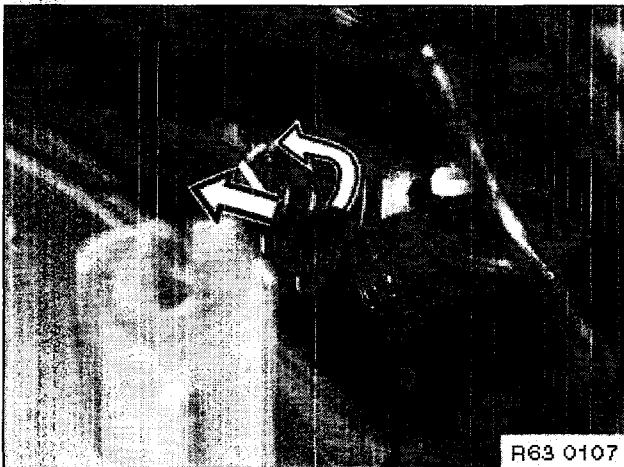
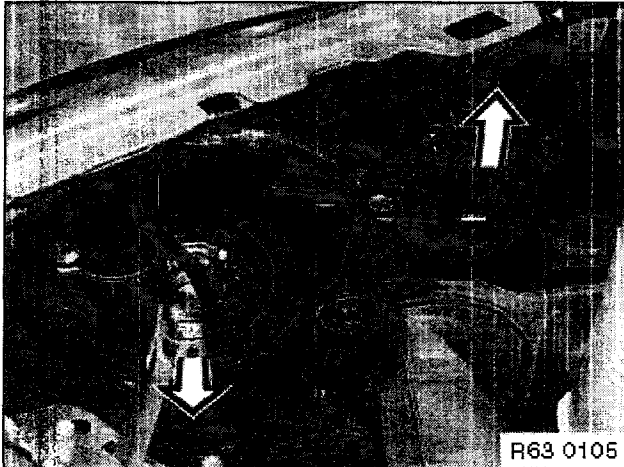


63 12 001 Removing and installing/replacing entire left headlight (Z3 roadster, Z3 coupé)

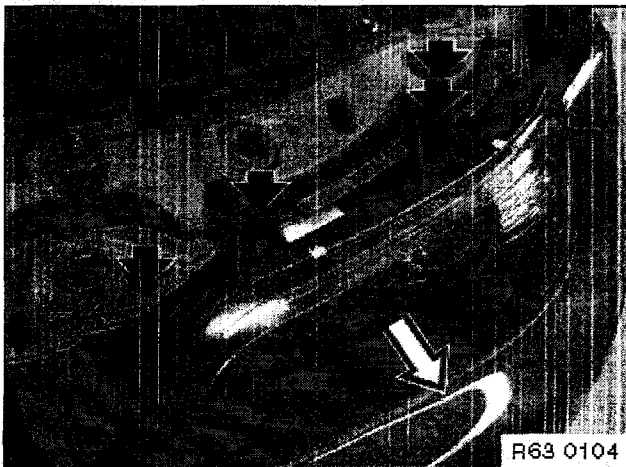
Remove suction-filter housing and air-mass sensor,

refer to Group 13

Disconnect all plug connectors.



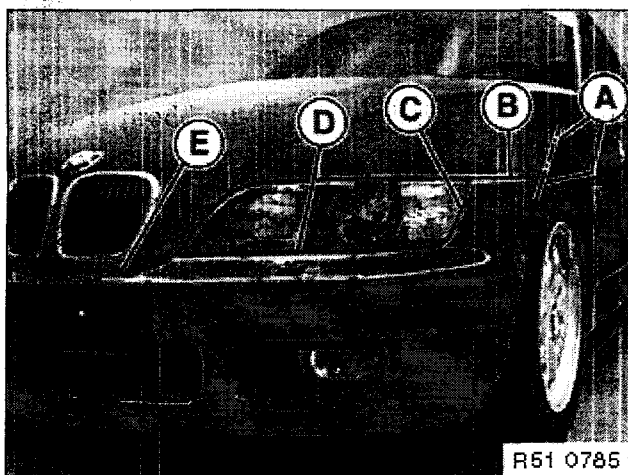
Twist lamp socket and pry out.



Caution!

Brace expanding rivets when unfastening the screws. The headlight is adapted to suit the body using the expanding rivets.

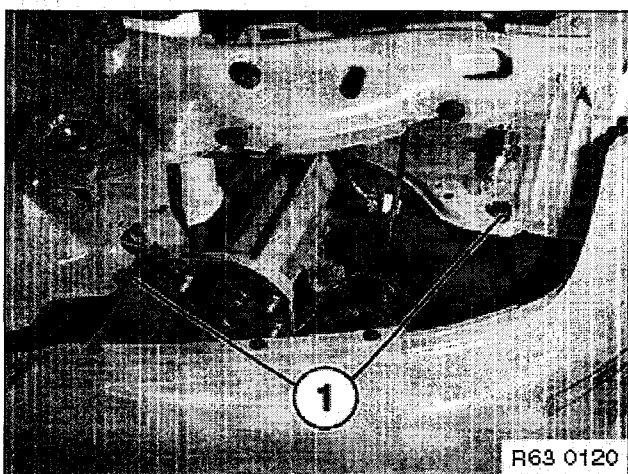
When installing a headlight, first screw in



R51 0785

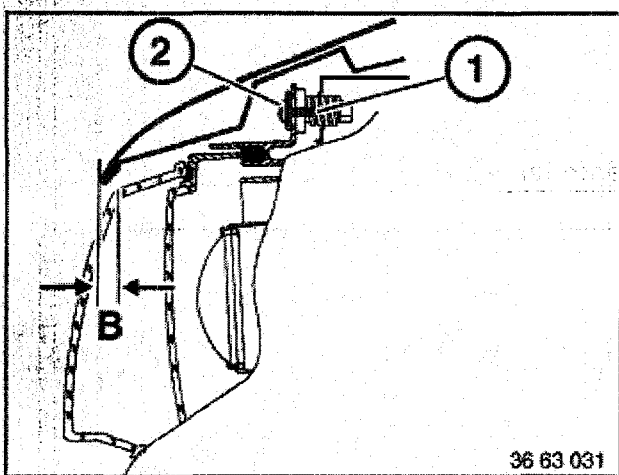
lower screws as far as last thread, at the same time bracing the expanding rivets.

Check gap (C and D) between bumper and headlight. If necessary, twist the lower expanding rivets to adjust gap (D) to approx. 5 mm. Adjust gap (C) in lower range to approx. 5 mm by moving the headlight to one side. The gap (C) narrows towards the top to approx. 2.5 mm. Then tighten screws while counterholding expanding rivets.



R63 0120

To adjust the lower gap, remove headlight again. Twist expanding rivets (1) and reinstall headlight.



36 83 031

Close bonnet and check gap (B).

Adjust to approx. 0 mm if necessary by turning upper expanding rivets (1). Then tighten down the top screws (2) by bracing the expanding rivets (1).

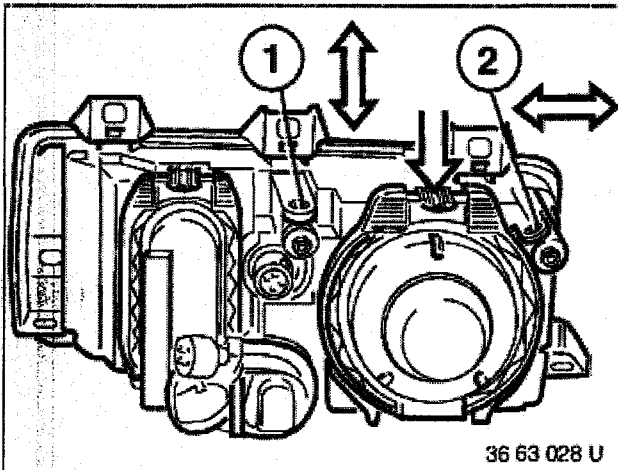
Adjusting headlights,

refer to 63 10 004

63 10 004 Adjusting headlights

Note test prerequisites for adjusting headlights,

refer to 63 10 test prerequisite



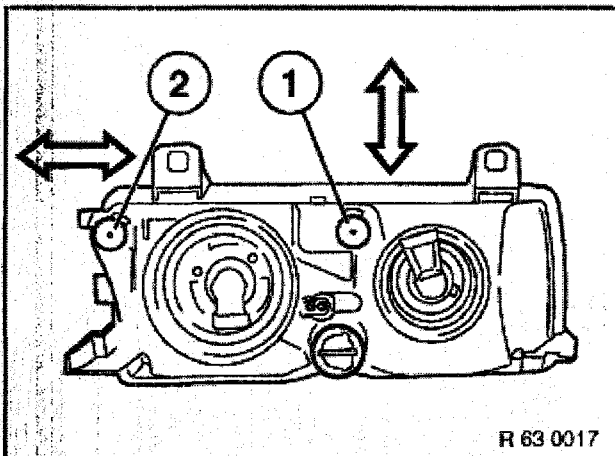
Sedan, Coupé, Convertible, touring
Adjust headlights by turning adjusting screws (1) and (2).

A definite allocation of adjusting screws is not possible.

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

Note:

Adjusting screws are shown on a removed headlight.



compact, Z3

Adjust headlights by turning adjusting screws (1) and (2).

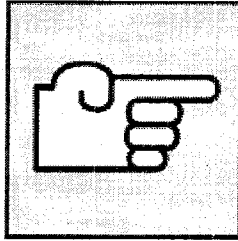
A definite allocation of adjusting screws is not possible.

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

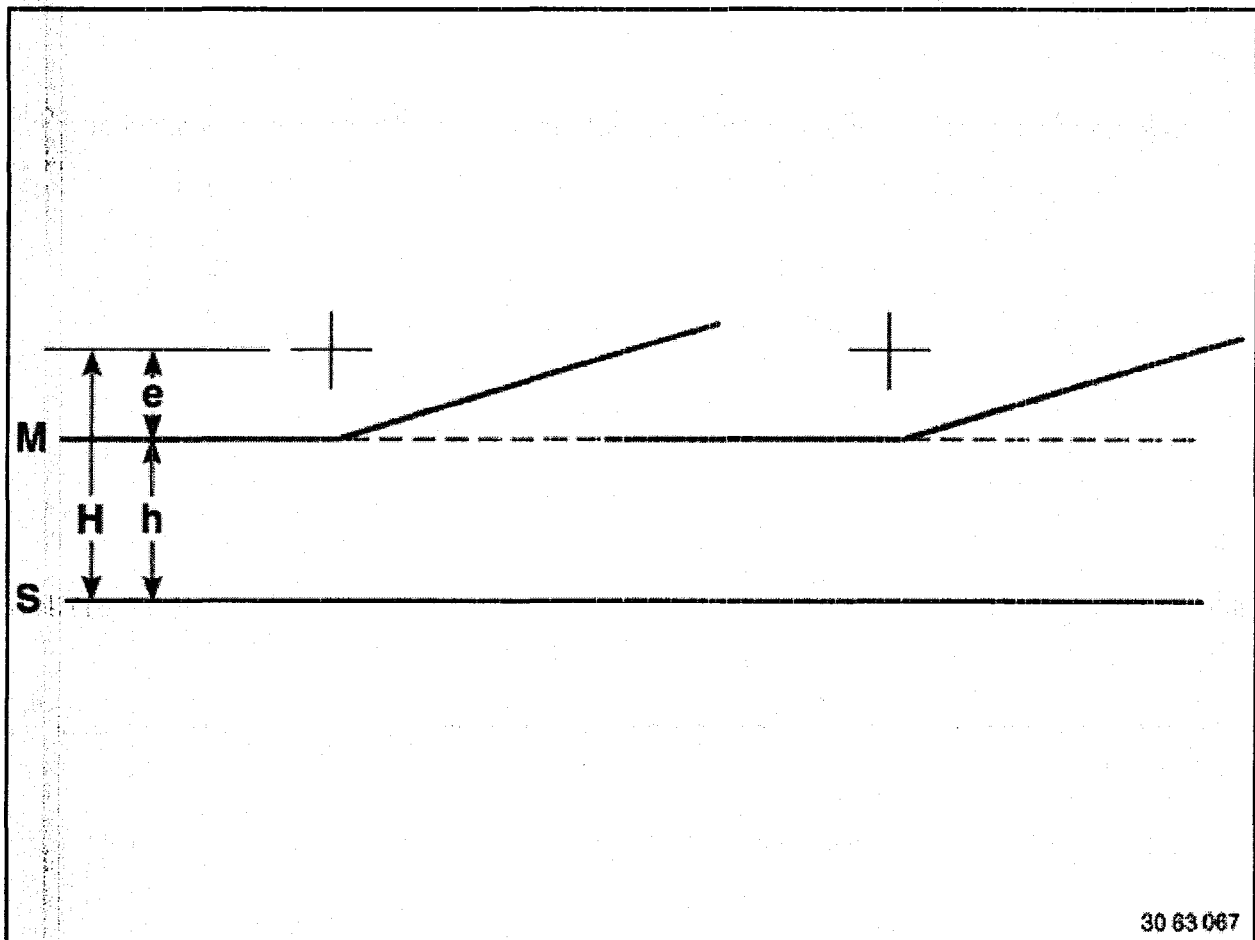
Note:

Adjusting screws are shown on a removed headlight.

63 10 ... Test requirements for headlight vertical aim adjustment



- Car parked on level ground.
- Replace faulty glass and mirrors and blackene
- Check tyre pressure and correct if necessary.
- Apply load equivalent to one person on driver's (approx. 75 kg).
- Vehicle with full fuel tank or appropriate additic luggage compartment.
- Correct adjustment of headlights in relation to (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 second switching on lights. During this time, do not mo vehicle and avoid vibrations.
- Align headlight aimer with vehicle longitudinal parallel to parking surface. Set marking line (M distance (e). Scale graduations on aimer are e gradient in cm at a distance of 10 meters.



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.