

DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST E
TEMPERATURE GAUGE INACCURATE (Continued)

TEST STEP		RESULT	ACTION TO TAKE
E3	CHECK SENDER CIRCUIT WIRING		
	<ul style="list-style-type: none"> ● Check sender circuit wiring and cluster flex circuit for shorts or opens with Rotunda Digital Volt-Ohmmeter 007-00001 or equivalent. ● Is wiring OK? 	Yes No	<ul style="list-style-type: none"> ▶ REPLACE gauge. ▶ SERVICE wiring/flex circuit. GO to B1.

TK16968A

REMOVAL AND INSTALLATION

Tachometer

Removal

1. Disconnect battery ground cable.
2. Remove and disassemble instrument cluster. Refer to Section 13-01B.
3. Remove tachometer from gauge clips by pulling tachometer from backplate.

Installation

1. Carefully position tachometer over gauge clips.
CAUTION: Tachometer is calibrated at factory. Excessive rough handling could disturb calibration.
2. Press tachometer into gauge clips in backplate. Use care not to get fingerprints on applique.
3. Assemble and install instrument cluster. Refer to Section 13-01B.
4. Connect battery ground cable. Check tachometer operation.

Oil Pressure Engine Unit Gauge

Except 3.8L Engine

Tools Required:

- Removal/Replacer Tool T87L-9278-A

Removal and Installation

1. Disconnect wire at oil pressure sender (9278) and remove switch using Removal/Replacer Tool T87L-9278-A.
2. To install oil pressure sender coat threads with Pipe Sealant with Teflon® D8AZ-19554-A (ESG-M4G194, ESR-M18P7-A) or equivalent and install fitting.
3. Tighten oil pressure sender to 16-22 N-m (12-16 lb-ft) using Removal/Replacer Tool T87L-9278-A or equivalent. The 3.0L and 3.2L SHO oil oil pressure sender torque is 12-16 N-m (9-11 lb-ft).

4. Install electrical connector to oil pressure sender.
5. Start engine and check for oil leaks.

3.8L Engine

Tools Required:

- Removal/Replacer Tool T87L-9278-A

Removal

1. Remove washer solvent/coolant recovery reservoir.
2. Release drive belt tension and position drive belt aside.
3. Remove belt idler pulley below power steering pump.
4. Disconnect wire from oil pressure sender and remove oil pressure sender using Removal/Replacer Tool T87L-9278-A.

Installation

1. Apply Pipe Sealant with Teflon® D8AZ-19554-A (ESG-M4G194, ESR-M18P7-A) or equivalent to threads of oil pressure sender. Install oil pressure sender using Removal/Replacer Tool T87L-9278-A or equivalent. Tighten to 11-24 N-m (9-17 lb-ft).
2. Install idler pulley. Tighten bolt to 70-95 N-m (52-70 lb-ft).
3. Install drive belt.
4. Install washer solvent/coolant recovery reservoir. Top off fluids.
5. Start engine and check for leaks.

The pressure switch-type unit used with the warning indicator system is not interchangeable with the variable resistance-type unit used with the gauge system. Refer to the Master Parts catalog for proper parts usage.

CAUTION: Installation of the wrong part will result in an inoperative oil pressure indicating system and a damaged sender unit or gauge.