

## INSTRUMENTS AND SWITCHES

### 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 speed meter/odometer or odometer module with the mileage preset to actual mileage.**

If the actual vehicle mileage cannot be certified, the service center will supply a speedometer/odometer module with the odometer/display preset to zero miles ("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 & INSTALLATION

#### Town Car

##### CONVENTIONAL CLUSTER

1. Disconnect the negative battery cable.
2. On 1988-89 vehicles, disconnect the speedometer cable.
3. Remove the instrument cluster trim cover attaching screws and remove the trim cover.
4. Remove the lower steering column cover retaining screws and remove the lower cover.
5. Remove the lower half of the steering column shroud.
6. Remove the screw holding the transmission range indicator column bracket to the steering column. Detach the cable loop from the pin and cane shift lever. Remove the column bracket from the column.
7. Remove the 4 cluster retaining screws. Dis-

connect the cluster feed plugs from the receptacle and remove the cluster assembly.

8. Installation is the reverse of the removal procedure.

##### ELECTRONIC CLUSTER

➤ **The electronics within the electronic instrument cluster are not serviceable. In case of an electronic failure, the entire instrument cluster must be replaced or returned to the manufacturer for repair.**

1. Disconnect the negative battery cable and set the parking brake.
2. Unsnap the center moulding on the left and right sides of the instrument panel. Remove the steering column cover and column shroud.
3. Remove the knobs from the auto dim and auto lamp switches, if equipped. Remove the 13 screws retaining the instrument panel and pull the panel out.
4. Move the shift lever to the 1 position, if required, for easier access.
5. Detach the electrical connectors from the warning lamp module, switch module and center panel switches, if equipped.
6. Remove the instrument cluster carefully so as not to scratch the cluster lens. Detach the electrical connector from the front of the cluster.
7. Disconnect the transmission range indicator assembly from the cluster by carefully bending the bottom tab down and pulling the indicator assembly forward.
8. Pull the cluster out and detach the electrical connectors on the rear of the cluster. Remove the instrument cluster.
9. Installation is the reverse of the removal procedure.

##### Continental 1988-94

##### ▶ See Figures 40 thru 56

1. Disconnect the negative battery cable.
2. Position vehicle on a flat surface to prevent movement when shift control selector lever is out of position.
3. Apply the parking brake, block the wheels.
4. Turn the ignition switch to unlock the shift control selector lever and move the lever down from the front of the Electronic Instrument Cluster (EIC).

5. Tilt the steering column down as far as possible.

6. Remove the passenger side and driver's side instrument panel moulding by pulling upward to unsnap the two clips. Disconnect the electrical connectors. Set the instrument panel moldings aside.

7. Remove the Torx® screws below the instrument cluster that retain the instrument panel finish panel applique.

8. Unsnap the instrument panel finish panel applique along the top and pull the instrument panel finish panel applique away from the instrument panel.

9. Disconnect the switch assembly electrical connectors. Set the instrument panel finish panel applique aside.

10. Remove the three screws from the bottom of the instrument panel steering column cover.

11. Lift up the top section of the instrument panel steering column cover to undo a clip located on the driver's side side near the steering wheel. Separate the upper section of the steering wheel from the side section near the ignition switch. Slip the upper section off the shift control selection lever and housing.

12. Remove the four Torx® screws retaining the instrument cluster to the instrument panel.

13. Place a clean, soft cloth on the steering column shroud to prevent scratching the front surface of the instrument cluster as it is removed.

14. Tilt the top of the instrument cluster slightly toward the rear of the vehicle. Undo the two snaps beneath the instrument cluster retaining the transmission control selector indicator (PRNDL) in the instrument cluster.

15. Reach around to the back of the instrument cluster to unplug the three connectors.

➤ **The connectors have locking tabs that must be pressed in to unplug the connection.**

16. Loosen the two clips retaining the transmission control selector indicator to the instrument cluster.

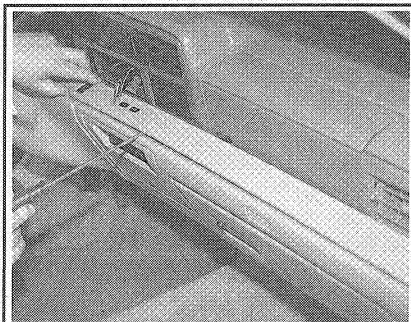
17. Pull the transmission control selector indicator down and to the right to position it out of the way.

18. Push the bottom of the instrument cluster into the instrument panel cavity. Tilt the top of the instrument cluster toward the rear of the vehicle. Pull the instrument cluster up and out of the cavity.



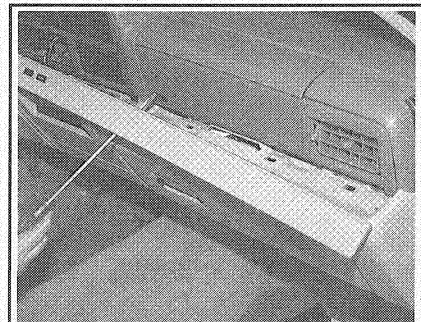
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**Fig. 40** Use a small pry tool to remove the cover panel on the left side of the steering column



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**Fig. 41** Then use a prytool to remove the right side



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**Fig. 42** Start from one side and disengage the clips