

## Instrument Cluster

Federal law requires that the odometer in any replacement speedometer must register the same mileage as that registered on the removed speedometer/odometer. Service replacement speedometer/odometer 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 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.

**NOTE:** The instrument cluster (10849) must be serviced as a complete assembly if it is determined that any of the following components are malfunctioning:

- Speedometer/odometer assembly
- Instrument cluster printed circuit
- Instrument cluster gauge clips
- Instrument cluster backplate

Instructions for ordering and handling a replacement instrument cluster are provided in this section.

Instrument cluster components that are serviceable at the dealership level are:

- Instrument panel lamp socket and bulbs (13B765) — base P/N 13B765
- Fuel and battery voltage gauge
- Oil pressure and engine coolant temperature gauge
- Tachometer (17360) (if applicable) — base P/N 17360
- Instrument cluster main lens (10887) — base P/N 10B885
- Instrument cluster mask (10890) — base P/N 10894
- Lens attaching screws — base P/N 804988

In addition to the above components, the following components are serviceable on Motorhome vehicles only:

- Unleaded fuel label (9A095) or label (blank) — base P/N 9A095
- Instrument cluster bezel (10876) — base P/N 10876
- Right- and left-hand jewels — base P/N 807025
- Screws — base P/N 807025

If diagnostic procedures result in a determination that any other instrument cluster component is malfunctioning, call the applicable "800" number listed below to order a replacement instrument cluster. Please have the information below ready before you call:

1. Vehicle type and cluster type (base/RPO — mechanical/electronic).
2. PSOM conversion constant. Refer to Conversion Constants Charts under Specifications in this section.
3. Current "actual" vehicle mileage.
4. Form No. 1878 (filled out)
5. Form No. 1863 (filled out)

For dealers serviced by the Detroit, New York, and Atlanta Parts Distribution Centers, call 1-800-262-9606.

For all other dealers the number to call is 1-800-321-6969.

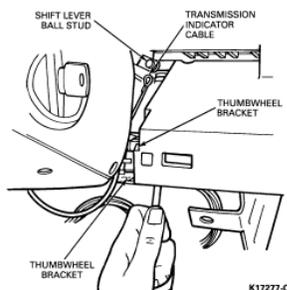
The service instrument cluster received will be preprogrammed with the vehicle mileage (eliminating the need for "circled S" odometers) and the PSOM speed signal conversion constant.



**CAUTION:** The instrument cluster requires special handling to avoid damaging internal components. The cluster **MUST** be kept **FACE UP** or in the in-vehicle position. Leaving the cluster face down may result in a loss of dampening fluid used in the gauges. The lost fluid could stain the cluster face or result in excessive pointer waver.

## Removal

1. Disconnect the battery ground cable (14301).
2. Remove the instrument cluster opening finish panels as described in [Section 01-12](#).
3. Remove the transmission indicator cable loop from the ball stud on the shift lever (automatic transmission equipped vehicles only).
4. Remove the thumb wheel bracket screw and detach bracket from steering column tube (3514) (automatic transmission equipped vehicles only).



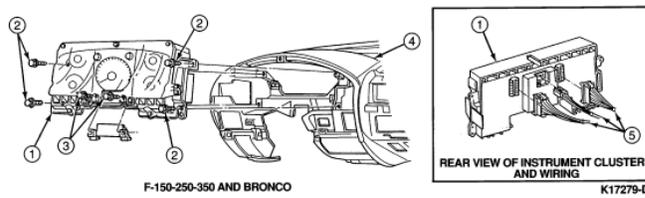
5. Remove four screws attaching the instrument cluster to the instrument panel (04320). Pull instrument cluster out of instrument panel, bottom first, to rest on the steering column tube.
6. Disconnect the three electrical connectors and remove the instrument cluster.

**Installation**

1. Position the instrument cluster facing up on the steering column and connect the three electrical connectors.
2. Position the instrument cluster in the instrument panel to engage locator pins.
3. Install the four screws attaching the instrument cluster to the instrument panel.
4. Place the transmission selector cable loop on the shift lever ball stud (automatic transmission equipped vehicles only).
5. Position thumbwheel bracket on the right side of the steering column tube and secure screw (automatic transmission equipped vehicles only).
6. Adjust the automatic transmission selector lever indicator (if equipped). Refer to [Section 11-04A](#) or 11-04B.
7. Install the cluster opening finish panels as described in [Section 01-12](#).
8. **NOTE: When the battery has been disconnected and reconnected, some abnormal drive symptoms may occur while the powertrain control module (PCM) (12A650) relearns its adaptive strategy. The vehicle may need to be driven 10 miles or more to relearn the strategy.**

Connect the battery ground cable.

**Instrument Cluster Installation**



Item	Part Number	Description
1	Instrument Cluster	
2	N803876-S36B	Screw (4 Req'd) 1.9-2.5 Nm (17-22 Lb-In)
3	N800705-S36B	Screw (2 Req'd) 1.4 Nm (12 Lb-In)
4	04320	Instrument Panel
5	14401	Main Wiring