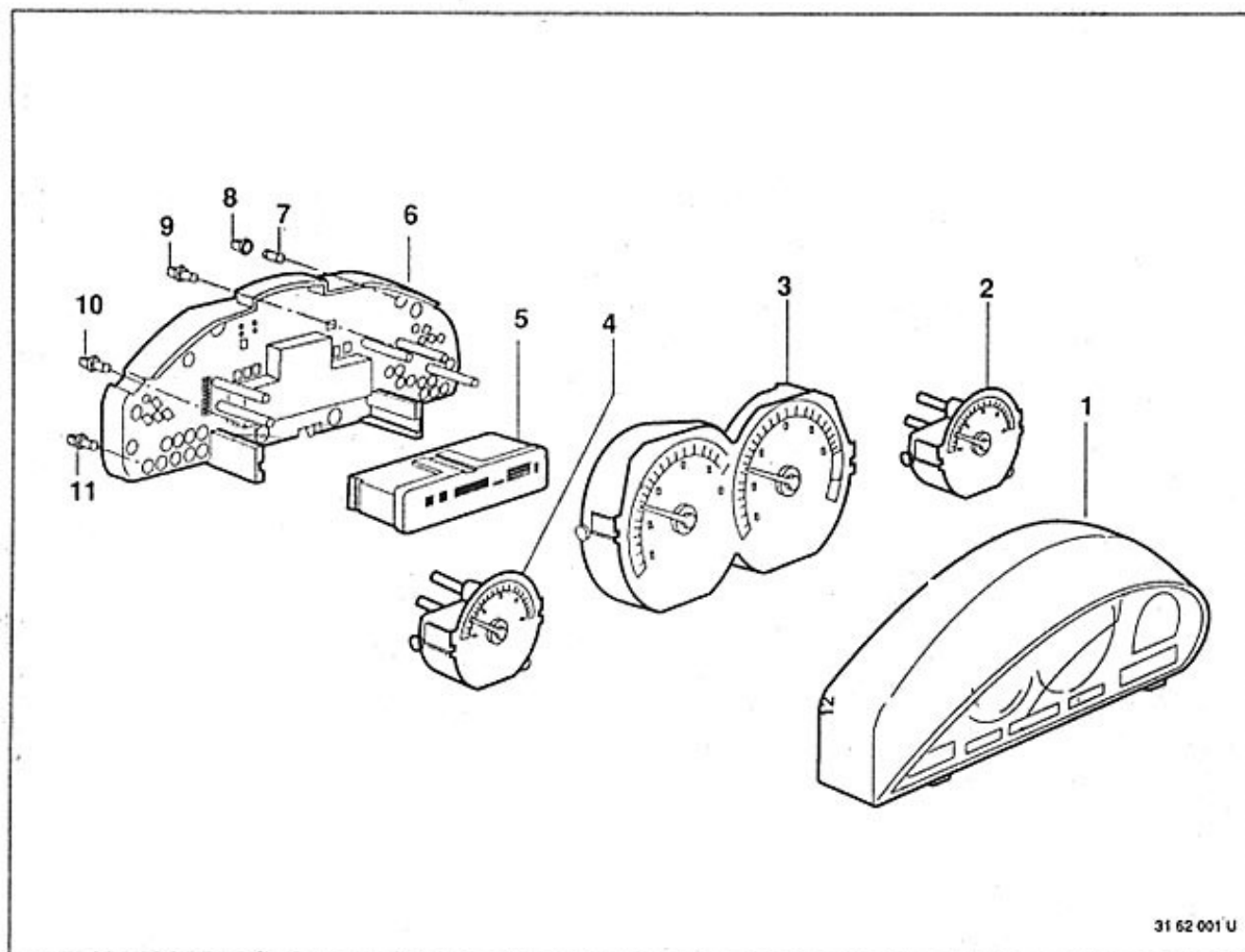


62 Instruments

	Layout of instrument cluster	62-11/1
62 11 080	LCD module – remove and install or replace	62-11/2
62 16 050	Sensor for remote thermometer – remove and install or replace	62-16/1
071	Sensor for speedometer display – remove and install or replace	62-16/1
62 21 000	Instrument carrier, complete unit – remove and install	62-21/1
. . .	Instrument carrier – dismantle	62-21/2
62 99 . . .	Lights in instrument cluster – replace	62-99/1

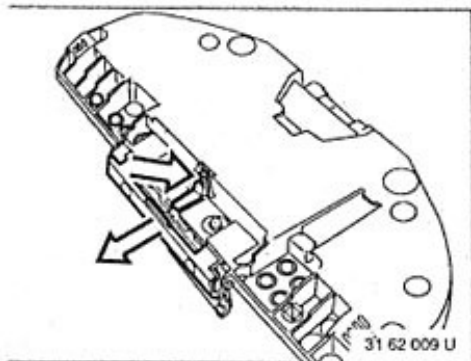
INSTRUMENT CLUSTER SURVEY



31 62 001 U

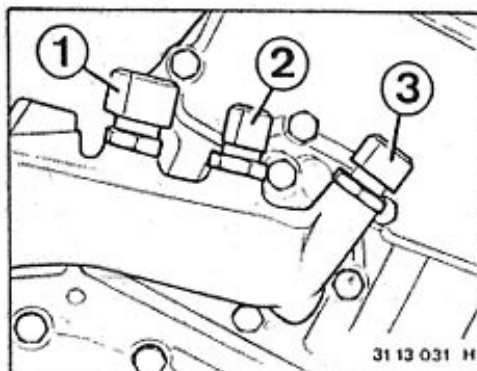
- 1 Instrument carrier
- 2 Temperature gage
- 3 Speedometer/tachometer
- 4 Fuel gage
- 5 LCD module
- 6 Base plate

- 7 Light bulb 12 V 3 W
- 8 Bulb holder
- 9 Light bulb for instrument light
- 10 Light bulb for LCD 12 V 1.5 W
- 11 Light bulbs for control lamps



**62 11 080 REMOVING AND INSTALLING
OR REPLACING LCD
MODULE**

**Push back retainer and pull out LCD
module.**



**62 16 050 REMOVING AND INSTALLING
OR REPLACING SENDER
FOR TEMPERATURE GAGE**

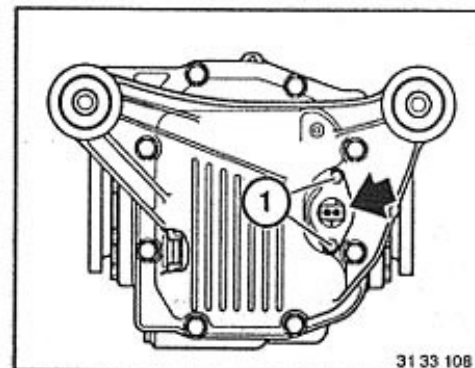
The temperature gage sender is located with two other temperature sensors behind the engine between the firewall and engine in a water pipe.

Note:

Temperature sensors are shown on a removed engine in the picture for better illustration.

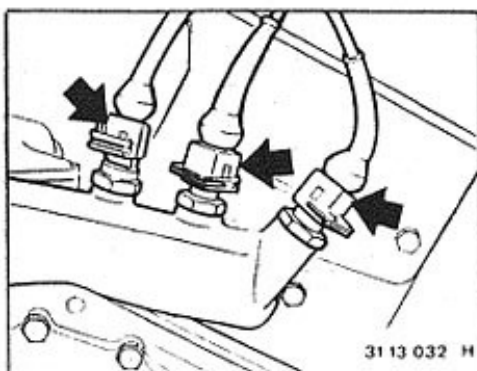
Arrangement:

- 1 Temperature sensor - DME
- 2 Temperature sensor - EML
- 3 Temperature sensor - temp. gage

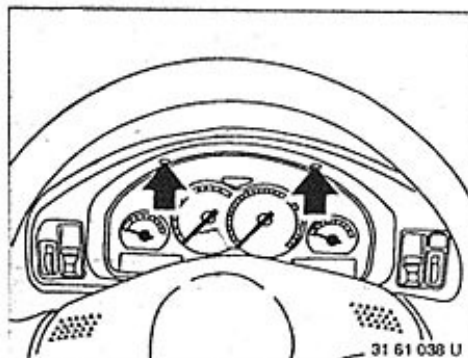


**62 16 071 REMOVING AND INSTALLING
OR REPLACING SENDER
FOR SPEEDOMETER**

Pull off plug.
Unscrew screws (1).
Pull out sender.

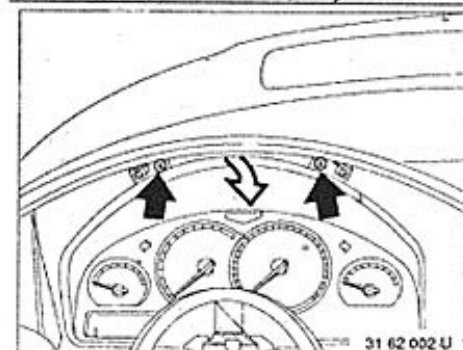


Pull off plug on temperature gage and unscrew sender.



62 21 000 REMOVING AND INSTALLING INSTRUMENT CARRIER

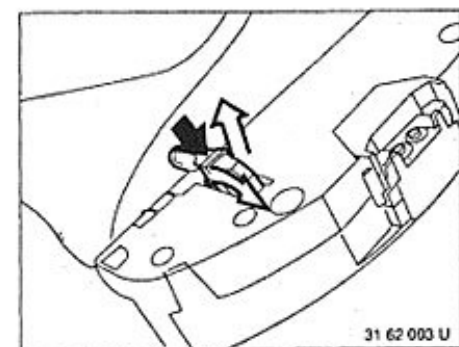
Remove steering wheel – see 32 33 000.
Unscrew screws and remove switch
frame – see Group 61.



Unscrew screws.
Pry out instrument cluster upward
slightly and pull forward up to the
steering column, then tilt forward
completely and remove.

Note:

Cover steering column with felt sheet
or foam rubber to avoid scratching the
glass of the instrument cluster.



Push lever on plug forward and then
pull off plug.

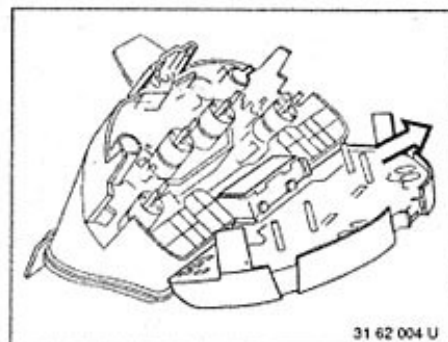
Installation:

Lever must be positioned forward when
inserting the plug.

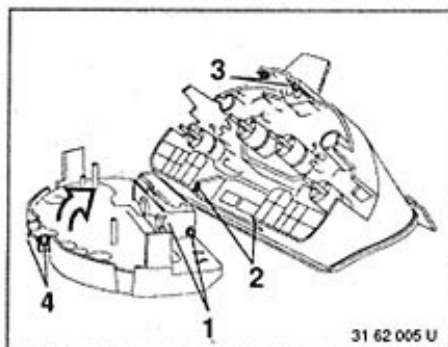
62 21 ... DISASSEMBLING INSTRUMENT CARRIER

Remove Instrument carrier – see 62 21 000.

Tilt up lock the full distance and pull back rear housing section.

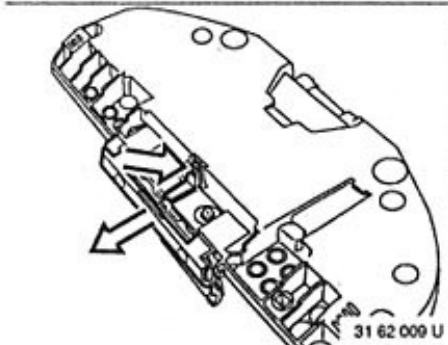


Tilt rear housing section the full distance and pull out.

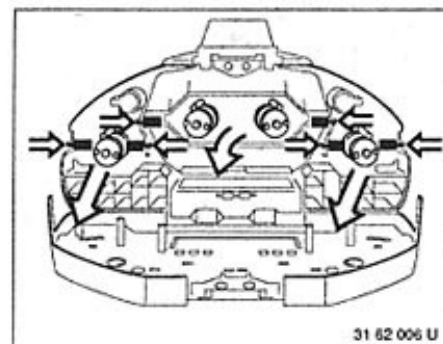


Installation:

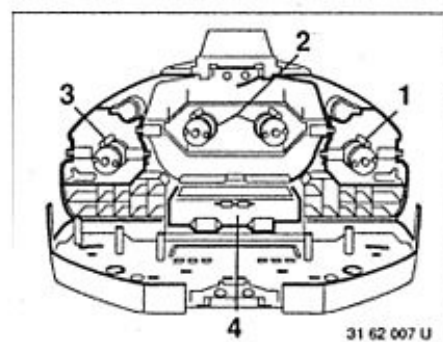
Guide pins (1) into grooves (2) and tilt the rear housing section in closed direction far enough that pins (3) engage in grooves (4). Then press lock.



Press lock in direction of arrow and pull out display.



Press in locks on left and right sides to replace an instrument and pull out the concerned instrument from above.



- 1 Fuel gage
- 2 Speedometer
- 3 Tachometer with economy control
- 4 Temperature gage
- 5 LCD module