



Instrument Clusters

Refer to an authorized original equipment service manual for detailed installation instructions. If you do not have the experience, proper tools or manuals, please seek the services of a qualified technician.



Replacement TIME:

1 hr

COMMON SYMPTOMS

- Back-lighting inoperative
- Gauge needle inaccurate, erratic or inoperative
- Variable dimming feature inoperative
- Broken cluster case mounting tabs
- Driver information message center display intermittent or inoperative
- Odometer blank or flickering or erroneous readout
- Trip meter reset momentarily, pushbuttons loose, missing, or not functioning.
- Inability to toggle to correct language in odometer screen
- Acrylic lens cracked, not transparent, spots

BEFORE YOU INSTALL

Before installing the replacement instrument panel cluster, review all Technical Service Bulletins released by the O.E. manufacturer related to the instrument panel cluster (IPC). Follow the diagnostic and corrective procedures as listed on the bulletin.



SKILL LEVEL:

Service Technician

C

or higher

TIPS

- Retrieve all diagnostic trouble codes before attempting repairs
- Follow O.E. manufacturer's steps for testing and inspection based on the diagnostic trouble codes retrieved.
- Search for related Technical Service Bulletins released by O.E. manufacturer and follow steps on bulletin, if related to symptoms.
- Disconnect both battery cables, starting with the negative battery cable, before attempting replacement of the instrument panel cluster (IPC).
- On vehicles with a steering column mounted gear shifter, the gear shifter will have to be positioned in 1st gear in order to remove the dashboard trim bezel. Use vehicle wheel chocks to prevent the vehicle from rolling.
- The knee bolster located below the steering column and above the foot pedals may need to be lowered to access the dashboard trim bezel's lower retainers.
- Use care when removing the entire dashboard trim bezel from the vehicle, as it can be easily broken. It may be necessary to move the bezel from side to side to clear the cluster, radio and steering column.
- When reinstalling battery cables, connect the positive cable first, followed by the negative cable.

MYTH BUSTER

Myth: Problems with the digital displays, such as the odometer and message center are almost always caused by a cluster circuit board issue.

Myth Busted: Not necessarily. Although the cluster is the more likely cause, another cause may be a software error requiring advanced reprogramming with the latest calibration from the O.E. manufacturer.

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