

 **63 12 000 Adjust headlight (2 FRUs)**
+ 63 12 500

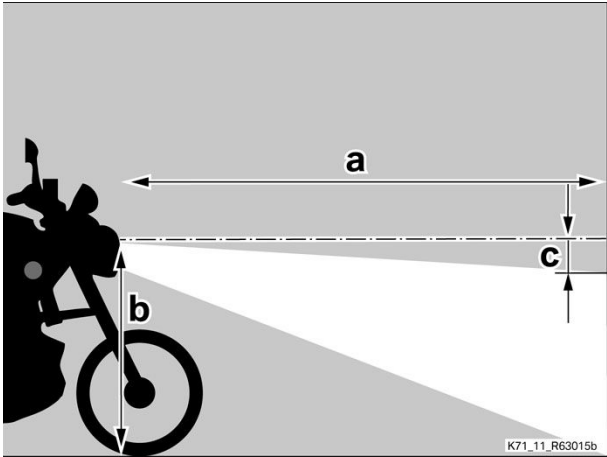
Core activity


(-) Checking headlight beam throw

- Set the spring preload to the basic setting.
- Stop the motorcycle on a smooth, level surface.
- Apply the rider's weight to the motorcycle.
- Start the engine and check that the headlight setting.

Check

- Distances:
 - (a): Distance between headlight and vertical surface
 - (b): Height of centre of headlight
 - (c): Distance to light/dark cut-off
- Check the setting of **beam throw**.



 Technical data			
Distance between headlight and vertical surface For headlight adjustment		5 m	
Distance between light/dark cut-off and mark at height of centre of headlight	Suspension set to basic setting and vehicle loaded with 85 kg	7.5 cm	

Result:

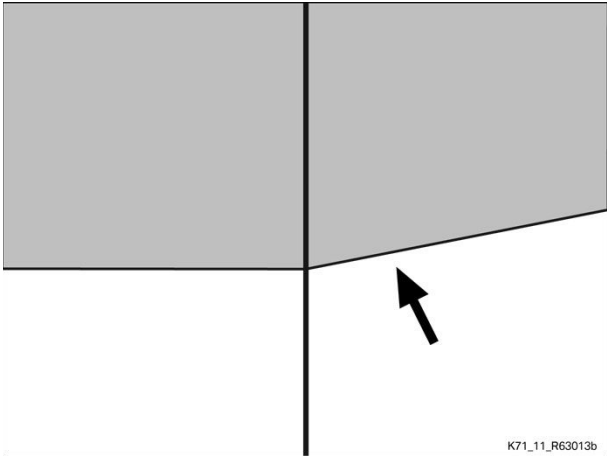
- Setting for low-beam headlight not correct.


Measure:

- Adjust the headlight setting (beam throw).

Check

- Check the setting of the **side angle** (light/dark cut-off [\(arrow\)](#)).



 Technical data			
Headlight adjustment (side angle) for low-beam headlight		Bright/dark cut-off rises to the right of headlight centre	

Result:

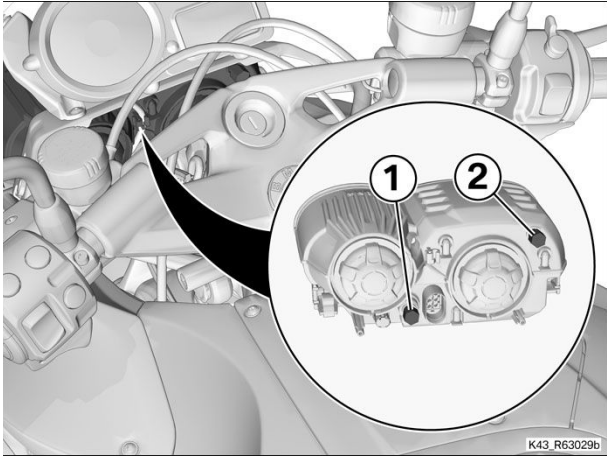
- Headlight setting (side angle) for low-beam headlight is not correct.


Measure:

- Adjust the headlight setting (side angle).

► **Correct the headlight beam angle**

- Adjust the height of the beam throw by turning adjusting screw (1).



 Technical data			
Distance between light/dark cut-off and mark at height of centre of headlight	Suspension set to basic setting and vehicle loaded with 85 kg	7.5 cm	

- If necessary, adjust lateral throw by turning adjusting screw (2).

