

INSTRUMENT BOARD

INSTRUMENT BOARD

Removal

1. Disconnect the battery.
2. Wrap the steering post jacket with tape to protect the paint finish.
3. Remove both console front side panels.
4. Remove the front seats (not necessary but helpful).
5. Remove the four steering post jacket bracket-to-instrument panel support bar retaining nuts and washers.
6. Remove the two capscrews attaching the instrument board support bar to the suspended pedal bracket.
7. Remove the hand brake bracket-to-instrument board support bar capscrews.
8. Remove two capscrews disconnecting the hood release control bracket and the instrument board support bar from the left cowl bracket.
9. Remove two capscrews disconnecting the instrument board support bar from the right cowl bracket.
10. Remove two nuts and washers which secure the climatizer water valve bracket to the bottom of the glove compartment.
11. Disconnect the radio antenna from the set (if so equipped).
12. Disconnect the vacuum pressure gauge hose from the pipe that leads to the engine manifold.
13. Remove four instrument board stud nuts which attach the top of the instrument board to the cowl.

Nut Locations (See Fig. 21): (Use 7/16" socket and 10" extension).

 - #1. Accessible through a 1" hole in the lower section of the instrument board.
 - #2. Accessible through a 1" hole in the top of the glove box compartment. Withdraw the vanity kit to uncover the access hole.
 - #3 and #4 nuts are readily accessible from underneath the board.
14. Lift the instrument board assembly upward to disengage the retaining studs from the elongated holes in the cowl flange.
15. Disconnect the oil gauge pressure line from the oil pressure gauge.
16. Disconnect the speedometer cable from the speedometer.
17. Disconnect the ignition switch from the instrument board. Press against the bezel on the front side and press the ignition lock assembly towards the instrument board from the rear then turn the ignition lock to the left to disengage it from the bezel.
18. Disconnect the single black wire, which goes up through a small hole in the glove box from the glove box compartment light switch.
19. Disconnect the radio wires at the connectors. Clean the wiring harness from under the radio.
20. Disconnect the courtesy light switch wires at the connector located to the left of the radio.
21. Remove the right courtesy light switch wiring from the clip on the instrument board support bar.
22. Remove the two screws which attach the tachometer sending unit and white ground wire to the instrument board support bar.
23. Remove the instrument light socket assembly from the vacuum-pressure gauge housing.
24. Remove the three wires from the gasoline gauge terminals. Tag or mark each wire terminal and location for proper identification during reassembly.
25. Remove the instrument light socket assembly from the gasoline and oil pressure gauge housing.
26. Remove the three wires from the tachometer terminals. Tag or mark each wire terminal and location for proper identification during reassembly.
27. Remove the right and left turn signal light and socket assemblies from the instrument panel.
28. Disconnect the white ground wire from the retaining stud on the back of the speedometer. Remove the two instrument light bulb and socket assemblies from the top of the speedometer housing (black wires).

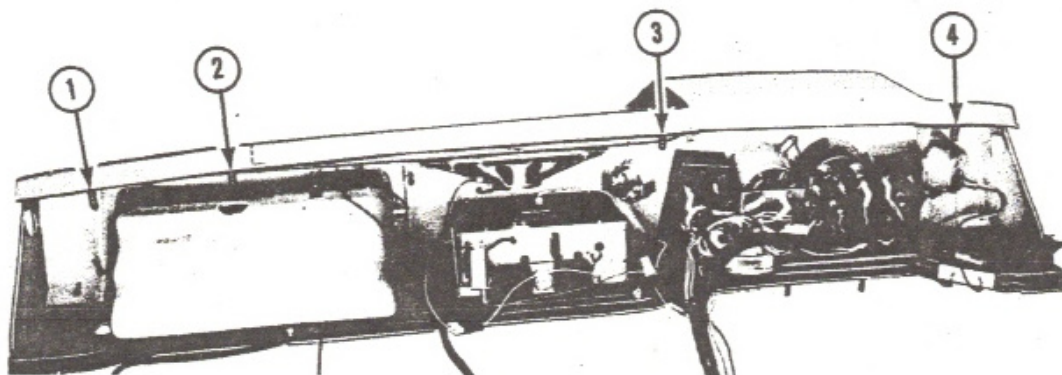


Fig. 21

- Remove the light beam signal light socket assembly from the lower hole of the speedometer housing (white wire).
29. Remove the two plug-in connectors and the single purple wire from the windshield wiper switch.
 30. Remove the three wires from the temperature gauge. Tag or mark the terminals and locations for identification during reassembly.
 31. Remove the two wires from the ammeter. Tag or mark the terminals for identification during reassembly.
Remove the light bulb and socket assembly from the ammeter and temperature gauge housing.
 32. Remove the brown wire from the clock terminal. Remove the light bulb and socket assembly from the clock housing.
 33. Disconnect the two black wires from the dash light resistor located on the front edge of the instrument board support bar.
 34. Carefully lift the instrument board assembly off the steering column and out of the car. Place the assembly on a clean and covered work bench for further disassembly.

Installation

1. Carefully position the instrument board assembly in the vehicle and support it in a manner to facilitate reassembly and the connection of the electrical wires.
2. Connect the two black wire leads to the dash light resistor located on the front edge of the instrument board support bar.
3. Connect the brown wire to the clock terminal. Install the light bulb and socket assembly into the clock housing (black and white).
4. Install the two ammeter wires (black-red). Install the light bulb and socket assembly into the ammeter and temperature gauge housing.
5. Install the three wires to the temperature gauge. (orange-gray-w/black tracer-white ground).
6. Install both of the plug-in connectors on the windshield wiper switch. Install the purple single wire on the top terminal.
7. Install the two instrument light bulb and socket assemblies into the two respective holes in the top of the speedometer housing. Install the high beam signal light socket assembly into the lower hole of the speedometer housing (white lead). Connect the white ground wire terminal to the retaining stud on the back of the speedometer.
8. Install the right and left turn signal light and socket assemblies into their respective receptical on the instrument panel (white leads).
9. Install the three wires on the tachometer terminals (2 white leads—1 yellow).
10. Install the instrument light and socket assembly into the hole of the gasoline and oil pressure gauge housing.
11. Install the three wires on the gasoline gauge terminals. (red-grey, and white ground wire).
12. Install the instrument light and socket assembly into the hole of the vacuum pressure gauge housing.
13. Attach the tachometer sending unit to the instrument board support bar with the two retaining screws. Fasten the white ground wire to one of the retaining screws.
14. Place the right courtesy light switch wires under the clip on the instrument board support bar.
15. Connect the map light switch wires to the connector located to the left of the radio.
16. Connect the green lead and the white ground radio wires at the connectors (if so equipped).
17. Insert the single black lead wire into the hole of the glove box and connect the terminal to the glove box light switch.
18. Install the ignition switch assembly.
19. Connect the speedometer cable to the speedometer.
20. Connect the oil gauge pressure line to the oil gauge.
21. Carefully lift the instrument board assembly into place and hook the four retaining studs into the elongated holes in the cowl flange. Be cautious and note that all wires and cables are forwarded of the instrument board and that the instrument board support bar rests on top of each cowl mounting bracket.
22. Install the four top instrument board-to-cowl flange nuts then push the instrument board assembly towards the windshield and secure the nuts to hold this alignment.
23. Connect the vacuum-pressure gauge hose to the pipe leading to the engine manifold.
24. Connect the radio antenna to the set (if so equipped).
25. Secure the climatizer water valve to the bottom of the glove box with the retaining nuts.
26. Secure the instrument board support bar to the cowl mounting bracket on the right side with the retaining capscrews.
27. Secure the hood release control bracket and the instrument board support bar to the cowl mounting on the left side with the retaining capscrews.
28. Attach the hand brake bracket to the instrument board support bar with the retaining capscrews.
29. Attach the instrument board support bar to the suspended pedal bracket with the retaining capscrews.
30. Lift the steering post and jacket assembly into position and install the four washers and nuts.
31. Install the console front side panels.
32. Install the front seats.
33. Remove the protective material from steering post jacket and clean up the instrument board and interior of car.
34. Connect battery.

INSTRUMENT BOARD

Disassembly

1. Remove the instrument board end plate trim panels.
2. Remove the electric clock retaining nuts and lock-washers (6, Fig. 22). Remove the clock.
3. Remove the vacuum-pressure gauge retaining nuts and brackets. Remove the gauge.
4. Remove the water temperature and ammeter attaching nuts (5 and 7) and housings. Then remove the instruments.
5. Remove the speedometer attaching nuts (4) and bracket. Remove the speedometer.
6. Remove the tachometer attaching nuts (3) and bracket. Remove the tachometer.
7. Remove the oil pressure and fuel gauge attaching nuts (1 and 2) and housing. Remove the instruments.
8. Remove the windshield wiper switch knob, nut, and escutcheon. Remove the switch and the instrument panel overlay.
9. Remove the radio, speaker, and rear speaker switch if so equipped.
10. Remove the instrument light resistor coil (9) from the instrument panel support bar.
11. Remove the radio speaker grille retaining nuts and remove the grille.
12. Remove the crash pad from the instrument board. The crash pad is secured to the instrument board by adhesive all around the edge and above the glove compartment door opening. There are also eleven spring wire retaining clips which may be seen from the back side of the instrument board and two stud nuts and washers located between the top of the glove compartment and the top front edge of the crash pad over the compartment door.

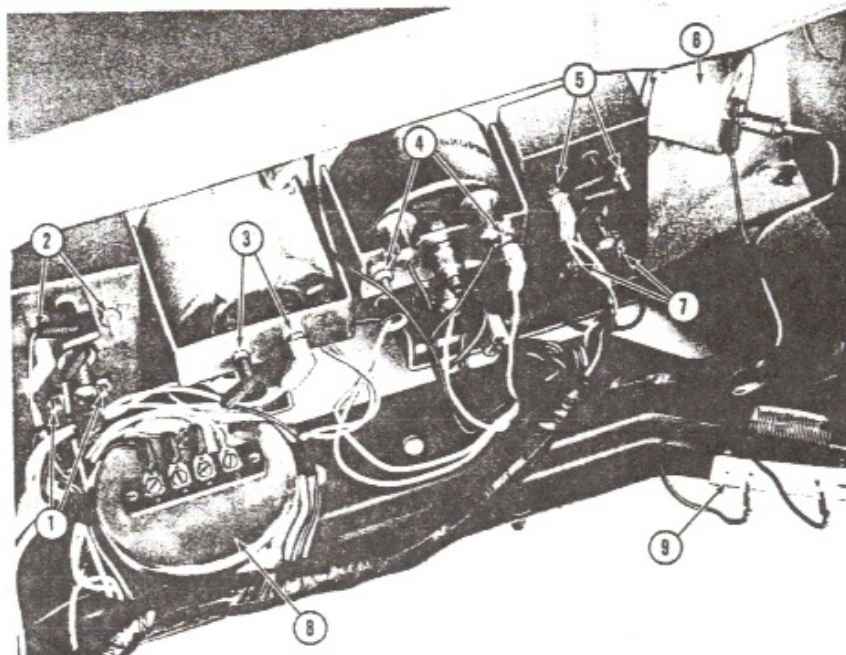
13. Remove the glove compartment light and switch assemblies.
14. Carefully remove the lining of the glove compartment. Remove the compartment door hinge bolts and nuts. Disconnect the glove compartment door check, then remove the compartment door.
15. Remove the compartment door crash pad retaining screws and remove the pad from the door.

Reassembly

1. Install the respective retainers into the crash pad assembly.
2. Install the bolts into the crash pad which will engage the instrument board holes above the glove compartment.
3. Fit the crash pad assembly over the instrument board and check it carefully for alignment and proper fit.
4. Apply adhesive in the area where the original crash pad was cemented to the instrument board.
5. Engage the retainer clips and install the washers and nuts on the two studs above the glove compartment opening.
6. Apply adhesive under the edge and on the ends of the instrument board.
7. Apply adhesive on the under edge of the crash pad and when the adhesive becomes tacky—fold the crash pad flange over the instrument board and apply pressure to stick it properly into position.
8. Fold the ends of the crash pad to fit and adhere to the end sections of the instrument board and install the end plate trim panels.
9. Install the instrument panel overlay and fit it properly. Then install and tighten the nuts on the exposed studs of the overlay at the clock hole.

Fig. 22

1. Oil pressure gauge nuts
2. Fuel gauge nuts
3. Tachometer nuts
4. Speedometer nuts
5. Heat indicator nuts
6. Clock
7. Ammeter nuts
8. Tachometer sending unit
9. Instrument light resistor coil



10. Insert the vacuum-pressure gauge into the hole on the right end of the panel. Secure the gage with the retaining clamps and nuts.
11. Examine the instrument panel overlay for alignment and correct as necessary.
12. Fit each instrument into its respective location. Correct the holes in the instrument board to match the instrument panel overlay if necessary.
13. Install the radio speaker grille and fit it properly into the recess. Then install the retaining washers and nuts.
14. Install the crash pad on the glove compartment door with the retaining screws.
15. Install the glove compartment door and hinges. Then attach the door check.
16. Install the glove compartment lining and secure it with adhesive.
17. Install the glove compartment light and switch assembly.
18. Install the instrument light resistor retaining screws and secure it to the instrument board support.
19. Install the speaker, radio, and rear speaker switch if so equipped.
20. Install the windshield wiper switch, washer, escutcheon, nut, and knob.
21. Install the oil pressure and fuel gauges, housings and attaching nuts.
22. Install the tachometer, bracket and attaching nuts.
23. Install the speedometer, bracket and attaching nuts.
24. Install the water temperature and ammeter gauges, housing and retaining nuts.

25. Install the vacuum-pressure gauge, brackets and attaching nuts.
26. Install the electric clock with the retaining nuts.
27. Align all gauge and instrument dials then tighten all retaining nuts and brackets.

INSTRUMENT PANEL OVERLAY

The metal overlay around the instruments is retained in place by the two small clock retaining studs and by the bezels of all the instruments. To remove the overlay remove all of the instruments and the windshield wiper switch and lift the overlay off of the instrument board.

PACKAGE COMPARTMENT DOOR

Alignment

1. To adjust the package compartment door, loosen all of the hinge screws and tighten them finger tight. Then close the door and shift it as necessary within the opening in the instrument board. Tighten the screws securely after making the adjustment.

Latch Adjustment

1. To adjust the latch assembly loosen the striker plate retaining screws and shift the striker in or out as required until the proper release is obtained. Tighten the screws securely after making the adjustment.

INSTRUMENTS

The individual instruments can be removed without removing the instrument board. The instrument panel metal overlay can also be removed without removing the instrument board.

Removal

Speedometer

1. Disconnect the battery.
2. Disconnect the speedometer cable.
3. Remove the ground wire from the retaining clamp stud and the three light bulb and socket assemblies from the speedometer head.
4. Remove the two retaining clamp stud nuts and retainer and remove the speedometer by pulling it out of the panel toward the steering wheel.

Tachometer

1. Disconnect the battery.

2. Disconnect the three wires from the tachometer head.
3. Remove the bulb and socket assemblies from the holes in the side of the tachometer.
4. Remove the clamp retaining nuts insulator grommets and clamp.
5. Pull the tachometer out of the instrument panel toward the steering wheel.

Fuel and Oil Pressure Gages

1. Disconnect the battery.
2. Remove the three wires from the fuel gage and the bulb and socket assembly from the instrument case.
3. Disconnect the oil pressure pipe from the oil pressure gage.
4. Remove the instrument retaining stud nuts and the insulating grommets. Then remove the instrument case and pull the instruments out of the instrument panel toward the steering wheel.