

620 Instruments

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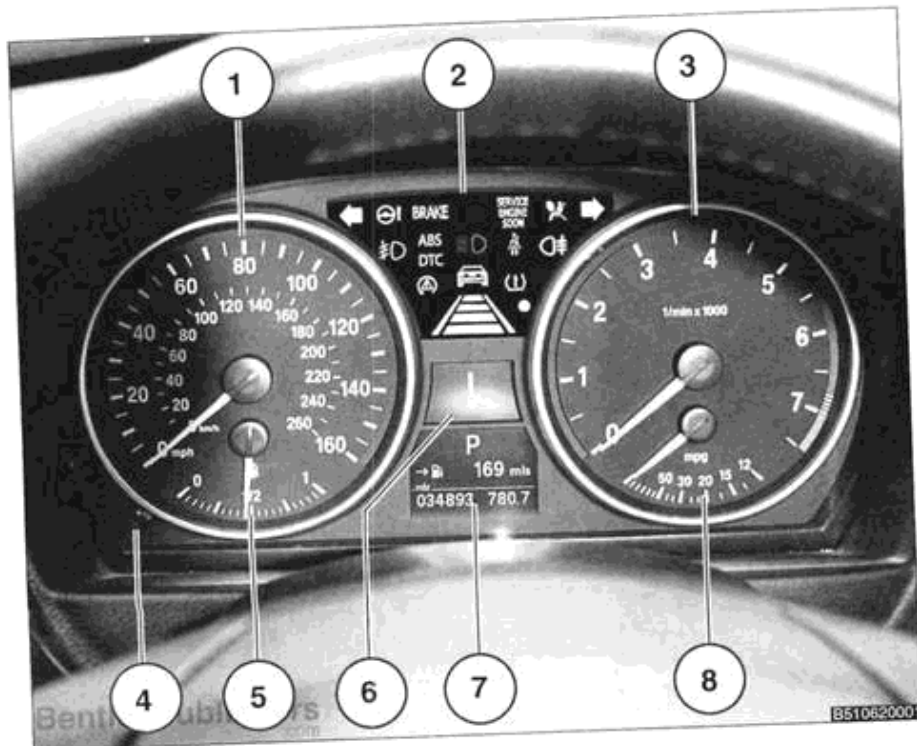
GENERAL

This repair group covers removal and installation of the instrument cluster. The cluster does not contain any replaceable components. If necessary, replace the entire unit.

See **020 Maintenance** for an explanation of condition based service (CBS) and Check Control, both of which use instrument cluster displays.

INSTRUMENT CLUSTER

Instrument cluster layout



1. Speedometer
2. Indicator and warning lights
3. Tachometer
4. Trip odometer reset button
5. Fuel gauge
6. Clock
Outside temperature
Check Control
Indicator and warning lights
7. Automatic transmission gear selected
On-board computer (BC)
Next scheduled service
Odometer
Trip odometer
Flat tire monitor (FTM) initialization
Engine oil level
Settings and information
8. Fuel mileage gauge

620-2 Instruments

Instrument cluster replacement

INSTRUMENT CLUSTER SERVICE

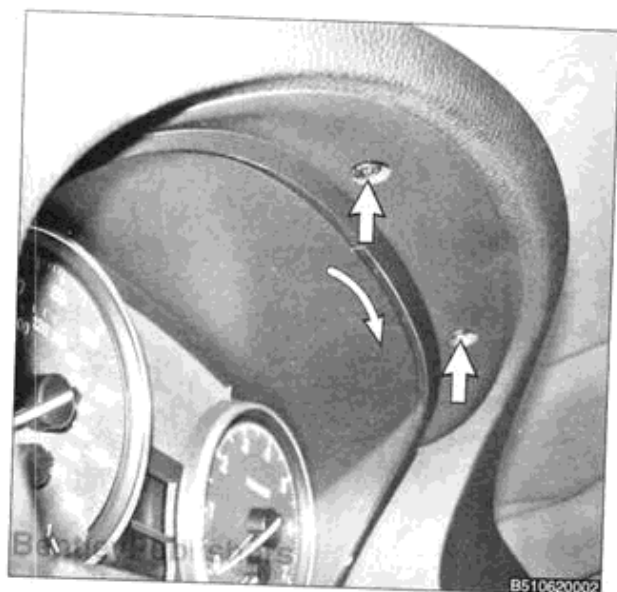
Instrument cluster replacement

If replacing the instrument cluster, keep in mind that vehicle odometer reading and other data is redundantly stored in the instrument cluster, light module (LM) and car access system (CAS) module.

If LM, CAS and the instrument cluster are replaced simultaneously, the odometer reading may be lost as a result.

Instrument cluster, removing and installing

- Extend steering column as far back and down as it will go.
- Remove instrument cluster fasteners (**arrows**). Tilt cluster backward (**curved arrow**) out of dashboard.
- Unlock and disconnect harness connectors from back of cluster. Slide cluster sideways to clear steering wheel.
- Installation is reverse of removal, noting the following:
 - Make sure instrument cluster harness connector locking levers are in fully unlocked position before installing connector.
 - Code replacement cluster using BMW scan tool.



Tightening torque

Instrument cluster to dashboard	1.5 Nm (8.5 in-lb)
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