

## PORSCHE

### DESCRIPTION & OPERATION

All models have a speedometer, tachometer, fuel gauge, oil pressure gauge and clock. All 924 and 928 models also have a coolant temperature gauge and voltmeter.

The 944 has coolant temperature and fuel consumption gauge. The 911SC has an oil temperature gauge and oil level gauge. The speedometer on 911SC and 928 models is electronic and uses a sensor mounted in the transaxle assembly.

### TESTING

#### ELECTRONIC SPEEDOMETER SENDING UNIT

1) Locate connector for speedometer pickup. On 911SC models, it is beneath an access cover on the tunnel between the rear seats. Connect a test buzzer or voltmeter across the 2 wires.

2) Lift vehicle and rotate right rear wheel, while holding left rear wheel. Buzzer should sound 8 times for each 2 revolutions of the wheel. If vehicle has a limited slip differential, buzzer should sound 8 times for every 1 revolution of the rear wheel. If not, replace sending unit.

3) Make and break the wire connections (between sender and speedometer) as rapidly as possible. Speedometer needle should fluctuate. If not, replace speedometer assembly.

### REMOVAL & INSTALLATION

**NOTE:** Procedures were not available for 911SC and 944 models.

#### SPEEDOMETER AND GAUGES

##### Removal (924 & 924 Turbo)

Gauges are retained by rubber mounting ring. To remove, press from behind until gauge slides forward out of hole. Remove the tachometer and the combination gauge, then reach through the openings and pry out the speedometer.

##### Installation

To install, reverse removal procedure.

#### INSTRUMENT CLUSTER

##### Removal (928)

1) Disconnect battery ground. Remove steering wheel. Remove column switch, cover screws, rear wiper switch and defroster switch. Disconnect both 12-pin plugs at cluster.

2) Remove bolt and screw under cluster, then lift and tilt cluster towards rear. Remove mounting bolt on right side and remove cluster.

##### Installation

To install, reverse removal procedure.

#### STEERING COLUMN SWITCH

##### Removal (924 & 924 Turbo)

Remove steering wheel. Remove 4 screws and turn signal switch, then pull off wiper switch. Remove snap ring and bearing to access ignition switch housing.

##### Installation

To install, reverse removal procedure.

##### Removal (928)

Remove steering wheel. Remove cover under steering column switch. Loosen switch mounting screw and cluster cover screws. Lift cluster cover, unplug wiring, and slide off column switch.

##### Installation

To install, reverse removal procedure.