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## **TOURATECH** **Xenon Lamp for R1100GS**

**040-1500**

R1100GS foglamp kit shown. The 040-1500 XENON(HID) kit is just ONE lamp on the LEFT side.

Click [here to download english instructions \(.pdf document - 436K\)](#)

**Use these suggestions at your own risk.**

- These instructions are new and have not been tested by independent installers.
- The instructions are not complete. For photos please refer to printed german instructions (until we get the photos online....sorry)
- Touratech and Touratech-USA assume no responsibility for errors using these suggestions.

If you have any doubts about your ability to install electrical parts, please contact a professional installer.

### **Synopsis**

Xenon lamp is much brighter than incandescent lamps, the light is a more natural color, allowing better night vision, and it uses only 35W of power to produce equivalent light of about 100W incandescent.

- 1) Install Transformer inside upper frame casting (near upper front shock mount)**
- 2) Make the electrical connections**
- 3) Install lamp on left side, using the two underside fairing screws.**

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### **Mounting Instructions for Additional Driving Lamp – 040-1500**

#### **1. Mounting the lamp**

Screw the lamp assembly to the bracket with the hex head screws and washers provided – the front bolt hole is elongated to allow adjustment. Remove the two allen screws from the underside of the ‘beak’. Fit the lamp bracket to these holes using M6x25 allen screws and washers, with the 12x6x5 spacers fitted between the bracket and the beak.

#### **2. Mounting the transformer bracket**

Loosen the 13mm nut holding the horn bracket to the steering head. Pivot the horn towards the left hand side of the bike. Cut off and discard the cable tie (1) from the right hand side of the steering head. Slide the transformer bracket between the front shock absorber and the right hand side of the steering head, with the tab at the bottom rear. Secure the bracket using the M5x25 dome headed allen screw in the centre hole, from the inside of the steering head, and a large M5 washer and domed

**040-1500 Xenon Lamp  
(R1100GS)**

nut. Use the M5x20 allen head screw in the other hole, again from the inside of the steering head, with a large M5 washer and domed nut.

### **Parts List:**

1x Light unit  
1x Light holder  
1x Bracket for transformer  
1x Bracket for relay  
1x Cover  
1x Allen screw M5x16  
1x Allen screw M5x20  
1x Dome headed allen screw M5x20  
1x Dome headed allen screw M5x25  
2x Dome headed allen screw M6x8  
2x Allen screw M6x25  
1x Dome headed allen screw M6x12  
2x Domed nut M5  
1x Self locking nut M6  
2x Large washer M5  
6x Washer M6  
2x Spacer 12x6x5  
3x Ring terminal  
7x Cable tie 130mm  
3x Cable tie 290mm  
1x O-ring  
1x Scotchlock

### **3. Fitting the transformer**

From the back of the lamp, guide the cable over the 'beak' and across to the instrument wiring loom – be careful not to twist the cable by more than 90 degrees, or make any corners sharper than 20mm radius. Fit the transformer into the bracket and secure it with the o-ring stretched between the two hooks. Plug the wiring loom into the transformer (2). Re-align the horn bracket and tighten the securing nut.

### **4. Fitting the relay**

Remove the seats and the fuel tank. Fit the relay to the triangular relay bracket using the dome headed allen screw M6x12 and self-locking nut M6. Fit the bracket and relay to the left hand side of the Motronic bracket, using the original screws. Be careful to refit the earth lead to the bottom screw. The loom should be routed backwards from the relay and round the back of the battery, then forward along the right hand side of the bike to the transformer. Be careful to mount the loom so it cannot obstruct the fuel tank.

### **5. Fitting the fuseholder**

The fuseholder for the lamp should be mounted to the front of the front left seat mounting, using a cable tie (130mm) through the hole in the mounting. For safety please leave the fuse out until the electrical work is completed.

### **6. Electrical connections**

Before starting electrical work please disconnect the negative terminal from the battery

Check the wires are properly connected to the relay in the correct order: 85 : Brown, 86 : Yellow/Grey, 87 : Blue, 30 : Red.

Connect the red wire from the fuseholder directly to the positive terminal on the battery by cutting the wire to a suitable length then crimping on a new ring terminal. Connect both brown wires (one from the relay and one from the transformer) to the negative terminal on the battery in the same way. Refit the main battery connections, taking care to fit the positive first then the negative. Using the Scotchlock, connect the yellow/grey wire to the white wire from the transparent/white block connector on top of the steering head (6).

Fit the 15-amp fuse into the fuseholder and replace cover. Check the lights function correctly. Secure the wiring loom with the cable ties. Finally refit the fuel tank and seats.

**[http://www.touratech-usa.com/instl/instl\\_040-1500.html](http://www.touratech-usa.com/instl/instl_040-1500.html)**