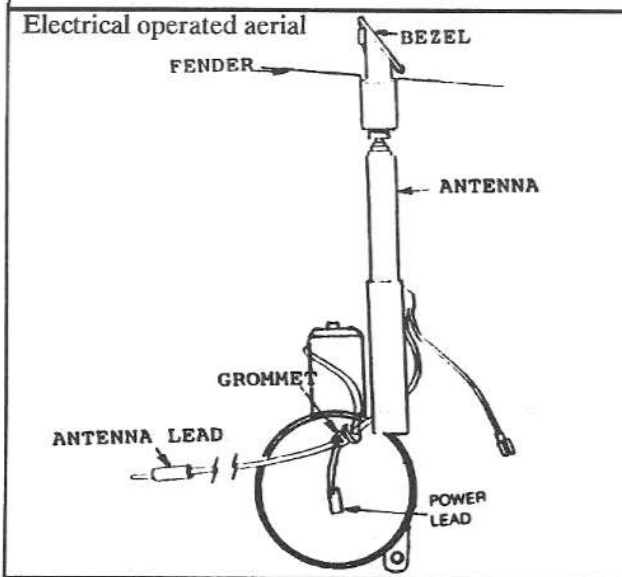
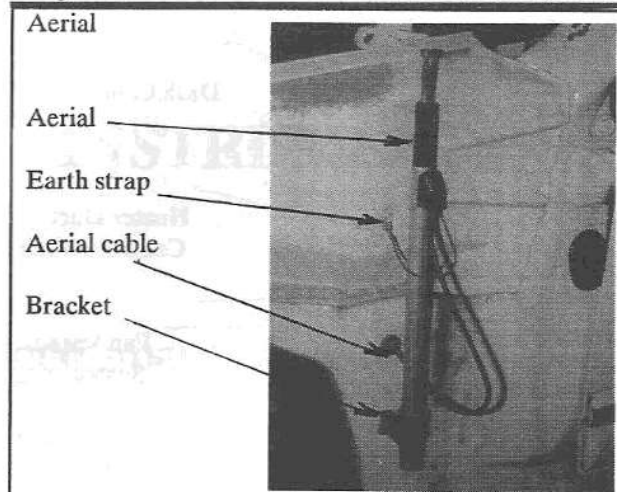
AERIAL**Remove**

1. Make sure antenna is fully down.

2. Remove the left side kick panel, disconnect antenna cable at connection behind kick panel.

3. Remove the fender inner lining to gain access to the antenna.

4. Remove the electrical connections to the antenna if it is an electrical powered unit.



5. Remove the bolt securing the antenna bracket to the body panel.

6. Gently pull the antenna down from the front fender, pull the cable from the rubber grommet.

Install

1. Push the top end of the antenna up into the front fender bezel, feed the cable through the rubber grommet into the vehicle body.

2. Install bolt securing the antenna bracket to body panel.

3. Reconnect the electrical connections to the antenna if it is an electrical powered unit.

4. Replace the fender inner lining.

5. Remove the left side kick panel, connect antenna cable at connection behind kick panel.

6. Test operation of antenna.

Instrument Facia Switch Assemblies

Remove

1. Remove the instrument facia from dash panel by removing the 2 screws in front of and at top of instruments.

2. Pull out facia enough to disconnect the wiring looms, label looms and connectors to help installation of facia.

3. Remove light and dimmer switch by pulling off knob, dimmer adjuster, unscrew front bezel of switch.

4. Switches to left of instruments are held by two lugs either side, use a small screw driver or blade to free lugs, then remove each switch.

Install

1. Insert the switches to the left of instrument cluster into the instrument facia, push in to lock into position.

2. Replace light and dimmer switch by inserting switch, screw on front bezel of switch. Fit dimmer adjuster then push on knob.

3. Connect the wiring looms taking note of the labels on the connectors from when removing the connectors.

4. Install the 2 screws attaching the instrument facia to the dash panel.

Instrument Cluster

Remove

1. Remove the instrument facia from the dash panel by removing the 2 screws,

2. Pull out facia enough to disconnect the wiring looms, label to help installation of facia.

3. Remove the instrument cluster (2) attaching screws. Carefully withdraw the cluster as the cluster has slide in electrical connectors at the rear, some clusters have one electrical push-in plug at rear of cluster.

Install

1. Carefully slide the cluster into position as the cluster has slide in electrical connectors at the rear, some clusters have one electrical push-in plug at rear of cluster.

2. Install the instrument cluster (2) attaching screws.

3. Replace the instrument cluster facia, connecting the wiring looms. Install the 2 screws attaching the instrument facia to the dash panel.

OIL PRESSURE SWITCH

Remove

1. Remove the electrical connector from the oil pressure switch, situated above the oil filter.

2. Remove the oil pressure switch, do not start engine with oil pressure switch removed.

Install

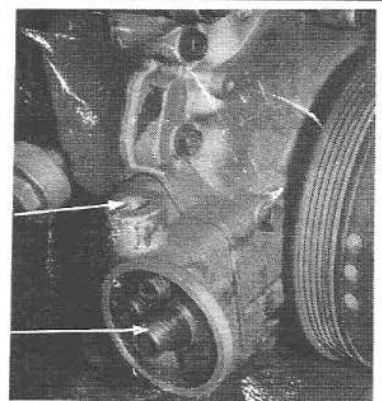
1. Replace oil pressure switch.

2. Connect electrical wire connection to switch unit.

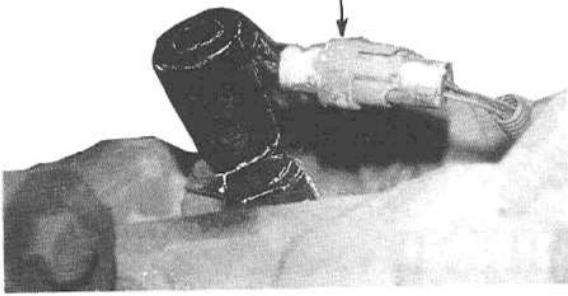
Electrical connector for the oil pressure switch, situated above the oil filter

Location of oil pressure switch

Location of screw on oil filter



Disconnect electrical connector from sender unit



SPEEDOMETER SENDER UNIT

Remove

1. Jack up vehicle to allow access to rear section of transmission.

2. Disconnect electrical connector from sender unit.

3. Remove the sender unit from transmission.

Install

1. Install plastic sender unit to transmission, tighten by hand.

2. Connect electrical wire connection to unit.

COOLANT TEMPERATURE SENDER

Remove

1. Remove pressure relief cap or radiator cap if engine is warm, to relieve pressure of cooling system.

2. If sender unit is to remain out for some, remove lower radiator hose to allow coolant level to drain below sender level.

2. Disconnect electrical connector from temperature gauge sender unit.

3. Remove temperature gauge sender unit.

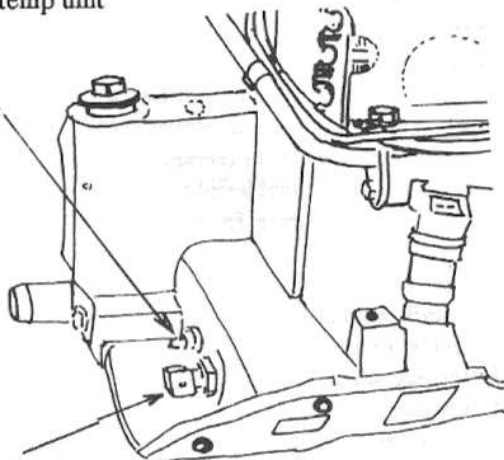
Install

1. Install temperature gauge sender unit.

2. Connect electrical connector to temperature sender.

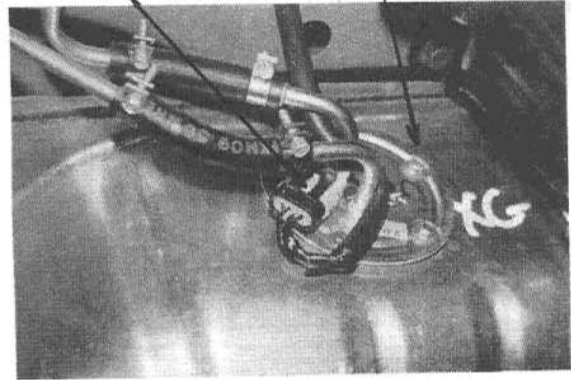
3. Top up cooling system with specified coolant.

Coolant temp unit



Coolant sensor unit

Electrical Connection to unit Fuel tank



FUEL GAUGE TANK UNIT

Remove

1. Disconnect the battery, because when disconnecting electrical wires at the fuel tank, it could be dangerous.

2. Drain the fuel tank of fuel.

3. Remove inspection plate from boot floor.

4. Remove the bolts securing the fuel gauge unit and fuel pump.

5. Disconnect the electrical wires to the fuel gauge unit and fuel pump.

6. Remove the complete unit, if the tank is plastic it may be necessary to loosen the tank straps to take pressure from the unit.

Install

1. Install fuel gauge unit and fuel pump into tank, use new bolts.

2. Connect the electrical wire connections to the unit.

3. Tighten the tank straps if they were loosened off.

4. Install inspection plate in the boot floor.

5. Connect the battery, fill the fuel tank and inspect for fuel leaks.

CENTRE CONSOLE SWITCHES

Remove

1. Remove the screws attaching the centre console to the floor. Pull rearwards slightly to gain access to radio and panel screws.

3. Remove the knobs and screws to pull radio out, unclip from instrument panel.

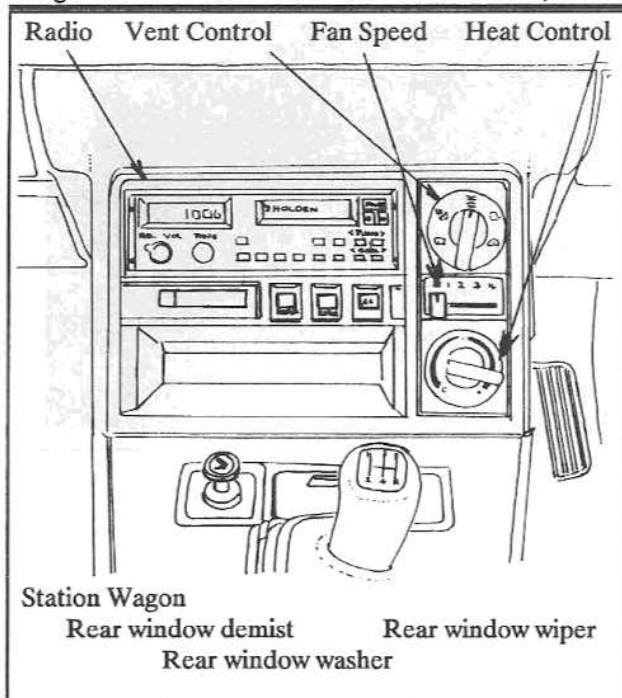
3. Remove the radio escutcheon (3 screws), remove the heater/airconditioner controls (1 screw) lift the escutcheon out enough to allow the wiring connectors to be removed from the controls, label wire looms to help install.

4. Remove the heater / airconditioner control panel by juggling it around the radio escutcheon.

5. Remove the vacuum hoses, label hoses and identify the vacuum ports which the particular hoses belong too. This is to help during installation of the heater control switch.

Install

1. Connect the heater / airconditioner wiring loom connectors and connect vacuum hoses, use the labels made during removal to identify the correct hoses for the ports.



2. Replace the radio escutcheon fitting the wiring connectors to the controls if removed. Replace the radio escutcheon by sliding the side clips into place. Replace the heater / airconditioner (1 screw) controls, radio escutcheon (3 screws) to the dash assembly.

3. Carefully lower and move the centre console forward over the handbrake handle and transmission gear shifter.
4. Install centre console as previously described.

IGNITION SWITCH / STEERING LOCK

Remove

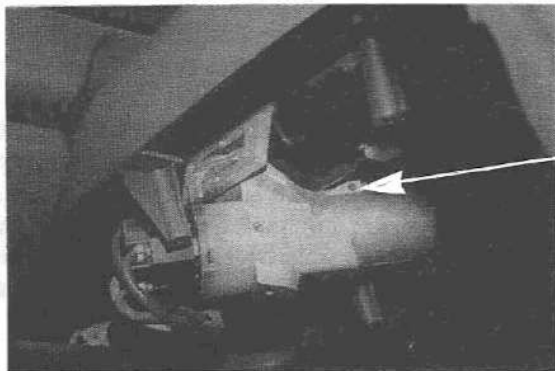
1. Remove the upper and lower shrouds from the steering column as described in this chapter.

2. Remove screw on left side to remove ignition switch. Insert 2.5mm pin into pin hole, upper right side of lock barrel, key turned on, push in barrel release lugg, pull barrel out to remove.

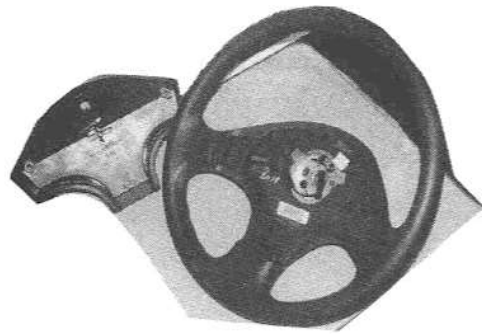
Install

1. Install ignition lock assembly onto the steering column.
2. Engage the barrel lugg, replace ignition switch screw, replace wiring connections.
3. Assemble the shrouds to the steering column.

Insert 2.5mm pin at arrow to release lock



Horn Switch



HORN ACTIVATOR

The horn button is a pull off and push on fit. When installing the four luggs must be aligned.

STOP LIGHT SWITCH

Replace

1. The switch is located under the dash on the brake pedal mounting bracket.

2. Disconnect the wiring connector at the switch, unscrew the switch from the bracket and remove.

3. To install the switch screw the switch into position, and adjust the switch so the pedal will activate the switch after the pedal free travel has been taken up.

4. Reconnect the wiring connector. Test stop light.

BACK-UP LIGHT SWITCH

Manual Transmission

The back-up light switch for vehicles equipped with manual transmission is non-adjustable. The diagram illustrates the position of the switch on the transmission.

Automatic Transmission

The back-up light switch (incorporated with the neutral start switch) for vehicles equipped with automatic transmission, is located at the selector lever.

TURN INDICATOR & LOW BEAM SWITCH CONTROL LEVER & FLASHER UNIT

The flasher unit is located at the top of the fuse panel and to the right side.

Remove

1. Remove steering column lower and upper covers by removing 4 screws from the lower cover.

2. Remove wiring loom connector from switch base.

3. Remove the control lever by pushing in locking clips, withdraw control lever from control base on steering column.

Install

1. Install control lever into the switch base, lock into position by retaining clips.

2. Replace wiring loom connector to control base.

3. Replace steering column lower and upper cover.

4. Test operation of headlights and turning indicators.