

ACCESSORIES & EQUIPMENT

Instruments - Repair Instructions - X6

INSTRUMENT CLUSTER

62 11 280 REMOVING AND INSTALLING (REPLACING) INSTRUMENT CLUSTER

IMPORTANT: Read and comply with notes on protection against electrostatic damage (ESD protection , see 61 35 ... NOTES ON ESD PROTECTION (ELECTRO STATIC DISCHARGE)).

Extend steering wheel completely and lower.

Release screws (1). Tightening torque **62 11 1AZ** , see **62 11 INSTRUMENT CLUSTER** .

Pull instrument cluster (2) forwards a little.

Disconnect associated plug connection.

Remove instrument cluster (2).

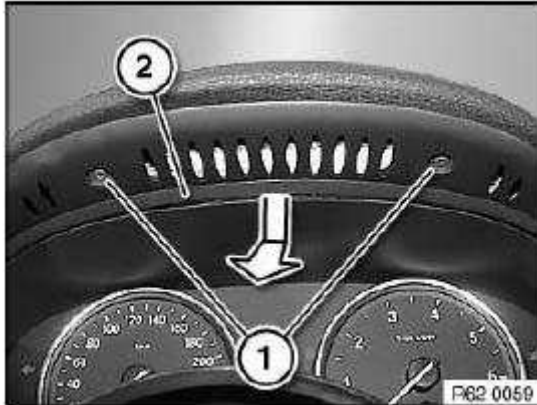


Fig. 1: Removing Instrument Cluster
Courtesy of BMW OF NORTH AMERICA, INC.

Replacement:

Carry out **vehicle programming/coding** .

Check values for Condition Based Service (CBS , see **61 00 ... DIAGNOSIS FOR CONDITION BASED SERVICE**) and correct if necessary.

HEAD-UP DISPLAY

62 30 005 REMOVING AND INSTALLING/REPLACING TRIM FOR HEAD-UP DISPLAY

Special tools required:

- 00 9 317 , see 00 9 317 TRIM PANEL WEDGE .

Lever trim for head-up display (1) with special tool 00 9 317 in direction of arrow out of instrument panel.

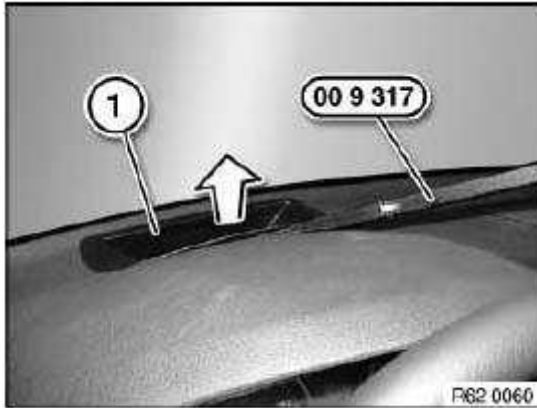


Fig. 2: Levering Trim Of Head-Up Display Using Special Tool 00 9 317
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Make sure retaining clips (1) are correctly seated on trim for head-up display.

Make sure trim for head-up display is correctly engaged on instrument panel.

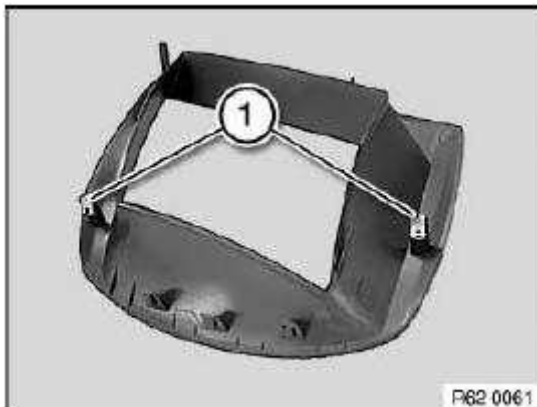


Fig. 3: Identifying Display Retaining Clips
Courtesy of BMW OF NORTH AMERICA, INC.

62 30 010 REMOVING AND INSTALLING/REPLACING HEADUP DISPLAY

IMPORTANT: Read and comply with notes on protection against electrostatic damage (ESD protection see 61 35 ... NOTES ON ESD PROTECTION (ELECTRO STATIC DISCHARGE)).

IMPORTANT: Comply with notes and instructions on handling optical waveguides , see 61 00 ... NOTES ON HANDLING OPTICAL FIBERS .

Risk of damage!

Do not scratch lens of head-up display.

Necessary preliminary tasks:

- Remove **instrument panel trim** , see 51 45 031 REPLACING INSTRUMENT PANEL TRIM .
- **E71:**

Remove **windscreen air duct** , see 64 22 ... REMOVING AND INSTALLING WINDSCREEN AIR DUCT .

Remove sound insulation (1) from head-up display.

Disconnect plug connection (2).

Release screws (3). Tightening torque **62 30 2AZ** , see 62 30 HEAD-UP DISPLAY .

Carefully feed out head-up display towards top.

Installation:

Clean lens of head-up display.

Adjust **head-up display** , see 62 30 517 Adjusting head-up display.

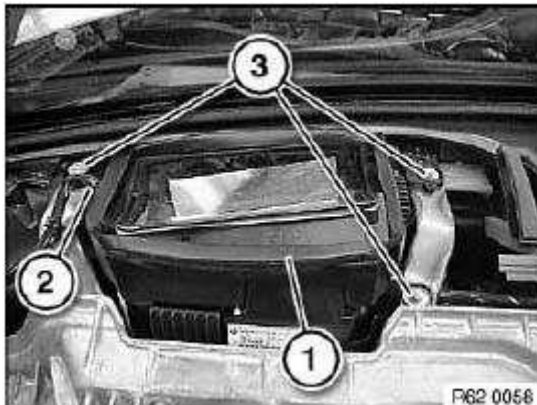


Fig. 4: Identifying Sound Insulation, Plug Connection And Screws
Courtesy of BMW OF NORTH AMERICA, INC.

Replacement:

Carry out **vehicle programming/coding** .

62 30 517 ADJUSTING HEAD-UP DISPLAY

Connect vehicle to BMW diagnosis system.

Select service function under following path:

- Service function
- Body
- Display and information functions
- Head-up display
- Adjusting head-up display

NOTE: **The geometric representation of the head-up display can be adjusted with the service function.**

ACCESSORIES & EQUIPMENT

Instruments - Service Techniques - X6

INSTRUMENTS

MODIFICATIONS TO "CONDITION BASED SERVICE" MAINTENANCE SYSTEM : BMW



Fig. 1: Identifying Condition Based Service
Courtesy of BMW OF NORTH AMERICA, INC.

Background:

- **Passenger compartment microfilter:** Link to a multiple of the oil service.
- **Spark plugs:** Link to a multiple of the oil service.
- **Diesel particulate filter:** Critical range covered by Check Control.
- **Exhaust emissions test:** Cancellation in all regions except V6 China (can also be controlled manually via DIS Tester).

For precise coupling, please refer to:

- China

- V1, V3 and V4 Canada
- V4 USA

Date of introduction

- Displays for interior microfilter, spark plugs and emissions test discontinued (revised encoding).

VEHICLE INTRODUCTION CHART

Vehicle projects	Deadline
E87	03/07
E81	03/07
E90/91/92	03/07
E93	12/06
E70	10/06
E60/E61	03/07

- **Diesel particulate filter** display discontinued (link to diesel engine applications)

VEHICLE INTRODUCTION CHART

Vehicle projects	Deadline
E87/E81 N47 OL+UL	03/07
E90/E91 M57 TU2 UL	09/06
E90/E91/E92 M57 TU2 Top	09/06
E92 N47	03/07
E92 M57 TU2 UL	03/07
E92 M57 TU2 OL Standard+All-wheel drive	09/06
E93 M57 TU2 OL	03/07
E70 M57 TU2	12/06
E60/E61 M57 TU2 OL	03/07
E60/E61 M57 TU2 OL All-wheel drive	03/07
E60/E61 M57 TU2 UL	03/07
E60/E61 M57 TU2 Top	03/07

ACCESSORIES & EQUIPMENT

Instruments - Technical Data

HEAD-UP DISPLAY

66 53 REVERSING CAMERA (RFK) E71

TECHNICAL DATA - REVERSING CAMERA (RFK) E71

Distance Rev. camera to centre of vehicle	mm	217.5
Adjustment Longitudinal rod (A)	Hole	8
Transverse rod (B) (Beissbarth and Hunter rapid clamping holder)	mm	100
Transverse rod (B) (CORGHI rapid clamping holder)	mm	5