

INSTRUMENT PANEL

Article Text

1994 Suzuki Swift

For Xeon

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ARTICLE BEGINNING

1994 ACCESSORIES & EQUIPMENT
Suzuki of America Corp. - Instrument Panels

Swift

DESCRIPTION

Standard instrument cluster includes speedometer, tachometer (if equipped), coolant temperature and fuel gauges. Oil pressure, check engine, charging, brake and seat belt warnings are indicated by lights.

TESTING

FUEL GAUGE

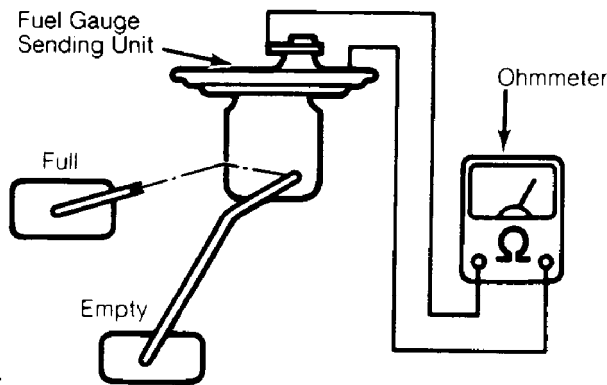
Disconnect Yellow/Red wire connector at fuel tank sending unit. Connect a 12-volt, 3.4-watt bulb (light) to harness side of connector and ground. Turn ignition on. Ensure bulb lights and fuel gauge needle fluctuates several seconds later. If not as specified, replace fuel gauge.

FUEL GAUGE SENDING UNIT

Remove fuel gauge sending unit from vehicle. Connect an ohmmeter between sending unit connector terminals. See FUEL GAUGE SENDING UNIT RESISTANCE table. If resistance is not as specified, replace sending unit. See Fig. 1.

FUEL GAUGE SENDING UNIT RESISTANCE TABLE

Application	Ohms
Full (Up)	1-5
1/2 Full (Middle)	28.5-36.5
Empty (Down)	113-127



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Fig. 1: Testing Fuel Gauge Sending Unit
Courtesy of Suzuki of America Corp.

COOLANT TEMPERATURE GAUGE

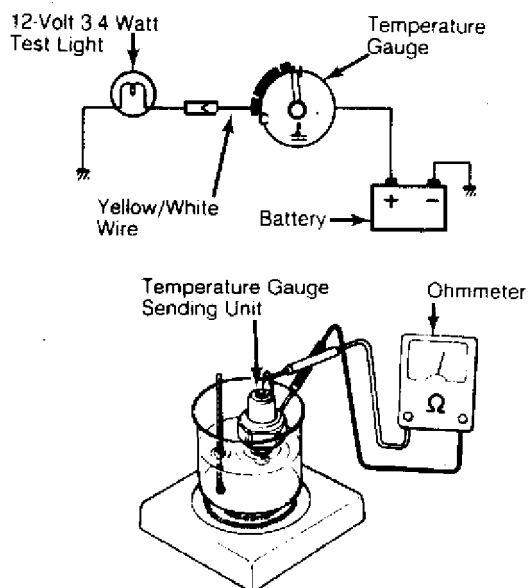
Disconnect Yellow/White wire connector at temperature sending unit. Connect a 12-volt, 3.4-watt bulb (light) to harness side of connector and ground. Turn ignition on. Ensure bulb lights and temperature gauge needle fluctuates several seconds later. If not as specified, replace temperature gauge. See Fig. 2.

COOLANT TEMPERATURE SENDING UNIT (GAUGE UNIT)

Warm sending unit in water. Ensure resistance decreases with increase of temperature. See Fig. 2. Using an ohmmeter, check sending unit resistance as temperature changes. See COOLANT TEMPERATURE SENDING UNIT RESISTANCE table. If resistance is not as specified, replace coolant temperature sending unit.

COOLANT TEMPERATURE SENDING UNIT RESISTANCE TABLE

Temp. - °F (°C)	Ohms
122 (50)	133.9-178.9
176 (80)	47.5-56.8
212 (100)	26.2-29.3



Courtesy of Suzuki of America Corp

Fig. 2: Testing Coolant Temperature Gauge & Sending Unit
Courtesy of Suzuki of America Corp.

OIL PRESSURE SENDING UNIT

Disconnect wire to oil pressure sending unit. Using an ohmmeter, measure resistance between sending unit terminal and body ground. There should be continuity with engine stopped. No continuity should exist when engine is running. Replace oil pressure sending unit as necessary.

BRAKE WARNING INDICATOR

BRAKE warning light will illuminate when ignition switch is turned to START or ON position, when parking brake is engaged and ignition is on, or when fluid level in brake master cylinder reservoir is below minimum level and ignition is on.

Brake Fluid Level Switch

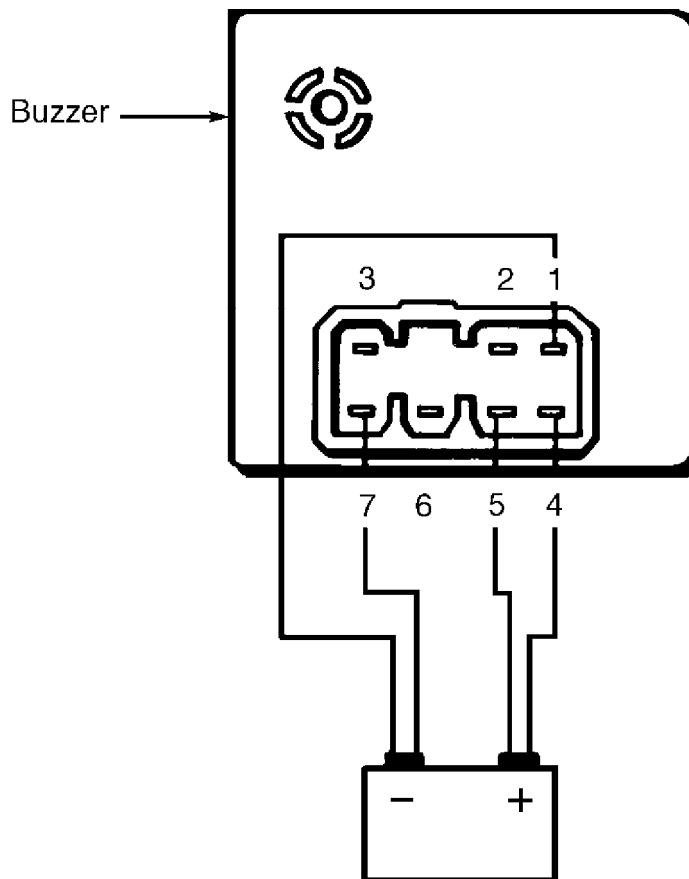
Using ohmmeter, measure resistance of brake fluid level switch at master cylinder. With float in up position, there should be no continuity. With float in down position, continuity should exist.

Parking Brake Switch

Using an ohmmeter, measure continuity between lead wire and ground. Continuity should be present with parking brake applied. With parking brake off (switch deactivated), continuity should be infinite.

SEAT BELT WARNING

Connect negative battery terminal to terminals No. 1 and 7 of controller. Connect positive battery terminal to terminals No. 4 and 5 of controller. See Fig. 3. Buzzer should sound for 4-8 seconds. Replace buzzer if it does not sound.



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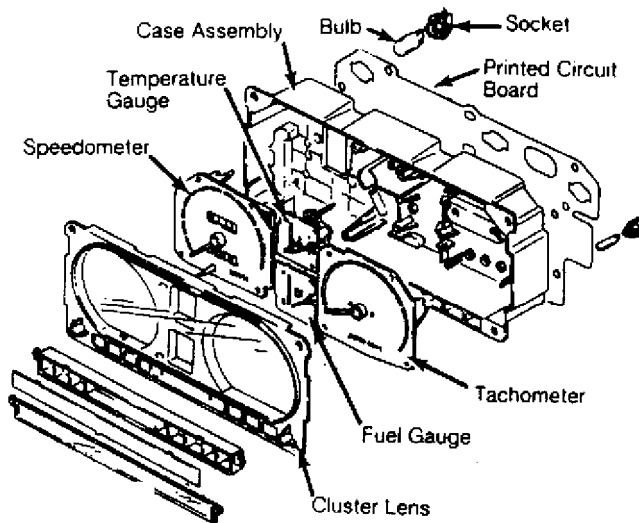
Fig. 3: Testing Seat Belt Warning Buzzer
Courtesy of Suzuki of America Corp.

REMOVAL & INSTALLATION

Removal & Installation

1) Disconnect negative battery cable. Remove steering column trim cover. Lower steering column. Remove instrument panel cluster bezel screws and remove bezel. Remove 2 switches from bezel. Remove instrument cluster attaching screws and remove instrument cluster.

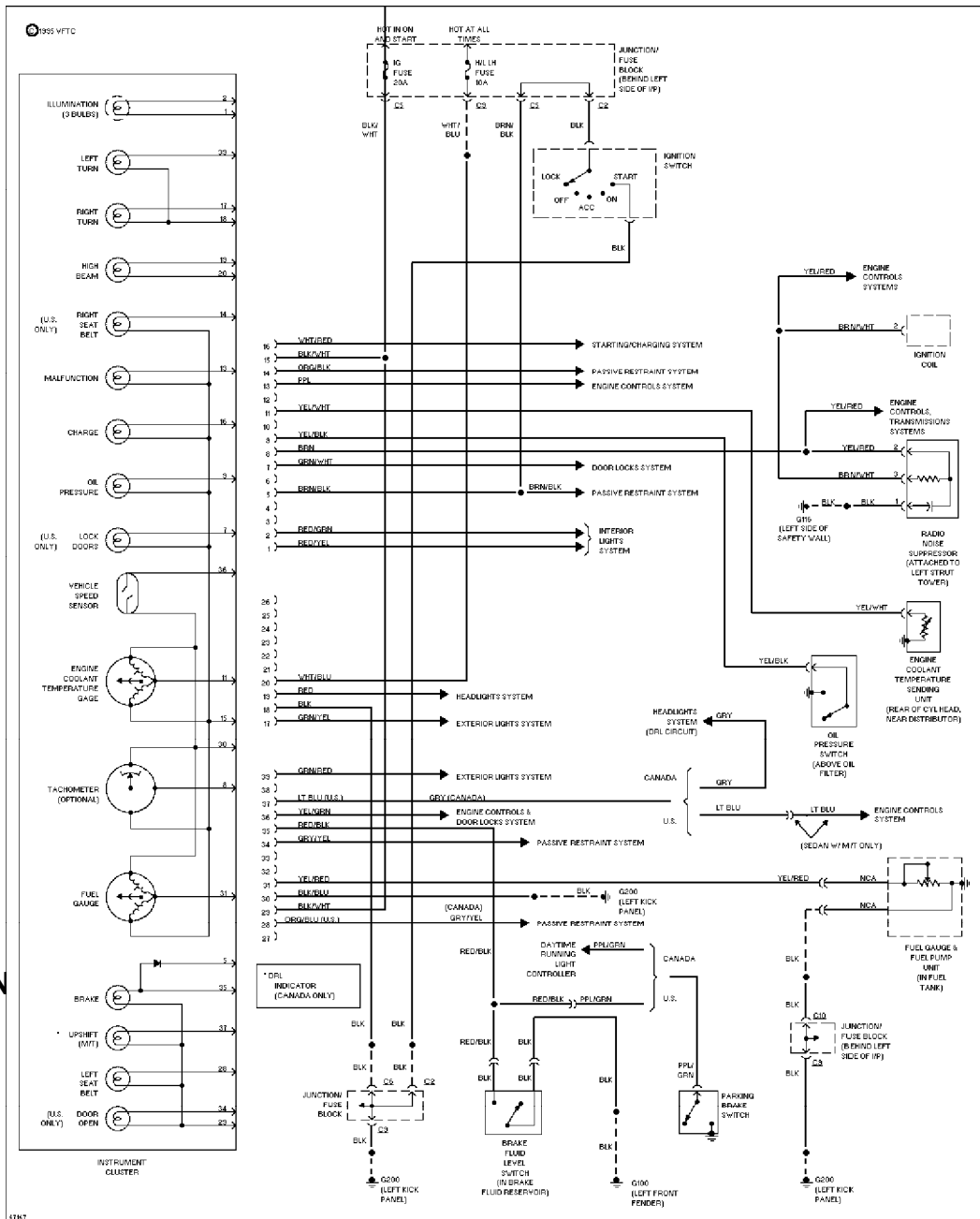
2) Disconnect electrical connector and speedometer cable. Remove cluster lens and speedometer head assembly. Remove tachometer (if equipped). Remove all bulbs, seat belt buzzer, and coolant and fuel gauges. To install instrument cluster, reverse removal procedure. See Fig. 4.



Courtesy of Suzuki of America Corp

Fig. 4: Exploded View Of Instrument Cluster (Typical)
Courtesy of Suzuki of America Corp.

WIRING DIAGRAM



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Fig. 5: Instrument Panel Wiring Diagram

END OF ARTICLE