SECTION I

INSTRUMENT PANEL—DESCRIPTION

The instrument panel assembly consists of a vinyl covered, padded metal shell with provisions for mounting the instrument grouping, defroster and compartment air outlets, and various lighting controls and console finisher. (See Figure I-1.) The panel also serves as upper support structure for the steering column.

All panel mounted components can be removed for service with the panel installed, as described in Section IV. However, should requirements for removing the panel occur, it can be removed as a unit per the following procedure.

Preparatory to removal or servicing of any major electrical circuit, or component, and as a safety measure, the vehicle electrical system should be made inoperative.

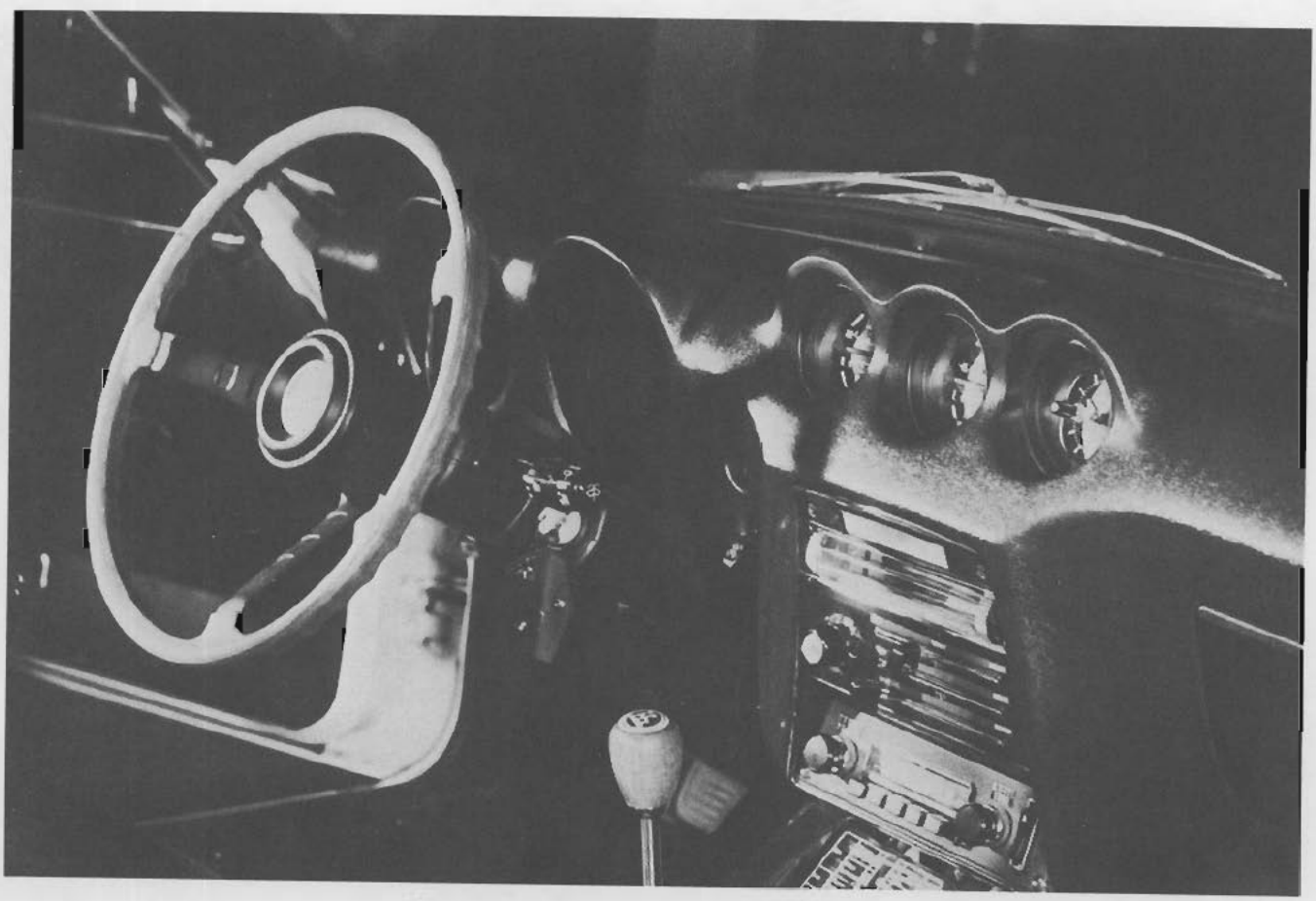


Figure I-1. Instrument Panel Assembly

1. INSTRUMENT PANEL WIRE HARNESS RETAINING CLIPS
2. SPEEDOMETER INSTRUMENT LAMPS, AND HI/LO BEAM INDICATOR LAMPS
3. TACHOMETER INSTRUMENT LAMPS, TURN SIGNAL LAMPS AND ELECTRICAL POWER CONNECTOR
4. AMMETER/FUEL GAUGE, POWER CONNECTOR AND INSTRUMENT LAMP
5. OIL PRESSURE/WATER TEMPERATURE GAUGE, POWER CONNECTOR AND INSTRUMENT LAMP
6. CLOCK POWER, GROUND CONNECTORS AND INSTRUMENT LAMP (IF EQUIPPED)
7. RADIO POWER SOURCE CONNECTOR AND IN-LINE FUSE
8. RADIO, POWER ANTENNA CONNECTOR AND ANTENNA LEAD-IN (MAP LIGHT)
9. HAZARD SWITCH CONNECTORS
10. INSTRUMENT LIGHTING RHEOSTAT CONNECTORS
11. BLOWER SWITCH/MOTOR INTERMEDIATE WIRE HARNESS CONNECTOR
12. BLOWER MOTOR POWER SOURCE
13. AIR CONDITIONER POWER SOURCE (IF EQUIPPED)

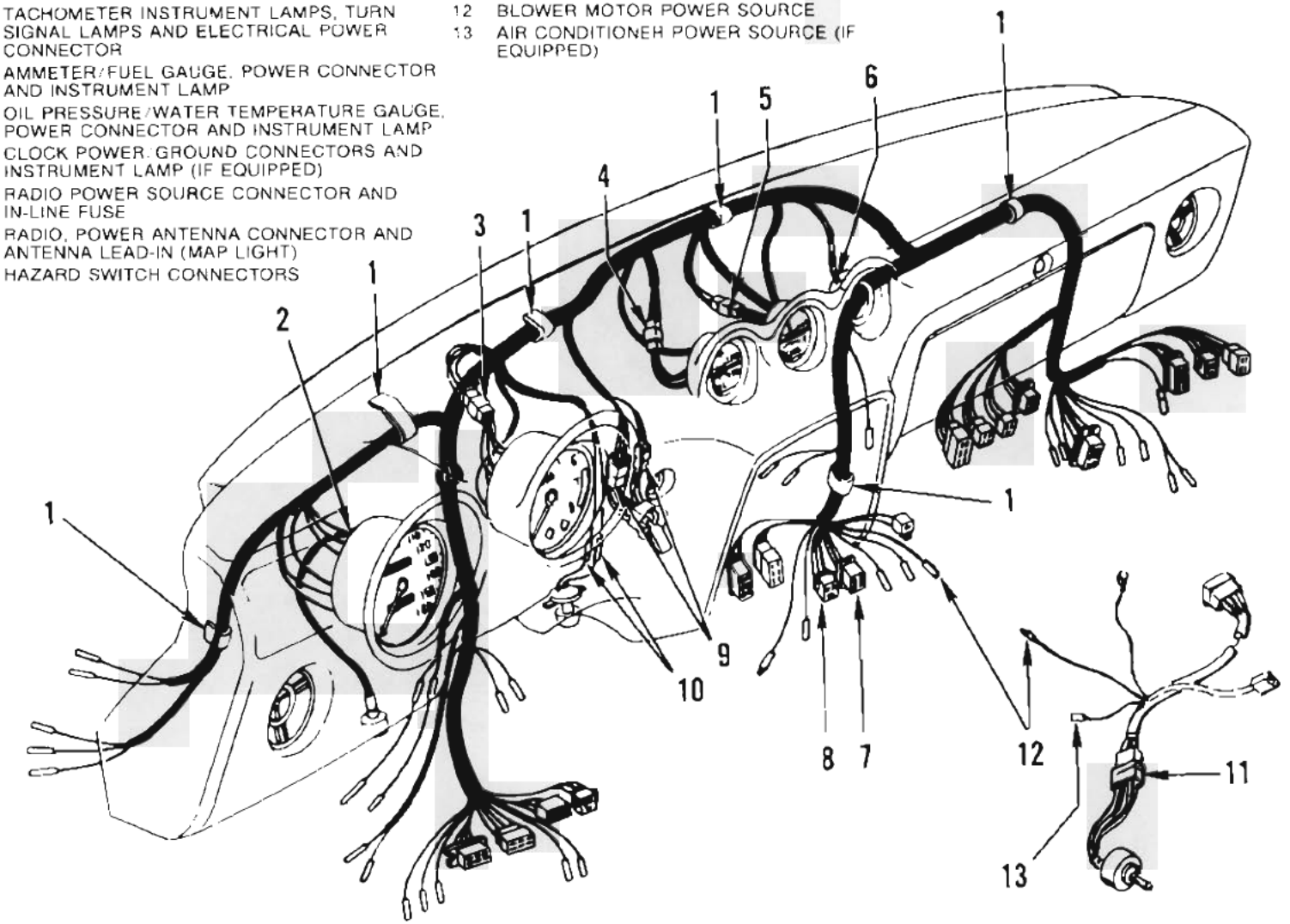


Figure 1-2. Instrument Panel, Wire Harness Disconnect

A. Preparation for Removal (Instrument Panel Component Disconnect)

1. Disconnect the battery by removing the Positive (+) battery cable from the respective terminal at the battery.

2. The following instructions pertain to removing the instrument panel whereby the panel electrical wire harness remains stationary, in place. This operation requires electrical disconnection only at specific points as will be explained. Should it be desirable to remove the panel/wire harness integral, then a total disconnection must be made isolating the engine and body harnesses from the panel wire harness. For a complete identification of disconnect points, refer to Figure VI-1.

3. Before any electrical panel wiring is disconnected, release the wire harness from the retaining clips, Item 1, as shown in Figure I-2. Make the remaining electrical disconnections as follows:

a. Locate and disconnect wire harness connectors, Items 2 through 10, and remove all instrument lamp bases from the instruments.

b. Disconnect all power and ground wires leading to each instrument including the clock (if equipped) and the map light.

c. Disconnect the intermediate blower switch wire harness connector, Item 11, from in back of the switch, and the blower motor hot lead, Item 12, from the panel wire harness.

d. Disconnect the air conditioner hot lead, Item 13 (if equipped).

NOTE

Steps described in Paragraphs A-1 through A-3d complete the instrument panel electrical disconnect. However, a visual check should be made for connections to accessories not normally installed.

4. Locate and disconnect the speedometer drive cable retaining collar at the rear of the instrument.

5. Remove the heater and defroster ducts from the connections at the air outlets. (Refer to Section III.)

6. Disconnect the heating unit and air intake box control cables in accordance with the instructions outlined in Section III. (See Figures III-4, III-6 and III-7.)

B. Removal (Instrument Panel Assembly)

Figure I-3 shows the right-hand (left-hand opposite) instrument panel, floor attach points at the panel support strut and radio chassis support bracket. The remaining attach points occur at six mounting holes on the cowl below the windshield and at two outboard, panel support brackets suspended from under the cowl. (See Figure I-4.)

1. As shown in Figure I-3, remove the panel, attaching hardware in order, as follows:

a. Center instrument panel support strut attaching screws, Item 1.

b. Instrument panel, radio support bracket attaching screws, Item 2.

2. Refer to Service Manual, Section ST, "Removal of Steering Wheel and Column," and remove attaching hardware as follows:

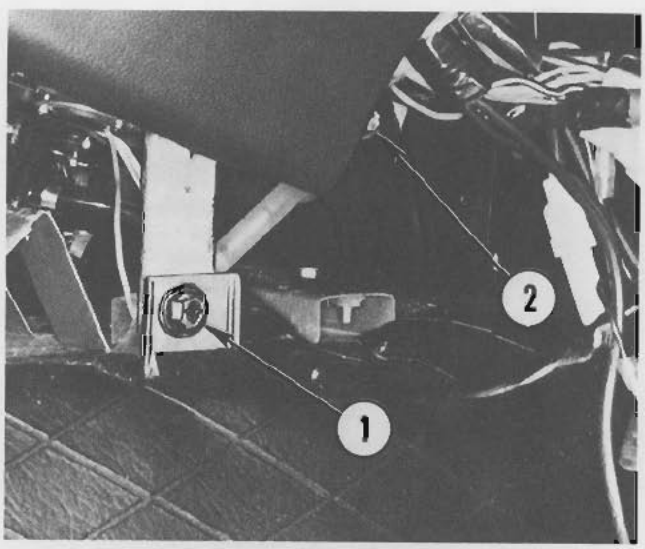
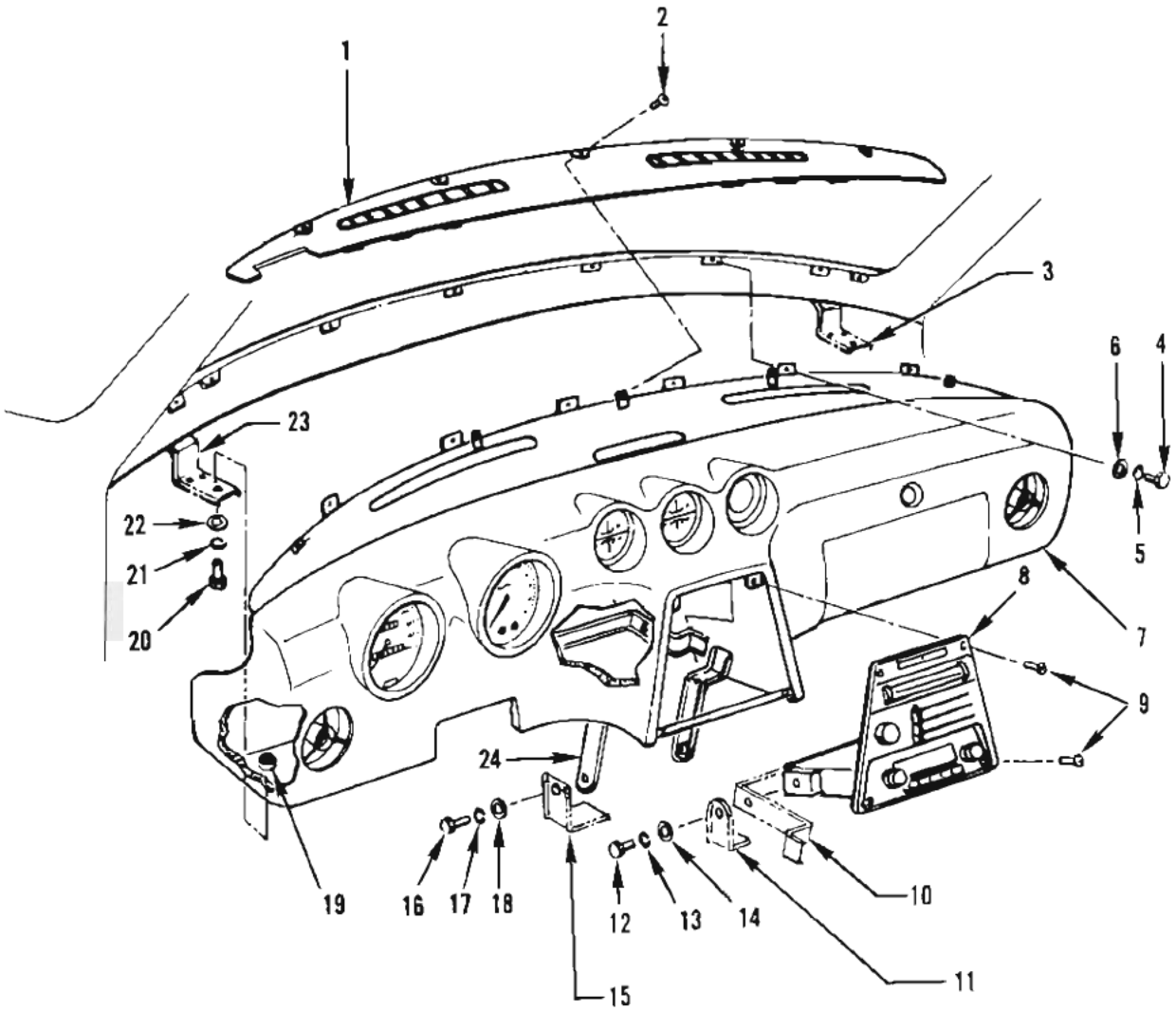


Figure I-3. Right-Hand Instrument Panel Floor Attach Points (LH Opposite)



1. INSTRUMENT PANEL TOP GARNISH
2. ATTACHING SCREWS
3. PANEL SUPPORT BRACKET (RIGHT-HAND)
4. PANEL ATTACHING SCREWS
5. LOCKWASHER
6. WASHER
7. INSTRUMENT PANEL ASSEMBLY
8. CONSOLE FINISHER ASSEMBLY
9. ATTACHING SCREWS
10. RADIO CHASSIS SUPPORT BRACKET
11. RADIO FLOOR SUPPORT BRACKET
12. RADIO CHASSIS ATTACHING SCREWS
13. LOCKWASHER
14. WASHER
15. INSTRUMENT PANEL FLOOR SUPPORT BRACKET
16. PANEL SUPPORT ATTACHING SCREWS
17. LOCKWASHER
18. WASHER
19. PANEL MOUNTING NUTPLATE
20. PANEL MOUNTING ATTACHING SCREWS
21. LOCKWASHER
22. WASHER
23. PANEL SUPPORT BRACKET (LEFT-HAND)
24. CENTER PANEL MOUNTING SUPPORT STRUTS

Figure I-4. Instrument Panel Attaching Hardware (Exploded View)

a. As shown in Figure ST-7, remove the four retaining screws holding the steering column bracket to the firewall.

b. As shown in Figure ST-6, remove the four attaching screws holding the steering column post clamp to the instrument panel. The steering column can now be lowered, and the wheel rested on the seat.

3. To obtain access to the panel/cowl attach points, remove the instrument panel top garnish and five Phillips head attaching screws, as shown in Figure I-4, Items 1 and 2. Complete the removal of panel attaching hardware as follows:

a. Panel/cowl attaching screws, Item 4.

b. Panel/cowl outboard support bracket attaching screws, Item 20.

4. The instrument panel assembly is now free of attachments and may be removed in the following manner:

a. Move the gear selector lever to the rear. Lift the panel assembly slightly, and insert some protective covering (cardboard or cloth) in between the panel and floor console to avoid marring the console.

b. Continue raising the panel while tilting downward until the lower panel support struts clear the floor console.

c. Bring the panel assembly towards the rear to a point where it can be removed through the passenger door opening.

NOTE

Perform any service to panel electrical/mechanical components in accordance with the applicable section(s) of the Service Manual.

C. Replace (Instrument Panel and Components)

Although replacement of the panel assemply is essentially the reverse order of removal, the following procedure suggests certain random operations be performed which are found to be effective.

1. Protect the floor console as for removal, and position the panel to rest on the floor console in a face down attitude. In this manner, access is obtained over the top of the panel whereby the heater control cables can be inserted through their clamps, and secured at the terminals. (Refer to Section III, Paragraph A.)

2. Raise the panel and guide the lower support struts and radio support bracket in position between the floor attach brackets.

3. Rest the panel in an installed position on the cowl mounted panel support brackets. Loosely attach the panel at the brackets and at the forward edge at the cowl with attaching screws.

4. Insert the attaching screws, secure the panel radio support bracket, and lower support struts at the floor attach brackets.

5. Raise the steering column and loosely attach the post clamp bracket to the panel. Insert and secure the lower column bracket attaching screws.

6. Secure the remaining panel assembly attaching hardware in order, i.e., the forward instrument panel, cowl, panel outboard support brackets, and steering column post clamp.

7. Connect the heater and defroster ducts to their respective outlets.

8. Refer to Figure I-2 for connector identification and make all electrical component to instrument panel wire harness connections.

9. Connect the instrument panel wire harness to the respective engine compartment wire harness connectors. (See Figure VI-1.)

10. Connect the speedometer drive cable to the instrument, making sure the cable drive spline is properly seated prior to threading on the retaining collar.

11. Connect the battery, and make a systematic check of all electrical/mechanical components and control to verify proper working order.

NOTES