

September 2002

01-040-1504-0

Assembly F650GS / DAKAR Xenon Headlight

Parts included:

- 1x auxiliary headlight xenon including set of cables and relay
- 1x bracket for auxiliary headlight
- 1x bracket for ballast
- 1x bracket for BMW solenoid
- 2x spacers 37mmL
- 1x bolt hex M5x10
- 4x bolt hex M5x45
- 4x washer for M5
- 1x nut self-locking M5
- 1x bolt hex M5x25
- 2x bolt hex M6x10
- 2x bolt hex M6x14
- 4x washer for M6
- 2x nut self-locking M6
- 1x spacer 7mm L
- 1x spacer 19mm L
- 1x spacer 24mm L
- 3x adapter ring eye 6.5
- 1x female spade connector

Necessary tools:

- Torx 20,25,30
- screwdrivers
- thin wrenches of 8,10
- Allen keys 3,4

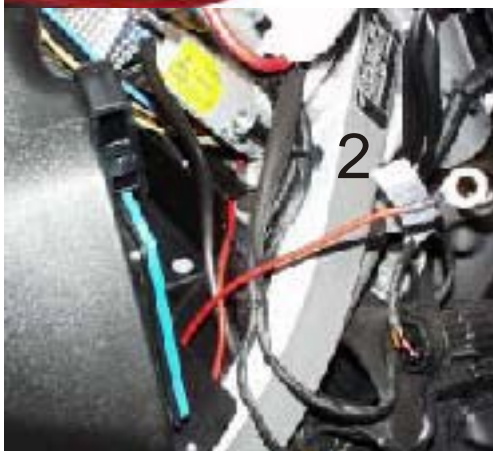
NOTE Oct 25 2004 these instructions have been improved on the TT-USA website.
http://touratech-usa.com/instl/instl_040-1504.html

Assembly of the Ballast bracket

Remove seat, tank cover, side parts, windscreen, headlights and intake tract. Remove the battery and solenoid (from its tabs). Push the intake, solenoid and battery cables out of the way, and remove the plastic cover with solenoid tabs. Bolt the relay onto the backside of the ballast bracket with the M5x10 screw, washer and nut (Photo 1). Pre-cut wiring harness at 12 in (30cm) and remove sheath. Cut blue wire to 5 in. (=12cm) and install spade connector. Cut brown wire to 10 in. (=25cm) and install ring connector. The blue wire connects to Relay terminal "87". Install the ballast bracket with the relay downward/forward. Route the blue cable to the left under and outward from the bracket, the other cables to the right. Install the new bracket with the original Torx screws. Install the other ring connector on the brown cable and route near the 12v-battery terminal. Do not attach.

Assembly of the fuse holder:

Pull the red cable from the relay through to the right side under the air cleaner box and bring the cable to battery positive terminal (Photo 2). Attach the fuse holder with a cable strap at the mounting plate of the air cleaner box cover (Photo 3), allows good access to the fuse. Remove the adapter ring eye and replace with the provided, smaller ring eye. Remove the fuse and replace only after the completion of the electrical work.



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Assembly of the controller:

Locate the controller with the padded side downward and with the cable exiting left from the bracket.(Photo 4)

Fasten the mounting plate for the solenoid with two bolts M5x45 LiKo and two spacer rolls of 10,5,37



Connection of the control line:

Pull the grey/yellow cable right to the control actuator forward into the headlight shroud. Take the original headlight plug and carefully remove a length approx. 2-3cm of the black tape. Shorten the grey/yellow cable to the appropriate length and connect it with the provided cable connector to the white cable at the headlight plug.(Photo 5)



Assembly and connection of the xenon headlight:

Pull the lead from the controller xenon headlight left to the control actuator in front by the fork bridges.(Photo 6)

Install the side panels and headlight again. Attach the Xenon light to the mounting plate with the two LiKo M6x14 and washers.

Bolt the Xenon light bracket to the left blinker mount (Photo 7) with 2x LiKo M5x45, 1x LiKo M5x25 and the spacer rolls

(24 in the back, 07 center, 19 in front) in the original windscreen screw connections. Now press plug easily into headlight and then fasten the screen with the LiKo M6x10 and washers (Photo 8).

Attach the cables to the battery(positive cable first) insert fuse and check for function. The xenon headlight should switch on when switching to high beam. Secure all cables with cable straps and install intake tract, tank cover and seat.

The auxiliary headlight can be aligned by easy shifting the slotted hole in the bracket.

