

# Switches & Instrument Panels

## SUBARU

### DESCRIPTION

Subaru models may be equipped with either of 2 dashboards. The Standard and DL models have a speedometer with fuel and temperature gauges. The GL and GLF models also have a tachometer, oil pressure gauge and voltmeter.

The steering column lever operates the turn signals and headlight dimmer. Rotary switches on either side of the instrument cluster control the lights and wipers.

**NOTE:** Model can be determined by the examining seventh digit of the VIN number. A "1" indicates Standard model, "2" the DL model, "3" the GL, and "4" the GLF model.

### OPERATION

On all except GL and GLF, fuel and temperature gauges use a regulated 7 volt supply to ensure accurate readings. The voltage regulator is in the fuel gauge. The oil pressure gauge does not have a regulated voltage supply and operates on 12 volts. All the gauges use variable-resistance sending units.

### TESTING

#### FUEL GAUGE

1) On all except GL and GLF models, turn ignition off. If gauge does not drop below "E", replace it. On all models, unplug fuel tank sender. Connect various resistors between sending unit wire and ground.

2) A 7 ohm resistor should make gauge read full, 33 ohm resistor should make gauge read 1/2 full, and a 95 ohm resistor should make gauge read empty.

#### TEMPERATURE GAUGE

With engine coolant at specified temperatures, resistances of sending unit should be as listed in table. Resistance of gauge unit is 45 ohms.

#### SENDING UNIT RESISTANCES

Coolant Temperature	Ohms
GL & GLF	
109-129°F (43-54°C).....	154
233-245°F (112-119°C).....	18
All Except GL & GLF	
167-168°F (75-86°C).....	52
212-228°F (100-109°C).....	24

## REMOVAL & INSTALLATION

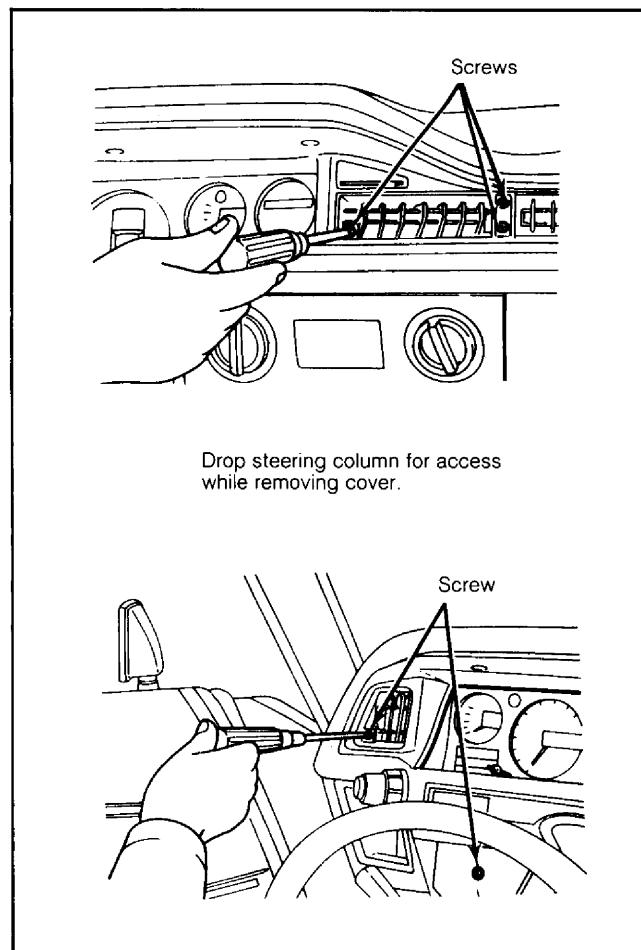
### INSTRUMENT CLUSTER & SWITCHES

#### Removal

1) Disconnect battery ground. Remove steering column bracket bolts and drop column down. Remove screws from cluster cover. On GL and GLF models, screws are hidden inside vents on either side of cluster.

2) Pull off ventilation knobs and remove passing light switch (if equipped). Unplug electrical wiring from cover and remove cover, with switches.

**Fig. 1: Screw locations for Removing GL & GLF Instrument Cluster Cover**



3) Remove cluster screws. Pull cluster forward and disconnect wiring and speedometer cable. Remove cluster.

#### Installation

To install, reverse removal procedure.

### COMBINATION SWITCH

#### Removal

Remove steering column bracket screws and pull down steering column. Remove horn pad and steering wheel. Remove steering column cover screws. Unplug wiring connectors. Remove combination switch.

#### Installation

To install, reverse removal procedure.