

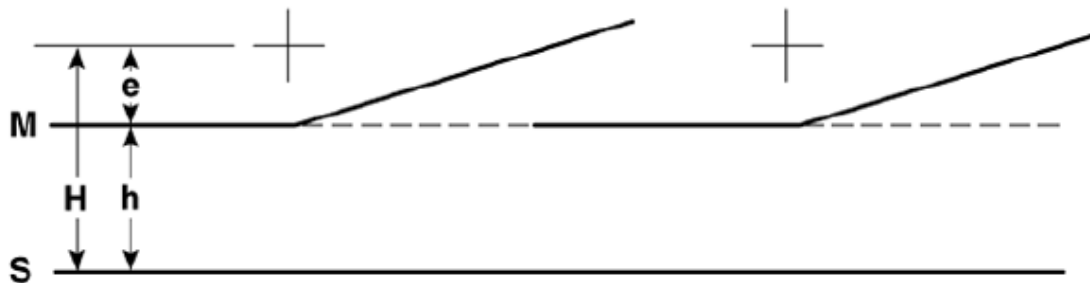
2007-08 ACCESSORIES & EQUIPMENT

Lights - Repair Instructions - X5

10 LAMP SETTINGS

63 10 ... TEST REQUIREMENTS FOR HEADLIGHT VERTICAL AIM ADJUSTMENT

- Car parked on level ground.
- Replace faulty glass and mirrors and blackened light bulbs.
- Check tire pressure and correct if necessary.
- Apply load equivalent to one person on driver's seat (approx. 75 kg).
- Vehicle with full fuel tank or appropriate additional weight in luggage compartment.
- Correct adjustment of headlights in relation to engine hood (gap dimensions).
- Manual headlight vertical aim control: Turn handwheel to 0 position.
- Automatic headlight vertical aim control: Wait approx. 30 seconds after switching on lights.
- Version with xenon headlights: Wait 80 seconds after switching on lights. During this time, do not move the vehicle and avoid vibrations.
- Align headlight aimer with vehicle longitudinal axis and parallel to parking surface. Set marking line (M) on aimer to distance (e). Scale graduations on aimer are equal to a gradient in cm at a distance of 10 meters.



30 63 067

Fig. 1: Identifying Headlights Height Dimension
 Courtesy of BMW OF NORTH AMERICA, INC.

e Adjustment dimension, headlights:

- o as per type plate on headlight housing in % (e.g.: 1.0 % = 10 cm / 10 m = 10 on headlight aimer).

Adjustment dimension, fog lights:

- o all vehicles 2.0 % = 20 cm / 10 m = 20 on headlight aimer.

H Height of center of headlight above parking surface.

h H - e = height of marking line above parking surface

+ Central mark = center point of high-beam headlight.

M Marking line of headlamp aimer

S Parking surface of vehicle and headlight aimer

Adjustment dimension (e) is only valid for EUR. Observe differing national regulations.

63 10 004 ADJUSTING HEADLIGHTS

NOTE: Comply with test preconditions for headlight adjustment. See 63 10 ... Test Requirements for Headlight Vertical Aim Adjustment

Adjust headlights at adjusting screws (1) and (2).

A definite allocation of adjusting screws is not possible.

1. Adjustment screw primarily for vertical adjustment
2. Adjustment screw primarily for lateral adjustment

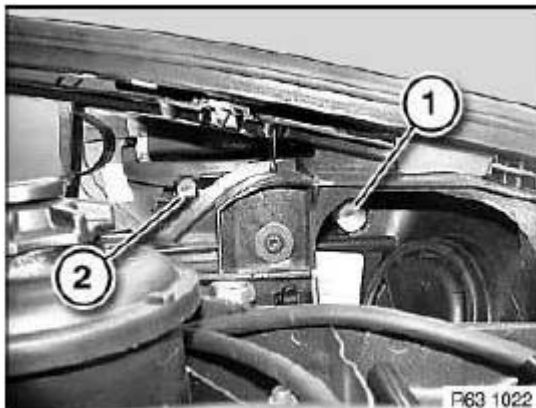


Fig. 2: Identifying Headlights Adjusting Screws
Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Comply with test preconditions for headlight adjustment. See 63 10 ... Test Requirements for Headlight Vertical Aim Adjustment

Carry out height adjustment of fog lamp (1) at adjusting screw (2).

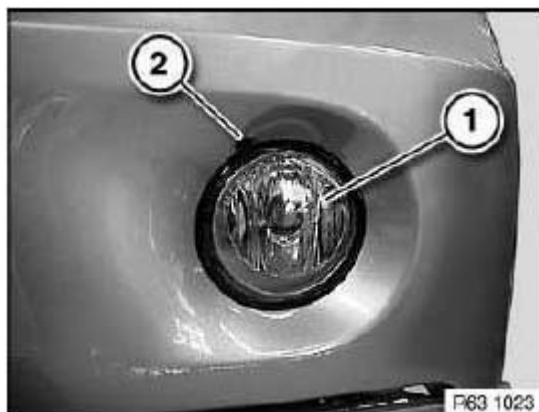


Fig. 3: Identifying Fog Lamp And Adjusting Screw
Courtesy of BMW OF NORTH AMERICA, INC.

12 HEADLIGHTS

63 12 001 REMOVING AND INSTALLING/REPLACING LEFT HEADLIGHT

Operation is described in:

Removing and installing/replacing left headlight (adaptive headlight). See 63 12 015 Removing and Installing or Replacing Left Headlight (Adaptive Headlight)

63 12 002 REMOVING AND INSTALLING/REPLACING RIGHT HEADLIGHT

Operation is described in:

Removing and installing left headlight. See 63 12 015 Removing and Installing or Replacing Left Headlight (Adaptive Headlight)

63 12 010 REMOVING AND INSTALLING OR REPLACING LEFT HEADLIGHT (XENON HEADLIGHT)

Operation is described in:

Removing and installing/replacing left headlight (adaptive headlight). See 63 12 015 Removing and Installing or Replacing Left Headlight (Adaptive Headlight)

63 12 012 REMOVING AND INSTALLING RIGHT HEADLIGHT (XENON HEADLIGHT)

Operation is described in:

Removing and installing left headlight. See **63 12 015 Removing and Installing or Replacing Left Headlight (Adaptive Headlight)**

63 12 015 REMOVING AND INSTALLING OR REPLACING LEFT HEADLIGHT (ADAPTIVE HEADLIGHT)

WARNING: Follow instructions for handling light bulbs (exterior lights). See **63 99 ... Instructions for Handling Light Bulbs (Exterior Lights)**

Necessary preliminary tasks:

- Remove front wheel arch cover front section. See **51 71 038 REMOVING AND INSTALLING/REPLACING FRONT LEFT OR RIGHT WHEEL ARCH COVER (FRONT SECTION)**

N62 left side only:

- Release engine oil cooler.

Release bolts (1).

Disconnect plug connection (2).

Unclip wiring harness (3).

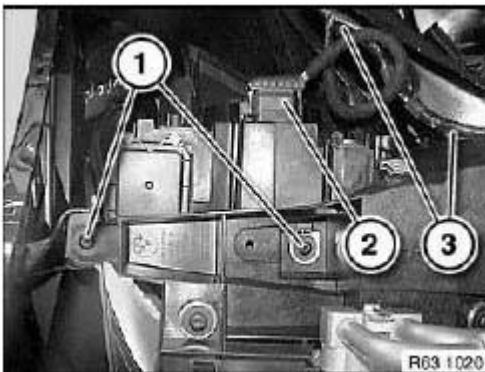


Fig. 4: Identifying Plug Connection, Wiring Harness And Bolts
Courtesy of BMW OF NORTH AMERICA, INC.

Release bolts (1).

Press side panel (2) outwards slightly and feed out headlight towards rear.

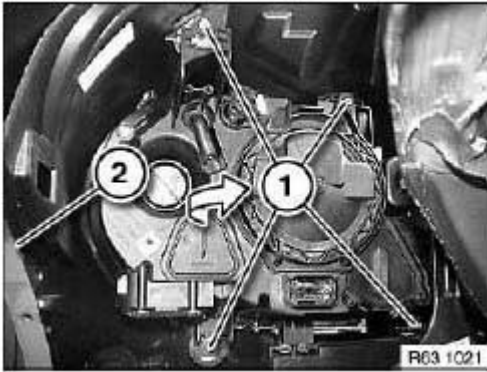


Fig. 5: Pressing Side Panel

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

- Adjust. See **41 0 000 PUNCH NUMBERS/LETTERS/SPECIAL CHARACTERS** headlight to body by way of knurled screws (1)
- If necessary, remove headlight to improve access to knurled screws (1)
- Adjust headlight. See **63 10 004 Adjusting Headlights**

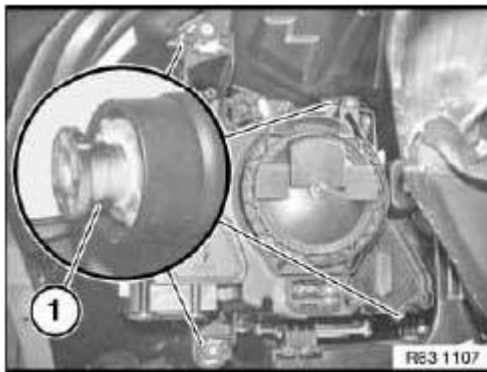


Fig. 6: Identifying Knurled Screws

Courtesy of BMW OF NORTH AMERICA, INC.

Replacement:

- Remove ignition unit with bulb for xenon headlight. See **63 12 870 Replacing Ignition Unit For Left Xenon Headlight (With Xenon Bulb)**
- Remove control unit for xenon headlights. See **63 12 860 Replacing Control Unit For Left Xenon Headlight**
- Remove drive unit for adaptive headlight. See **63 12 895 Replacing Drive/Electronics Box For Left Adaptive Headlight**
- If necessary, remove bulbs. See **63 99 076 Replacing Bulb For Left (or Right) Xenon Headlight (with Ignition Unit)** & **63 99 273 Replacing Bulb for Left (Or Right) Front Turn Indicator**

63 12 017 REMOVING AND INSTALLING/REPLACING RIGHT HEADLIGHT (ADAPTIVE HEADLIGHT)

Operation is described in:

Removing and installing left headlight. See **12 Headlights**

63 12 017 REPLACING DRIVE/ELECTRONICS BOX FOR RIGHT ADAPTIVE HEADLIGHT

Operation is described in:

Replacing drive/electronics box for left adaptive headlight. See **63 12 895 Replacing Drive/Electronics Box For Left Adaptive Headlight**

63 12 860 REPLACING CONTROL UNIT FOR LEFT XENON HEADLIGHT

WARNING: Version with xenon headlights: Danger to life due to high voltage! Therefore, before removing, disconnect all components from the power supply (lighting system and ignition off). Work on the entire xenon lighting system (control unit, ignition unit with bulb) may only be carried out by specialist personnel.

Necessary preliminary tasks:

- Remove left headlight. See **63 12 015 Removing and Installing or Replacing Left Headlight (Adaptive Headlight)**

Release screws (1).

Lift control unit (2) off headlight.

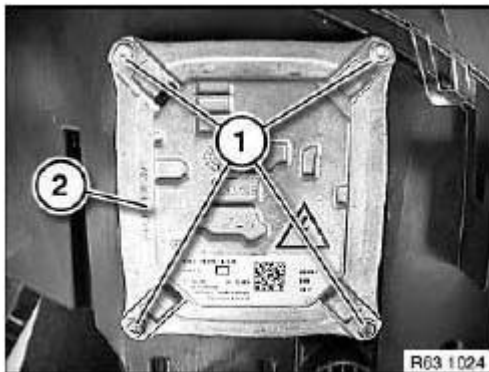


Fig. 7: Identifying Headlight Control Unit
Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1).

Remove control unit (2).

Installation:

Make sure sealing sleeve (3) is correctly seated.

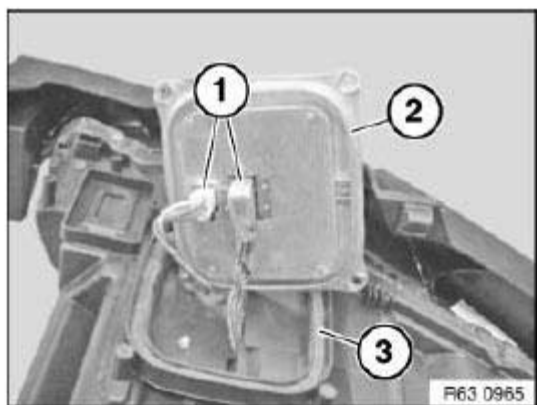


Fig. 8: Identifying Plug Connection, Control Unit With Sealing Sleeve
Courtesy of BMW OF NORTH AMERICA, INC.

63 12 861 REPLACING CONTROL UNIT FOR RIGHT XENON HEADLIGHT

Operation is described in:

Replacing control unit for left xenon headlight. See **63 12 860 Replacing Control Unit For Left Xenon Headlight**

63 12 870 REPLACING IGNITION UNIT FOR LEFT XENON HEADLIGHT (WITH XENON BULB)

WARNING: Version with xenon headlights: Danger to life due to high voltage!
Therefore, before removing, disconnect all components from the power supply (lighting system and ignition off).
Work on the entire xenon lighting system (control unit, ignition unit with bulb) may only be carried out by specialist personnel.

IMPORTANT: Ignition unit and xenon bulb are viewed as a single component and must not be separated!

Unlock retaining tab (1) and remove cover (2) from headlight.

Installation:

Make sure cover (2) is correctly seated on headlight.

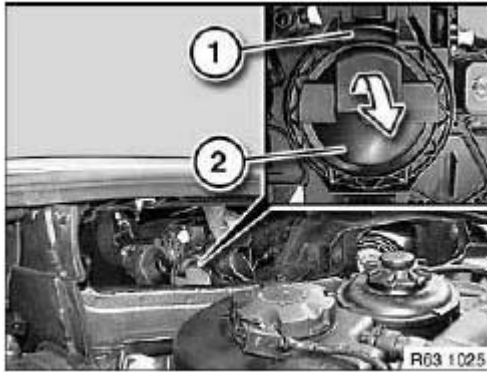


Fig. 9: Removing Cover From Headlight

Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1).

Unlock spring wire clips (2).

Remove ignition unit for xenon headlight (3) from headlight.

Installation:

Make sure ignition unit (3) is exactly seated in headlight.

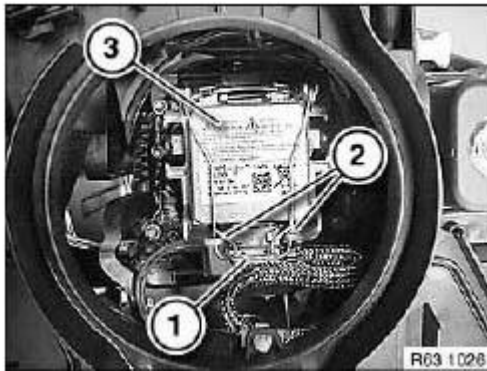


Fig. 10: Identifying Plug Connection And Wire Clips With Ignition Unit

Courtesy of BMW OF NORTH AMERICA, INC.

63 12 871 REPLACING RIGHT IGNITION UNIT FOR RIGHT XENON HEADLIGHT

Operation is described in:

Replacing ignition unit for left xenon headlight. See **63 12 870 Replacing Ignition Unit For Left Xenon Headlight (With Xenon Bulb)**

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

WARNING: Version with xenon headlights: Danger to life due to high voltage!
Therefore disconnect all components from voltage supply before removal.
Work on the entire xenon lighting system (ignition unit, control unit and lamp) may only be carried out by specialist personnel.

Necessary preliminary tasks:

- Remove wheel arch cover front section at front. See 51 71 038 REMOVING AND INSTALLING/REPLACING FRONT LEFT OR RIGHT WHEEL ARCH COVER (FRONT SECTION)

Release screws (1).

Remove drive for adaptive headlight (2) from headlight.

Installation:

Fit drive for adaptive headlight (2) exactly on headlight.

Make sure pin housing (2) is correctly seated in plug housing (3).

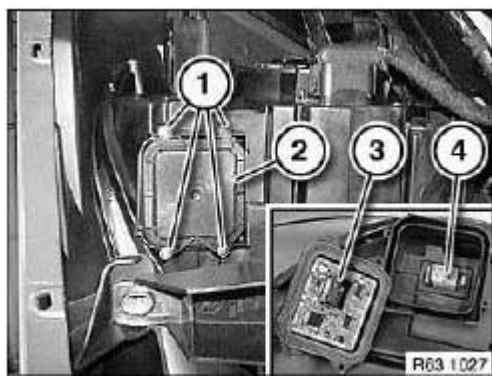


Fig. 11: Identifying Pin Housing, Plug Housing And Adaptive Headlight
Courtesy of BMW OF NORTH AMERICA, INC.

Carry out coding/programming. See CODING & PROGRAMMING

63 17 075 REMOVING AND INSTALLING/REPLACING RIGHT FRONT FOG LAMP

Operation is described in:

Fog Lamp**63 99 145 REPLACING BULB FOR LEFT (OR RIGHT) PARKING LIGHT (XENON HEADLIGHT)**

WARNING: Follow instructions for handling light bulbs (exterior lights). See **63 99 ... Instructions for Handling Light Bulbs (Exterior Lights)**

Turn cover (1) in direction of arrow and remove from headlight.

Installation:

Make sure cover (1) is correctly seated on headlight.

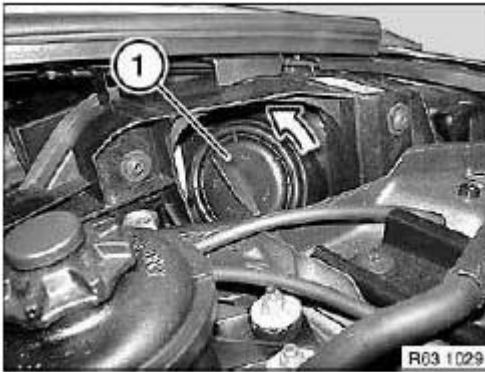


Fig. 12: Turning Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1).

Turn bulb (2) in direction of arrow and remove from headlight.

Installation:

- Make sure bulb (1) is exactly seated in headlight.
- Note bulb type. See **63 21 REAR LIGHT UNIT E70**

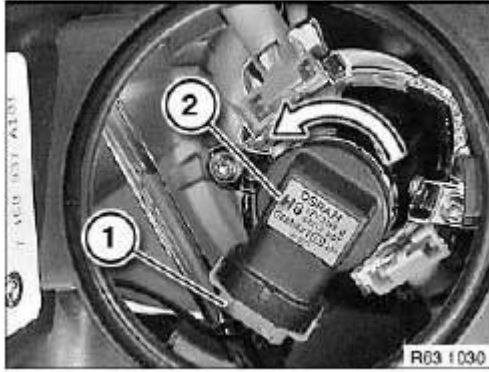


Fig. 13: Turning Bulb

Courtesy of BMW OF NORTH AMERICA, INC.

67 16 016 REMOVING AND INSTALLING/REPLACING RIGHT HEADLIGHT VERTICAL AIM ADJUSTER

Operation is described in Removing and installing/replacing left headlight vertical aim adjuster. See **67 16 011 REMOVING AND INSTALLING/REPLACING LEFT HEADLIGHT VERTICAL AIM ADJUSTER**

13 TURN SIGNAL INDICATOR

63 13 200 REMOVING AND INSTALLING/REPLACING FRONT LEFT OR RIGHT AUXILIARY DIRECTION INDICATOR

Special tools required:

- 00 9 340. See **DISASSEMBLY AID (2)**

WARNING: Follow instructions for handling light bulbs (exterior lights). See **63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)**.

Fold out auxiliary direction indicator (1) with special tool. See **00 9 340 DISASSEMBLY AID (2)** in direction of arrow.

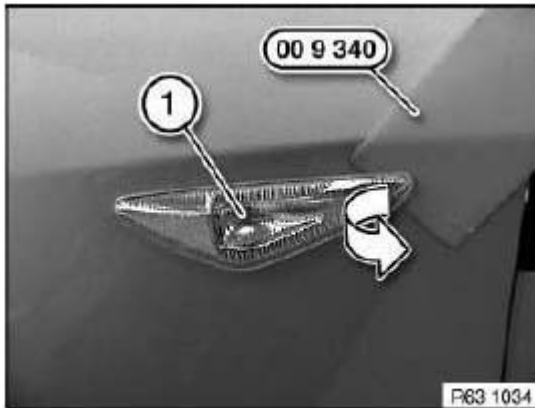


Fig. 14: Identifying Special Tool (00 9 340)

Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1).

Remove auxiliary direction indicator (2).

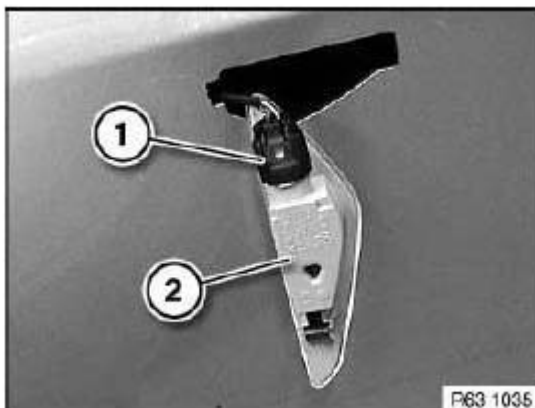


Fig. 15: Identifying Auxiliary Direction Indicator With Plug Connection

Courtesy of BMW OF NORTH AMERICA, INC.

14 CLEARANCE AND SIDE

63 14 060 REMOVING AND INSTALLING/REPLACING FRONT LEFT OR RIGHT SIDE MARKER

Special tools required:

- 00 9 323. See **ASSEMBLY WEDGES (SET IN PLASTIC CASE)**

Necessary preliminary tasks:

- Remove front wheel arch cover front section. See **51 11 038 REMOVING AND INSTALLING/REPLACING FRONT LEFT OR RIGHT WHEEL ARCH COVER (FRONT**

SECTION)

NOTE: Minimum object temperature of side marker and side panel $> \text{or} = 18^{\circ}\text{C}$.
If this temperature is not achieved, the components must be preheated.

Removing side marker:

Carefully heat side marker (1) in area (A) with hot air blower and detach with special tool. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)** from side panel (2).

NOTE: Side marker (1) cannot be reused.

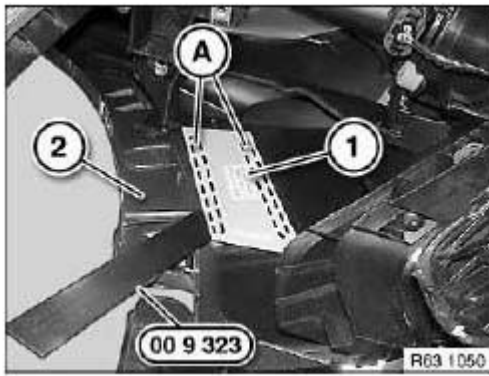


Fig. 16: Identifying Heat Side Marker In Area
Courtesy of BMW OF NORTH AMERICA, INC.

Cleaning side panel:

For cleaning, use a fluff-free disposable cloth or a clean cleaning cloth.

Clean adhesive area of side panel with spirit.

Air drying time at least 1 minute.

Do not grip bonding surface.

Fitting side marker:

Pull off liner* (1) and gently press side marker (2) onto side panel.

Check position and if necessary realign.

Minimum application pressure is achieved by applying firm thumb pressure in stages over the entire joining surface (hold time approx. 1 second).

Firm thumb pressure approx. 35 N/cm².

* Liner is the protective film on a new side marker.

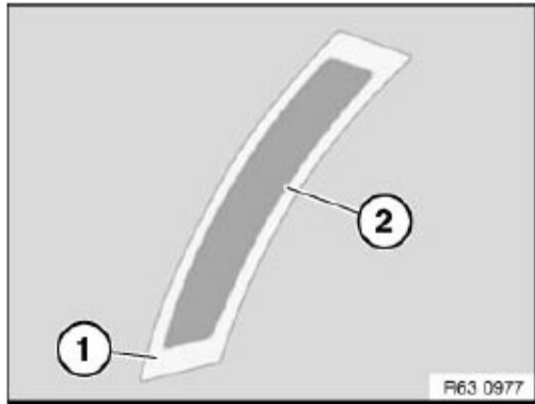


Fig. 17: Identifying Side Marker And Liner
Courtesy of BMW OF NORTH AMERICA, INC.

63 14 120 REMOVING AND INSTALLING/REPLACING REAR REFLECTOR

Special tools required:

- 00 9 317. See ASSEMBLY WEDGES (SET IN PLASTIC CASE)
- 00 9 323. See ASSEMBLY WEDGES (SET IN PLASTIC CASE)

Unclip rear reflector (1) with special tool 00 9 323. See ASSEMBLY WEDGES (SET IN PLASTIC CASE) on right side and press inwards with special tool 00 9 317. See ASSEMBLY WEDGES (SET IN PLASTIC CASE).

Remove rear reflector (1) towards rear from rear bumper trim.

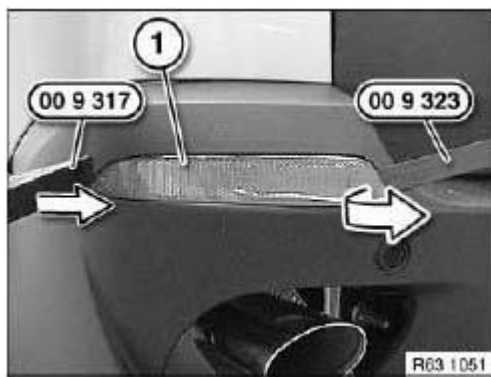


Fig. 18: Removing Rear Reflector
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Catches (1) on rear reflector must not be damaged.

If necessary, replace faulty retainer (2).

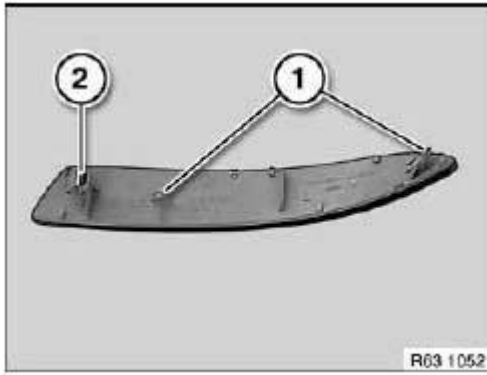


Fig. 19: Identifying Faulty Retainer And Catches
Courtesy of BMW OF NORTH AMERICA, INC.

17 FOG LIGHTS, AUXILIARY

63 17 070 REMOVING AND INSTALLING/REPLACING LEFT FRONT FOG LAMP

Necessary preliminary tasks:

- Remove left grille in bumper trim. See **51 11 185 REMOVING AND INSTALLING/REPLACING GRILLE (SIDE) IN BUMPER TRIM**

Grasp grille through opening.

Disconnect plug connection (1).

Release screws (2).

Slide fog light (3) slightly towards center of vehicle and remove towards rear.

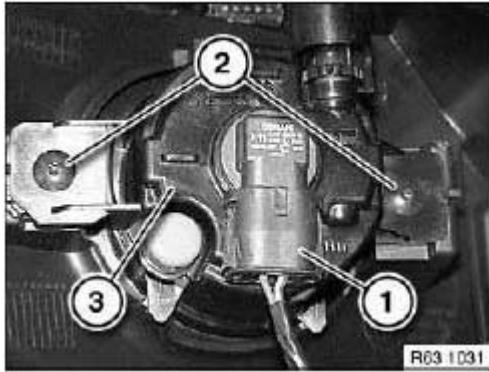


Fig. 20: Identifying Plug Connection, Fog Light With Screws
 Courtesy of BMW OF NORTH AMERICA, INC.

Replacement:

- If necessary, remove bulb. See **63 99 201 Replacing Halogen Bulb for Left or Right Front Fog Lamp**.
- Adjust fog lamps. See **63 10 014 Adjusting Fog Lamps**

63 17 075 REMOVING AND INSTALLING/REPLACING RIGHT FRONT FOG LAMP

Operation is described in:

Removing and installing left front fog lamp. See **63 17 070 Removing and Installing/Replacing Left Front Fog Lamp**

21 REAR LIGHT CLUSTER

63 21 055 REPLACING SOCKET HOUSING FOR LEFT OR RIGHT REAR LIGHT

WARNING: Follow instructions for handling light bulbs (exterior lights). See **63 99 ... Instructions for Handling Light Bulbs (Exterior Lights)**.

Rear light in side panel:

Remove flap in luggage compartment trim panel. See **51 47 172 REMOVING AND INSTALLING/REPLACING FLAP IN LUGGAGE COMPARTMENT TRIM, LEFT OR RIGHT**.

Turn socket housing and pull out of rear light.

NOTE:

1. Bulb, adaptive brake light
2. Bulb, reversing light
3. Bulb, brake light
4. Bulb, turn indicator light

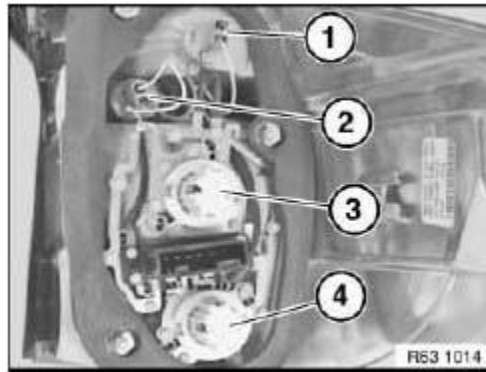


Fig. 21: Identifying Adaptive Brake Light, Reversing Light, Brake Light And Indicator Light

Courtesy of BMW OF NORTH AMERICA, INC.

Rear light in rear lid:

Remove luggage compartment light.

NOTE: For purposes of clarity, rear lid trim panel is shown removed.

Turn socket housing and pull out of rear light.

NOTE: 1. Bulb, rear fog light and adaptive brake light

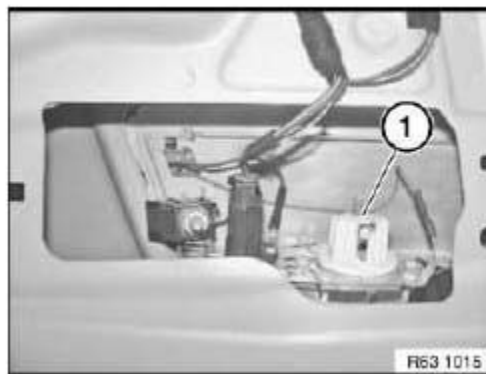


Fig. 22: Identifying Rear Fog Light

Courtesy of BMW OF NORTH AMERICA, INC.

Rear light in rear lid:

Turn bulb (1) and pull out of socket housing (3).

Pull bulb (2) out of socket housing (3).

Installation:

Note type of bulb. See **63 21 REAR LIGHT UNIT E70** .

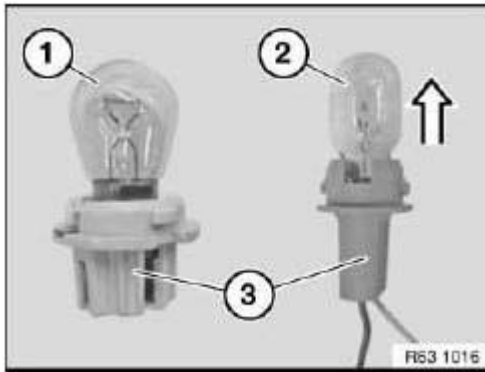


Fig. 23: Pulling Bulb Out Of Socket Housing
Courtesy of BMW OF NORTH AMERICA, INC.

63 21 101 REPLACING SEALING FRAME FOR LEFT OR RIGHT REAR LIGHT (ON SIDE PANEL)

Necessary preliminary tasks:

- Remove rear light. See **63 21 180 Removing and Installing/Replacing Left Or Right Rear Light (In Side Panel)**

Detach seal for rear light (1) completely from rear light (2). Clean bonding surface and allow to dry.

Installation:

Make sure seal (1) is correctly bonded all round on rear light (2).

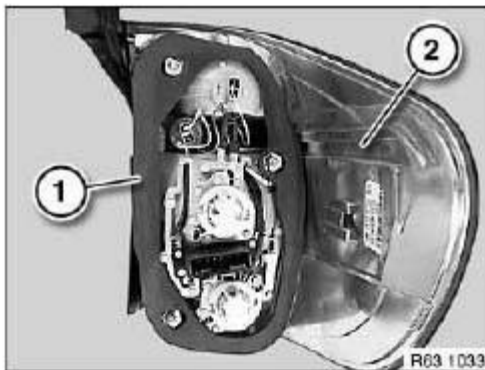


Fig. 24: Detaching Seal For Rear Light
Courtesy of BMW OF NORTH AMERICA, INC.

PANEL)

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

Necessary preliminary tasks:

- Remove flap in luggage compartment panel. See 51 47 172 REMOVING AND INSTALLING/REPLACING FLAP IN LUGGAGE COMPARTMENT TRIM, LEFT OR RIGHT
- Remove warning triangle

Disconnect plug connection (1).

Unscrew nuts (2).

Tightening torque 63 21 1AZ. See REAR LIGHT UNIT .

Remove rear light (3) in outwards direction from side panel.

Installation:

Make sure gap is uniform all round between rear light (3) and side panel.

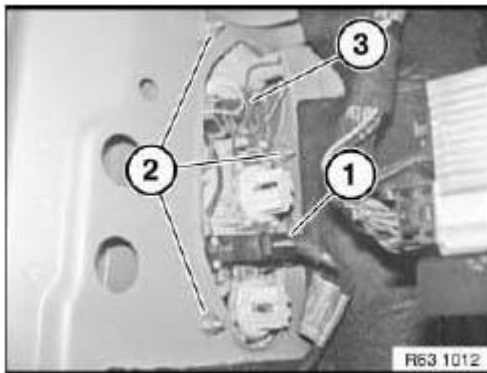


Fig. 25: Identifying Plug Connection And Rear Light With Nut
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Make sure seal (1) is correctly seated on rear light (2).

Make sure guide (3) is correctly seated on side panel.

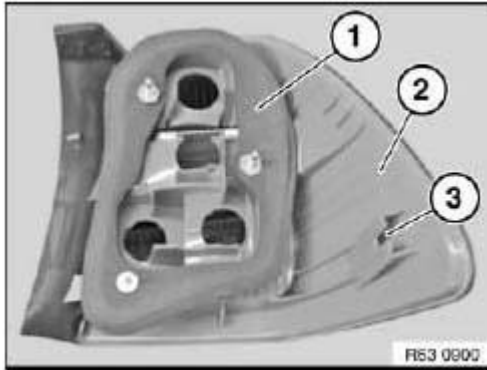


Fig. 26: Identifying Sure Seal, Sure Guide And Rear Light
 Courtesy of BMW OF NORTH AMERICA, INC.

Replacement:

If necessary, remove bulbs. See **63 99 ... Instructions for Handling Light Bulbs (Exterior Lights)**.

63 21 183 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT TAIL LIGHT (ON REAR LID)

Special tools required:

- 00 9 318. See **ASSEMBLY WEDGES (SET IN PLASTIC CASE)**

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

Necessary preliminary tasks:

- Remove luggage compartment light. See **63 31 080 Removing and Installing/Replacing Luggage Compartment Light**

NOTE: For purposes of clarity, rear lid trim panel is shown removed.

Disconnect plug connection (1).

Release nut (2) and remove with retaining bar (3).

Tightening torque 63 21 3AZ. See **REAR LIGHT UNIT E70** .

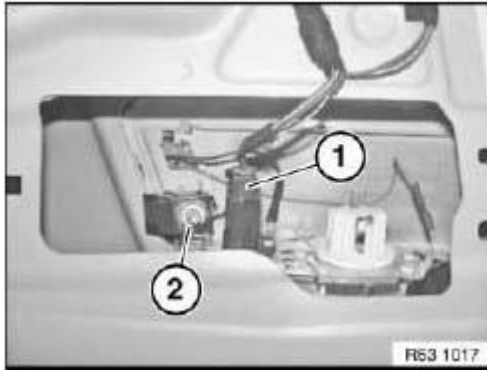


Fig. 27: Identifying Plug Connection With Nut
Courtesy of BMW OF NORTH AMERICA, INC.

IMPORTANT: Risk of damage!
Tape off rear lid with suitable protective film (1).

Lever off rear light with special tool. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)** in direction of arrow.

Installation:

Clean bonding surface and allow to dry.

Make sure gap is uniform all round between rear light (2) and rear lid.

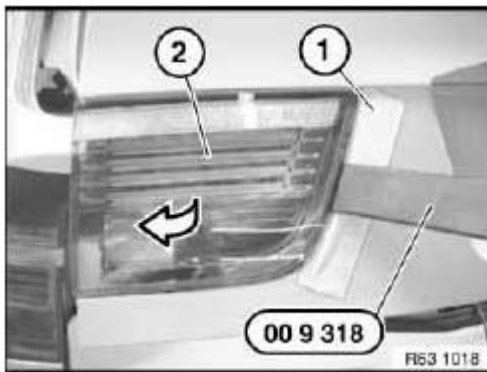


Fig. 28: Identifying Protective Film And Rear Light
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Position lugs (1) of rear light exactly over side edge of rear lid.

In case of replacement or partial detachments, lay butylene tape (2) (sourcing reference: BMW Parts Service) depending on the conditions on rear light again.

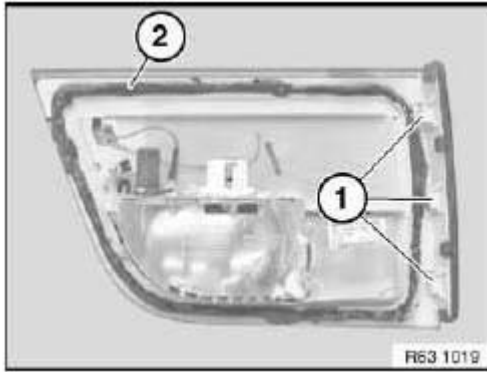


Fig. 29: Identifying Lugs Position With Butylene Tape
Courtesy of BMW OF NORTH AMERICA, INC.

Replacement:

If necessary, remove bulbs. See **63 99 315 Replacing Light Bulb(s) for Left or Right Rear Light**.

25 BRAKE LIGHTS

63 25 000 REMOVING AND INSTALLING/REPLACING AUXILIARY BRAKE LIGHT

Necessary preliminary tasks:

- Remove rear spoiler. See **51 71 412 REMOVING AND INSTALLING/REPLACING REAR SPOILER**

Release screws (1).

Lift auxiliary brake light (2) in direction of arrow from rear spoiler.

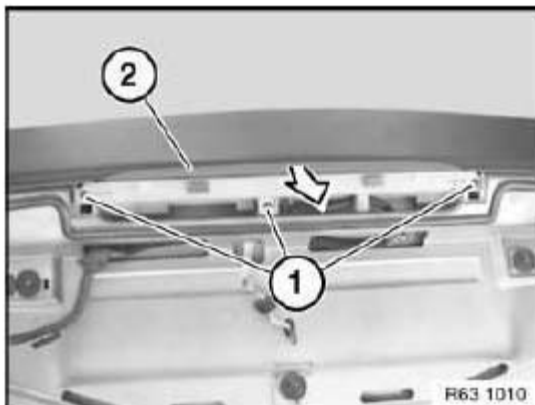


Fig. 30: Lifting Auxiliary Brake Light
Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1).

Unclip spray nozzle (2) from auxiliary brake light (3).

Remove auxiliary brake light (2).

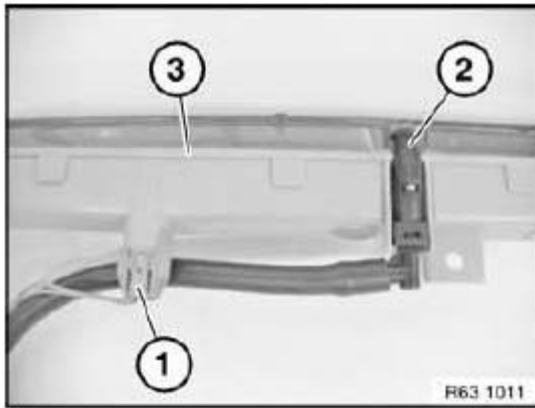


Fig. 31: Identifying Auxiliary Brake Light And Plug Connection

Courtesy of BMW OF NORTH AMERICA, INC.

26 LICENSE PLATE LIGHTS

63 26 000 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT NUMBER/LICENSE PLATE LIGHT

Special tools required:

- 64 1 020. See **RELEASE HOOK**

WARNING: Follow instructions for handling light bulbs (exterior lights). See **63 99 ... Instructions for Handling Light Bulbs (Exterior Lights).**

Lever license plate light (1) with special tool. See **64 1 020 RELEASE HOOK** out of rear bumper trim (2).

Unlock plug connection underneath and disconnect.

Remove license plate light (1).

Replacement:

- If necessary, remove bulb. See **63 99 401 Replacing Bulb for Left or Right License Plate Light.**
- Note bulb type. See **63 26 LICENSE PLATE LIGHTS E70**

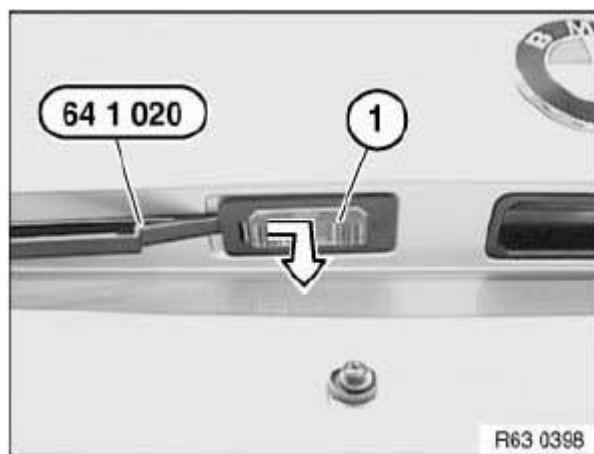
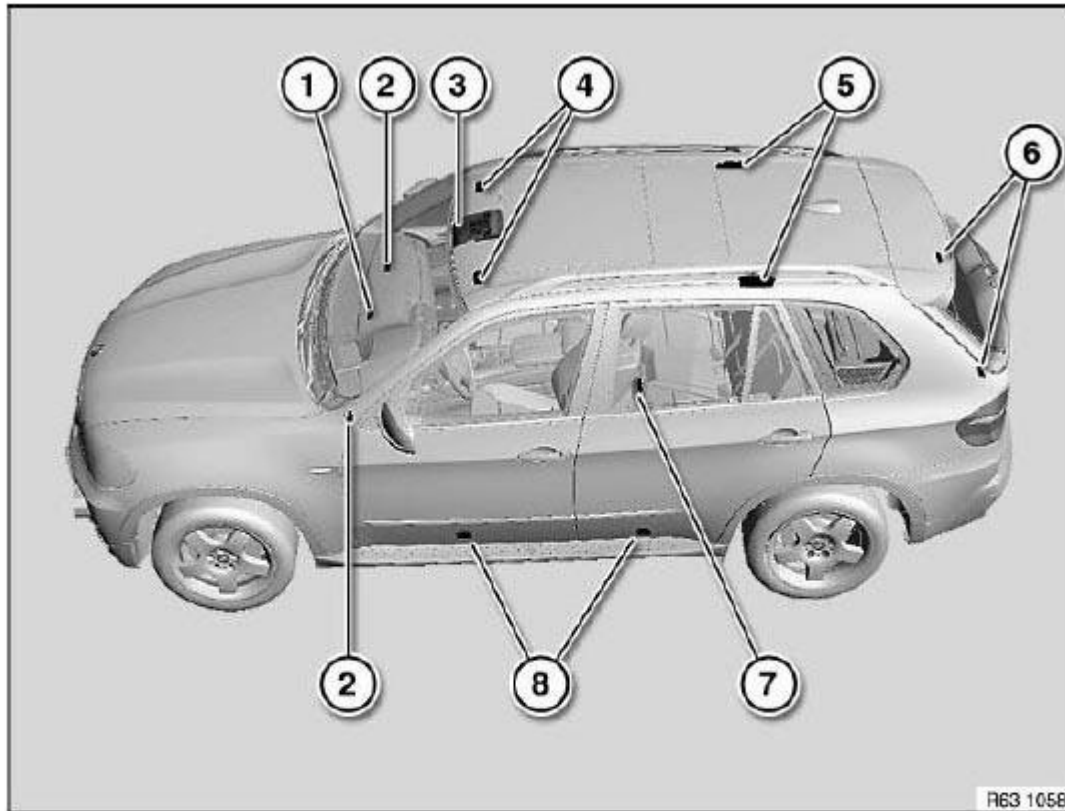


Fig. 32: Removing License Plate Light
Courtesy of BMW OF NORTH AMERICA, INC.

31 INTERIOR LIGHTS

63 31 .. OVERVIEW OF INTERIOR LIGHTS



- | | | | |
|---|---|---|----------------------------------|
| 1 | <u>Glovebox light</u> | 2 | <u>Footwell light (footwell)</u> |
| 3 | <u>Front ceiling light</u> | 4 | <u>Mirror light</u> |
| 5 | <u>Interior light</u> | 6 | <u>Luggage compartment light</u> |
| 7 | <u>Footwell light (on floor trim panel, rear)</u> | 8 | <u>Footwell light (door)</u> |

Fig. 33: Location Of Interior Lights

Courtesy of BMW OF NORTH AMERICA, INC.

- Glovebox light. See **63 31 150 Removing and Installing/Replacing Glovebox Light** and **63 99 461 Replacing Bulb for Glovebox Light**
- Footwell light (footwell). See **63 31 020 Removing and Installing/Replacing Footwell Light (Door)** and **63 99 437 Replacing Light Bulb for Footwell Light**
- Front ceiling light. See **61 31 043 REMOVING AND INSTALLING OR REPLACING ROOF SWITCH CENTRE** and **63 99 431 Replacing Bulb for Front Ceiling Light**
- Mirror light. See **63 31 050 Removing and Installing/Replacing Mirror Light**
- Interior light. See **63 31 015 Removing and Installing/Replacing Left Or Right Interior Light**, **63 99 435 Replacing Light Bulb for Left or Right Interior Light**
- Luggage compartment light. See **63 31 080 Removing and Installing/Replacing Luggage Compartment Light**, **63 99 451 Replacing Light Bulb for Luggage Compartment Light (on Rear Lid)**
- Footwell light (on floor trim panel, rear). See **63 31 023 Removing and Installing/Replacing Footwell**

Light (On Floor Trim Panel, Rear), 63 99 437 Replacing Light Bulb for Footwell Light

8. Footwell light (door). See **63 31 020 Removing and Installing/Replacing Footwell Light (Door), 63 99 437 Replacing Light Bulb for Footwell Light**

63 31 015 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT INTERIOR LIGHT

Special tools required:

- 00 9 317. See **ASSEMBLY WEDGES (SET IN PLASTIC CASE)**

IMPORTANT: Follow instructions for handling light bulbs (interior lights). See **63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)**.

Lever out interior light (1) with special tool. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)**.

Disconnect plug connection underneath and remove interior light (1).

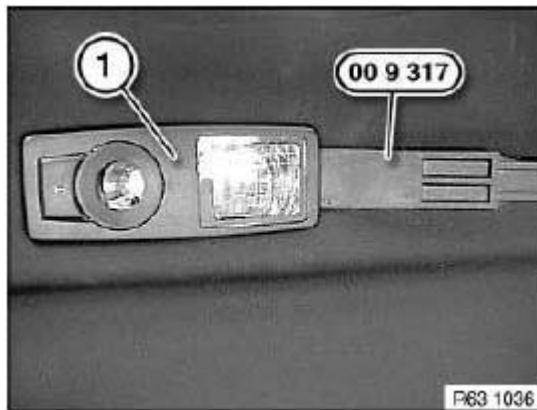


Fig. 34: Identifying Special Tool (00 9 317) On Interior Light
Courtesy of BMW OF NORTH AMERICA, INC.

Replacement:

- If necessary, convert bulbs. See **63 99 435 Replacing Light Bulb for Left or Right Interior Light**.
- Note bulb type. See **63 31 INTERIOR LIGHTS E70**

63 31 020 REMOVING AND INSTALLING/REPLACING FOOTWELL LIGHT (DOOR)

IMPORTANT: Follow instructions for handling light bulbs (interior lights). See **63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)**.

Lever footwell light (1) in direction of arrow out of door trim panel.

Disconnect associated plug connection and remove footwell light (1).

Replacement:

- If necessary, remove bulb. See **63 31 INTERIOR LIGHTS E70** .
- Note bulb type. See **63 99 437 Replacing Light Bulb for Footwell Light**.

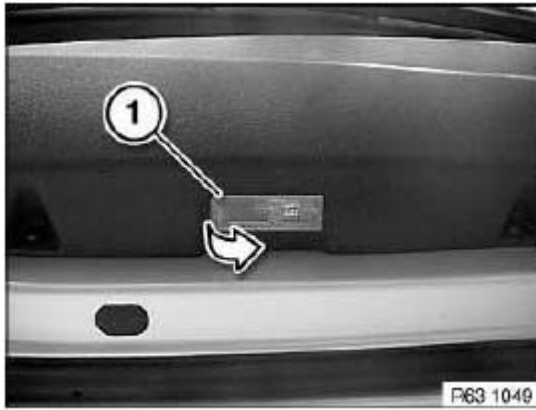


Fig. 35: Removing Footwell Door Light
Courtesy of BMW OF NORTH AMERICA, INC.

63 31 020 REMOVING AND INSTALLING/REPLACING FOOTWELL LIGHT (FOOTWELL)

IMPORTANT: Follow instructions for handling light bulbs (interior lights). See **63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)**.

Lever out footwell light (1) in direction of arrow.

Disconnect associated plug connection and remove footwell light (1).

Replacement:

- If necessary, remove bulb. See **63 99 437 Replacing Light Bulb for Footwell Light**.
- Note bulb type. See **63 31 INTERIOR LIGHTS E70** .

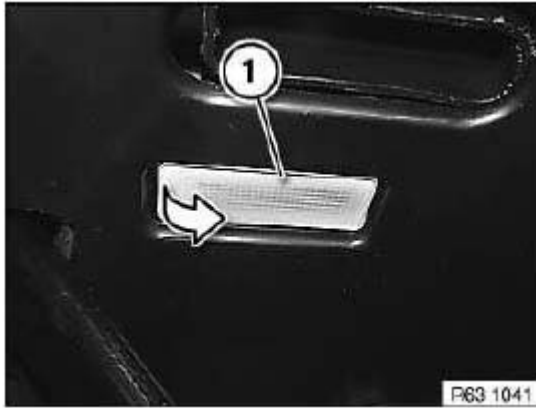


Fig. 36: Removing Footwell Light

Courtesy of BMW OF NORTH AMERICA, INC.

63 31 023 REMOVING AND INSTALLING/REPLACING FOOTWELL LIGHT (ON FLOOR TRIM PANEL, REAR)

IMPORTANT: Follow instructions for handling light bulbs (interior lights). See 63 99 ... Instructions for Replacing Light Bulbs (Interior Lights).

Lever out footwell light (1) in direction of arrow.

Disconnect associated plug connection and remove footwell light (1).

Replacement:

- If necessary, remove bulb. See 63 99 437 Replacing Light Bulb for Footwell Light.
- Note bulb type. See 63 31 INTERIOR LIGHTS E70.

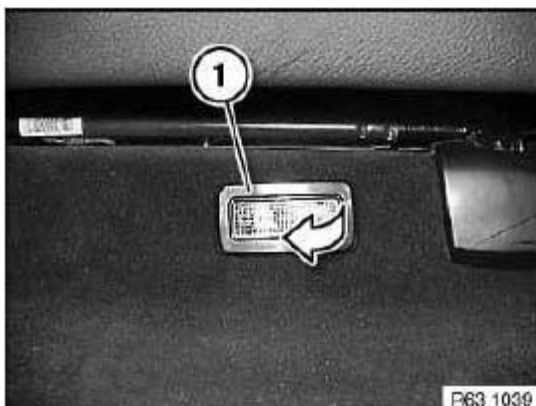


Fig. 37: Removing Footwell Light (On Floor Trim Panel, Rear)

Courtesy of BMW OF NORTH AMERICA, INC.

63 31 050 REMOVING AND INSTALLING/REPLACING MIRROR LIGHT

Special tools required:

- 00 9 340. See DISASSEMBLY AID (2)

IMPORTANT: Follow instructions for handling light bulbs (interior lights). See 63 99 ... Instructions for Replacing Light Bulbs (Interior Lights).

Lever out mirror light (1) with special tool 00 9 340. See DISASSEMBLY AID (2) in direction of arrow.

Disconnect plug connection underneath and remove mirror plate light (1).

Replacement:

- If necessary, remove bulb. See 63 99 445 Replacing Bulb for Mirror Light.
- Note bulb type. See 63 31 INTERIOR LIGHTS E70

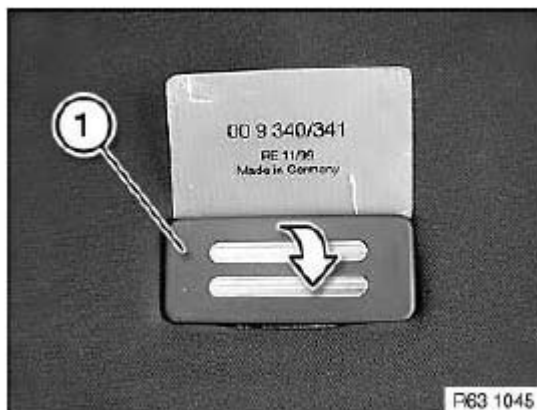


Fig. 38: Removing Mirror Plate Light
Courtesy of BMW OF NORTH AMERICA, INC.

63 31 080 REMOVING AND INSTALLING/REPLACING LUGGAGE COMPARTMENT LIGHT

IMPORTANT: Follow instructions for handling light bulbs (interior lights). See 63 99 ... Instructions for Replacing Light Bulbs (Interior Lights).

Lever out luggage compartment light (1) in direction of arrow.

Disconnect associated plug connection and remove luggage compartment light (1).

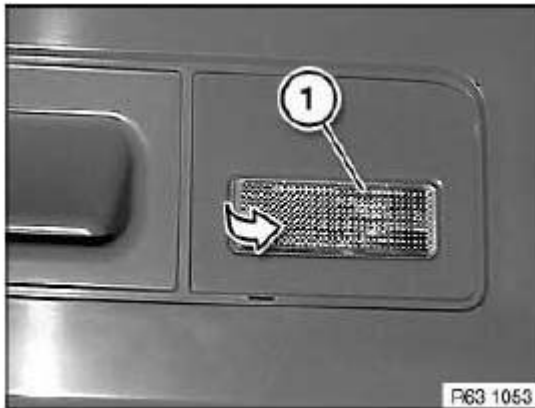


Fig. 39: Removing Luggage Compartment Light
Courtesy of BMW OF NORTH AMERICA, INC.

Replacement:

- If necessary, convert bulbs. See **63 99 451 Replacing Light Bulb for Luggage Compartment Light (on Rear Lid)**.
- Note bulb type. See **63 31 INTERIOR LIGHTS E70** .

63 31 150 REMOVING AND INSTALLING/REPLACING GLOVEBOX LIGHT

IMPORTANT: Follow instructions for handling light bulbs (interior lights). See **63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)**.

Open glovebox.

Lever out glovebox light (1) in direction of arrow.

Disconnect plug connection and remove glovebox light (1).

Replacement:

- If necessary, remove bulb. See **63 99 461 Replacing Bulb for Glovebox Light**.
- Note bulb type. See **63 31 INTERIOR LIGHTS E70** .

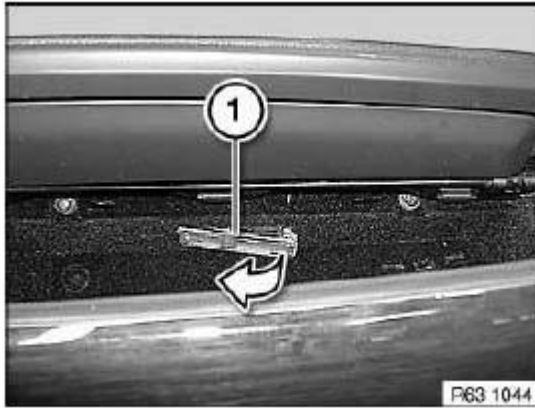


Fig. 40: Removing Glovebox Light
Courtesy of BMW OF NORTH AMERICA, INC.

63 31 180 REPLACING LED FOR FRONT DOOR TRIM PANEL LIGHT

Necessary preliminary tasks:

- Remove front door trim panel. See **51 41 000 REMOVING AND INSTALLING LEFT OR RIGHT FRONT DOOR TRIM PANEL**

Remove sheathing from wiring harness (1).

Disconnect cables.

Connect cables with butt connector and shrink-fit hoses.

Insulate wiring harness with insulating tape.

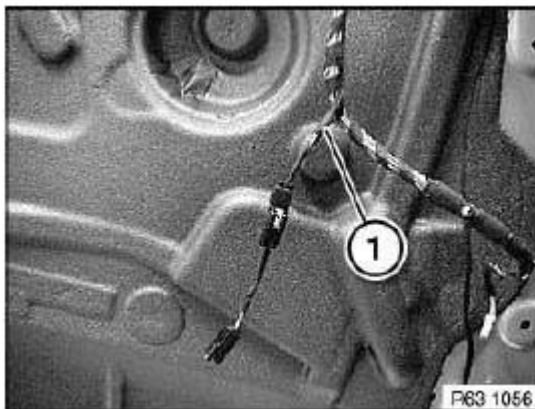


Fig. 41: Identifying Wiring Harness
Courtesy of BMW OF NORTH AMERICA, INC.

Necessary preliminary tasks:

- Remove front door trim panel. See **51 41 000 REMOVING AND INSTALLING LEFT OR RIGHT FRONT DOOR TRIM PANEL**

Disconnect plug connection (1).

Remove LED for inside door opener (2).

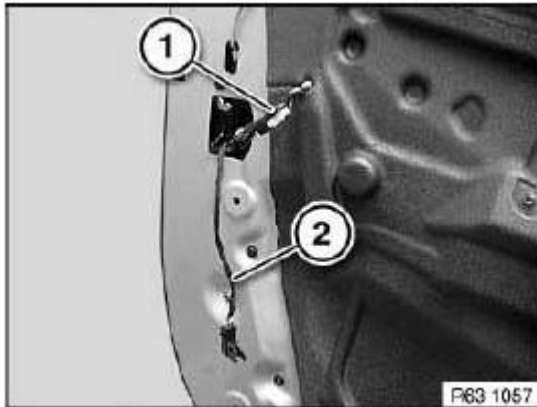


Fig. 42: Identifying Plug Connection With Door Opener
Courtesy of BMW OF NORTH AMERICA, INC.

63 31 191 REPLACING LED FOR REAR DOOR TRIM PANEL LIGHT

Necessary preliminary tasks:

- Remove rear door trim panel. See **51 42 000 REMOVING AND INSTALLING LEFT OR RIGHT REAR DOOR TRIM PANEL**

Remove sheathing from wiring harness (1).

Disconnect cables.

Connect cables with butt connector and shrink-fit hoses.

Insulate wiring harness with insulating tape.

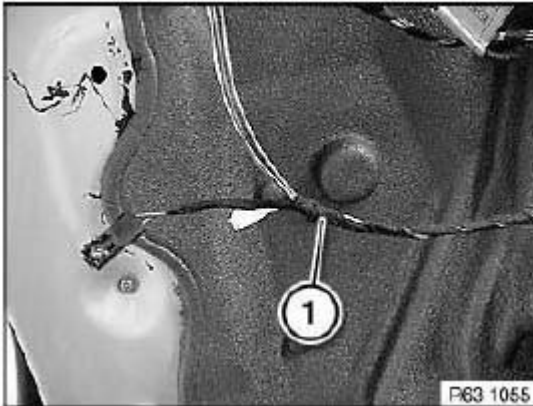


Fig. 43: Identifying Insulate Wiring Harness With Insulating Tape
Courtesy of BMW OF NORTH AMERICA, INC.

63 31 193 REPLACING LED FOR REAR INSIDE DOOR OPENER

Necessary preliminary tasks:

- Remove rear door trim panel. See **51 42 000 REMOVING AND INSTALLING LEFT OR RIGHT REAR DOOR TRIM PANEL**
- Remove decorative strip from door trim panel at rear. See **51 42 030 REMOVING AND INSTALLING/REPLACING DECORATIVE STRIP ON REAR LEFT OR RIGHT DOOR TRIM PANEL**

Disconnect plug connection.

Pull LED for inside door opener (1) out of decorative strip (2).

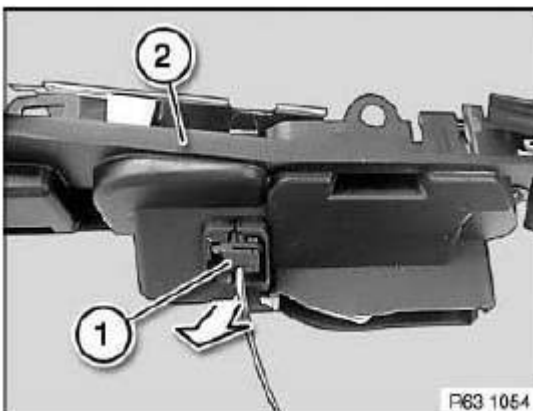


Fig. 44: Pulling LED For Inside Door Opener Out Of Decorative Strip
Courtesy of BMW OF NORTH AMERICA, INC.

63 21 055 REPLACING SOCKET HOUSING FOR LEFT OR RIGHT REAR LIGHT

WARNING: Follow instructions for handling light bulbs (exterior lights). See 63 99 ... Instructions for Handling Light Bulbs (Exterior Lights).

Rear light in side panel:

Remove flap in luggage compartment trim panel. See 51 47 172 REMOVING AND INSTALLING/REPLACING FLAP IN LUGGAGE COMPARTMENT TRIM, LEFT OR RIGHT.

Turn socket housing and pull out of rear light.

NOTE:

1. Bulb, adaptive brake light
2. Bulb, reversing light
3. Bulb, brake light
4. Bulb, turn indicator light

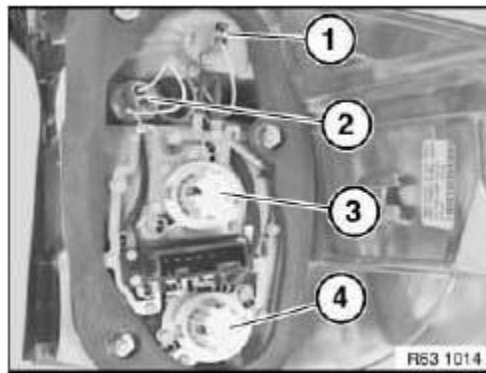


Fig. 45: Identifying Adaptive Brake Light, Reversing Light, Brake Light And Indicator Light

Courtesy of BMW OF NORTH AMERICA, INC.

Rear light in rear lid:

Remove luggage compartment light.

NOTE: For purposes of clarity, rear lid trim panel is shown removed.

Turn socket housing and pull out of rear light.

NOTE:

1. Bulb, rear fog light and adaptive brake light

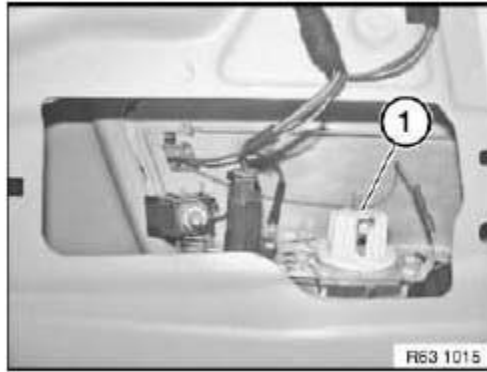


Fig. 46: Identifying Rear Fog Light
 Courtesy of BMW OF NORTH AMERICA, INC.

Rear light in rear lid:

Turn bulb (1) and pull out of socket housing (3).

Pull bulb (2) out of socket housing (3).

Installation:

NOTE: type of bulb. See 63 21 REAR LIGHT UNIT E70 .

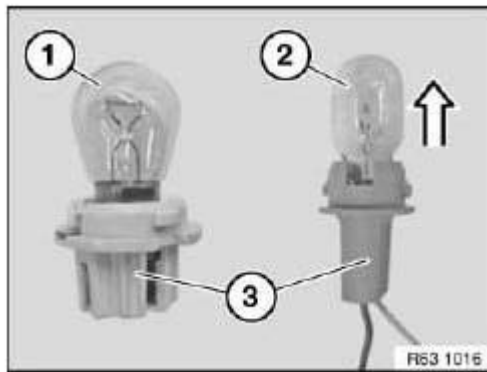


Fig. 47: Pulling Bulb Out Of Socket Housing
 Courtesy of BMW OF NORTH AMERICA, INC.

63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS)

WARNING: Xenon headlights: Danger to life due to high voltage!
 Work on the entire xenon lighting system (ignition unit, control unit and lamp) may only be carried out by specialist personnel.

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WARNING: Halogen lamps are under pressure:

To avoid injury, wear protective goggles and gloves.

IMPORTANT: To prevent short-circuiting, disconnect light bulbs from voltage supply prior to replacement.

Do not touch the glass bulbs in new lights bulbs as even the slightest contamination will burn in and reduce bulb service life.

Only touch light bulbs with clean gloves or a clean cloth.

Do not expose light bulbs to mechanical vibrations.

Use only recommended light bulbs.

Follow the light bulb manufacturer's instructions without fail.

63 99 ... INSTRUCTIONS FOR REPLACING LIGHT BULBS (INTERIOR LIGHTS)

CAUTION: To prevent short-circuiting, disconnect light bulbs from voltage supply prior to replacement.

Do not touch the glass bulbs in new lights bulbs as even the slightest contamination will burn in and reduce bulb service life.

Only touch light bulbs with clean gloves or a clean cloth.

Do not expose light bulbs to mechanical vibrations.

Use only recommended light bulbs.

Follow the light bulb manufacturer's instructions without fail.

63 99 076 REPLACING BULB FOR LEFT (OR RIGHT) XENON HEADLIGHT (WITH IGNITION UNIT)

Operation is described in:

Replacing ignition unit for left xenon headlight. See **63 12 870 Replacing Ignition Unit For Left Xenon Headlight (With Xenon Bulb)**.

63 99 145 REPLACING BULB FOR LEFT (OR RIGHT) PARKING LIGHT (XENON HEADLIGHT)

WARNING: Follow instructions for handling light bulbs (exterior lights). See 63 99 ... Instructions for Handling Light Bulbs (Exterior Lights)

Turn cover (1) in direction of arrow and remove from headlight.

Installation:

Make sure cover (1) is correctly seated on headlight.

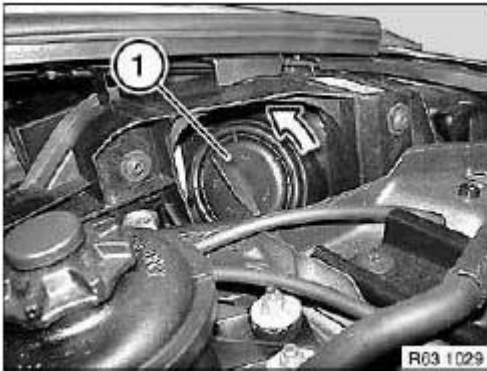


Fig. 48: Turning Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1).

Turn bulb (2) in direction of arrow and remove from headlight.

Installation:

- Make sure bulb (1) is exactly seated in headlight.
- Note bulb type. See **63 12 HEADLIGHTS, HEADLIGHT ASSEMBLY E70**

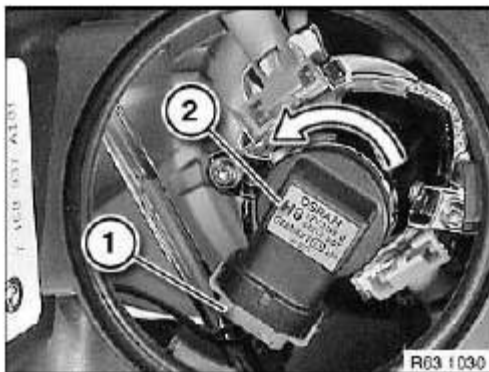


Fig. 49: Turning Bulb

Courtesy of BMW OF NORTH AMERICA, INC.

WARNING: Follow instructions for handling light bulbs (exterior lights). See 63 99 ... Instructions for Handling Light Bulbs (Exterior Lights)

Necessary preliminary tasks:

- Remove left grille in bumper trim. See 51 11 185 REMOVING AND INSTALLING/REPLACING GRILLE (SIDE) IN BUMPER TRIM

Disconnect plug connection (1).

Turn bulb (2) in direction of arrow and remove from fog lamp.

Installation:

Note bulb type. See 63 12 HEADLIGHTS, HEADLIGHT ASSEMBLY E70

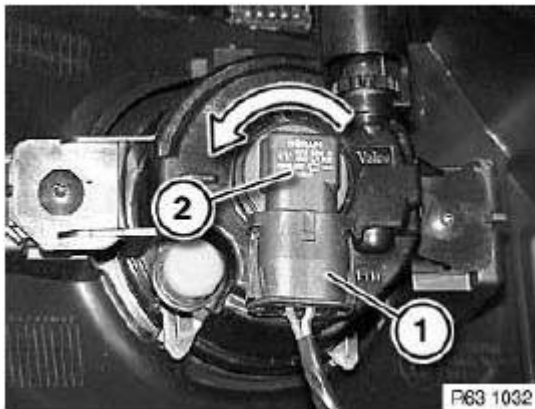


Fig. 50: Turning Bulb

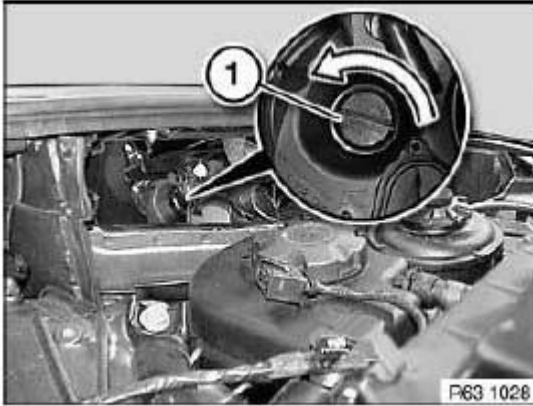
Courtesy of BMW OF NORTH AMERICA, INC.

63 99 273 REPLACING BULB FOR LEFT (OR RIGHT) FRONT TURN INDICATOR

WARNING: Follow instructions for handling light bulbs (exterior lights). See 63 99 ... Instructions for Handling Light Bulbs (Exterior Lights)

Turn bulb holder (1) approx. 30 ° counterclockwise.

Remove bulb holder (1) from headlight.

**Fig. 51: Turning Bulb Holder**

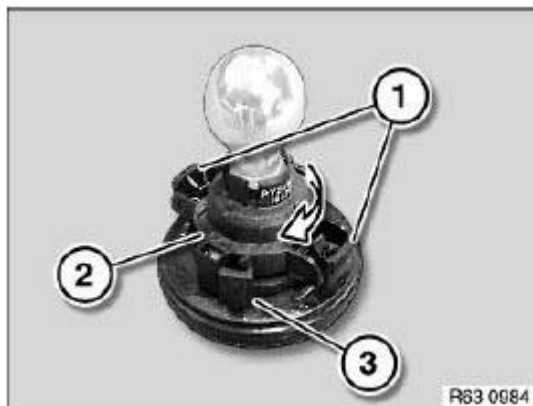
Courtesy of BMW OF NORTH AMERICA, INC.

Unlock catch (1).

Turn bulb (2) approx. 30° clockwise and remove from bulb holder (3).

Installation:

- Make sure bulb (2) is exactly seated in bulb holder (3).
- Note bulb type. See **63 12 HEADLIGHTS, HEADLIGHT ASSEMBLY E70**

**Fig. 52: Removing Bulb Holder**

Courtesy of BMW OF NORTH AMERICA, INC.

63 99 315 REPLACING LIGHT BULB(S) FOR LEFT OR RIGHT REAR LIGHT

WARNING: Follow instructions for handling light bulbs (exterior lights). See **63 99 ... Instructions for Handling Light Bulbs (Exterior Lights)**

Remove flap in luggage compartment trim panel. See **51 47 172 REMOVING AND INSTALLING/REPLACING FLAP IN LUGGAGE COMPARTMENT TRIM, LEFT OR RIGHT**

Turn socket housing and pull out of rear light.

NOTE:

1. Bulb, adaptive brake light
2. Bulb, reversing light
3. Bulb, brake light
4. Bulb, turn indicator light

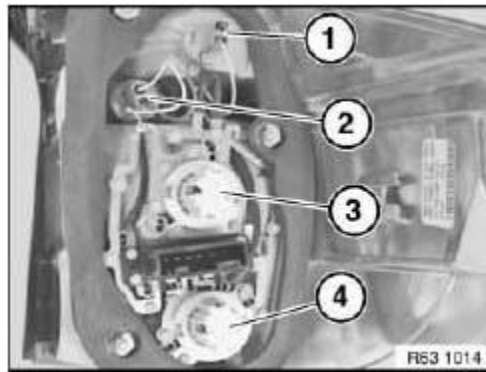


Fig. 53: Identifying Adaptive Brake Light, Reversing Light, Brake Light And Indicator Light

Courtesy of BMW OF NORTH AMERICA, INC.

Rear light in rear lid:

Remove luggage compartment light.

NOTE: For purposes of clarity, rear lid trim panel is shown removed.

Turn socket housing and pull out of rear light.

NOTE:

1. Bulb, rear fog light and adaptive brake light

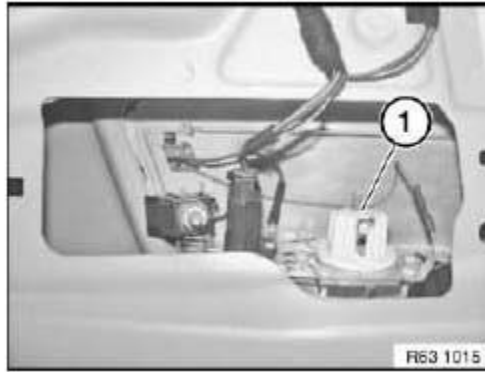


Fig. 54: Identifying Rear Fog Light
 Courtesy of BMW OF NORTH AMERICA, INC.

Rear light in rear lid:

Turn bulb (1) and pull out of socket housing (3).

Pull bulb (2) out of socket housing (3).

Installation:

Note type of bulb. See **63 21 REAR LIGHT UNIT E70** .

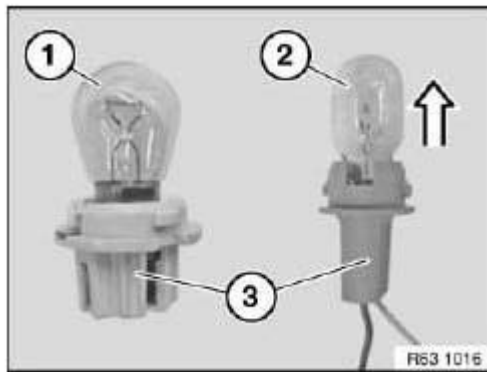


Fig. 55: Pulling Bulb Out Of Socket Housing
 Courtesy of BMW OF NORTH AMERICA, INC.

63 99 401 REPLACING BULB FOR LEFT OR RIGHT LICENSE PLATE LIGHT

WARNING: Follow instructions for handling light bulbs (exterior lights). See **63 99 ... Instructions for Handling Light Bulbs (Exterior Lights)**

- Remove license plate light. See **63 26 000 Removing and Installing/Replacing Left Or Right Number/License Plate Light**

Spread bow contacts (1) and remove festoon bulb (2).

Installation:

Note bulb type. See **63 26 LICENSE PLATE LIGHTS E70**

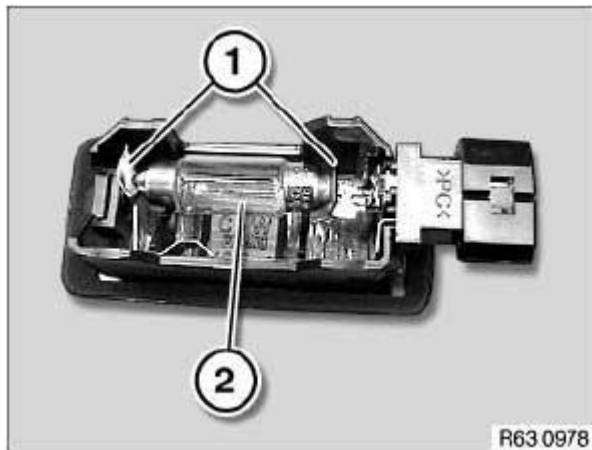


Fig. 56: Identifying Festoon Bulb

Courtesy of BMW OF NORTH AMERICA, INC.

63 99 431 REPLACING BULB FOR FRONT CEILING LIGHT

WARNING: Follow instructions for handling light bulbs (interior lights). See **63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)**

Necessary preliminary tasks:

- Remove roof switch cluster. See **61 31 043 REMOVING AND INSTALLING OR REPLACING ROOF SWITCH CENTRE**

Turn bulb (1) in direction of arrow and pull out.

Installation:

Note bulb type. See **63 31 INTERIOR LIGHTS E70**

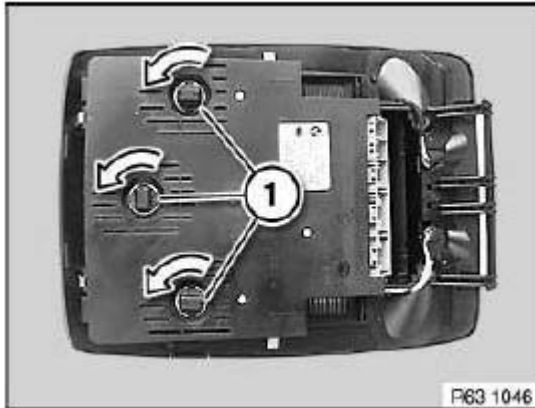


Fig. 57: Turning Ceiling Light Bulb

Courtesy of BMW OF NORTH AMERICA, INC.

63 99 435 REPLACING LIGHT BULB FOR LEFT OR RIGHT INTERIOR LIGHT

WARNING: Follow instructions for handling light bulbs (interior lights). See 63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)

Necessary preliminary tasks:

- Remove interior light. See 63 31 015 Removing and Installing/Replacing Left Or Right Interior Light

Turn socket housing (1) in direction of arrow and pull out.

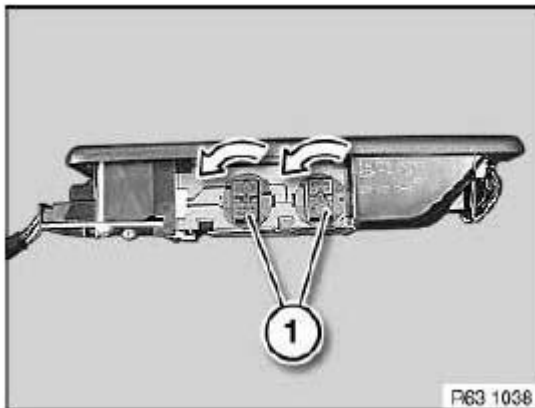


Fig. 58: Turning Socket Housing

Courtesy of BMW OF NORTH AMERICA, INC.

Pull bulb (1) out of socket housing (2).

Installation:

Note bulb type. See **63 31 INTERIOR LIGHTS E70**

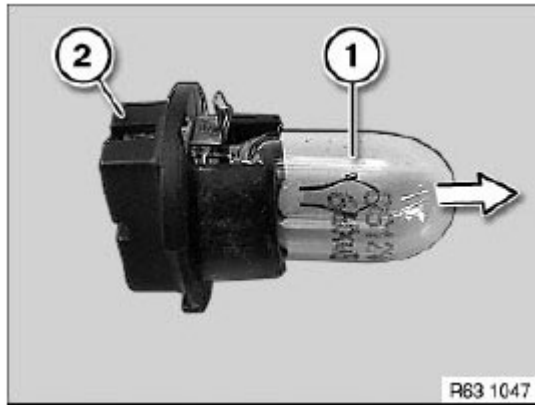


Fig. 59: Pulling Bulb Out Of Socket Housing
Courtesy of BMW OF NORTH AMERICA, INC.

63 99 437 REPLACING LIGHT BULB FOR FOOTWELL LIGHT

WARNING: Follow instructions for handling light bulbs (interior lights). See **63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)**

Necessary preliminary tasks:

- Remove footwell light. See **63 31 020 Removing and Installing/Replacing Footwell Light (Door)**, **63 31 020 Removing and Installing/Replacing Footwell Light (Footwell)**, **63 31 023 Removing and Installing/Replacing Footwell Light (On Floor Trim Panel, Rear)**

In footwell:

Turn bulb holder (1) in direction of arrow and pull out of footwell light (2).

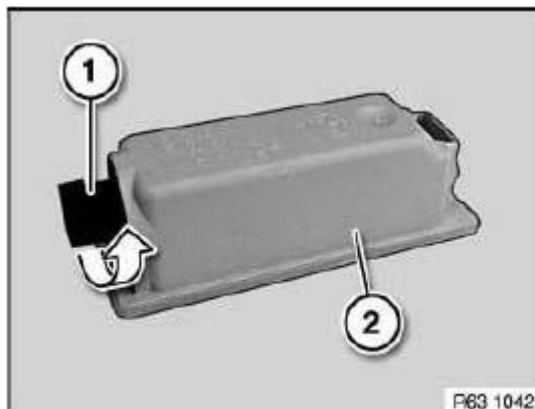


Fig. 60: Turning Bulb Holder

Courtesy of BMW OF NORTH AMERICA, INC.

Pull bulb (1) in direction of arrow out of bulb holder (2).

Installation:

Note bulb type. See **63 31 INTERIOR LIGHTS E70**

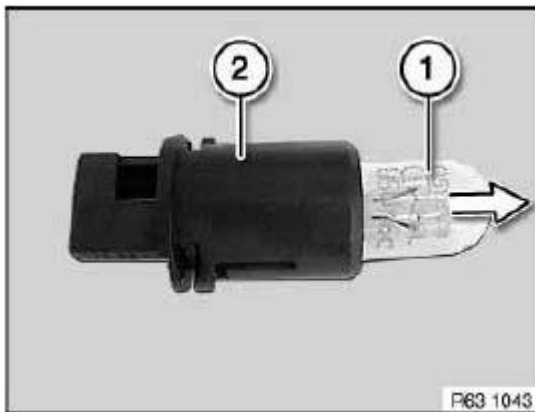


Fig. 61: Pulling Bulb Out Of Bulb Holder
Courtesy of BMW OF NORTH AMERICA, INC.

On underside of door:

Pull bulbs (1) in direction of arrow out of bulb holder.

Installation:

Note type of bulb. See **63 31 INTERIOR LIGHTS E70** .

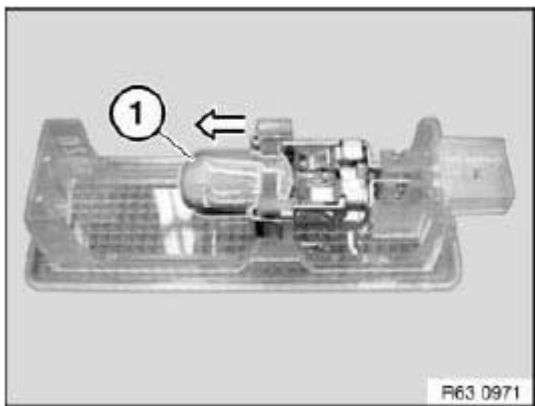


Fig. 62: Pulling Bulb Out Of Bulb Holder
Courtesy of BMW OF NORTH AMERICA, INC.

On rear floor trim:

Pull bulbs (1) in direction of arrow out of bulb holder.

Installation:

Note type of bulb. See **63 31 INTERIOR LIGHTS E70** .

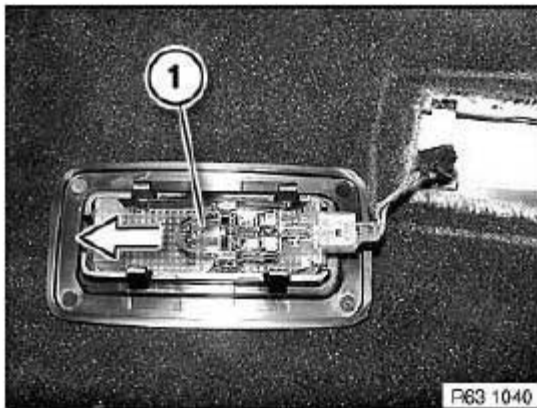


Fig. 63: Pulling Bulb Out Of Bulb Holder
Courtesy of BMW OF NORTH AMERICA, INC.

63 99 445 REPLACING BULB FOR MIRROR LIGHT

WARNING: Follow instructions for handling light bulbs (interior lights). See **63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)**

Necessary preliminary tasks:

- Remove mirror light. See **63 31 050 Removing and Installing/Replacing Mirror Light**

Spread bow contacts (1) and remove bulb.

Installation:

Note bulb type. See **63 31 INTERIOR LIGHTS E70**

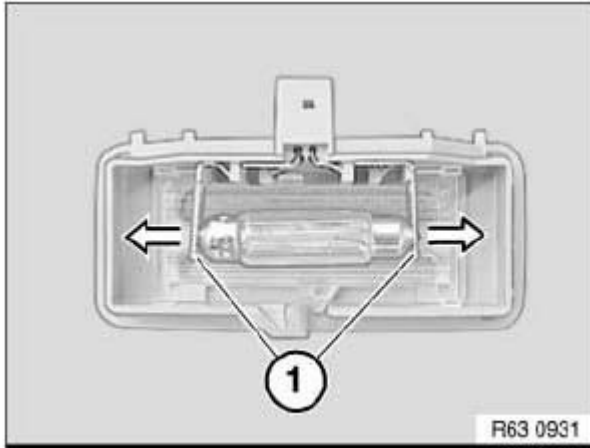


Fig. 64: Removing Bulb

Courtesy of BMW OF NORTH AMERICA, INC.

63 99 451 REPLACING LIGHT BULB FOR LUGGAGE COMPARTMENT LIGHT (ON REAR LID)

WARNING: Follow instructions for handling light bulbs (interior lights). See 63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)

Necessary preliminary tasks:

- Remove luggage compartment light. See 63 31 080 Removing and Installing/Replacing Luggage Compartment Light

Turn bulb holder (1) in direction of arrow and remove from luggage compartment light (2).

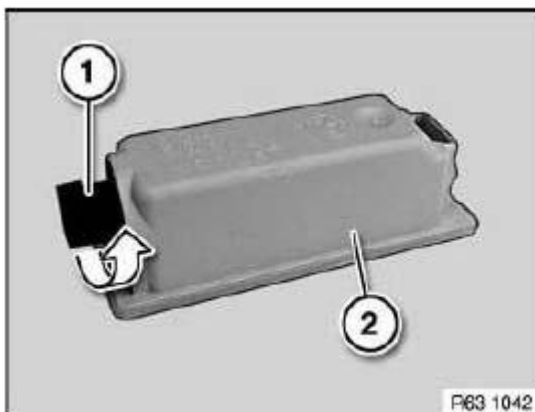


Fig. 65: Turning Bulb Holder

Courtesy of BMW OF NORTH AMERICA, INC.

Remove bulb (1) from bulb holder (2) in direction of arrow.

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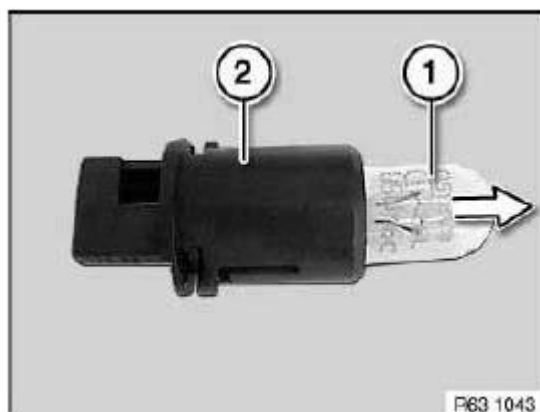


Fig. 66: Pulling Bulb Out Of Bulb Holder
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

- Make sure bulb holder is correctly seated and engaged in luggage compartment light
- Note bulb type. See 63 31 INTERIOR LIGHTS E70

63 99 461 REPLACING BULB FOR GLOVEBOX LIGHT

WARNING: Follow instructions for handling light bulbs (interior lights). See 63 99 ... Instructions for Replacing Light Bulbs (Interior Lights)

Necessary preliminary tasks:

- Remove glovebox light. See 63 31 150 Removing and Installing/Replacing Glovebox Light

Pull out bulb (1) in direction of arrow.

Installation:

Note bulb type. See 63 31 INTERIOR LIGHTS E70

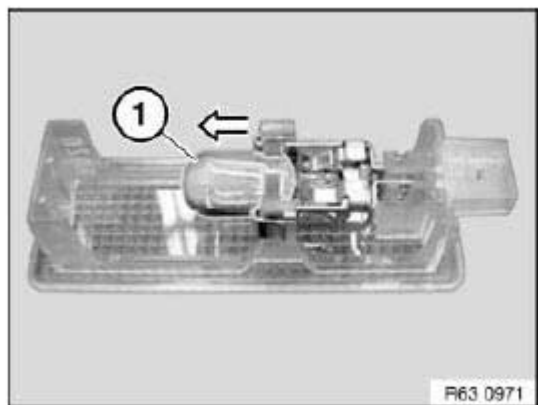


Fig. 67: Pulling Bulb Out Of Bulb Holder
Courtesy of BMW OF NORTH AMERICA, INC.