

DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST FJ:
"CHECK LOW OIL" LEVEL WARNING IS ALWAYS ON (Continued)

TEST STEP		RESULT	ACTION TO TAKE
FJ3	CHECK SENSOR		
	<ul style="list-style-type: none"> ● Turn ignition switch to OFF. ● Disconnect wire from oil level sensor. ● Wait for more than two minutes. ● Turn ignition switch to RUN. ● Check messages for oil level warning. ● Is warning displayed? 	Yes No	GO to FJ4. SERVICE oil level sensor.
FJ4	CHECK WIRING		
	<ul style="list-style-type: none"> ● Remove electronic instrument cluster. ● Disconnect wire from oil level sensor. ● Measure resistance from electronic instrument cluster harness Connector A, Pin 14 to Connector A, Pin 8 or ground. ● Circuit should be open. ● Is circuit open? 	Yes No	REPLACE cluster. SERVICE Circuit 258 (W/PK) for short.

REMOVAL AND INSTALLATION

Cluster Assembly

Federal law requires that the odometer in any replacement speedometer/odometer must register the same mileage as that registered on the removed speedometer/odometer. Service replacement speedometer/odometers and odometer modules with the mileage preset to actual vehicle mileage are available through Ford Electronic Service Centers. In nearly all instances, the mileage continues to accumulate in the odometer memory even if the odometer does not display mileage. This mileage can usually be verified by the electronic service centers. Contact the service center for instructions to receive a replacement speedometer/odometer or odometer module with the mileage preset to actual mileage.

If the actual vehicle mileage cannot be verified, the service center will supply a speedometer/odometer or odometer module with the odometer display preset to zero ("0") miles and the service odometer segment "S" illuminated in the vicinity of the odometer display. In addition, an odometer mileage sticker is supplied with the replacement odometer. This sticker must display the estimated vehicle mileage and is to be affixed to the driver's door.

Removal

1. Disconnect battery ground cable.
2. Remove two lower trim covers.
3. Remove steering column cover and disconnect two screws retaining PRNDL cable to cluster.
4. Remove cluster trim panel.
NOTE: Switch module must be disconnected from cluster to remove trim panel.
5. Remove four cluster retaining screws.
6. Pull bottom of cluster toward steering wheel.

7. Reaching behind and underneath cluster, disconnect three connectors.
8. Swing bottom of cluster out to clear top of cluster from crash pad and remove cluster.

Installation

1. Insert top of cluster under crash pad, leaving bottom out.
2. Connect three connectors.
3. Seat cluster and install four retaining screws.
4. Connect battery ground cable and check cluster operation.
5. Connect PRNDL. Check PRNDL dial alignment and adjust if necessary. Install steering column cover.
6. Connect switch module to cluster and install cluster trim panel.
7. Install two lower trim covers.

Mask Assembly**Removal**

1. Remove instrument cluster as outlined.
2. Set cluster on clean surface facing up.
3. Remove warning indicator bulbs.
NOTE: Mask will not remove from backplate unless bulbs are removed.
4. Remove five screws retaining mask to backplate.
5. Disconnect switch connector from backplate and remove mask.

Installation

1. Insert switch connector into mask.
2. Place mask on backplate and install five retaining screws.