

## 77 51 151 Installing LED flashing turn indicators

+ 77 51 651

Equipment trim-level variant:

LED flashing turn indicators<sup>OA</sup>



### NOTICE

Installation of the LED turn indicators described here is not permitted for the USA and Canada.

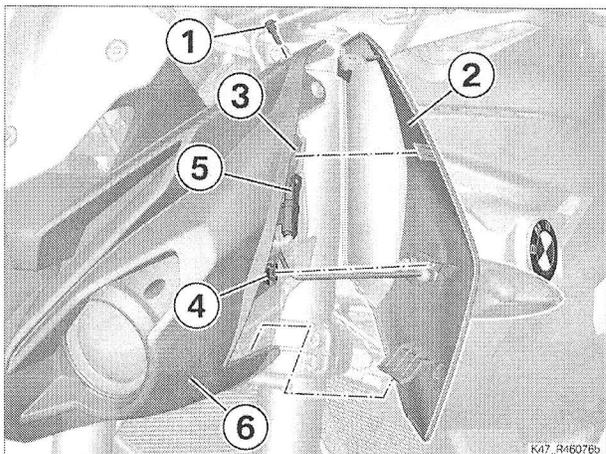
### Preparatory work

=> **Removing and installing the rear-wheel stand special tool (motorcycles without centre stand) (Description in item: 46 52 510, Billed as a separate item)**

Removing rear seat

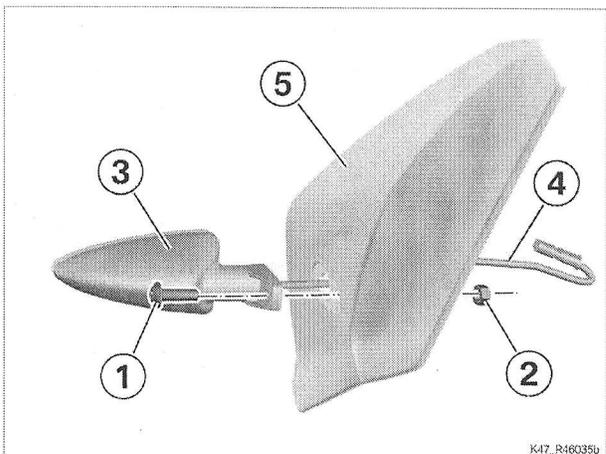
### Core activity

#### (-) Removing front left cover



- Remove screw (1).
- Ease cover (2) to one side and disengage it from catch (3) and retaining clip (4).
- Disconnect plug (5) for the flashing turn indicators.
- Ease cover (2) up, disengage it from headlight fairing (6) and remove.

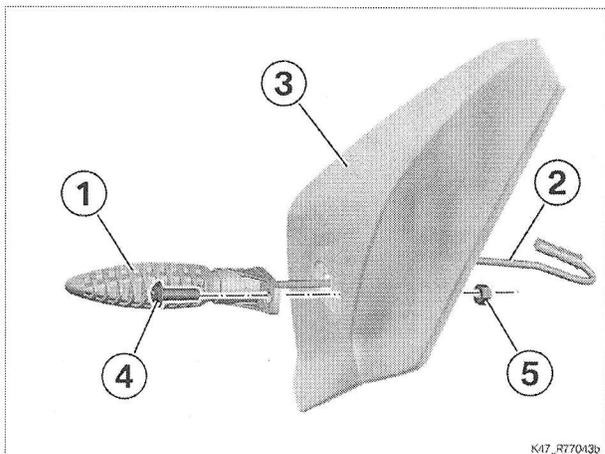
#### (-) Removing front left flashing turn indicator



- Remove screw (1) with nut (2).
- Remove turn indicator (3) with cable (4) from cover (5).

#### (-) Installing front left LED flashing turn indicator

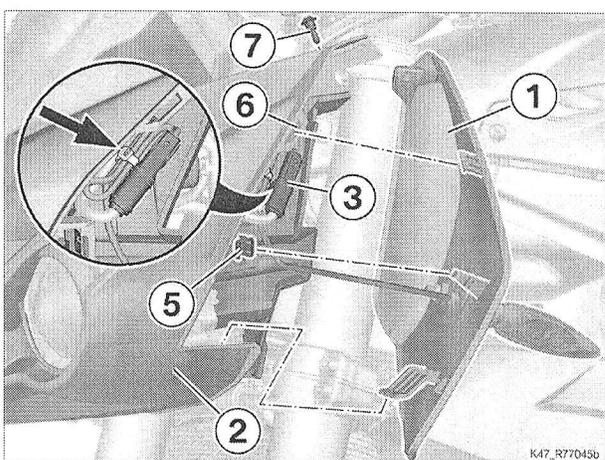
- Install LED turn indicator (1) with cable (2) in cover (3).



- Install screw (4) with nut (5).

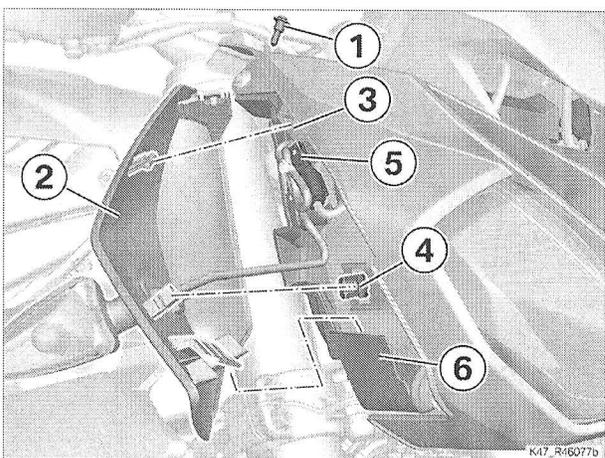
 <b>Tightening torques</b>		
<b>Flashing turn indicator to fairing panel/number-plate carrier</b>		
M6 x 20	3 Nm	

### (-) Installing front left cover



- Engage cover (1) in headlight fairing (2).
- Connect plug (3) for the LED flashing turn indicator and route the cable.
- Loop excess length of cable and secure it to LED turn-indicator cable (4) with a cable tie (arrow).
- Secure cover (1) in retaining clip (5) and engage catch (6).
- Install screw (7).

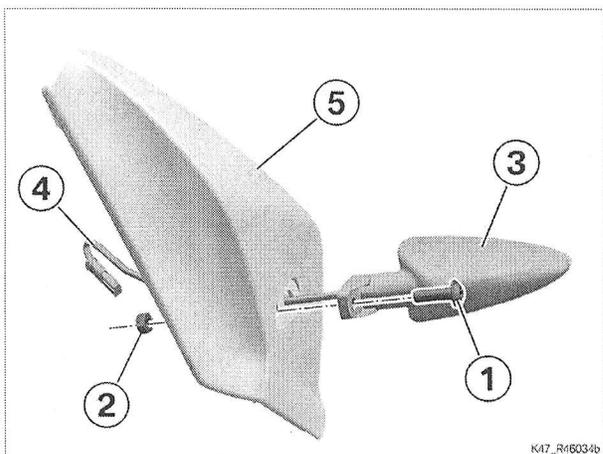
### (-) Removing front right cover



- Remove screw (1).
- Ease cover (2) to one side and disengage it from catch (3) and retaining clip (4).
- Disconnect plug (5) for the flashing turn indicators.
- Ease cover (2) up, disengage it from headlight carrier (6) and remove.

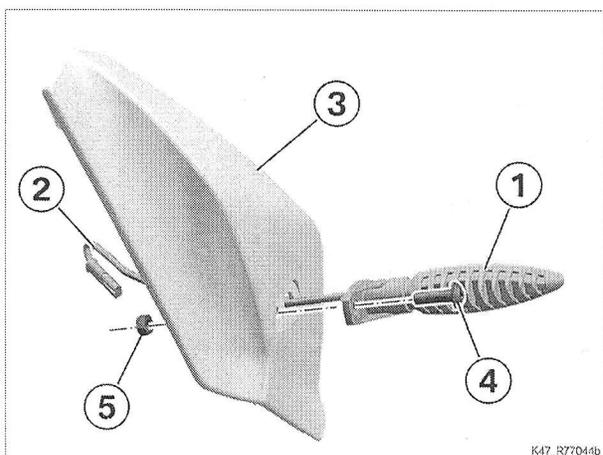
### (-) Removing front right flashing turn indicator

- Remove screw (1) with nut (2).
- Remove turn indicator (3) with cable (4) from cover (5).



**(-) Installing front right LED flashing turn indicator**

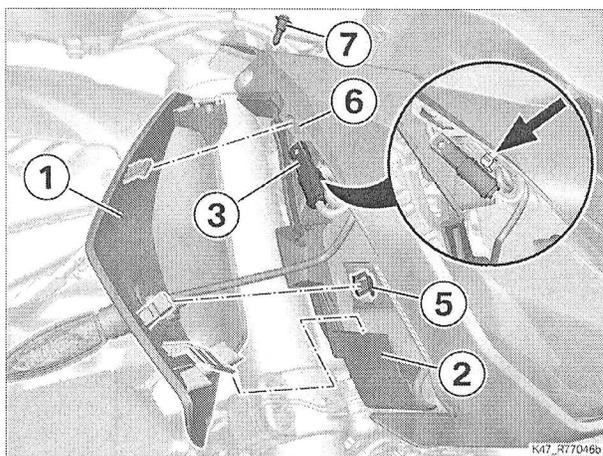
- Install LED turn indicator (1) with cable (2) in cover (3).
- Install screw (4) with nut (5).



 <b>Tightening torques</b>		
<b>Flashing turn indicator to fairing panel/number-plate carrier</b>		
M6 x 20	3 Nm	

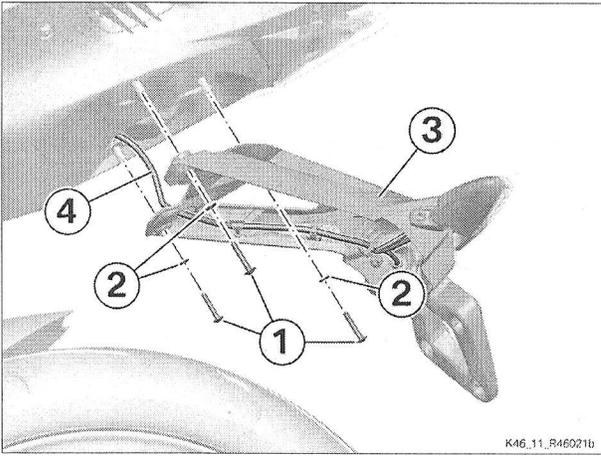
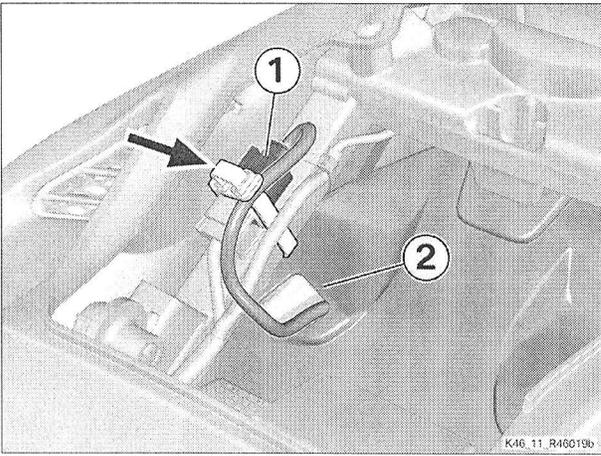
**(-) Installing front right cover**

- Engage cover (1) in headlight carrier (2).
- Connect plug (3) for the flashing turn indicator and route the cable.
- Loop excess length of cable and secure it to LED turn-indicator cable (4) with a cable tie (arrow).
- Secure cover (1) in retaining clip (5) and engage catch (6).
- Install screw (7).



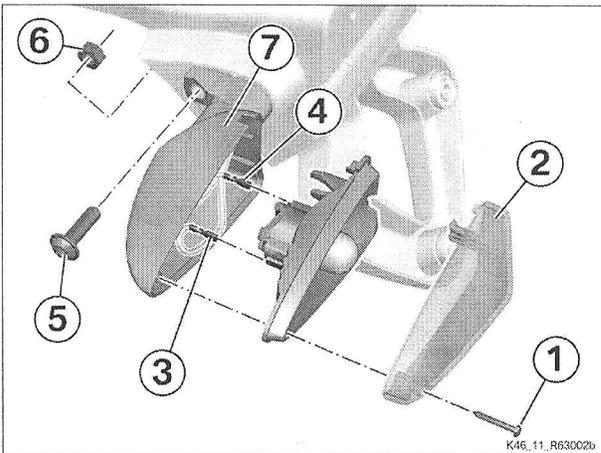
**(-) Removing number-plate carrier**

- Remove the cable tie (arrow) and disconnect plug (1) for the number-plate carrier.
- Pass plug (1) with the cable through tail bottom section (2).



- Remove screws (1) with washers (2).
- Remove number-plate carrier (3) and pass cable leg (4) out until clear.

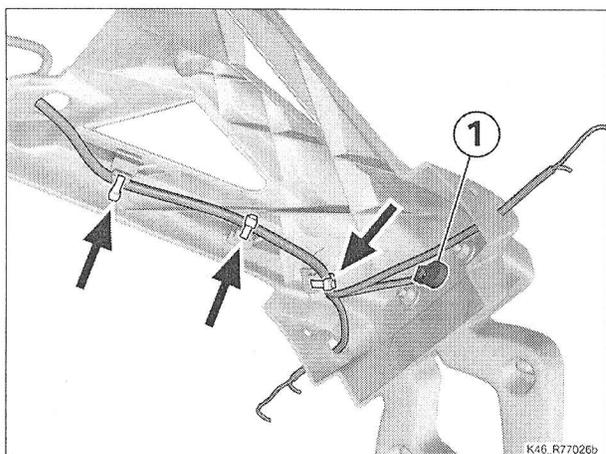
**(-) Removing rear left and right turn indicators**



- Remove screw (1) and remove turn-indicator glass (2).
- Disconnect plugs (3) and (4) for the flashing turn indicators and work them clear of the motorcycle.
- Remove screw (5) with nut (6).
- Remove flashing turn indicators (7).
- Repeat this step in this routine on the other side of the motorcycle.

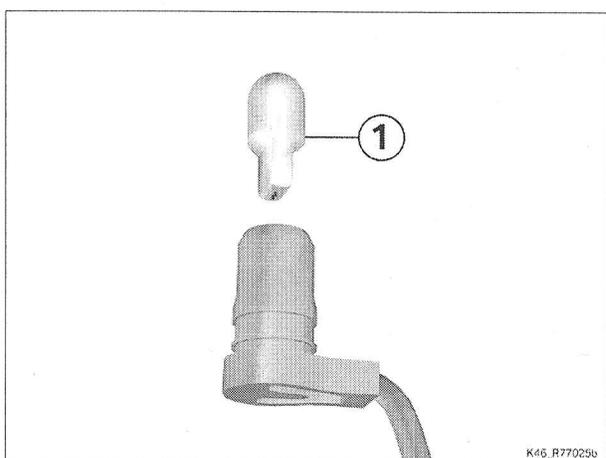
**(-) Removing bulb socket, bulb for number-plate light and turn-indicator cable**

- Pull out socket (1) with the bulb.
- Open the cable ties (arrows).
- Remove the wiring harness.



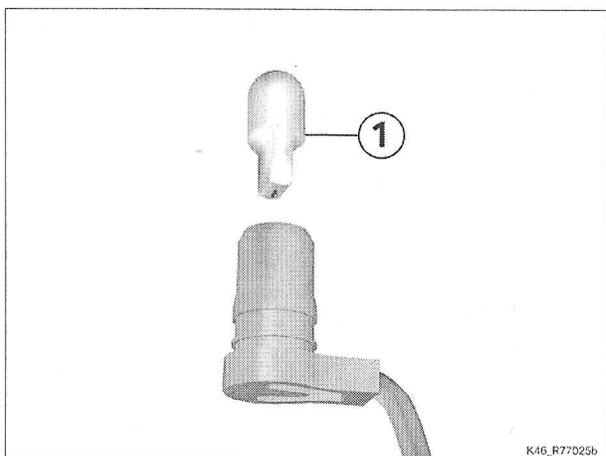
**(-) Removing bulb for number-plate light**

- Remove bulb (1) for the number-plate light.



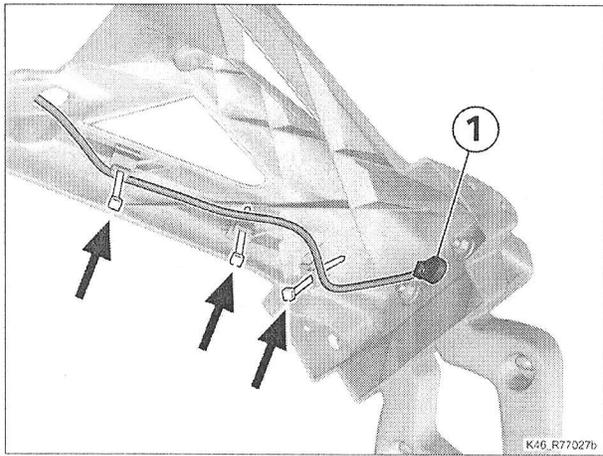
**(-) Installing bulb for number-plate light**

- Install bulb (1) for the number-plate light on the new wiring harness.

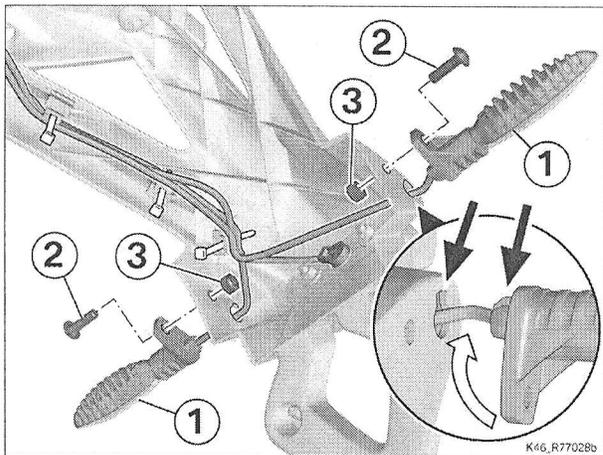


**(-) Installing socket and bulb for number-plate light**

- Insert bulb socket (1) with the bulb in the bore.
- Work the cable ties (arrows) into position.



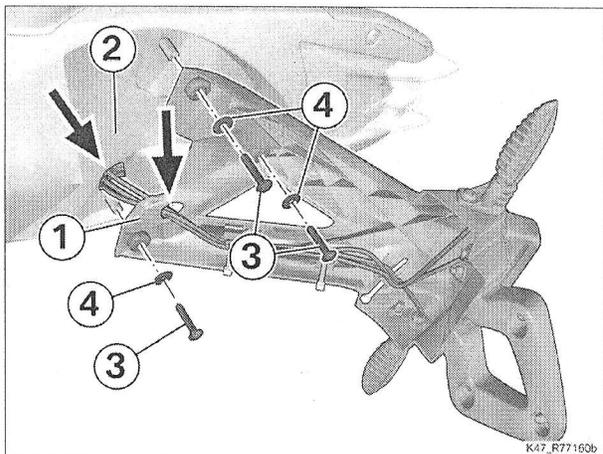
**(-) Installing rear LED turn indicators, left and right**



- Work the cable with plug into position and up.
- Hold LED turn indicator (1) in position, engaging the projection (arrow) in the recess (arrow) and turn the turn indicator to the position for securing the screw.
- Install screw (2) and nut (3).

 <b>Tightening torques</b>		
<b>Flashing turn indicator to fairing panel/number-plate carrier</b>		
M6 x 20	3 Nm	

**(-) Install the number-plate carrier**

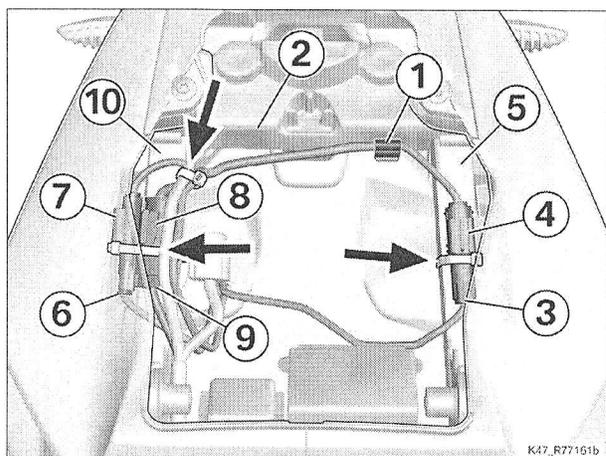


- Pass all the cables and plugs through the hole (arrow) in number-plate carrier (1).
- Pass all the cables and plugs through the hole (arrow) in tail bottom section (2) and place them in position in the tail section.
- Hold number plate carrier (1) in position at tail bottom section (2) and install screws (3) with washers (4).

 <b>Tightening torques</b>		
<b>Number-plate carrier to rear frame</b>		
M5 x 30	5 Nm	

**(-) Connecting LED turn indicators and routing cables**

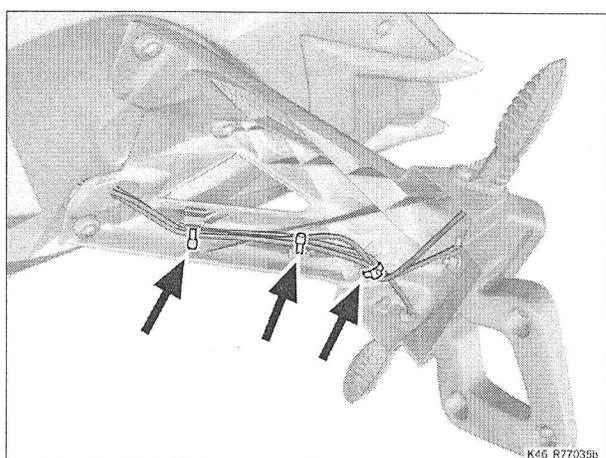
- Secure cable clip (1) to rear frame (2).
- Connect plug of **right LED turn-indicator cable** (3) to plug (4) of the LED turn indicator wiring harness with the **long cable leg** and secure it to **left frame tube** (5) as viewed in the forward direction of travel, using a cable tie (arrow).



- Insert the long cable leg and excess length of cable, if applicable, into cable clip (1).
- Connect plug of **left LED turn-indicator cable** (6) to plug (7) of the LED turn-indicator wiring harness with the **short cable leg**.
- Connect plug (8) to plug (9).
- Secure plug connectors (6), (7) and (8), (9) to **right frame tube** (10) as viewed in the forward direction of travel, with a cable tie (arrow).
- Secure the wiring harness for the rear light and LED turn-indicator wiring harness with a cable tie (arrow) at the rear of the vehicle.

#### (-) Securing cables with cable ties

- Secure the cable with cable ties (arrows).



#### Follow-up work

Connecting **BMW Motorrad** diagnostic system to vehicle

Performing software update with **ISTA/P**

Disconnecting **BMW Motorrad** diagnostic system from vehicle

Installing rear seat

Final check of work performed