

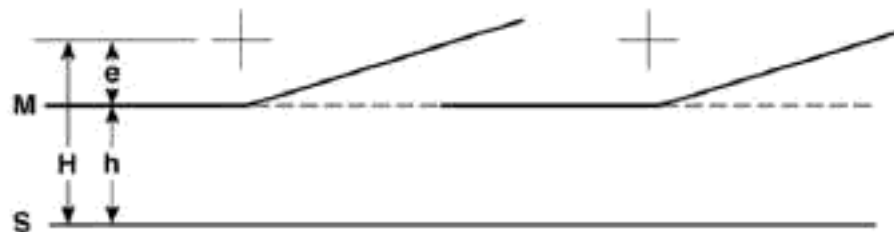
2001-2003 ACCESSORIES AND EQUIPMENT

Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i) M54

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.



e Adjustment dimension, headlights:

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

Adjustment dimension, fog lights:

- 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

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Fig. 1: Identifying Light/Dark Limit Of Headlight Dimensions

Courtesy of BMW OF NORTH AMERICA, INC.

Light/Dark Limit Of Headlights In Headlight Aimer:

(e) Adjustment dimension, headlights:

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

Adjustment dimension, fog lights:

- 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.

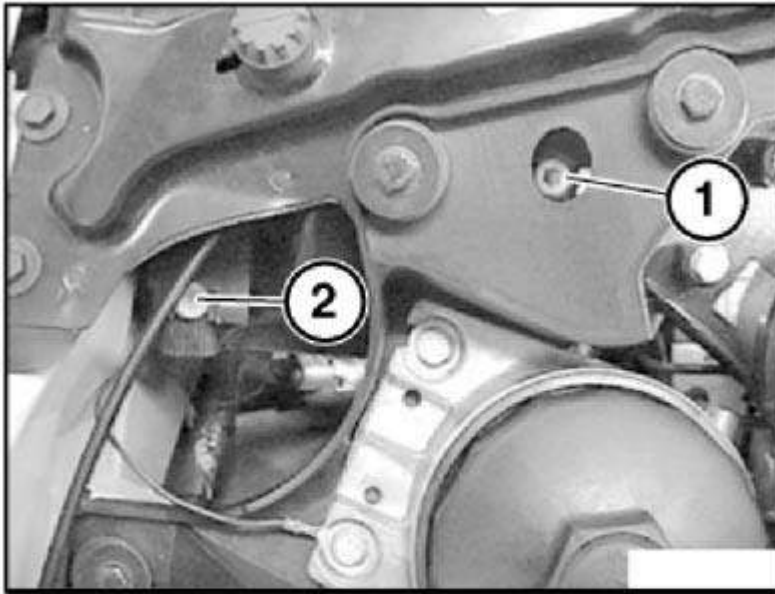
63 10 004 ADJUSTING HEADLIGHTS

Observe test preconditions for adjusting headlights. Refer to **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. (1) Adjusting screw for vertical aiming.
2. (2) Adjusting screw for lateral aiming.



1. Adjusting screw for vertical aiming
2. Adjusting screw for lateral aiming

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Fig. 2: Locating Headlight Adjusting Screws
Courtesy of BMW OF NORTH AMERICA, INC.

63 10 014 ADJUSTING FOG LAMPS

Necessary Preliminary Tasks:

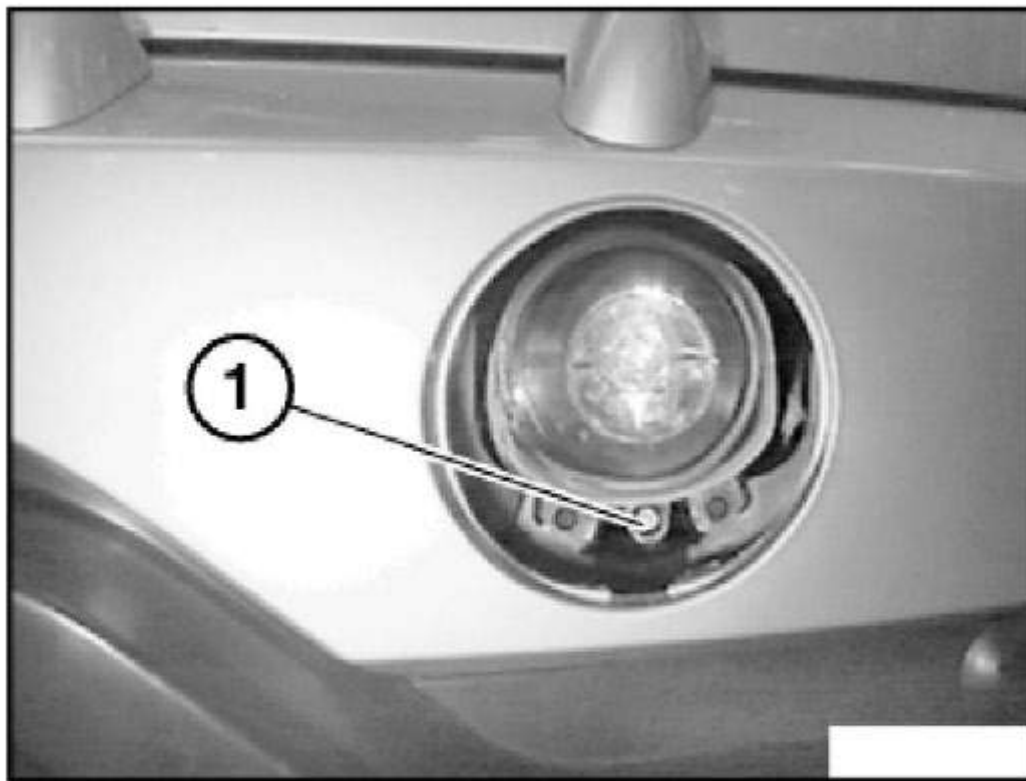
- Remove trim. Refer to **63 17 060 REMOVING AND INSTALLING LEFT OR RIGHT FOG LAMP (FROM 10/2003)** or **63 17 060 REMOVING AND INSTALLING LEFT OR RIGHT FOG LAMP (UP TO 10/2003)** .
- Observe test preconditions for adjusting headlights. Refer to **63 10 ... TEST REQUIREMENTS FOR HEADLIGHT VERTICAL AIM ADJUSTMENT** .

Up To 10/2003:

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

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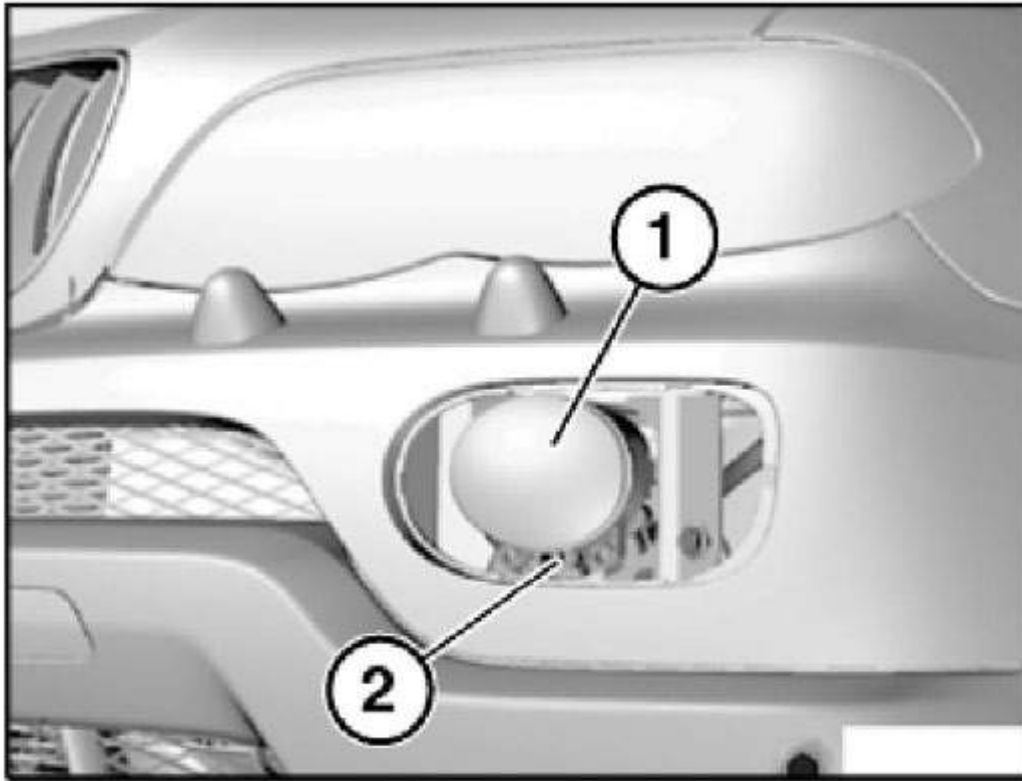


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Fig. 3: Locating Fog Lamp Adjusting Screw (Up To 10/2003)
Courtesy of BMW OF NORTH AMERICA, INC.

From 10/2003:

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



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Fig. 4: Locating Fog Lamp Adjusting Screw (From 10/2003)
Courtesy of BMW OF NORTH AMERICA, INC.

HEADLIGHTS

63 12 001 REMOVING AND INSTALLING/REPLACING LEFT HEADLIGHT

Necessary Preliminary Tasks:

- **Up To 10/2003:**

Remove trim from left headlight housing. Refer to **51 13 065 REMOVING AND INSTALLING OR REPLACING FINISHER ON LEFT OR RIGHT HEADLIGHT HOUSING** .

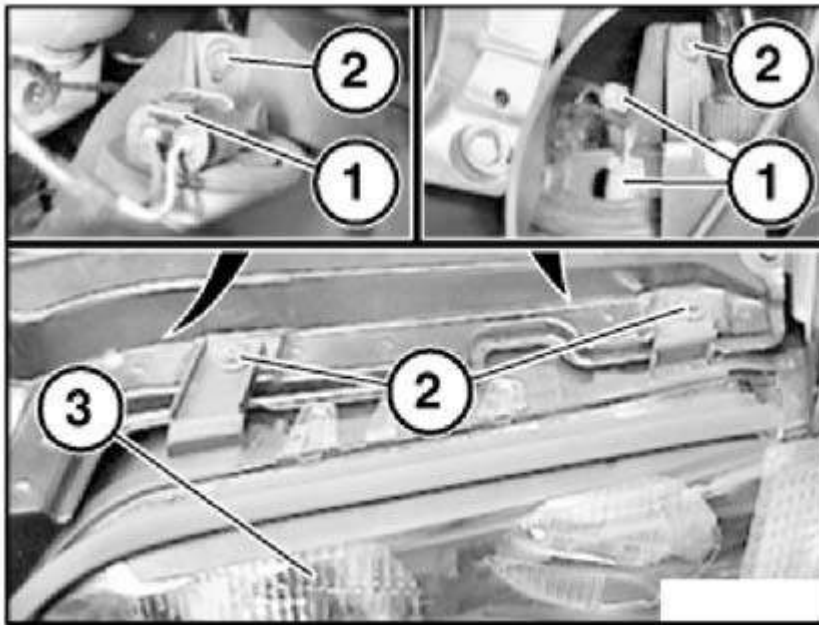
- **From 10/2003:**

Remove front bumper trim. Refer to **51 11 156 REMOVING AND INSTALLING FRONT BUMPER TRIM (FROM 10/03)** .

Unlock plug connections (1) and disconnect.

Release screws (2) on top and rear sides of headlight (3).

Remove headlight (3).



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Fig. 5: Removing Left Headlight

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

- Adjust gap dimensions.
- Adjust headlights. Refer to **63 10 004 ADJUSTING HEADLIGHTS** .

63 12 002 REMOVING AND INSTALLING/REPLACING RIGHT HEADLIGHT

This operation is described under:

Removing and installing/replacing left headlight. Refer to **63 12 001 REMOVING AND INSTALLING/REPLACING LEFT HEADLIGHT** .

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

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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:

- **Up To 10/2003:**

Remove trim from left headlight housing. Refer to **51 13 065 REMOVING AND INSTALLING OR REPLACING FINISHER ON LEFT OR RIGHT HEADLIGHT HOUSING** .

- **From 10/2003:**

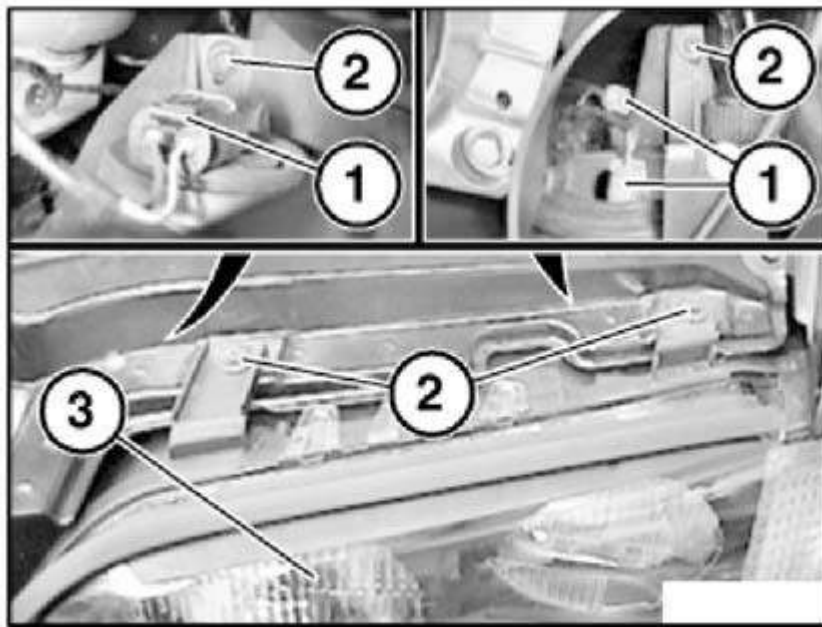
Remove front bumper trim. Refer to **51 11 156 REMOVING AND INSTALLING FRONT BUMPER TRIM (FROM 10/03)** .

Up To 10/2003:

Cover bumper in area of headlight (3).

Release screws (2) on top and rear sides of headlight (3).

Remove headlight (3).



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Fig. 6: Removing Left Headlight

Courtesy of BMW OF NORTH AMERICA, INC.

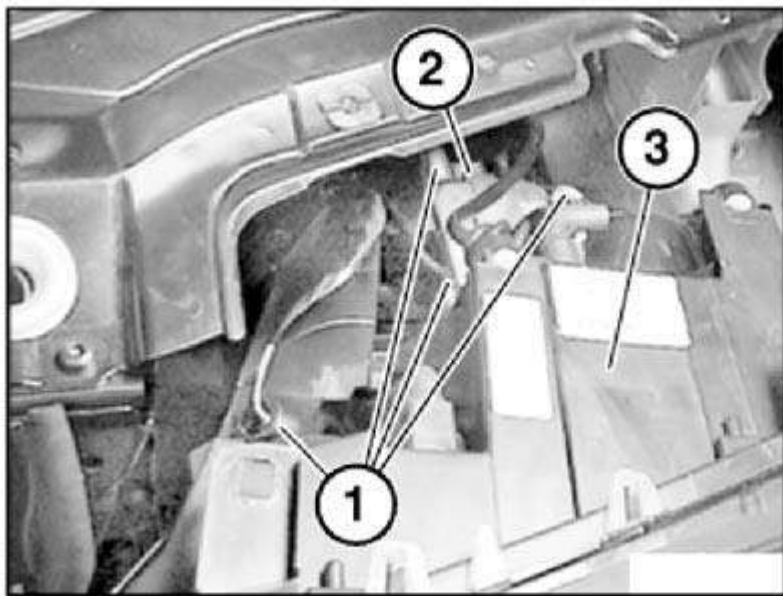
Disconnect plug connections (1).

Release screw (2) and remove retaining bracket for xenon control unit.

Remove headlamp (3).

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Fig. 7: Removing Headlamp

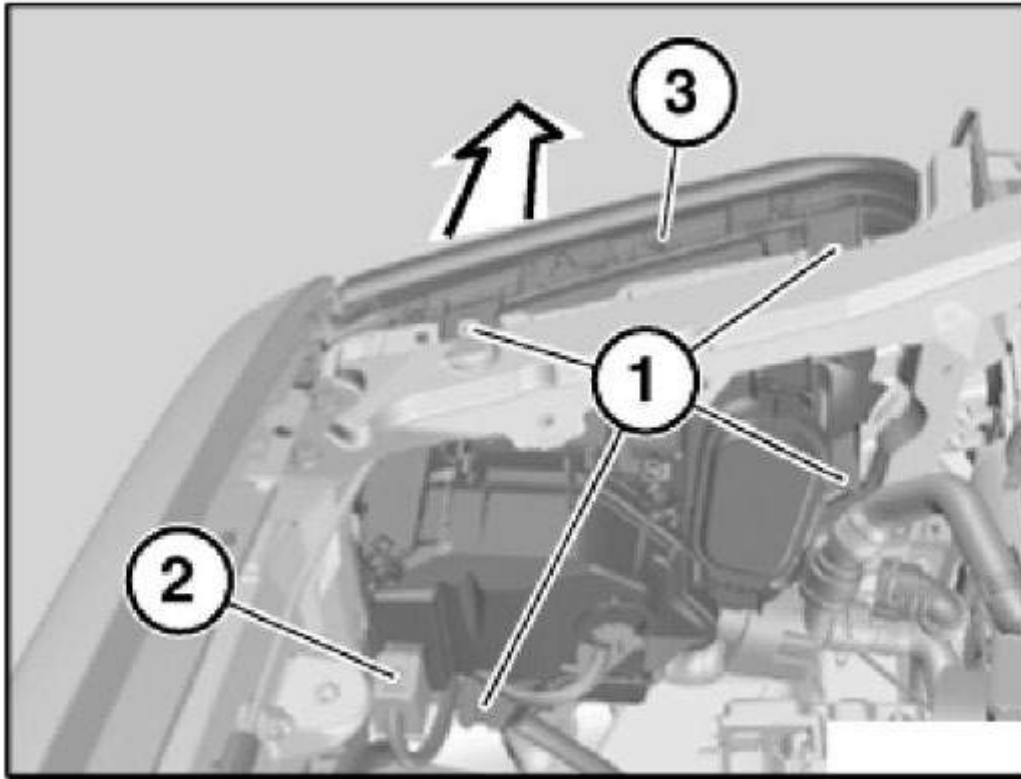
Courtesy of BMW OF NORTH AMERICA, INC.

From 10/2003:

Release screws (1).

Unlock and disconnect plug connection (2) and if necessary further plug connections.

Remove headlamp (3) in direction of arrow.



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Fig. 8: Locating Headlamp Retaining Screws
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

- Adjust gap dimensions.
- Adjust headlights. Refer to **63 10 004 ADJUSTING HEADLIGHTS** .

63 12 011 REPLACING LEFT HEADLIGHT (XENON HEADLIGHT)

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:

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- Remove left headlight. Refer to **63 12 010 REMOVING AND INSTALLING LEFT HEADLIGHT (XENON HEADLIGHT)** .
- Remove control unit for left xenon headlight. Refer to **63 12 860 REPLACING CONTROL UNIT FOR LEFT XENON HEADLIGHT** .
- Remove lamp for left xenon headlight. Refer to **63 99 076 REPLACING BULB FOR LEFT XENON HEADLIGHT** .

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

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:

- **Up To 10/2003:**

Remove trim from right headlight housing. Refer to **51 13 065 REMOVING AND INSTALLING OR REPLACING FINISHER ON LEFT OR RIGHT HEADLIGHT HOUSING** .

- **From 10/2003:**

Remove front bumper trim. Refer to **51 11 156 REMOVING AND INSTALLING FRONT BUMPER TRIM (FROM 10/03)** .

Subsequent repair instruction is described in:

"Removing right headlight". Refer to **63 12 002 REMOVING AND INSTALLING/REPLACING RIGHT HEADLIGHT** .

63 12 013 REPLACING RIGHT HEADLIGHT (XENON HEADLIGHT)

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 right headlight. Refer to **63 12 012 REMOVING AND INSTALLING RIGHT HEADLIGHT (XENON HEADLIGHT)** .
- Remove control unit for right xenon headlight. Refer to **63 12 861 REPLACING CONTROL UNIT FOR RIGHT XENON HEADLIGHT** .
- Remove lamp for right xenon headlight. Refer to **63 99 077 REPLACING BULB FOR RIGHT**

XENON HEADLIGHT .**63 12 015 REMOVING AND INSTALLING LEFT HEADLIGHT (ADAPTIVE HEADLIGHT)**

This operation is described under:

"Removing left headlight (xenon headlight)". Refer to **63 12 010 REMOVING AND INSTALLING LEFT HEADLIGHT (XENON HEADLIGHT)** .

63 12 016 REPLACING LEFT HEADLIGHT (ADAPTIVE HEADLIGHT)

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

WARNING: Follow instructions for handling light bulbs (exterior lights). Refer to

Necessary Preliminary Tasks:

- Remove left headlight. Refer to **63 12 015 REMOVING AND INSTALLING LEFT HEADLIGHT (ADAPTIVE HEADLIGHT)** .
- Remove drive unit for adaptive headlight. Refer to **63 12 895 REPLACING DRIVE FOR LEFT ADAPTIVE HEADLIGHT** .
- Remove control unit for left xenon headlight. Refer to **63 12 860 REPLACING CONTROL UNIT FOR LEFT XENON HEADLIGHT** .
- Remove bulb for left xenon headlight (ignition unit). Refer to **63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS)** .

After Installation:

- Carry out programming/coding. Refer to **DIAGNOSIS PROGRAMMING/CODING** .
- Adjust headlight. Refer to **63 10 004 ADJUSTING HEADLIGHTS** .

63 12 860 REPLACING CONTROL UNIT FOR LEFT XENON HEADLIGHT**Necessary Preliminary Tasks:**

- Remove headlight. Refer to **63 12 010 REMOVING AND INSTALLING LEFT HEADLIGHT (XENON HEADLIGHT)** .

Up To 10/2003:

Release screws (1) and hose clip (2).

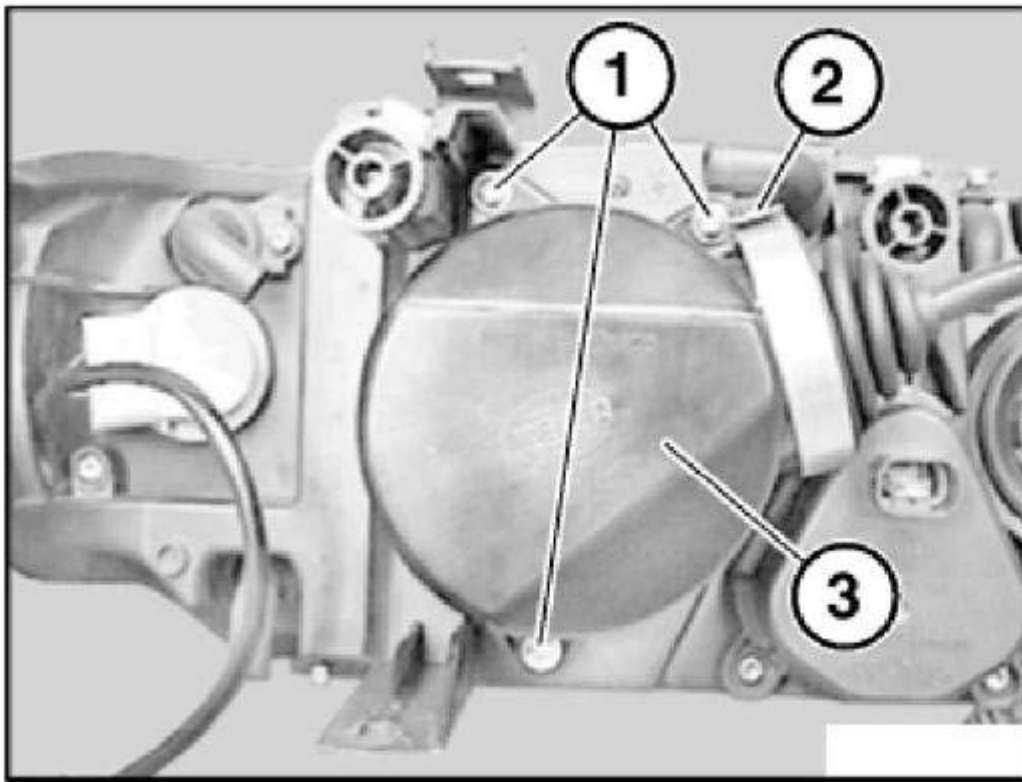
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Remove protective cap (3).

Installation:

If necessary, replace seal for protective cap (3).



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Fig. 9: Removing Protective Cap
Courtesy of BMW OF NORTH AMERICA, INC.

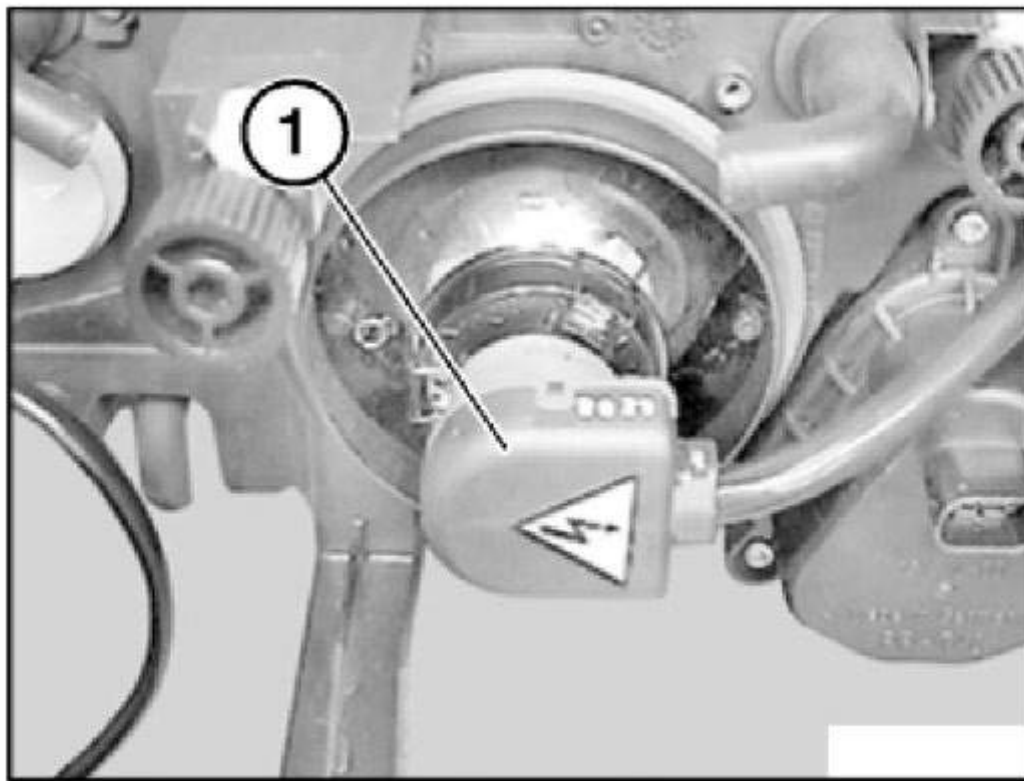
Turn ignition unit of xenon lamp (1) counterclockwise through approx. 45° and remove.

Pull out ignition unit of xenon lamp (1) through opening in protective cap.

Remove control unit for xenon headlight.

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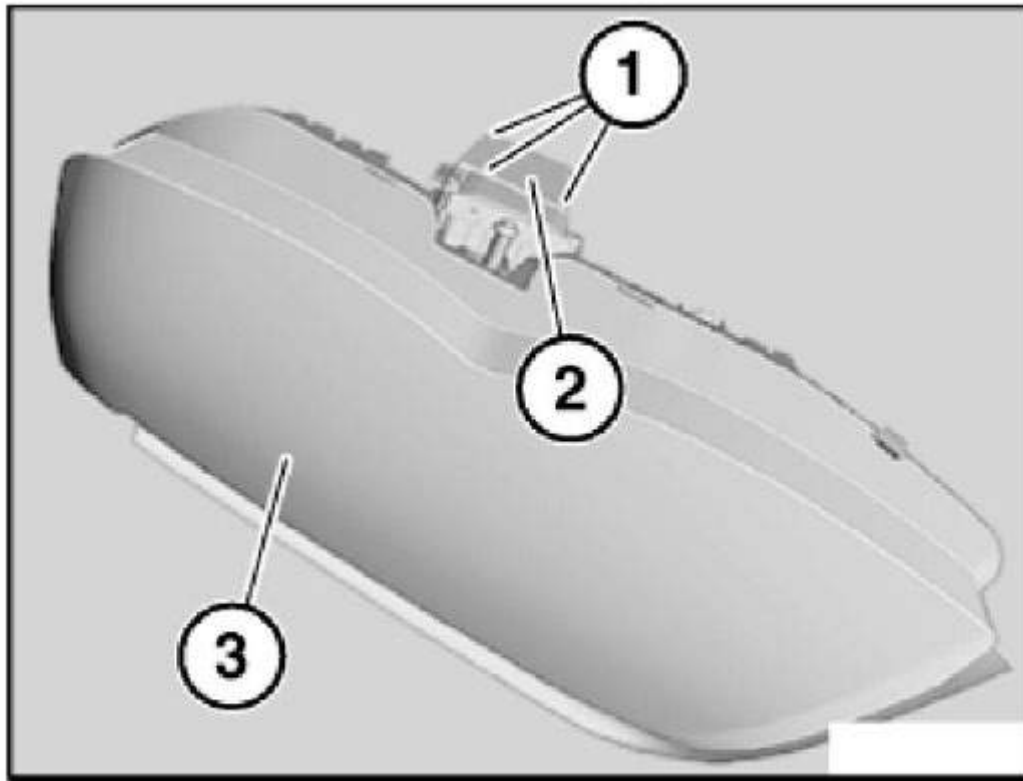
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Fig. 10: Identifying Ignition Unit For Xenon Lamp
Courtesy of BMW OF NORTH AMERICA, INC.

From 10/2003:

Release screws (1).

Remove control unit for xenon headlight (2) from xenon headlight (3).



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Fig. 11: Locating Screws For Control Unit For Headlight
Courtesy of BMW OF NORTH AMERICA, INC.

63 12 861 REPLACING CONTROL UNIT FOR RIGHT XENON HEADLIGHT

This operation is described under:

"Replacing control unit for left xenon headlight". Refer to **63 12 860 REPLACING CONTROL UNIT FOR LEFT XENON HEADLIGHT** .

63 12 870 REPLACING IGNITION UNIT FOR LEFT XENON HEADLIGHT (FROM 10/2003)

Necessary Preliminary Tasks:

- **M54 Only:** Remove suction filter housing. Refer to **13 71 000 REMOVING AND INSTALLING INTAKE FILTER HOUSING (M54)** .

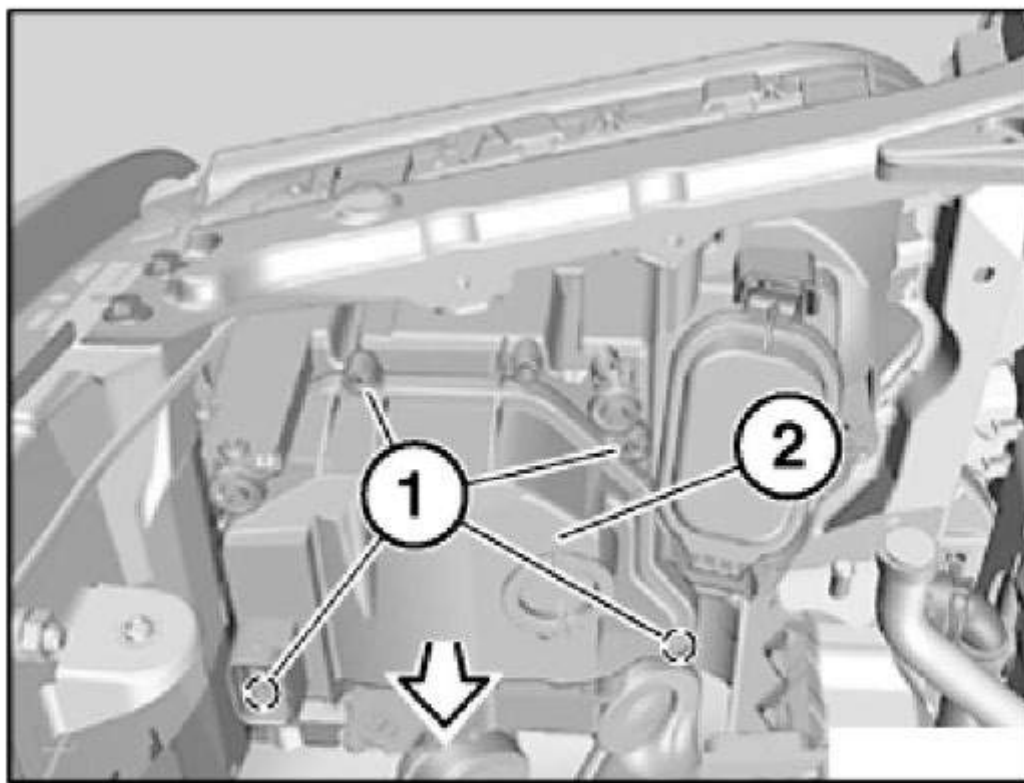
Release screws (1) and remove cover (2) in direction of arrow.

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Installation:

Make sure seal of cover (2) is correctly seated.



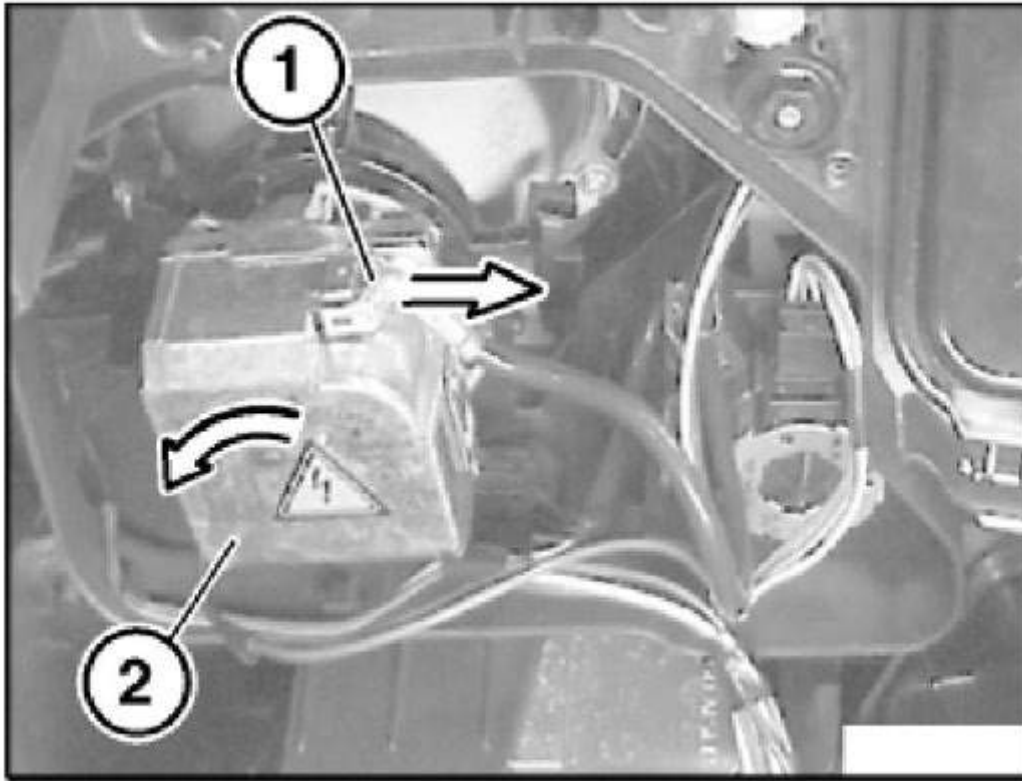
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Fig. 12: Removing Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1) in direction of arrow.

Turn ignition unit for xenon headlight (2) in direction of arrow and remove.



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Fig. 13: Removing Ignition Unit For Headlight
Courtesy of BMW OF NORTH AMERICA, INC.

63 12 871 REPLACING IGNITION UNIT FOR RIGHT XENON HEADLIGHT (FROM 10/2003)

Necessary Preliminary Tasks:

Subsequent work is described in:

"Replacing ignition unit for left xenon headlight". Refer to **63 12 870 REPLACING IGNITION UNIT FOR LEFT XENON HEADLIGHT (FROM 10/2003)**.

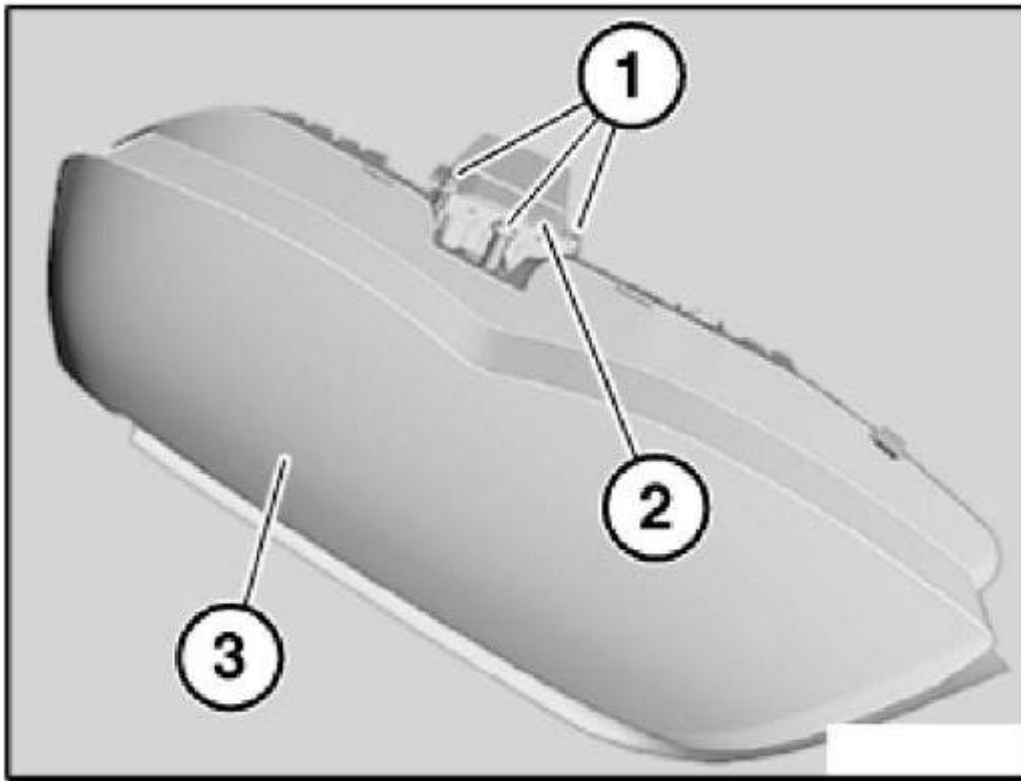
63 12 895 REPLACING DRIVE FOR LEFT ADAPTIVE HEADLIGHT

Necessary Preliminary Tasks:

- Remove headlight (adaptive headlight). Refer to **63 12 015 REMOVING AND INSTALLING LEFT HEADLIGHT (ADAPTIVE HEADLIGHT)**.

Release screws (1).

Remove drive for adaptive headlight (2) from xenon headlight (3).



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Fig. 14: Locating Screws For Adaptive Headlight Drive
Courtesy of BMW OF NORTH AMERICA, INC.

Replacement:

Carry out programming/coding. Refer to **DIAGNOSIS PROGRAMMING/CODING** .

TURN SIGNAL INDICATOR LIGHTS

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

Slide auxiliary turn indicator light (1) forwards and remove.

Installation:

Ensure that seal is correctly seated.

If necessary, replace seal.

Snap retaining hook (2) into fender.

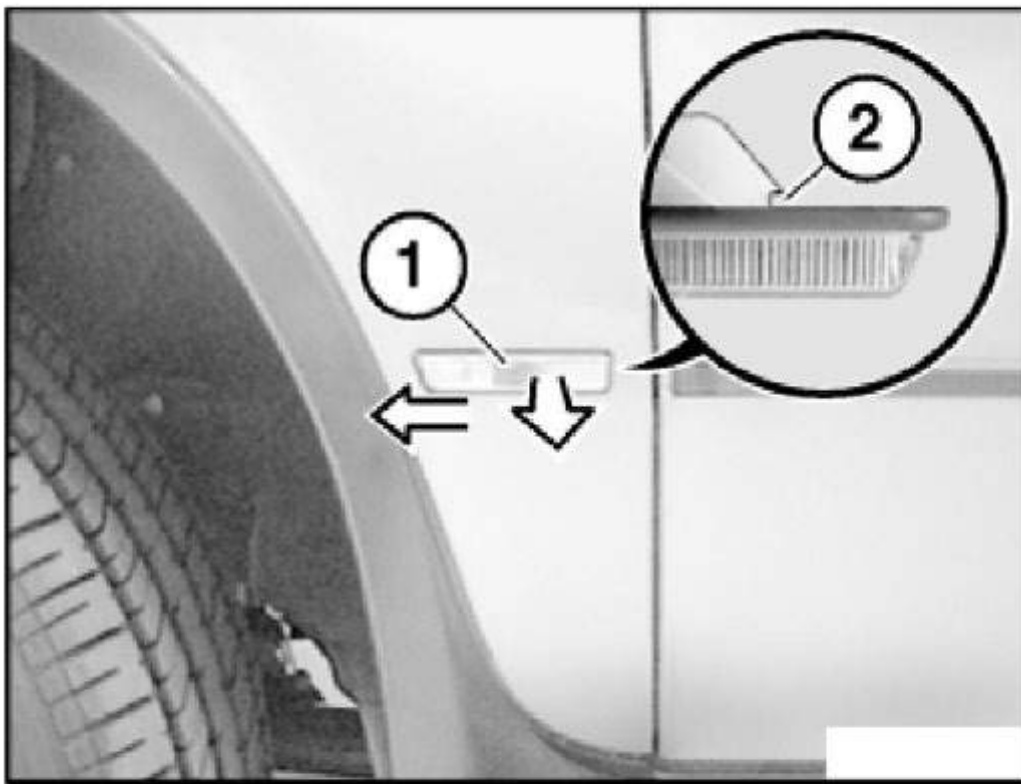
**G03256620**

Fig. 15: Turning Auxiliary Turn Indicator Light
Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1) and remove auxiliary turn indicator light (2).

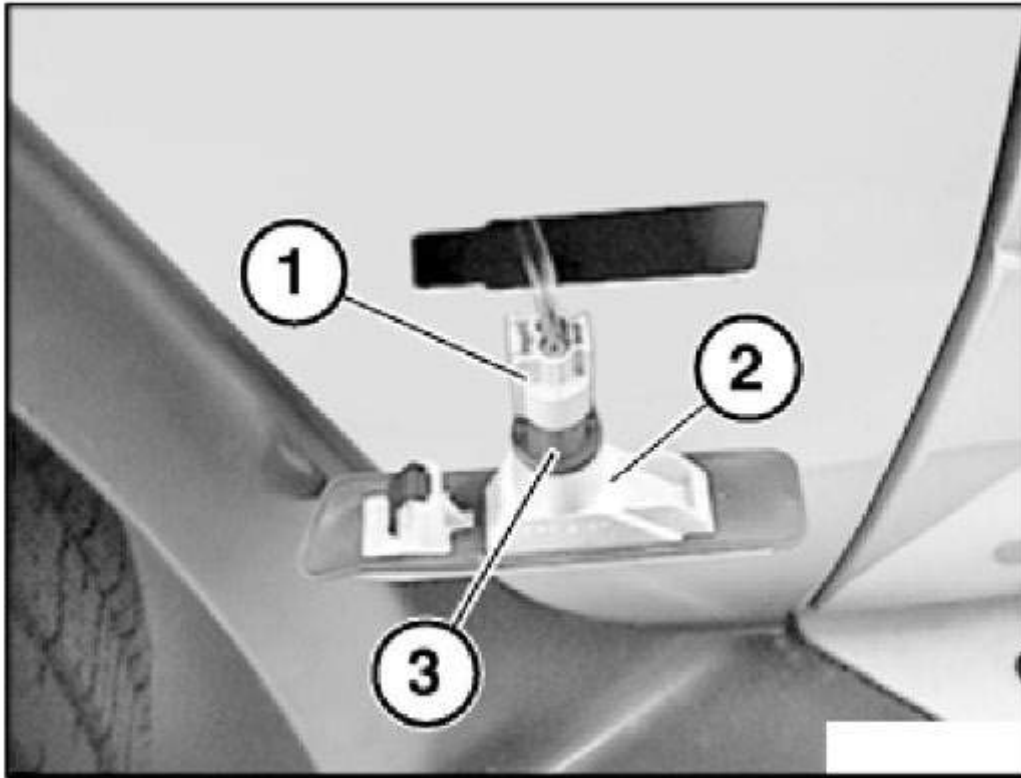
Turn bulb holder (3) counterclockwise through approx. 45° and remove.

Pull bulb out of holder.

NOTE: Do not touch glass part of bulb with bare fingers. Only touch bulb on its base or

with a clean cloth or packaging of light bulb.

Note type of bulb. Refer to **63 13 TURN SIGNALS E53** .



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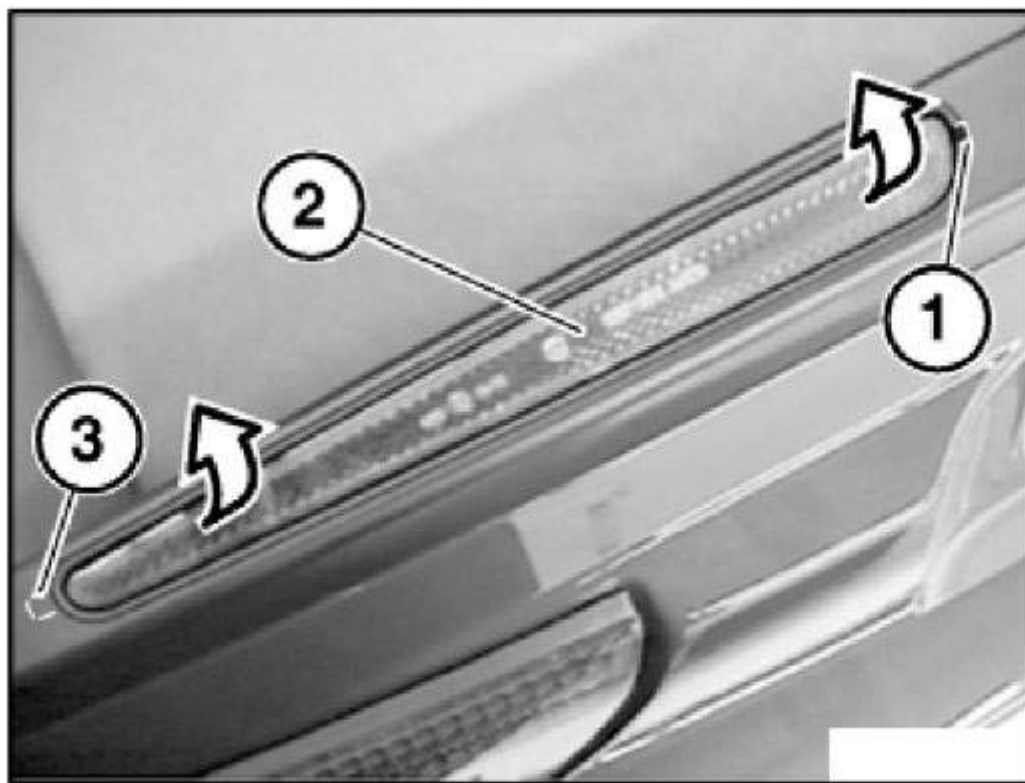
Fig. 16: Removing Auxiliary Turn Indicator Light
Courtesy of BMW OF NORTH AMERICA, INC.

CLEARANCE AND SIDE MARKER LAMPS

63 14 120 REMOVING AND INSTALLING/REPLACING REAR REFLECTOR (ON REAR LID LOWER SECTION)

Open rear lid upper section.

Lever out reflector (2) at recess (1) and remove from guide (3) towards middle of car.

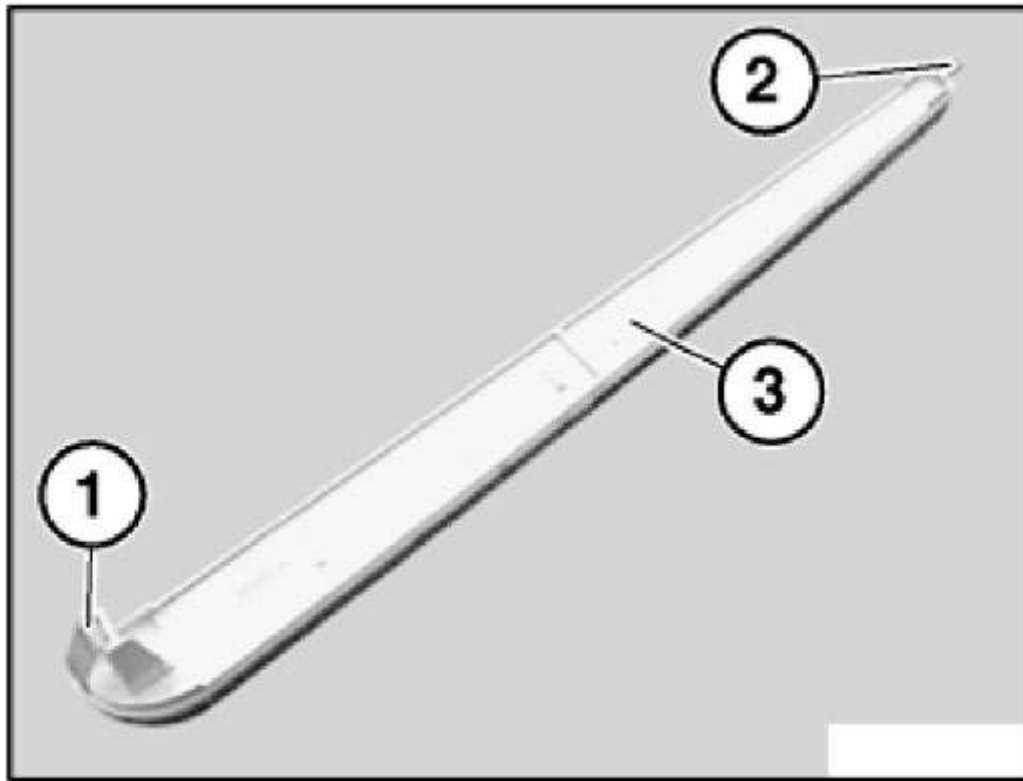


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Fig. 17: Removing Reflector From Guide
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Spring (1) and guide (2) on reflector (3) must not be damaged.



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Fig. 18: Identifying Spring And Guide On Reflector
Courtesy of BMW OF NORTH AMERICA, INC.

FOG LIGHTS, AUXILIARY LIGHTS

63 17 060 REMOVING AND INSTALLING LEFT OR RIGHT FOG LAMP (FROM 10/2003)

Necessary Preliminary Tasks:

- Remove trim. Refer to **51 11 156 REMOVING AND INSTALLING FRONT BUMPER TRIM (FROM 10/03)** .

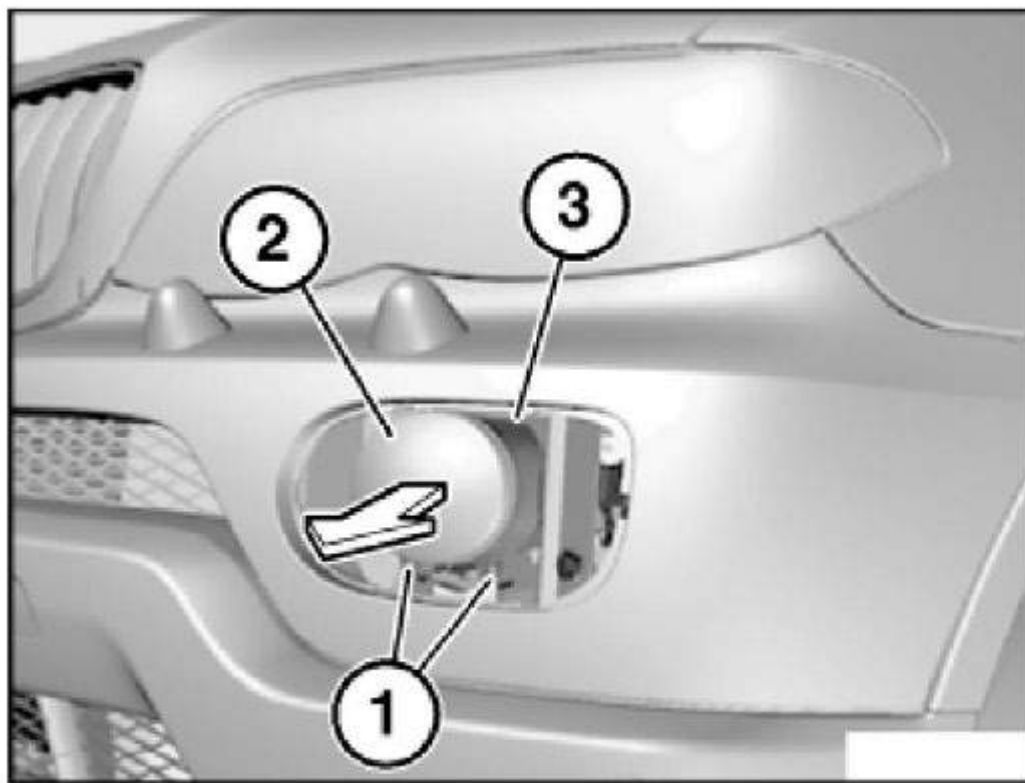
Release screws (1).

Pull out fog lamp (2), unlock and disconnect plug connection.

Set fog lamp (2) down.

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Fig. 19: Removing Fog Lamp

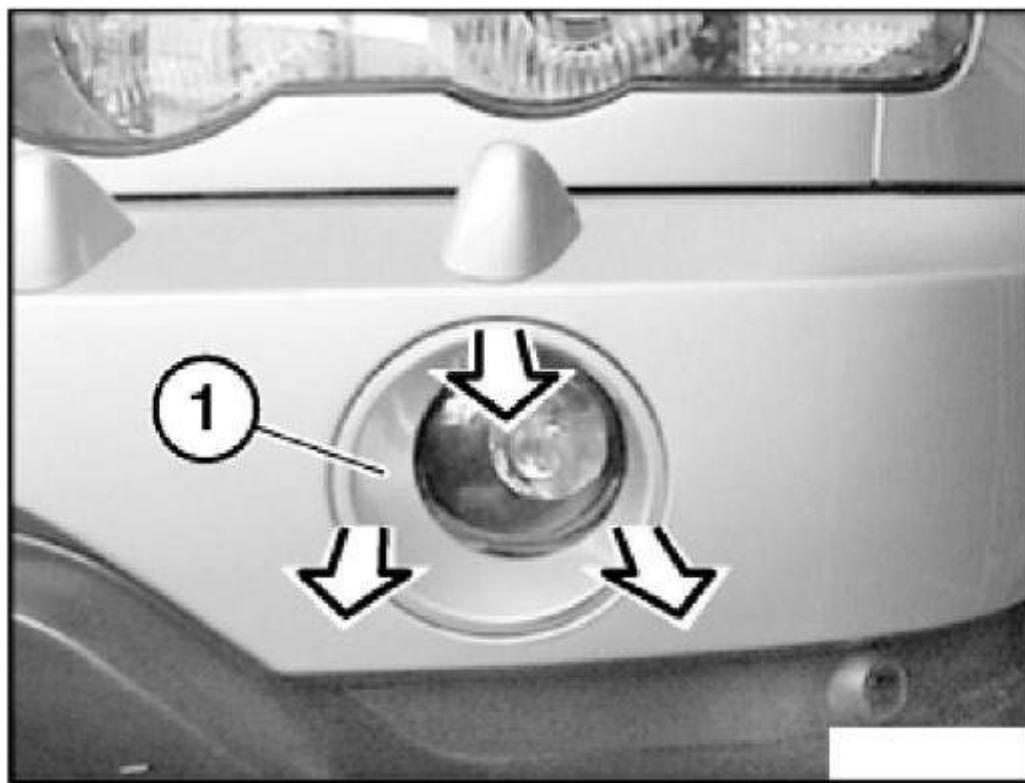
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Feed guide (3) of fog lamp (2) correctly into associated fixture.

63 17 060 REMOVING AND INSTALLING LEFT OR RIGHT FOG LAMP (UP TO 10/2003)

Detach trim (1).



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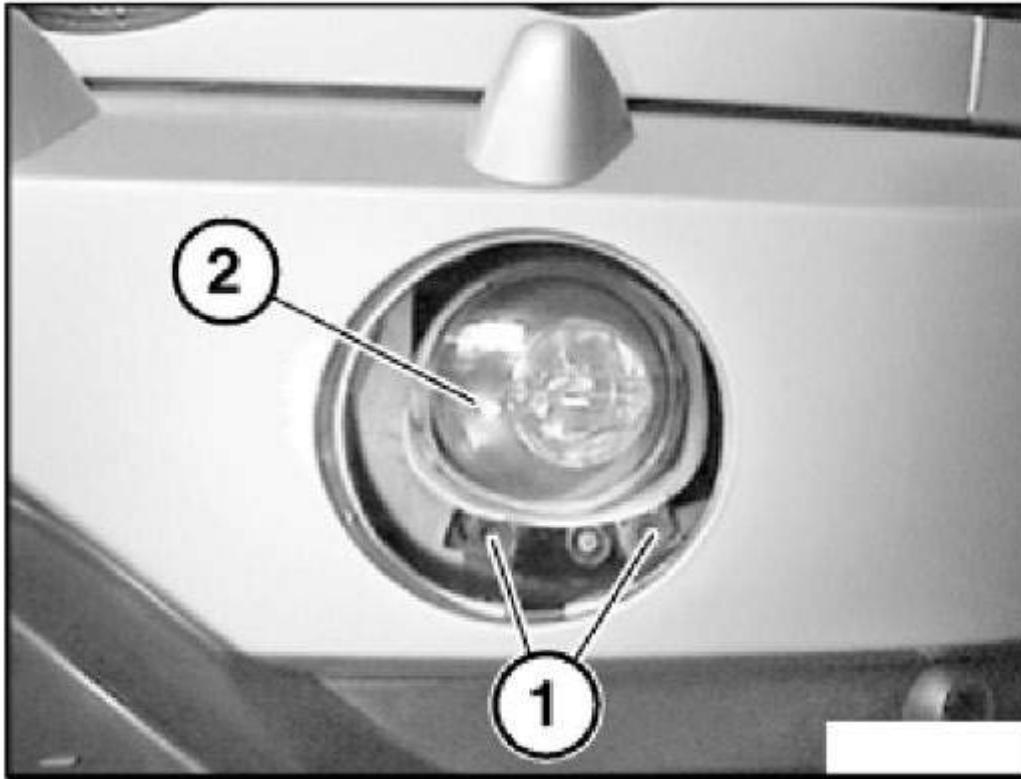
Fig. 20: Detaching Trim

Courtesy of BMW OF NORTH AMERICA, INC.

Release screws (1).

Pull out fog lamp (2), unlock and disconnect plug connection.

Set fog lamp (2) down.



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Fig. 21: Pulling Out Fog Lamp

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Feed upper guide of fog lamp (2) correctly into associated fixture.

63 17 061 REPLACING LEFT OR RIGHT FOG LAMP

Necessary Preliminary Tasks:

- Remove fog lamp. Refer to **63 17 060 REMOVING AND INSTALLING LEFT OR RIGHT FOG LAMP (FROM 10/2003)** or **63 17 060 REMOVING AND INSTALLING LEFT OR RIGHT FOG LAMP (UP TO 10/2003)** .

WARNING: Follow instructions for handling light bulbs (exterior lights). Refer to **63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS)** .

Up To 10/2002:

Turn cover (1) counterclockwise through approx. 45° and remove.



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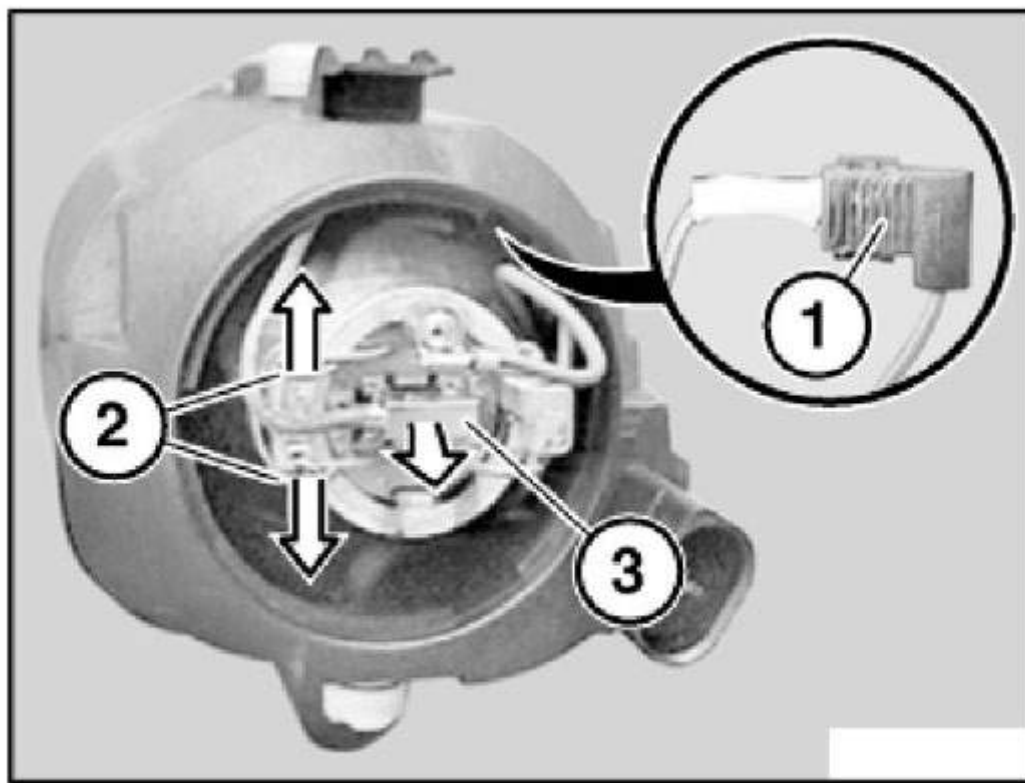
Fig. 22: Identifying Fog Lamp Cover
Courtesy of BMW OF NORTH AMERICA, INC.

Pull plug connection (1) out of housing and disconnect.

Press retainers (2) in direction of arrow and remove bulb (3).

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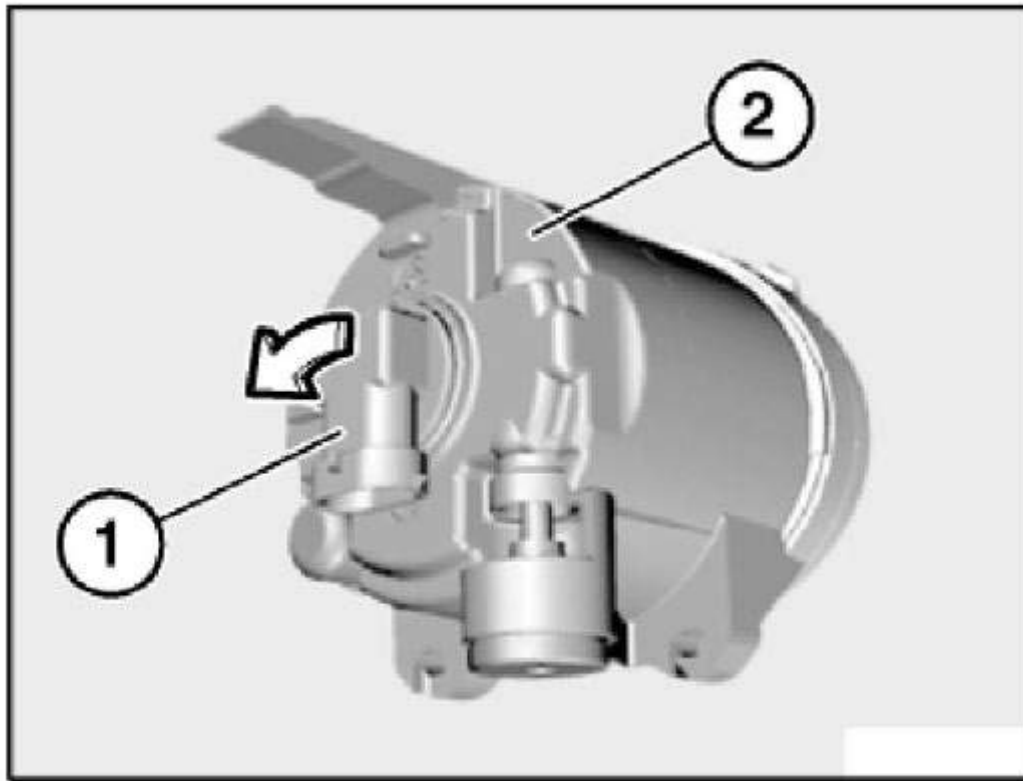


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Fig. 23: Disconnecting Plug Connection
Courtesy of BMW OF NORTH AMERICA, INC.

From 10/2002:

Turn bulb holder (1) in direction of arrow and remove from fog lamp (2).



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Fig. 24: Turning Bulb Holder

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

- Note bulb type. Refer to **63 17 FRONT FOG LAMPS, ADDITIONAL LAMPS E53** .
- Adjust fog lamps. Refer to **63 10 014 ADJUSTING FOG LAMPS** .

REAR LIGHT CLUSTER

63 21 055 REPLACING A SOCKET HOUSING FOR LEFT OR RIGHT REAR LIGHT (SIDE PANEL OR REAR LID)

Side Panel:

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

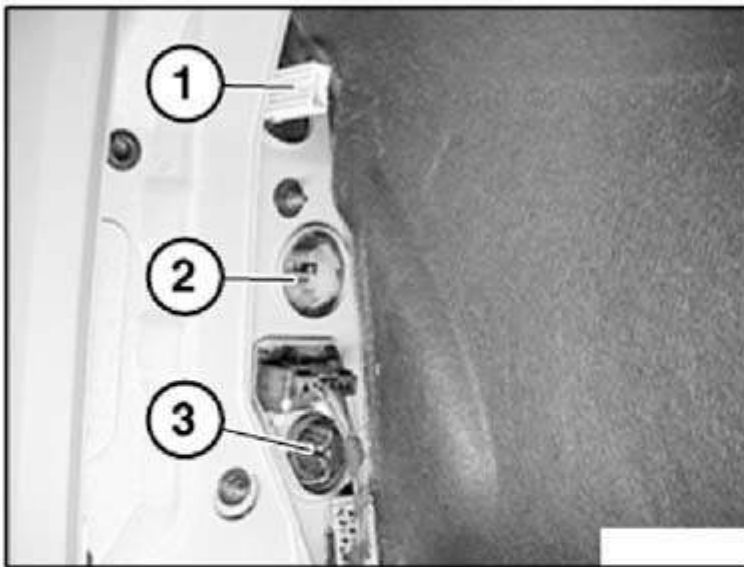
If necessary, fold sound insulation to one side. Refer to **63 21 180 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT TAIL LIGHT** .

Turn socket housing for rear light to be replaced counterclockwise and remove.

Convert bulb, replace if necessary. Refer to **63 99 315 REPLACING LIGHT BULB(S) FOR LEFT OR RIGHT REAR LIGHT** .

NOTE:

1. **Socket housing for turn signal lamp.**
2. **Socket housing for rear light.**
3. **Socket housing for combined brake/rear light.**



1. Socket housing for turn signal lamp
2. Socket housing for rear light
3. Socket housing for combined brake/rear light

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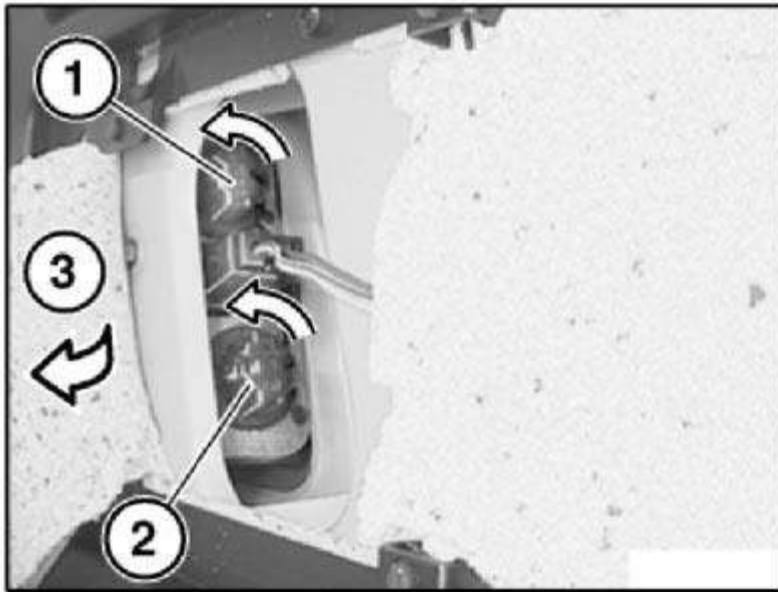
Fig. 25: Identifying Socket Housing For Rear Light
Courtesy of BMW OF NORTH AMERICA, INC.

Rear lid:

Remove insert in lower rear lid section panel. Refer to **63 21 183 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT REAR LIGHT (IN REAR LID LOWER SECTION)** .

Fold back insulating mat (3).

Turn socket housing for rear light to be replaced counterclockwise and remove.



1. Socket housing for fog warning lamp

2. Socket housing for reversing light

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Fig. 26: Folding Back Insulating Mat

Courtesy of BMW OF NORTH AMERICA, INC.

Convert bulb, replace if necessary. Refer to **63 99 315 REPLACING LIGHT BULB(S) FOR LEFT OR RIGHT REAR LIGHT**.

NOTE:

1. Socket housing for fog warning lamp.
2. Socket housing for reversing light.

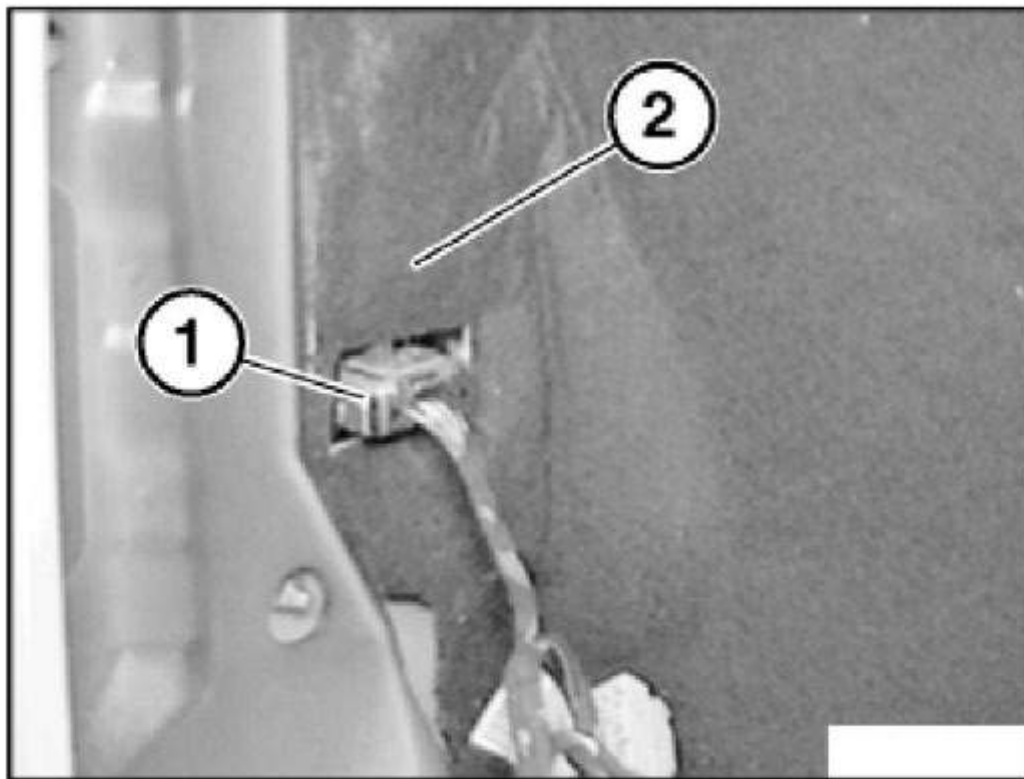
63 21 180 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT TAIL LIGHT

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

NOTE:

For purposes of clarity, illustration shows fixture for CD changer/navigation computer removed. Disconnect plug connection (1) and fold sound insulation

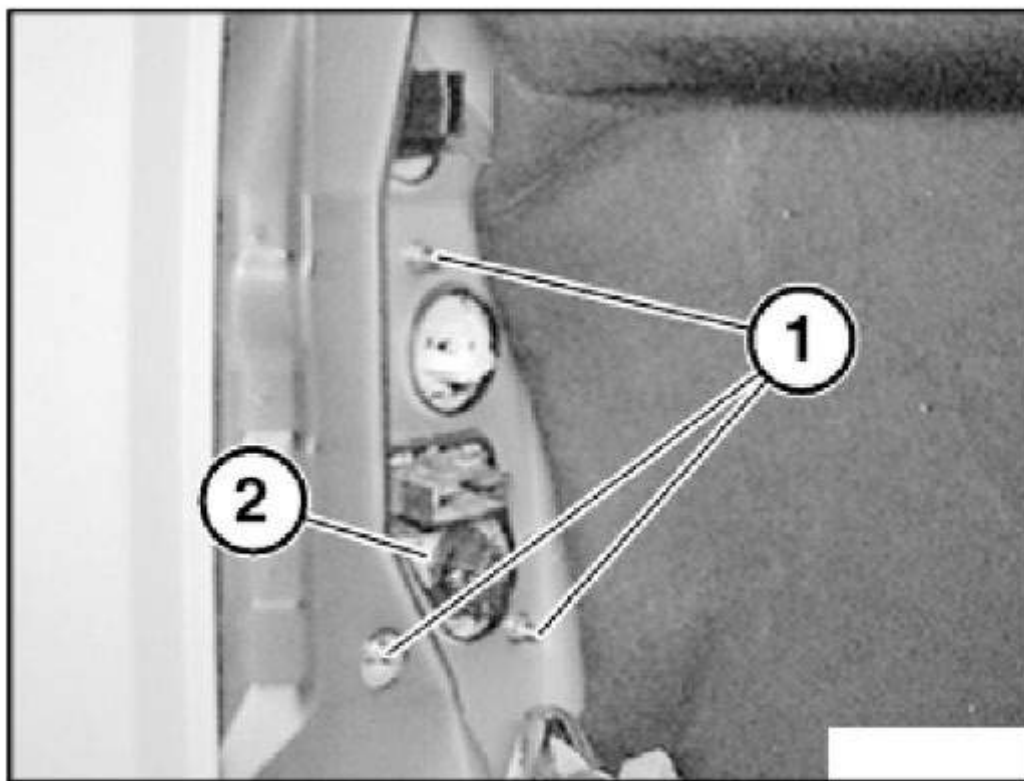
(2) to one side.



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Fig. 27: Disconnecting Plug Connection
Courtesy of BMW OF NORTH AMERICA, INC.

Release nuts (1) and remove rear light (2).



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Fig. 28: Removing Rear Light

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

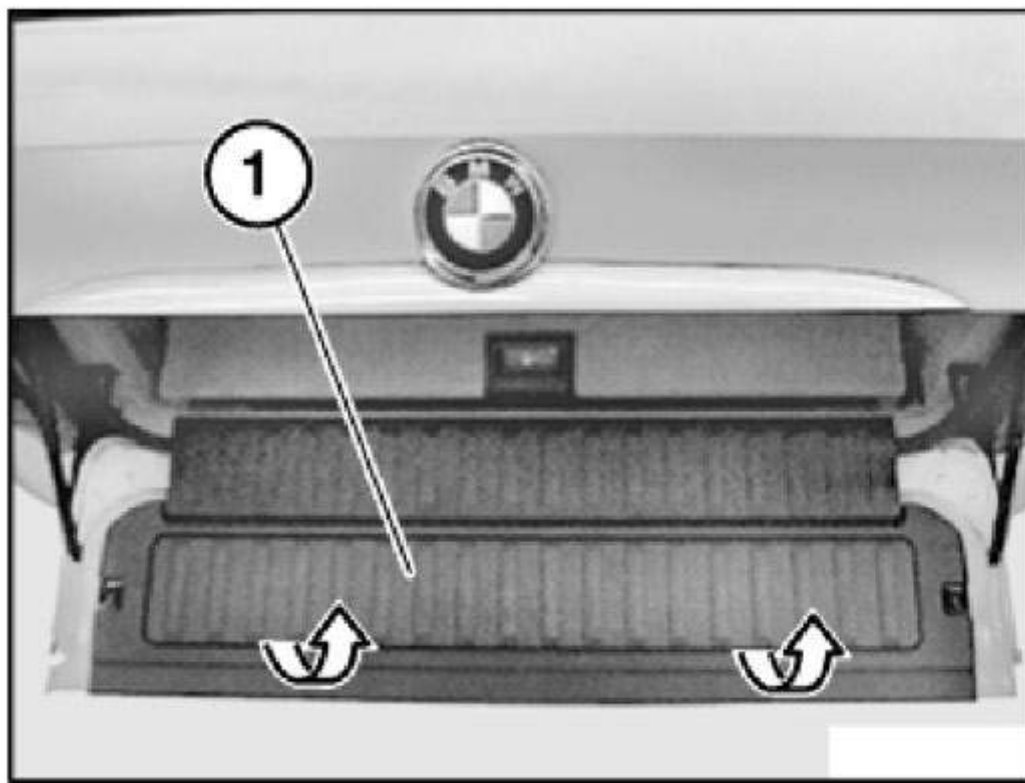
If necessary, replace tail light seal.

63 21 183 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT REAR LIGHT (IN REAR LID LOWER SECTION)

Lever out insert (1) in rear lid lower section panel in direction of arrow and remove.

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i)
M54



G03256634

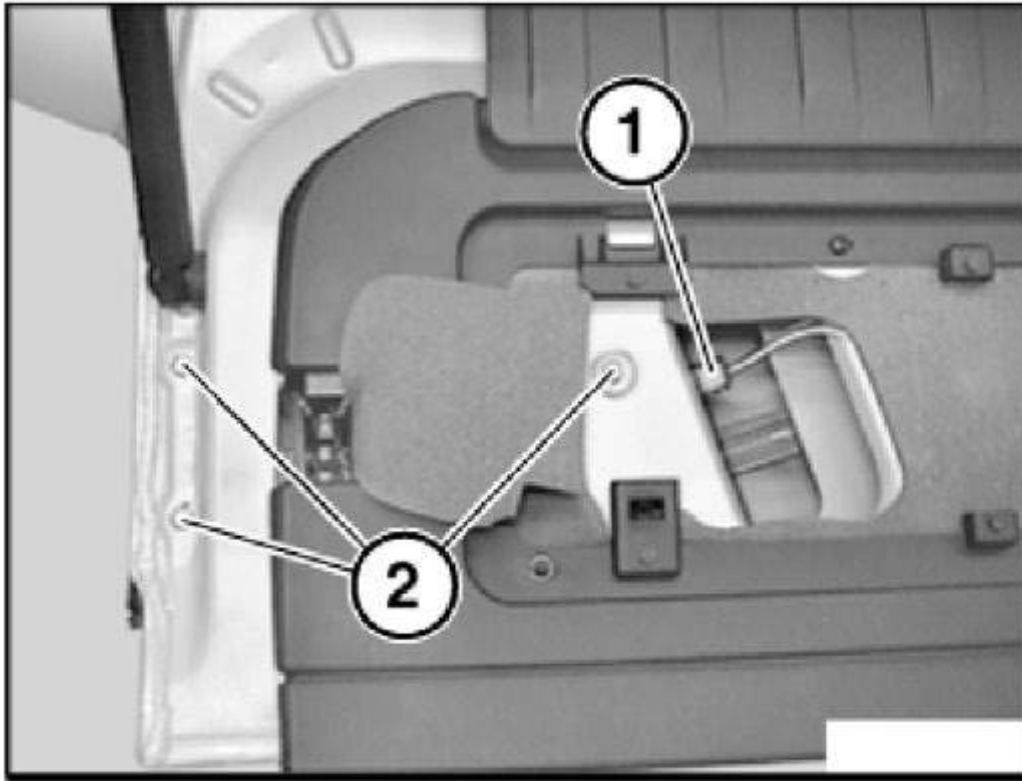
Fig. 29: Removing Insert In Rear Lid

Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: **Secure rear light against falling out.**

Disconnect plug connection (1).

Release screws (2) and remove rear light.



G03256635

Fig. 30: Identifying Rear Light Retaining Screws
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

If necessary, replace tail light seal.

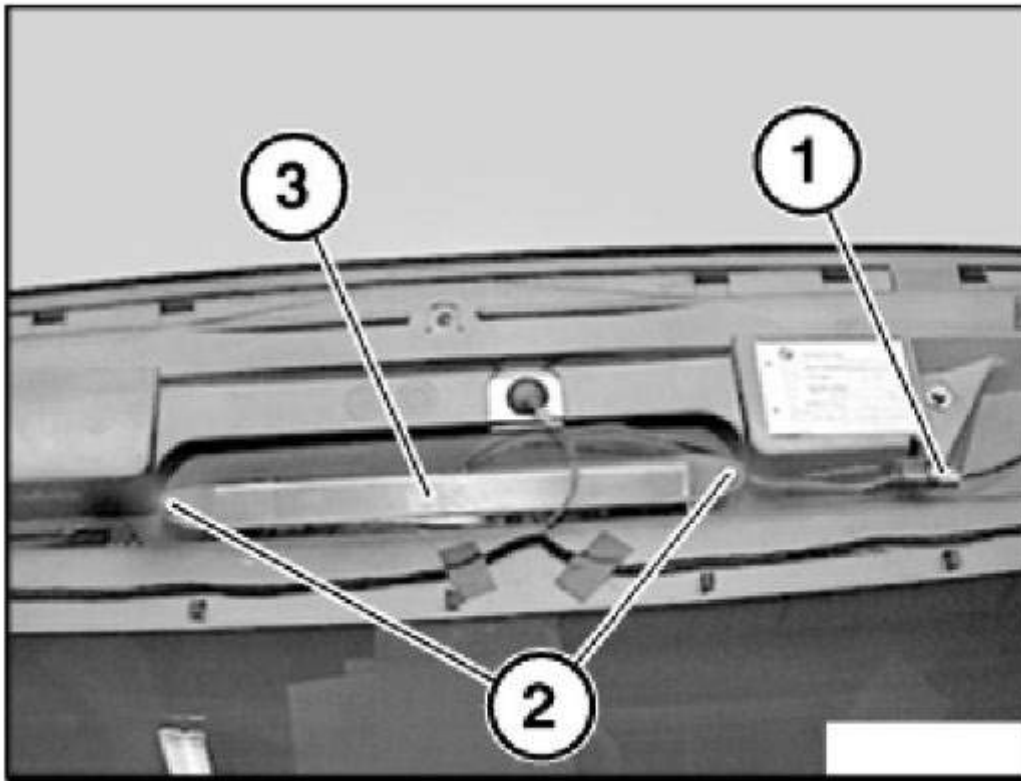
BRAKE LIGHTS

63 25 000 REMOVING AND INSTALLING/REPLACING ADDITIONAL STOP LIGHT

Remove rear spoiler. Refer to **51 71 412 REMOVING AND INSTALLING REAR SPOILER** .

Disconnect plug connection (1) and unclip plug.

Release screws (2) and remove auxiliary brake light (3).



G03256636

Fig. 31: Removing Rear Spoiler

Courtesy of BMW OF NORTH AMERICA, INC.

LICENSE PLATE LIGHTS

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

This operation is described in:

"Replacing handle strip (on rear lid)." Refer to **51 13 403 REPLACING HANDLE STRIP (ON TRUNK LID)** .

INTERIOR LIGHTS

63 31 000 REMOVING AND INSTALLING/REPLACING COMPLETE CEILING LIGHT

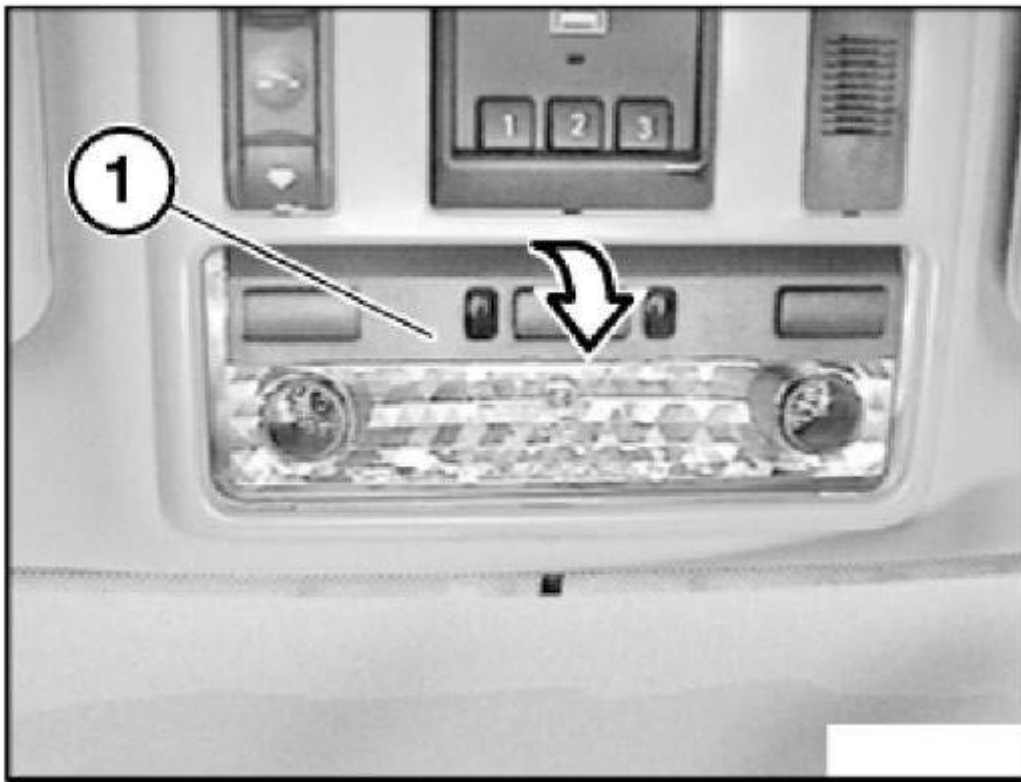
2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i)
M54

Front Ceiling Light:

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

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



G03256637

Fig. 32: Removing Front Ceiling Light
Courtesy of BMW OF NORTH AMERICA, INC.

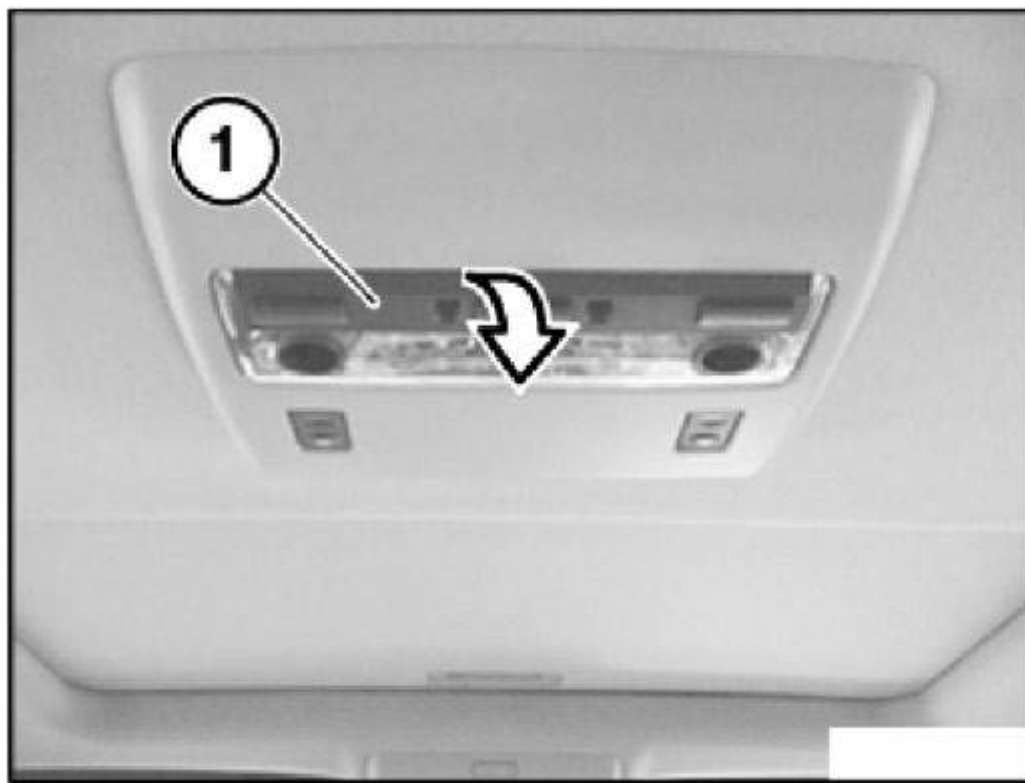
Rear Ceiling Light:

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

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

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i)
M54



G03256638

Fig. 33: Removing Rear Ceiling Light

Courtesy of BMW OF NORTH AMERICA, INC.

63 31 020 REMOVING AND INSTALLING/REPLACING FOOTWELL LIGHT

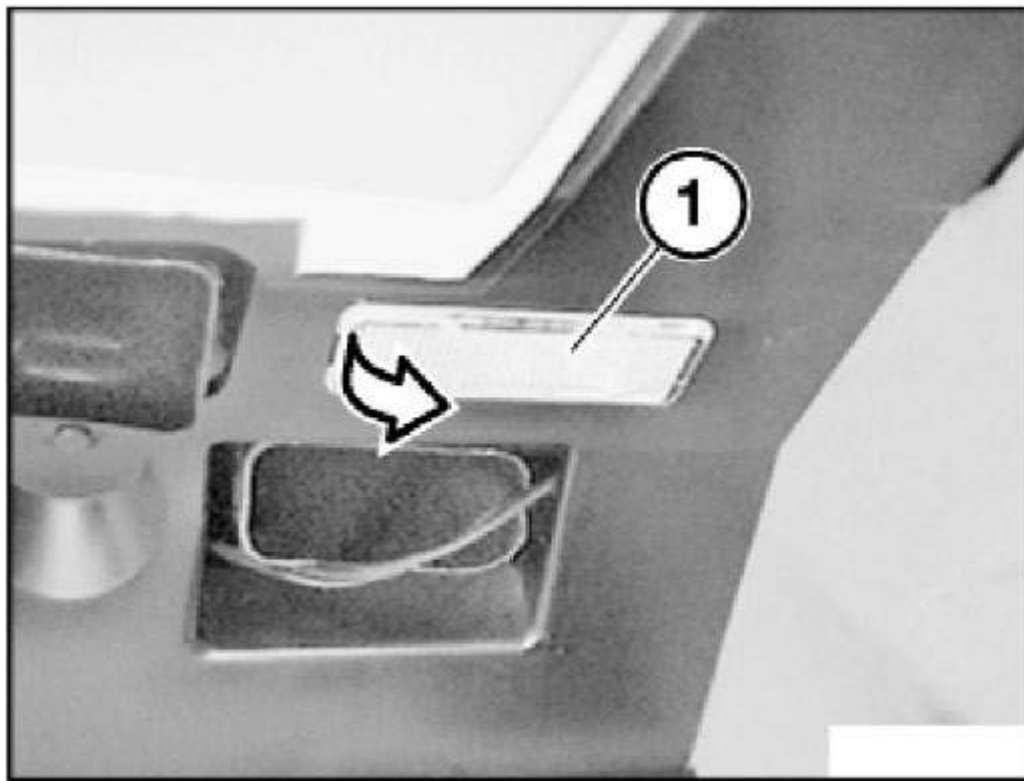
In Footwell:

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

Disconnect plug connection and remove footwell light (1).

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i)
M54



G03256639

Fig. 34: Removing Footwell Light

Courtesy of BMW OF NORTH AMERICA, INC.

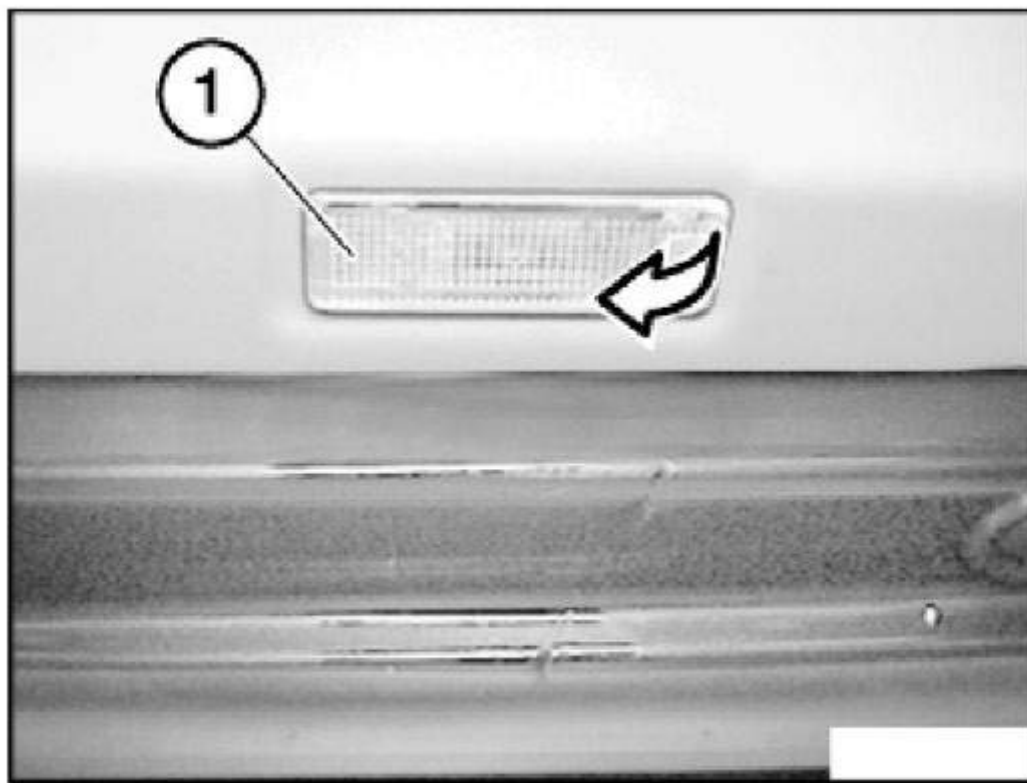
On Bottom Of Door:

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

Disconnect plug connection and remove footwell light (1).

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i)
M54



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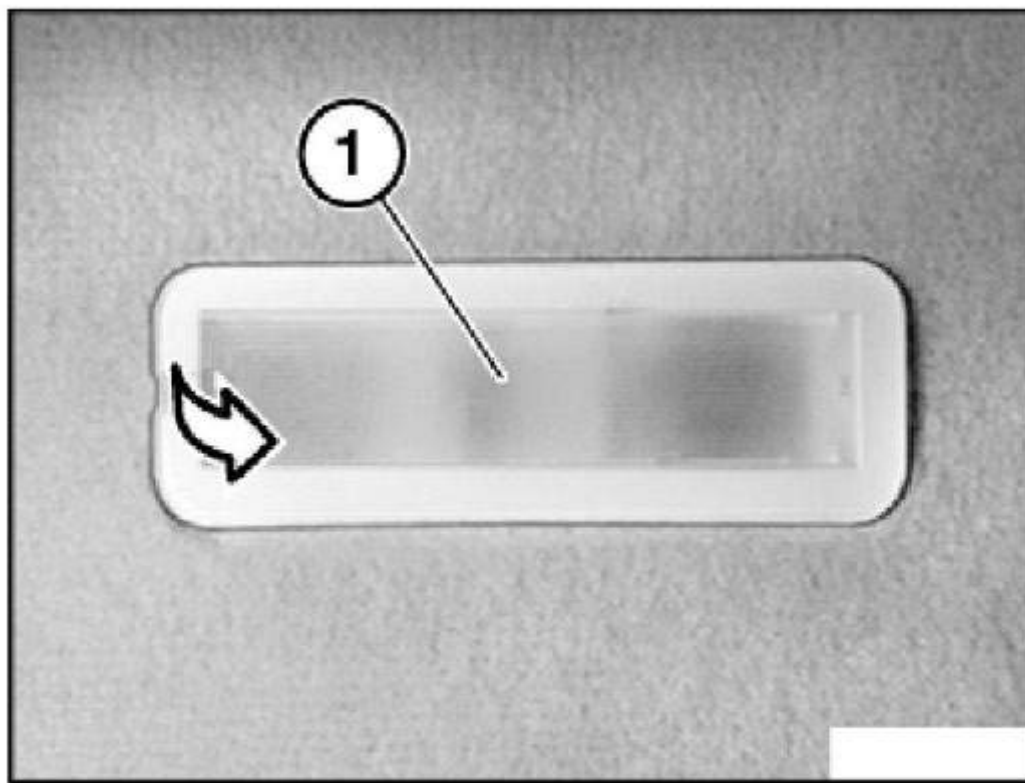
Fig. 35: Removing Footwell Light On Bottom Of Door
Courtesy of BMW OF NORTH AMERICA, INC.

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

Lever out lens cover (1) on opening in direction of arrow.

2001 BMW X5 30i

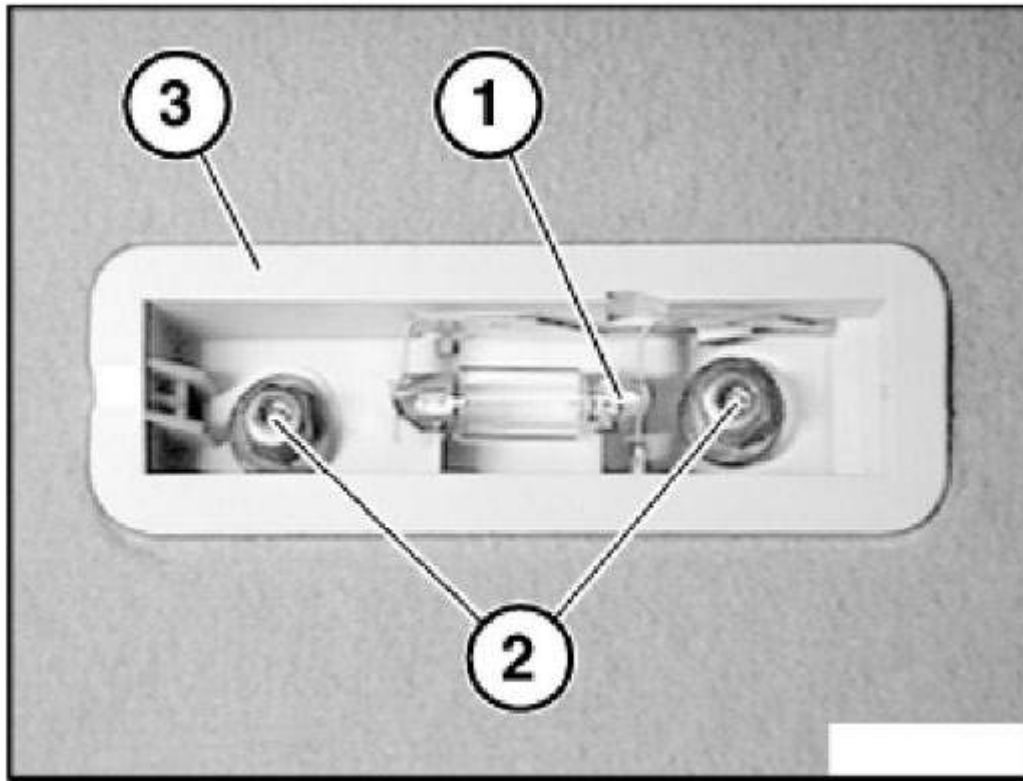
2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i)
M54



G03256641

Fig. 36: Removing Lens Cover
Courtesy of BMW OF NORTH AMERICA, INC.

Lever out bulb (1).



G03256642

Fig. 37: Removing Footwell Light Bulb
Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Do not touch glass part of bulb with bare fingers. Only touch bulb on its base or with a clean cloth or packaging of light bulb. Note type of bulb. Refer to 63 31 INTERIOR LIGHTS E53 .

Release nuts (2) and remove footwell light (3).

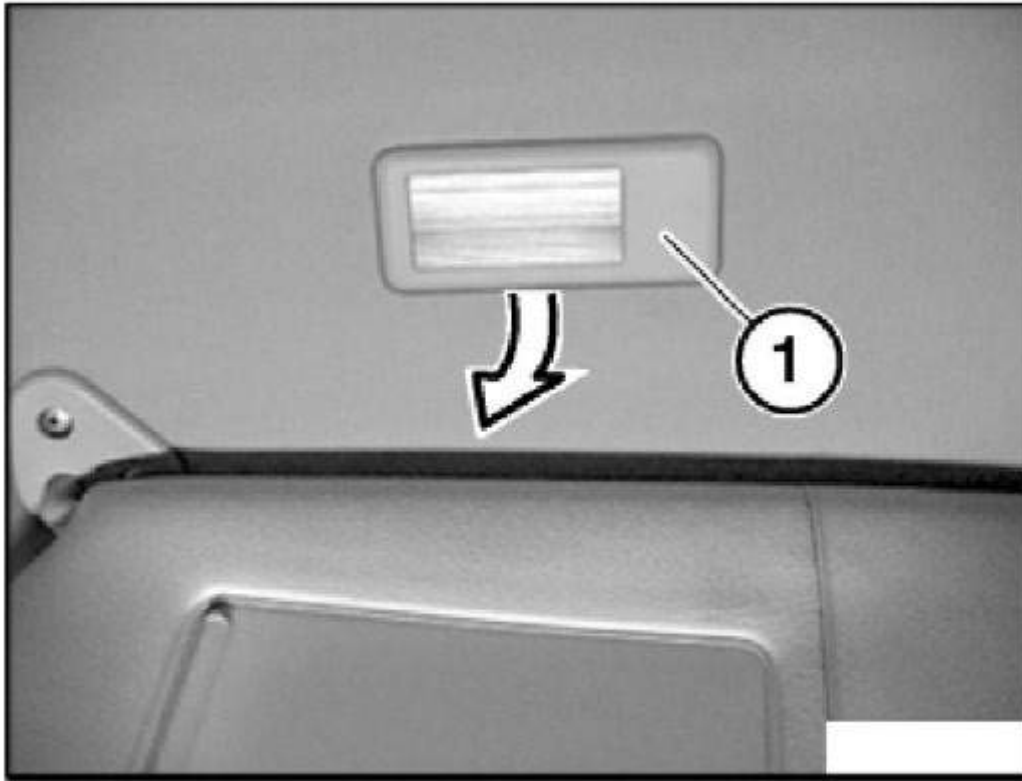
Disconnect plug connection.

63 31 050 REMOVING AND INSTALLING/REPLACING MIRROR LIGHT

IMPORTANT: Follow instructions for handling light bulbs (interior lights). Refer to 63 99 ... INSTRUCTIONS FOR REPLACING LIGHT BULBS (INTERIOR LIGHTS) .
Replacement: If necessary, convert bulb.

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i)
M54



G03256643

Fig. 38: Removing Mirror Light

Courtesy of BMW OF NORTH AMERICA, INC.

Lever front mirror light (1) in direction of arrow.

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

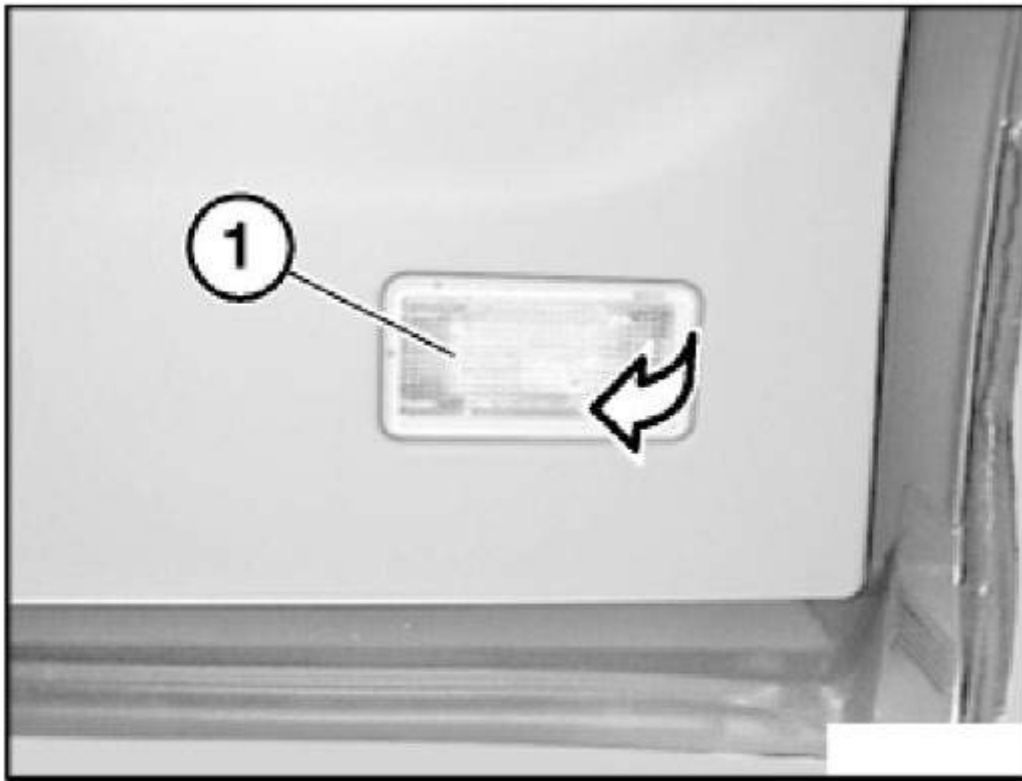
Replacement:

Note type of bulb. Refer to **63 31 INTERIOR LIGHTS E53** .

63 31 080 REMOVING AND INSTALLING/REPLACING LUGGAGE COMPARTMENT LIGHT (IN REAR LID, TOP)

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

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



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

63 31 150 REMOVING AND INSTALLING/REPLACING GLOVEBOX LIGHT

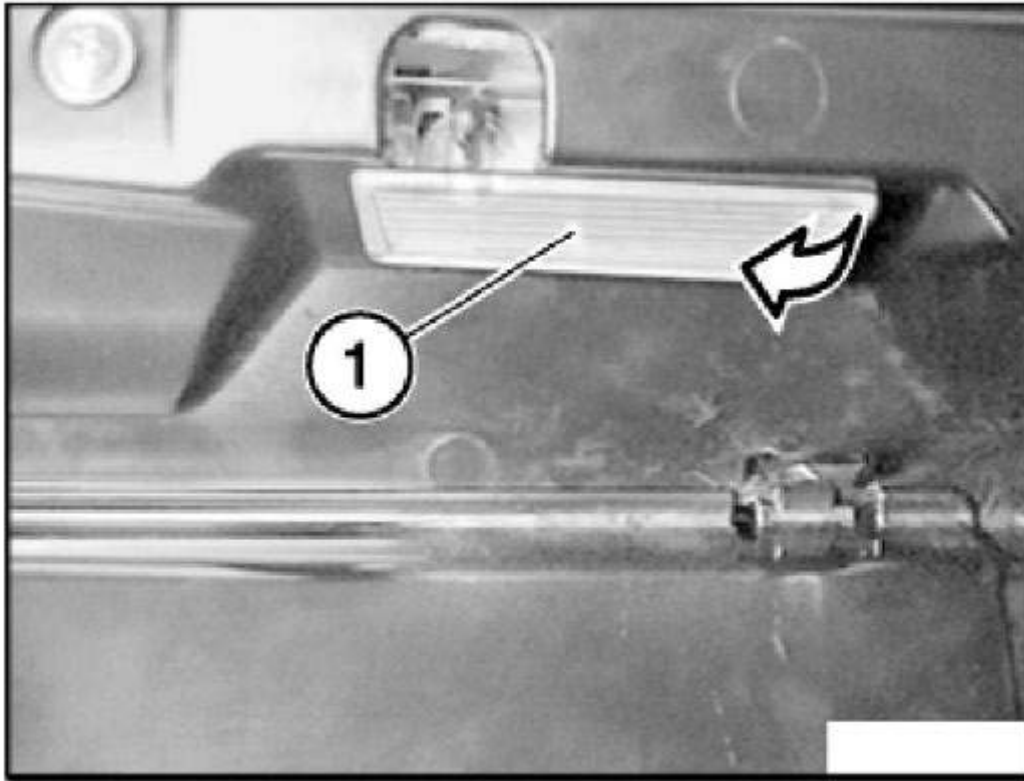
IMPORTANT: Follow instructions for handling light bulbs (interior lights). Refer to 63 99 ... INSTRUCTIONS FOR REPLACING LIGHT BULBS (INTERIOR LIGHTS) .

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

Disconnect plug connection and remove glovebox light (1).

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i) M54



G03256645

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

Replacement:

If necessary, remove bulb.

Note type of bulb. Refer to **63 31 INTERIOR LIGHTS E53** .

LIGHT BULBS

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.

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 99 002 REPLACING HALOGEN BULB FOR HIGH-BEAM HEADLIGHT ON LEFT

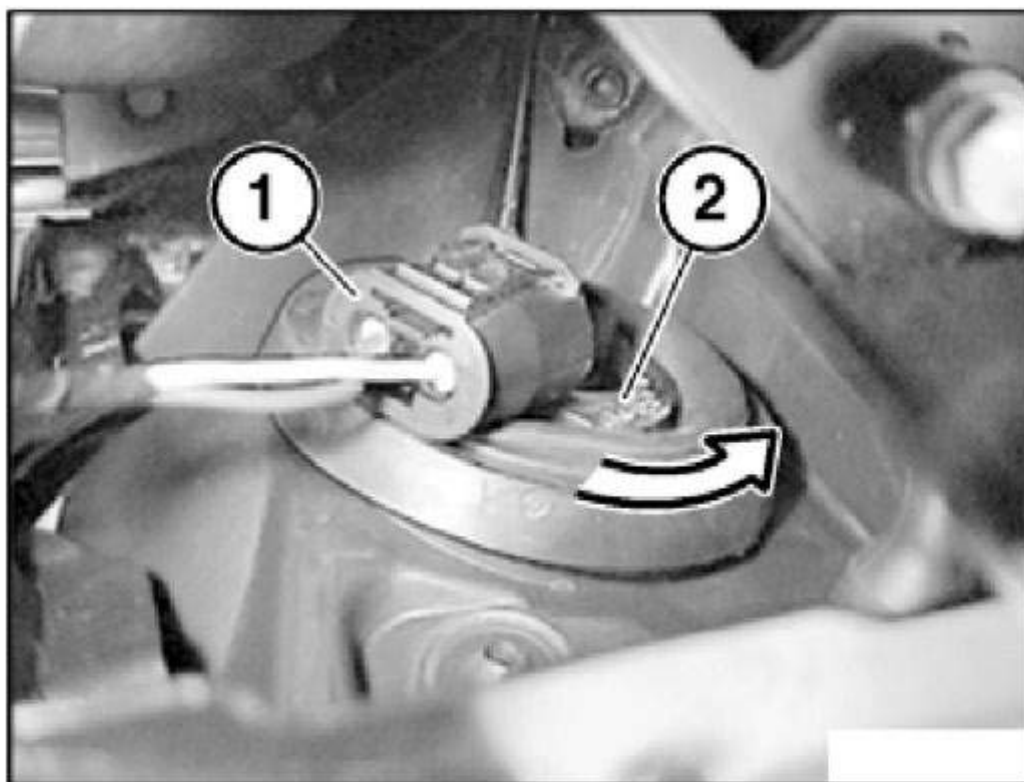
WARNING: Follow instructions for handling light bulbs (exterior lights). Refer to 63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS) .

Up To 10/2003:

Unfasten plug connection (1) and disconnect.

Turn bulb holder (2) approx. 45° in direction of arrow and remove.

Remove bulb.



G03256647

Fig. 41: Removing Bulb Holder

Courtesy of BMW OF NORTH AMERICA, INC.

From 10/2003:

Press catch (1).

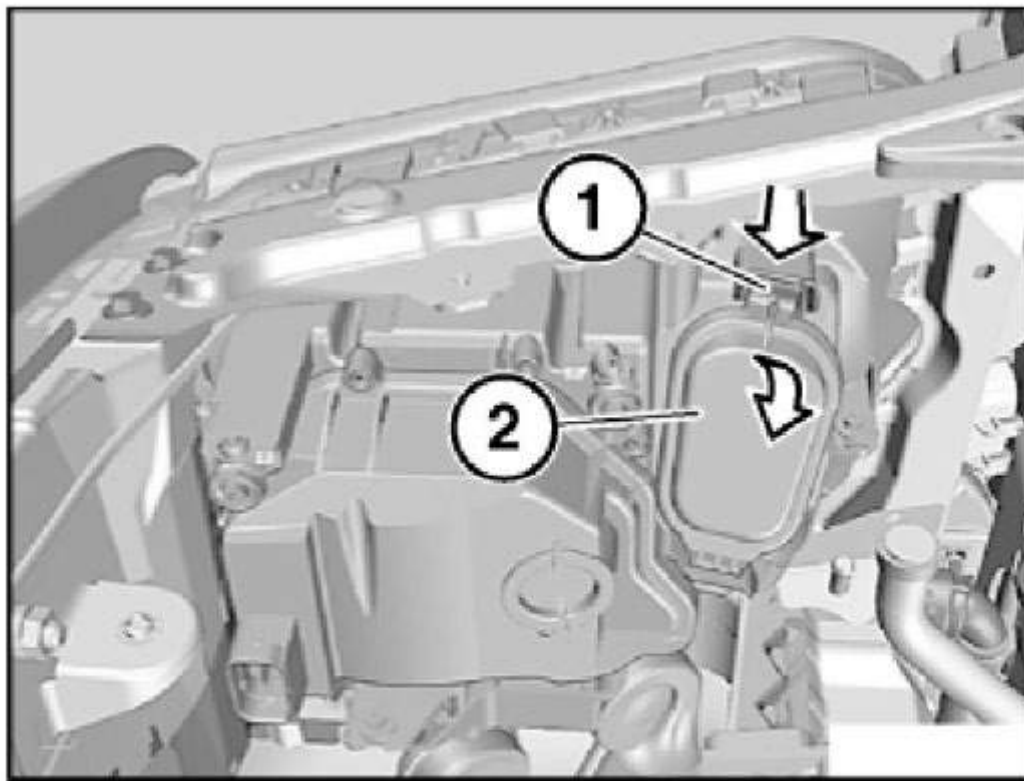
Fold back cover (2) and remove.

Installation:

Make sure seal of cover (2) is correctly seated.

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i) M54



G03256648

Fig. 42: Folding Back Cover
Courtesy of BMW OF NORTH AMERICA, INC.

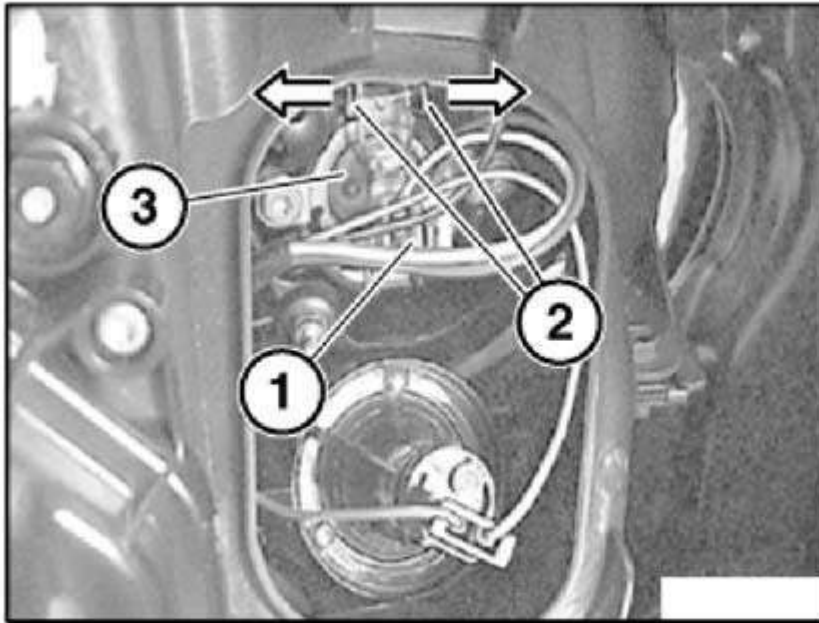
Disconnect plug connection (1).

Press locking clip (2) and expand.

Remove bulb (3).

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i) M54



G03256649

Fig. 43: Pressing Locking Clip

Courtesy of BMW OF NORTH AMERICA, INC.

All:

Installation:

Note type of bulb. Refer to **63 12 HEADLIGHTS, HEADLIGHT ASSEMBLY E53** .

63 99 071 REPLACING HALOGEN-LIGHT BULB FOR LEFT OR RIGHT HEADLIGHT

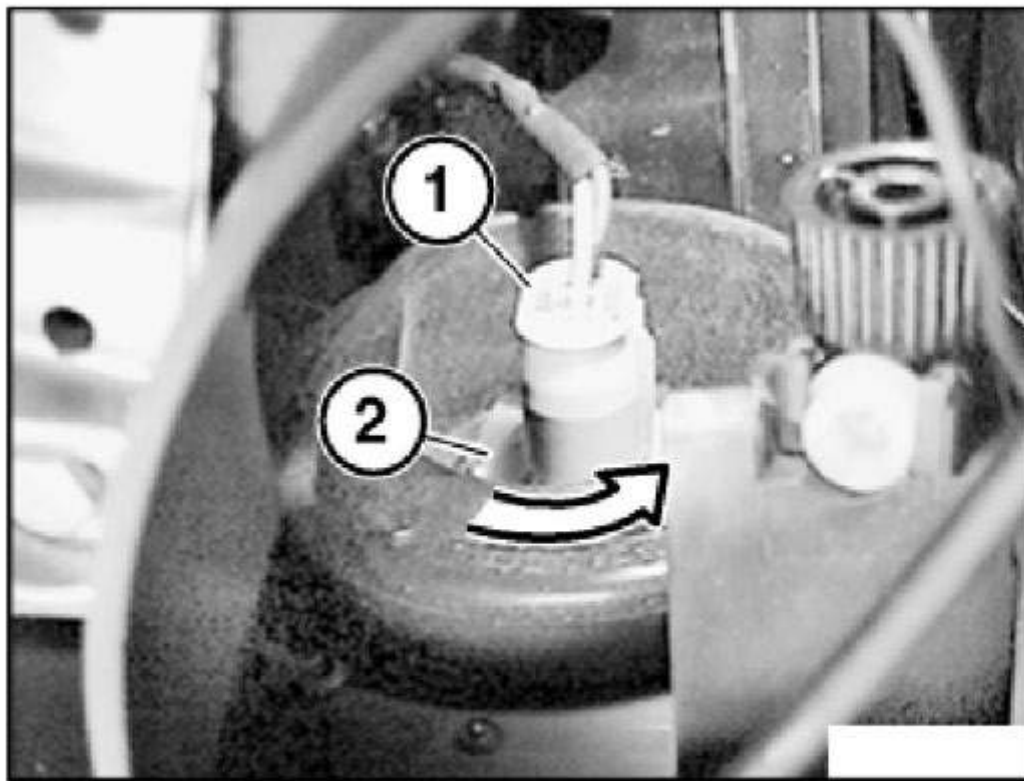
WARNING: Follow instructions for handling light bulbs (exterior lights). Refer to **63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS)** .

Up To 10/2003:

Disconnect plug connection (1).

Turn bulb holder (2) approx. 45° in direction of arrow and remove.

Remove bulb.



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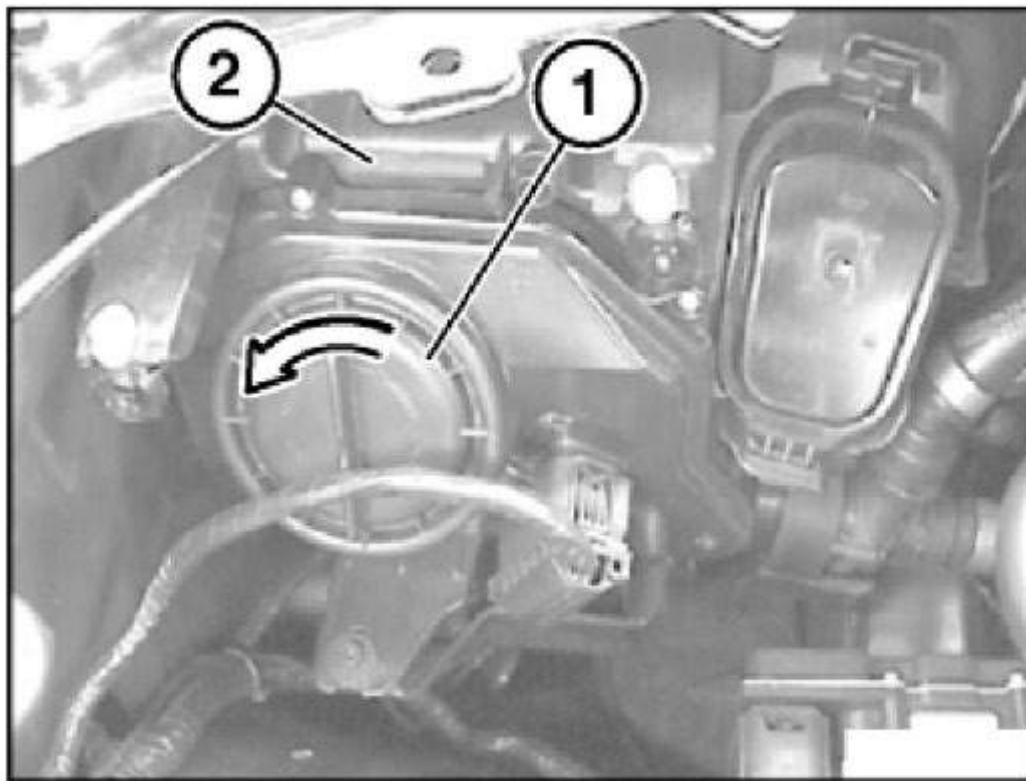
Fig. 44: Disconnecting Plug Connection
Courtesy of BMW OF NORTH AMERICA, INC.

From 10/2003:

Turn cover (1) in direction of arrow and remove from headlight (2).

Installation:

Make sure seal of cover (1) is correctly seated.



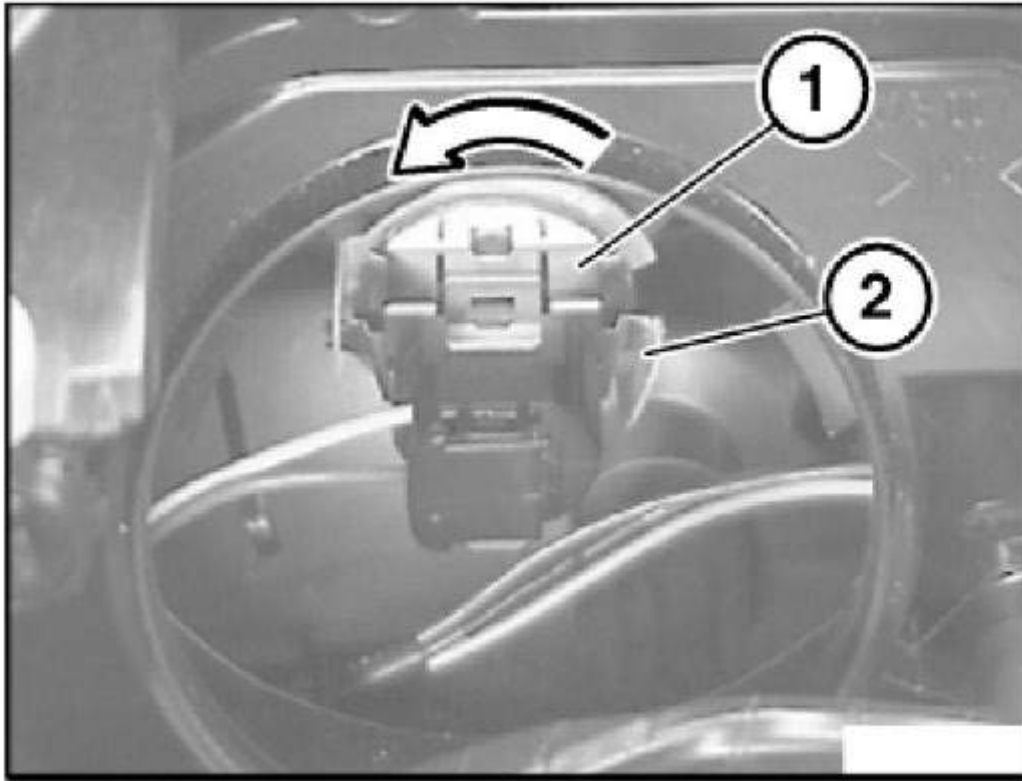
G03256651

Fig. 45: Checking Seal Of Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Turn bulb holder (1) in direction of arrow and remove towards rear from carrier (2).

Detach bulb from bulb holder (1).



G03256652

Fig. 46: Detaching Bulb From Bulb Holder
Courtesy of BMW OF NORTH AMERICA, INC.

All:

Installation:

Note type of bulb. Refer to **63 12 HEADLIGHTS, HEADLIGHT ASSEMBLY E53** .

63 99 076 REPLACING BULB FOR LEFT XENON HEADLIGHT

WARNING: Follow instructions for handling light bulbs (exterior lights). Refer to **63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS)** .

Necessary Preliminary Tasks:

- **M54 Only:** Remove suction filter housing. Refer to **13 71 000 REMOVING AND INSTALLING**

INTAKE FILTER HOUSING (M54) .

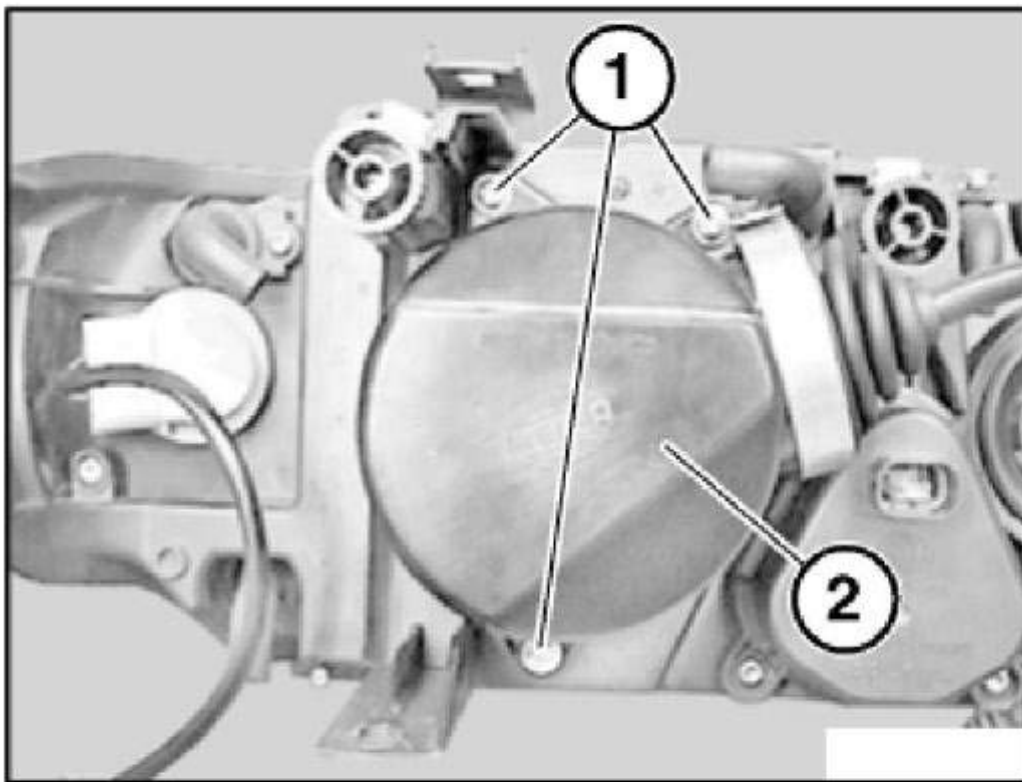
Up To 10/2003:

NOTE: For purposes of clarity, illustration shows component removed.

Release screws (1) and remove protective cap (2).

Installation:

If necessary, replace seal of protective cap (2).



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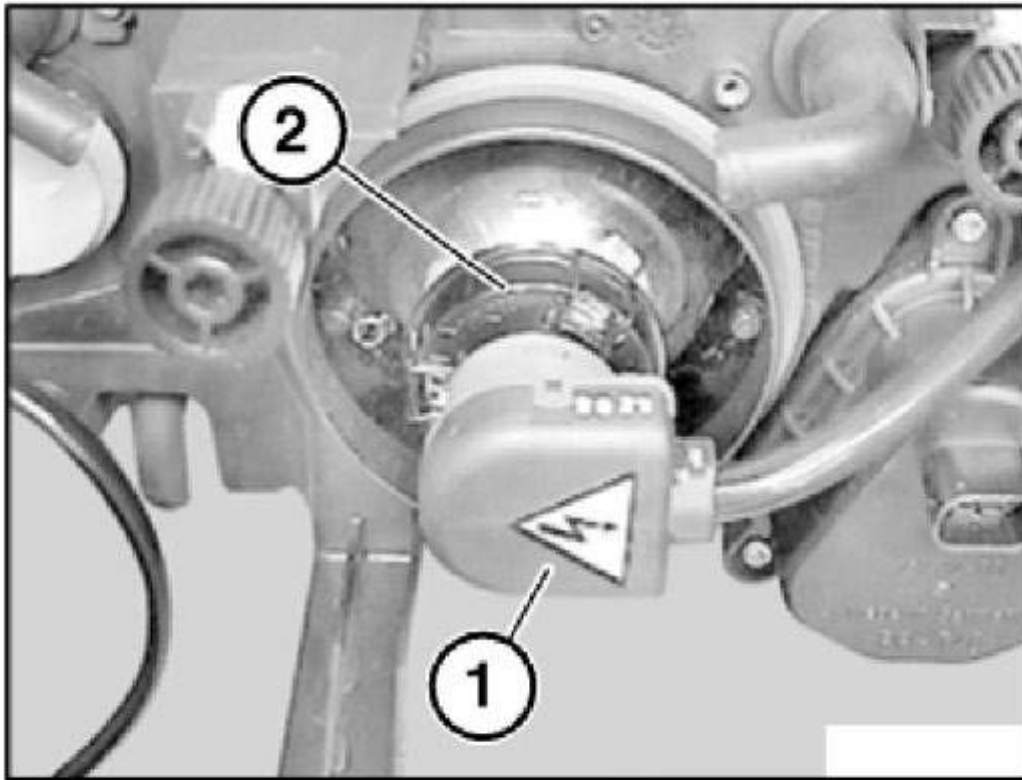
Fig. 47: Removing Protective Cap

Courtesy of BMW OF NORTH AMERICA, INC.

Turn ignition unit plug connection (1) counterclockwise through approx. 45° and disconnect.

Turn snap ring (2) counterclockwise through approx. 45°

Remove lamp for xenon light.



G03256656

Fig. 48: Turning Snap Ring

Courtesy of BMW OF NORTH AMERICA, INC.

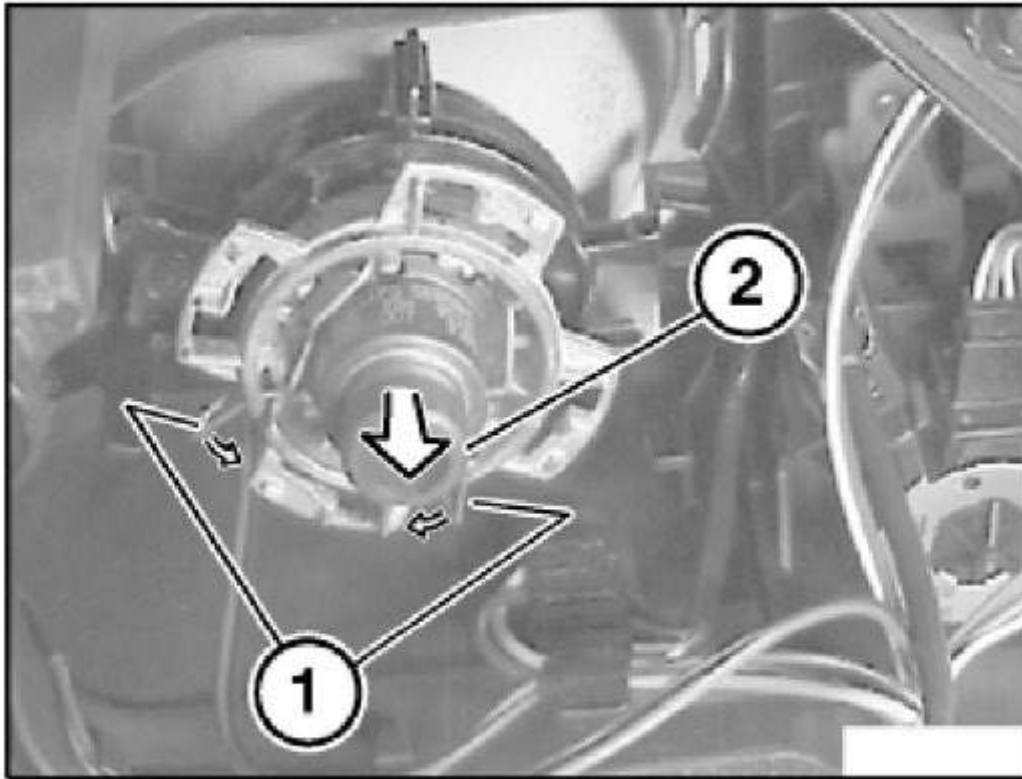
From 10/2003:

Necessary Preliminary Tasks:

- Release ignition unit for left xenon headlight. Refer to **63 12 870 REPLACING IGNITION UNIT FOR LEFT XENON HEADLIGHT (FROM 10/2003)** .

Press locking clip (1) and open in direction of arrow.

Remove bulb for xenon headlight (2) in direction of arrow.



G03256657

Fig. 49: Removing Xenon Headlight Bulb
Courtesy of BMW OF NORTH AMERICA, INC.

All:

Installation:

Note type of bulb. Refer to **63 12 HEADLIGHTS, HEADLIGHT ASSEMBLY E53** .

63 99 077 REPLACING BULB FOR RIGHT XENON HEADLIGHT

Necessary Preliminary Tasks:

Subsequent work is described in:

"Replacing bulb for left xenon headlight". Refer to **63 99 076 REPLACING BULB FOR LEFT XENON HEADLIGHT** .

63 99 140 REPLACING BULB FOR SIDE MARKER LAMP, FRONT LEFT

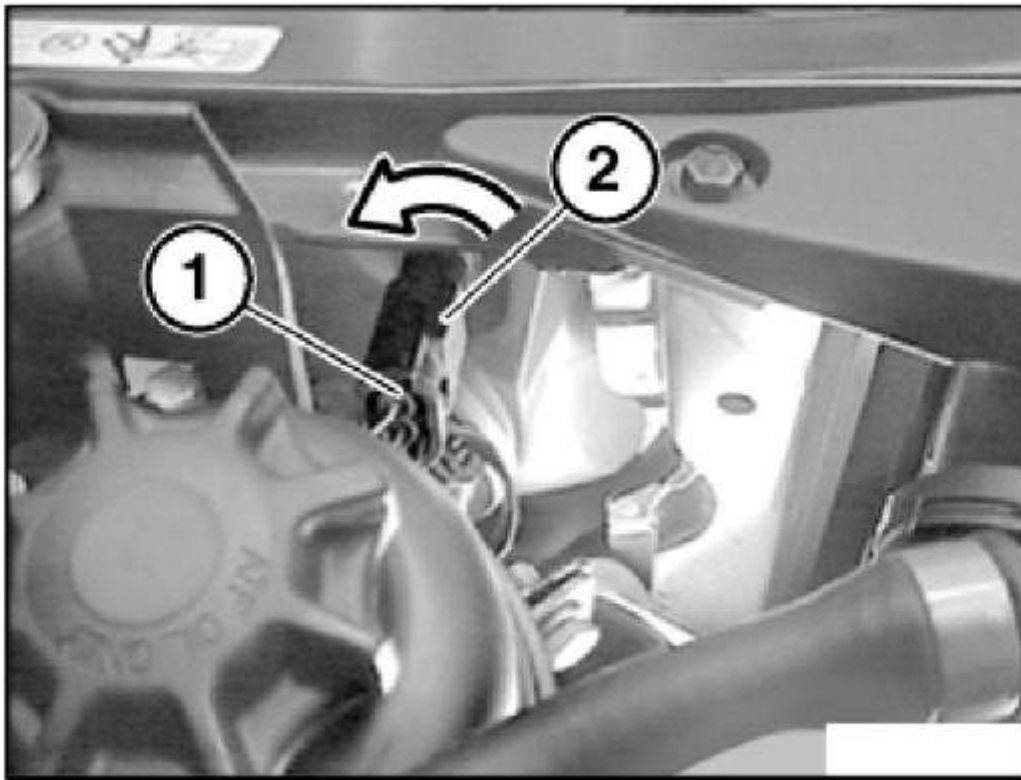
WARNING: Follow instructions for handling light bulbs (exterior lights). Refer to 63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS) .

EUR Only Up To 10/2003:

If necessary, disconnect plug connection (1).

Turn bulb holder (2) through approx. 90° in direction of arrow and remove.

Pull bulb for side marker lamp out of bulb holder (2).



G03256658

Fig. 50: Turning Bulb Holder

Courtesy of BMW OF NORTH AMERICA, INC.

All From 10/2003:

2001 BMW X5 30i

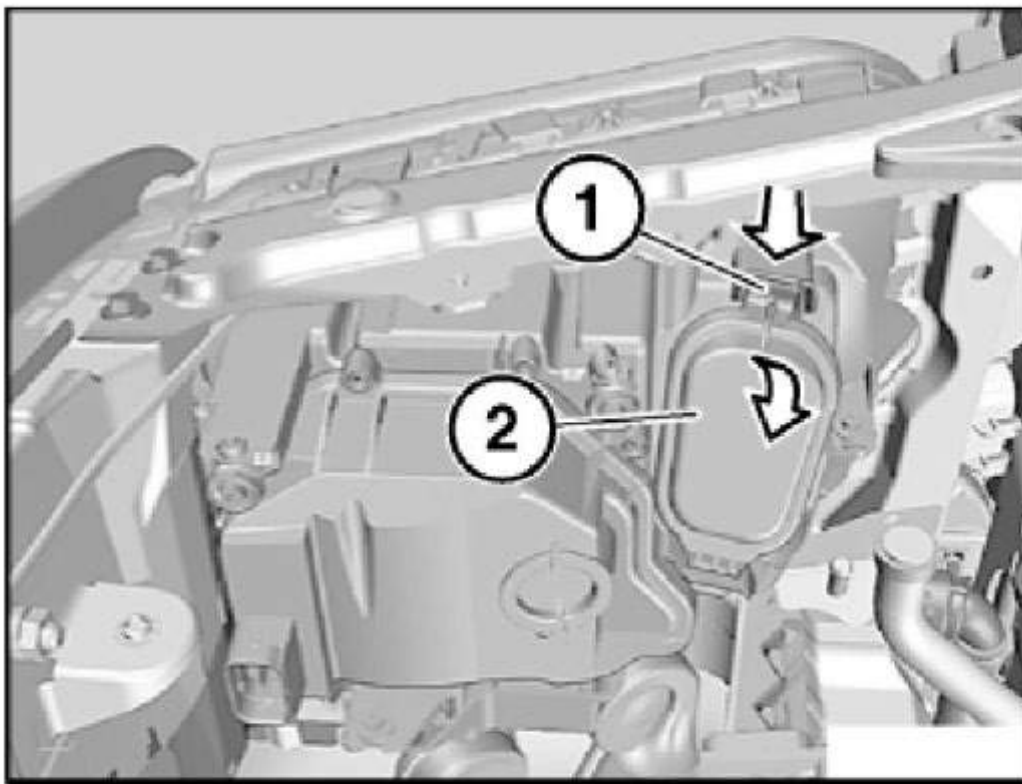
2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i) M54

Press catch (1).

Fold back cover (2) and remove.

Installation:

Make sure seal of cover (2) is correctly seated.



G03256660

Fig. 51: Folding Back Cover

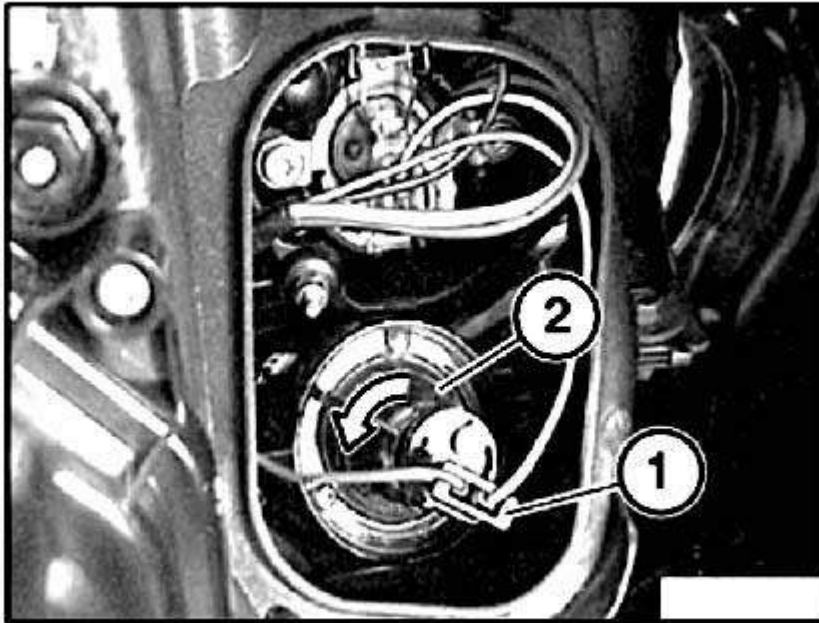
Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection (1).

Turn bulb for side marker lamp (2) in direction of arrow and remove.

Installation:

Make sure sealing ring is correctly seated.



G03256661

Fig. 52: Removing Bulb For Side Marker Lamp
Courtesy of BMW OF NORTH AMERICA, INC.

All:

Installation:

Note type of bulb. Refer to **63 12 HEADLIGHTS, HEADLIGHT ASSEMBLY E53** .

63 99 141 REPLACING BULB FOR SIDE MARKER LAMP, FRONT RIGHT

This operation is described in:

"Replacing bulb for side marker lamp, front left". Refer to **63 99 140 REPLACING BULB FOR SIDE MARKER LAMP, FRONT LEFT** .

63 99 145 REPLACING BULB FOR SIDE MARKER LAMP, FRONT LEFT (IN TURN INDICATOR)

This operation is described in:

"Replacing bulb for turn indicator, front left". Refer to **63 99 273 REPLACING BULB FOR TURN INDICATOR, FRONT LEFT** .

63 99 201 REPLACING HALOGEN BULB FOR FOG LAMP INSERT, LEFT OR RIGHT

2001 BMW X5 30i

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This operation is described in:

"Replacing left or right fog light". Refer to **63 17 061 REPLACING LEFT OR RIGHT FOG LAMP** .

63 99 273 REPLACING BULB FOR TURN INDICATOR, FRONT LEFT

WARNING: Follow instructions for handling light bulbs (exterior lights). Refer to **63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS)** .

Necessary Preliminary Tasks:

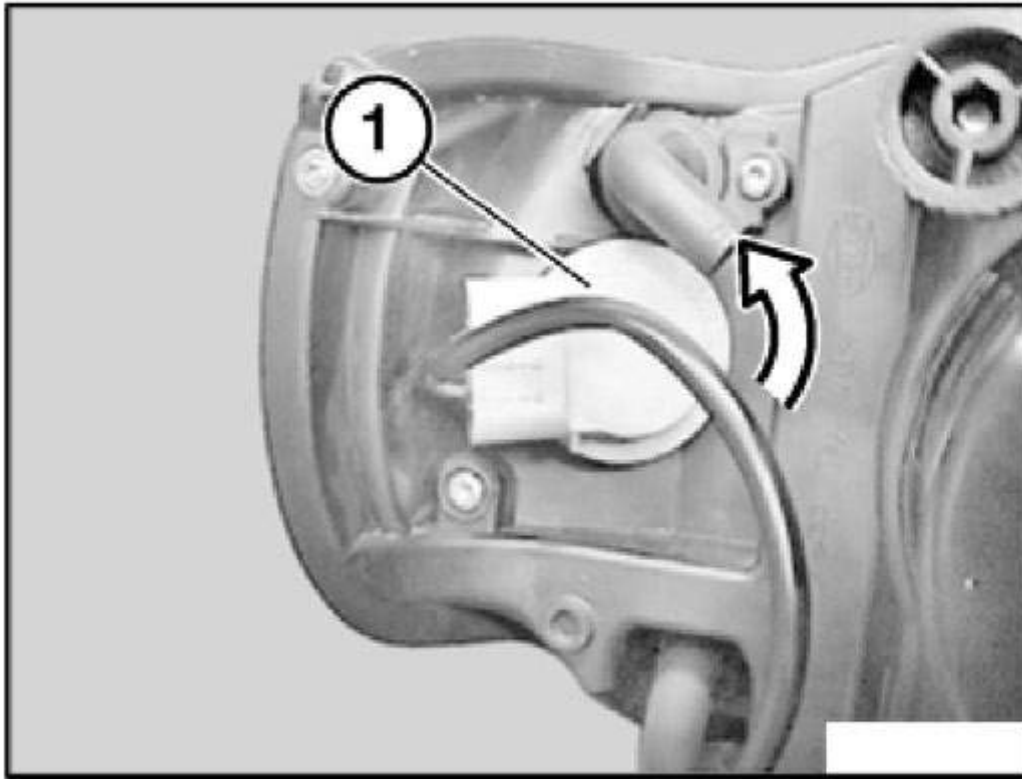
- Remove headlight. Refer to **63 12 001 REMOVING AND INSTALLING/REPLACING LEFT HEADLIGHT** or **63 12 010 REMOVING AND INSTALLING LEFT HEADLIGHT (XENON HEADLIGHT)** or **63 12 015 REMOVING AND INSTALLING LEFT HEADLIGHT (ADAPTIVE HEADLIGHT)** .

Turn bulb holder (1) through approx. 90° in direction of arrow and remove.

Pull bulb out of holder (1).

Installation:

Note type of bulb. Refer to **63 13 TURN SIGNALS E53** .



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Fig. 53: Pulling Bulb Out Of Holder

Courtesy of BMW OF NORTH AMERICA, INC.

63 99 275 REPLACING BULB FOR TURN INDICATOR, FRONT RIGHT

This operation is described in:

"Replacing bulb for turn indicator, front left". Refer to **63 99 273 REPLACING BULB FOR TURN INDICATOR, FRONT LEFT** .

63 99 295 REPLACING BULB FOR AUXILIARY TURN INDICATOR LIGHT, FRONT LEFT OR RIGHT

Remove and install/replace auxiliary turn indicator light, front left or right. Refer to **63 13 200 REMOVING AND INSTALLING/REPLACING FRONT LEFT OR RIGHT AUXILIARY TURN INDICATOR LIGHT** .

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

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i) M54

Necessary Preliminary Tasks:

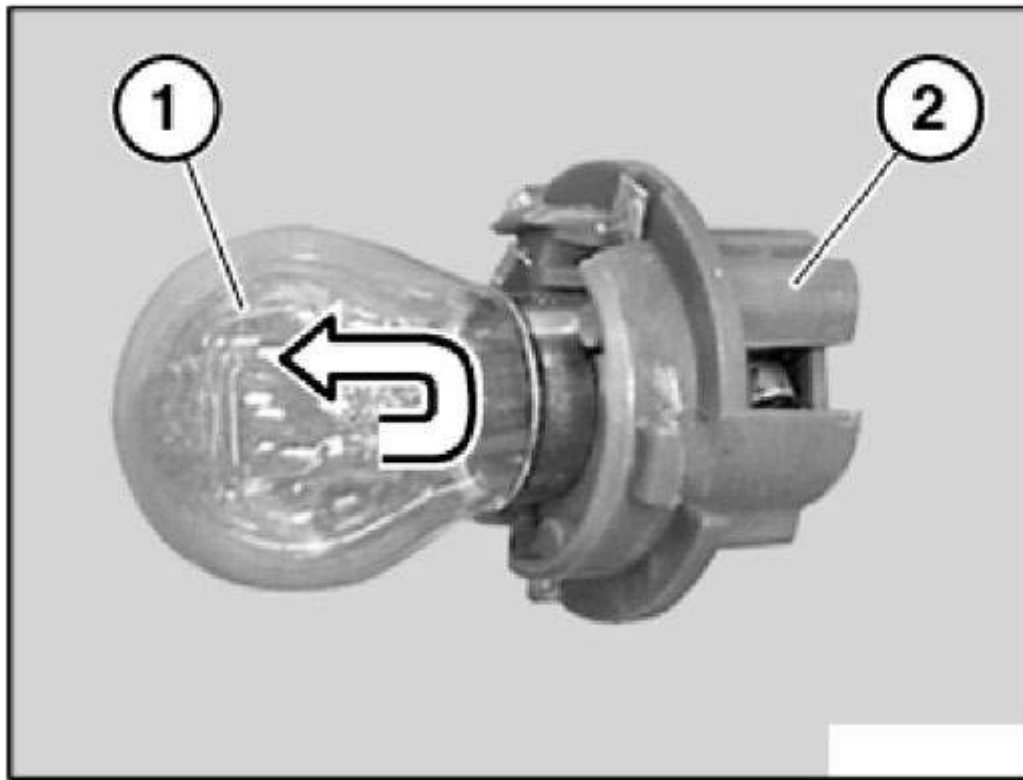
- Remove socket housing for rear light. Refer to **63 21 055 REPLACING A SOCKET HOUSING FOR LEFT OR RIGHT REAR LIGHT (SIDE PANEL OR REAR LID)** .

WARNING: Follow instructions for handling light bulbs (exterior lights). Refer to **63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS)** .

Remove faulty bulb (1) in direction of arrow from socket housing (2).

Installation:

Note type of bulb. Refer to **63 21 REAR LIGHT UNIT E53** .



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Fig. 54: Removing Rear Light Bulb
Courtesy of BMW OF NORTH AMERICA, INC.

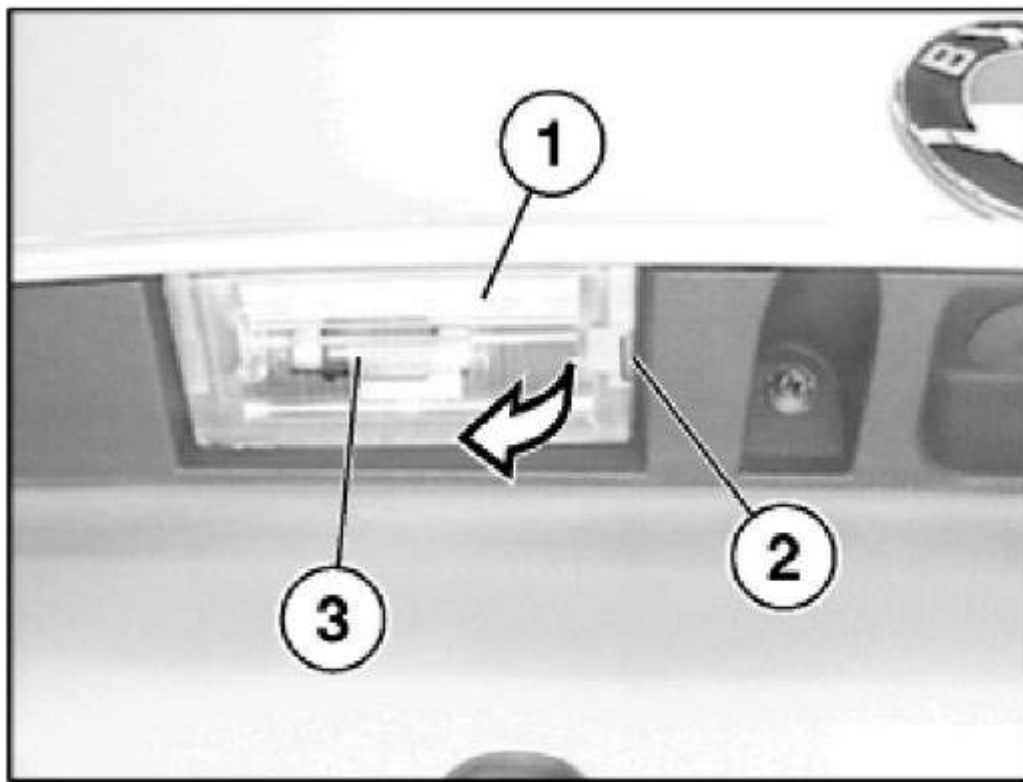
63 99 401 REPLACING BULB FOR LEFT OR RIGHT LICENSE PLATE LIGHT

WARNING: Follow instructions for handling light bulbs (exterior lights). Refer to 63 99 ... INSTRUCTIONS FOR HANDLING LIGHT BULBS (EXTERIOR LIGHTS) .

Lever out lens (1) on left or right from opening (2) and remove.

Lever out bulb (3).

NOTE: Note type of bulb. Refer to 63 26 LICENSE PLATE LIGHTS E53 .



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Fig. 55: Removing License Plate Light Lens
Courtesy of BMW OF NORTH AMERICA, INC.

63 99 431 REPLACING LIGHT BULB(S) FOR CEILING LIGHT

2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i)
M54

CAUTION: Follow instructions for handling light bulbs (interior lights). Refer to 63 99 ... INSTRUCTIONS FOR REPLACING LIGHT BULBS (INTERIOR LIGHTS) .

Version With Inside Reading Lamps:

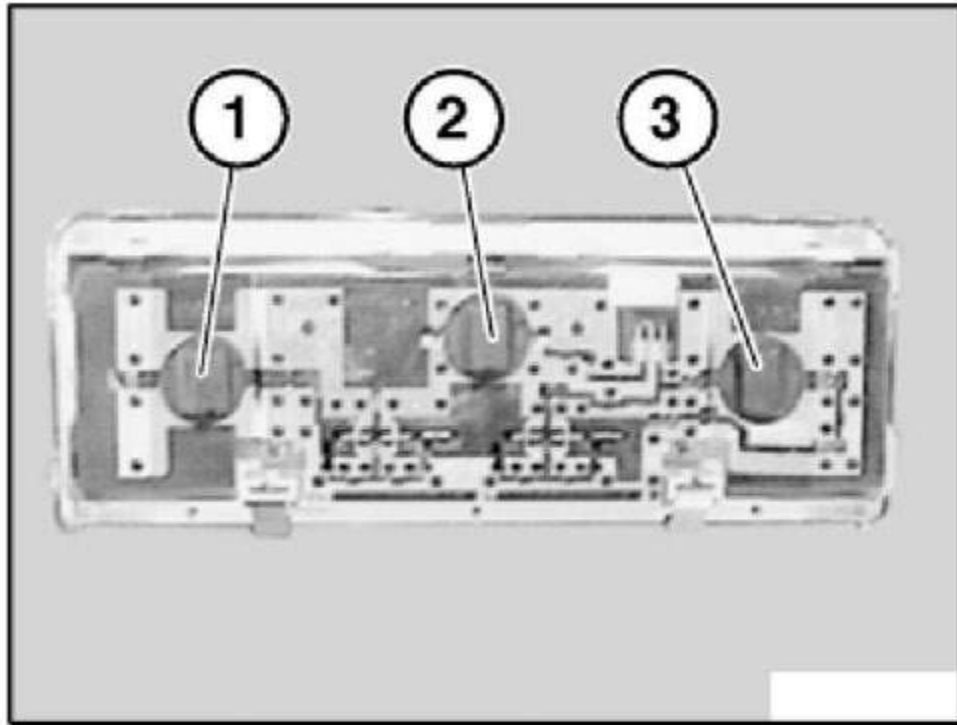
Remove complete ceiling light (with inside reading lamps). Refer to 63 31 000 REMOVING AND INSTALLING/REPLACING COMPLETE CEILING LIGHT .

Turn socket housing for bulb counterclockwise and remove.

Remove bulb.

NOTE:

1. Socket housing for left inside reading lamp.
2. Socket housing for ceiling light.
3. Socket housing for right inside reading lamp.



1. Socket housing for left inside reading lamp
2. Socket housing for ceiling light
3. Socket housing for right inside reading lamp

G03256665

Fig. 56: Identifying Socket Housing
Courtesy of BMW OF NORTH AMERICA, INC.

Version Without Inside Reading Lamps:

Remove complete ceiling light (without inside reading lamps).

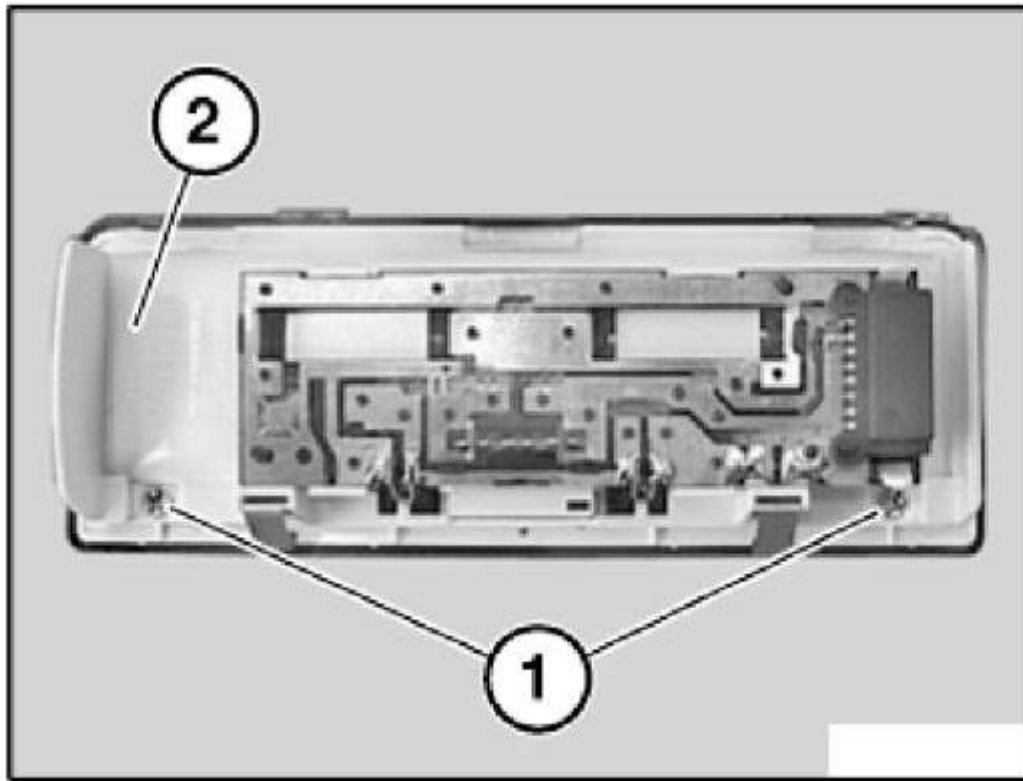
Loosen screws (1).

Remove ceiling light (2) from lens underneath.

Remove bulb(s).

2001 BMW X5 30i

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G03256666

Fig. 57: Removing Ceiling Light Lens Retaining Screws

Courtesy of BMW OF NORTH AMERICA, INC.

All:

Installation:

Note type of bulb. Refer to **63 31 INTERIOR LIGHTS E53** .

63 99 438 REPLACING BULB FOR FOOTWELL LIGHT (ON FLOOR TRIM PANEL, REAR)

Remove and install/replace footwell light (on floor trim panel, rear). Refer to **63 31 023 REMOVING AND INSTALLING/REPLACING FOOTWELL LIGHT (ON FLOOR TRIM PANEL, REAR)** .

63 99 445 REPLACING BULB(S) FOR MIRROR LIGHT

CAUTION: Follow instructions for handling light bulbs (interior lights). Refer to **63 99 ... INSTRUCTIONS FOR REPLACING LIGHT BULBS (INTERIOR**

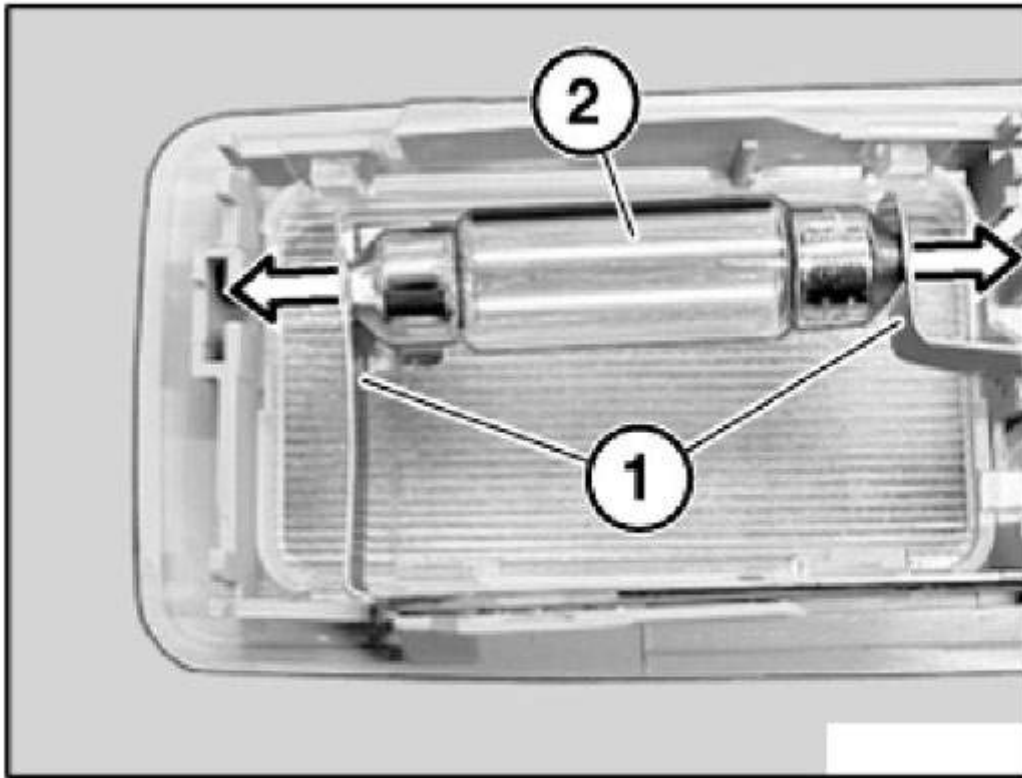
LIGHTS) .

Remove mirror light. Refer to **63 31 050 REMOVING AND INSTALLING/REPLACING MIRROR LIGHT** .

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

Installation:

Note type of bulb. Refer to **63 31 INTERIOR LIGHTS E53** .



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Fig. 58: Removing Bulb

Courtesy of BMW OF NORTH AMERICA, INC.

63 99 451 REPLACING LIGHT BULB FOR LUGGAGE COMPARTMENT LIGHTING

Move lens cover (1) in direction of arrow and remove.

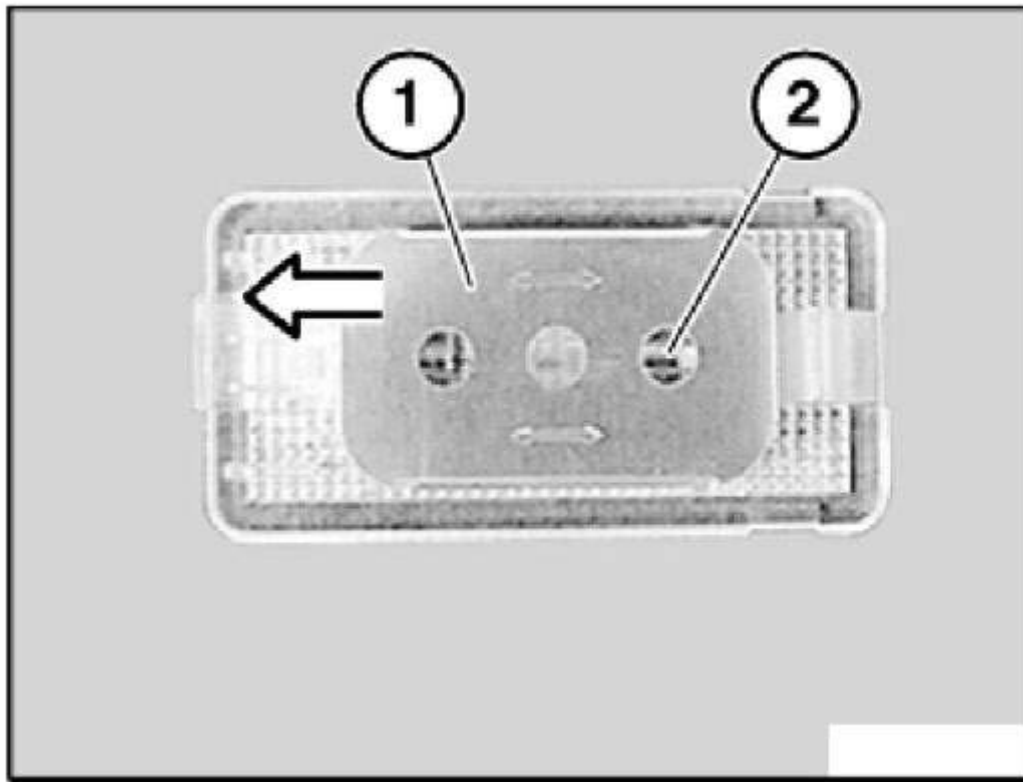
2001 BMW X5 30i

2001-2003 ACCESSORIES AND EQUIPMENT Exterior Lighting & Interior Illumination - Repair Instructions - X5 (3.0i) M54

Lever out bulb (2).

NOTE: Do not touch glass part of bulb with bare fingers. Only touch bulb on its base or with a clean cloth or packaging of light bulb.

Note type of bulb. Refer to 63 31 INTERIOR LIGHTS E53 .



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Fig. 59: Removing Lens Cover

Courtesy of BMW OF NORTH AMERICA, INC.

63 99 465 REPLACING BULB IN LEFT OR RIGHT DOOR MIRROR

Remove housing from door mirror. Refer to 51 16 040 REMOVING AND INSTALLING/REPLACING HOUSING ON LEFT OR RIGHT DOOR MIRROR .