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K1600GTL Brake Light Flasher

The brake light flasher connects to the center brake light on the K1600GTL trunk rack. It makes the brake light flash rapidly for about two seconds, and then it stays on without flashing for as long as the brake is applied. The cycle repeats every time the brake is applied.

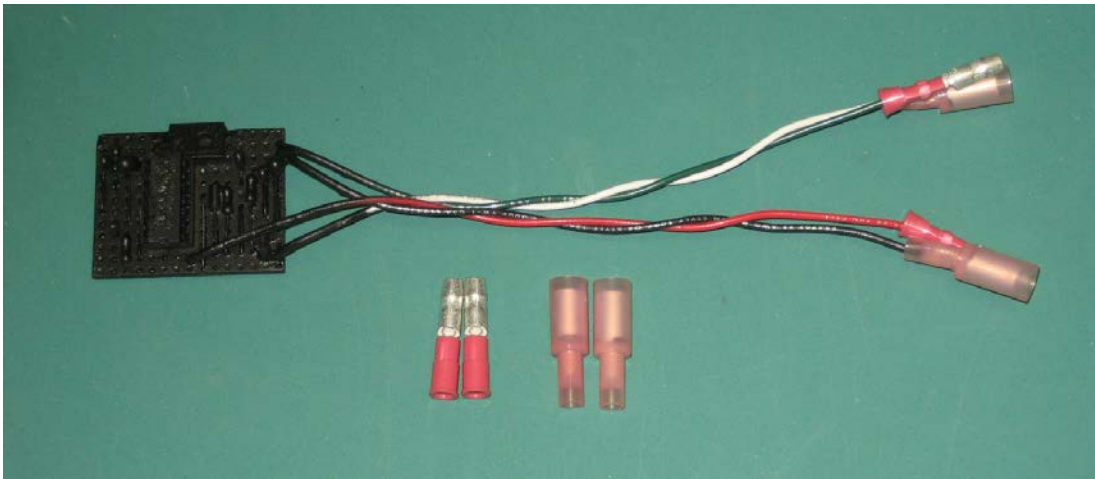


Figure 1. Brake light flasher for center brake light

Standard Disclaimer: Though this product has been tested extensively on a 2012 BMW K1600GTL, Rider West assumes no responsibility for the compatibility between this product and your motorcycle. Any Rider West accessories you add to your motorcycle are at your own risk.

If you have any questions about this kit, contact support@riderwest.com.

A full color version of this document can be viewed or downloaded from www.riderwest.com.

Please read this entire document before cutting anything so you know what to expect as you proceed.

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What you get

- (1) Brake light flasher assembly with wires, bullet connectors, and double-sided tape attached
- (2) Red male bullet connectors, crimp-type
- (2) Red female bullet connectors, crimp-type
- Detailed instructions (what you're reading now)

What you need

To install the brake light flasher you need:

- Wire cutter/stripper
- Crimping tool (for standard, automotive-type connectors)
- Sharp utility knife
- T-20 Torx wrench

Installation

1. Use a T-20 Torx wrench to remove the two screws (inside the trunk) that secure the center brake light assembly (see Figure 2).



Figure 2. Removing the two screws to remove the brake light assembly

2. Close the trunk and carefully slide the brake light assembly up and out to remove it (see Figure 3). Note the two tabs and holes where the assembly fits (see Figure 4)—you don't want to break these.



Figure 3. Removing the brake light assembly



Figure 4. Note the tabs that help hold the brake light assembly in place

3. Pull the wires and connector out from where they are tucked and unplug the connector (there is a small release on the black section that you need to press in order to separate the two parts of the connector).

4. You can now take the brake light assembly to a convenient place to work (such as your kitchen table—though you may want to cover it with a towel or piece of cardboard before you begin ☺).
5. Measure $4\frac{1}{2}$ " from where the wire goes into the LED housing and cut the wire through (see Figure 5).

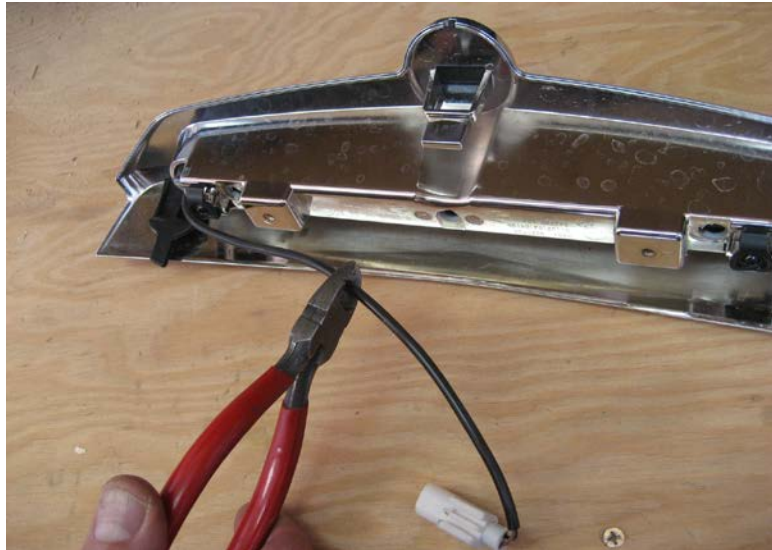


Figure 5. Cutting the wire

6. Cut the insulation for about $1\frac{1}{2}$ " from the end of each piece of wire (see Figure 6). You may want to do this on a cutting board or other expendable surface in case you slip with the knife!!! Be careful and try not to cut the wires. Trim off the insulation. You should now have something like what's shown in Figure 7.



Figure 6. Cutting the insulation



Figure 7. Insulation trimmed and wires cut

7. Strip $\frac{1}{4}$ " of insulation off of the four cut ends and twist the strands together.
8. On the wires coming from the **BMW connector**, crimp on the provided bullet connectors as follows (see Figure 8):
 - a. Black Wire (hot) Female connector
 - b. Brown Wire (ground) Male connector
9. On the wires going to the **LED housing**, crimp on the provided bullet connectors as follows (see Figure 8):
 - a. Black Wire (hot) Male connector
 - b. Brown Wire (ground) Female connector

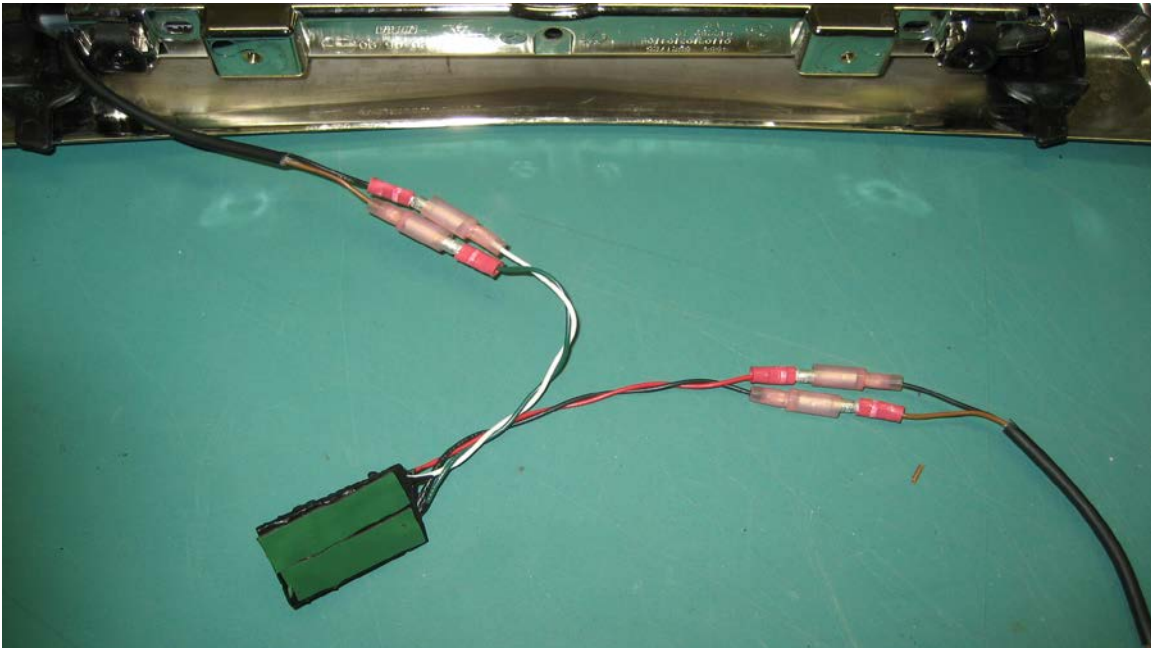


Figure 8. Crimping the connectors and attaching the brake light flasher module

10. **Loosely** connect the bullet connectors together as follows (see Figure 8 above). **Caution: Connecting them the wrong way will destroy the module!**
 - a. The **RED** and **BLACK** wires connect to the wires going to the BMW connector.
 - b. The **GREEN** and **WHITE** wires connect to the wires going to the LED housing.
11. Test your work by setting the assembly with the wires hanging loose on top of your trunk and connecting the BMW connector back together (see Figure 9). Turn on your key and hit the brake. The brake light should flash for about two seconds and then stay on (see Figure 10). If it doesn't, check all your crimps. Also, for testing, or for any reason in the future, you can remove the module and connect the bullet connectors from the BMW connector directly to the wires going to the LED housing. In this case, the brake light should work normally. If it doesn't, you either don't have the BMW connector in all they way or you have a bad crimp in a bullet connector. Fiddle around until you find and correct the problem.

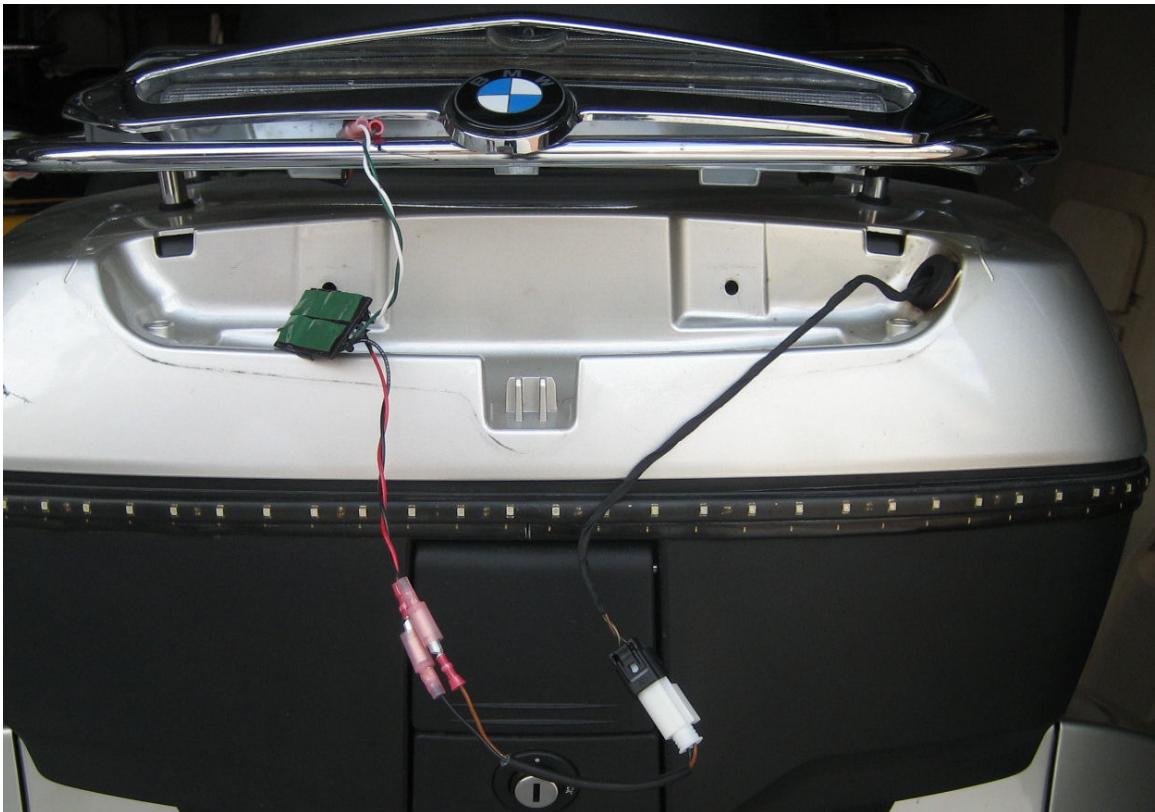


Figure 9. Testing the brake light flasher



Figure 10. Successful test of the brake light flasher

12. After a successful test, turn off your key and push the bullet connectors tightly together.
13. Tuck the bullet connectors and the BMW connector back where the BMW connector originally was (see Figure 11).



Figure 11. Tucking in all the connectors

14. Remove the backing from the double-sided tape and stick the brake light flasher module to the brake light assembly as shown in Figure 12.

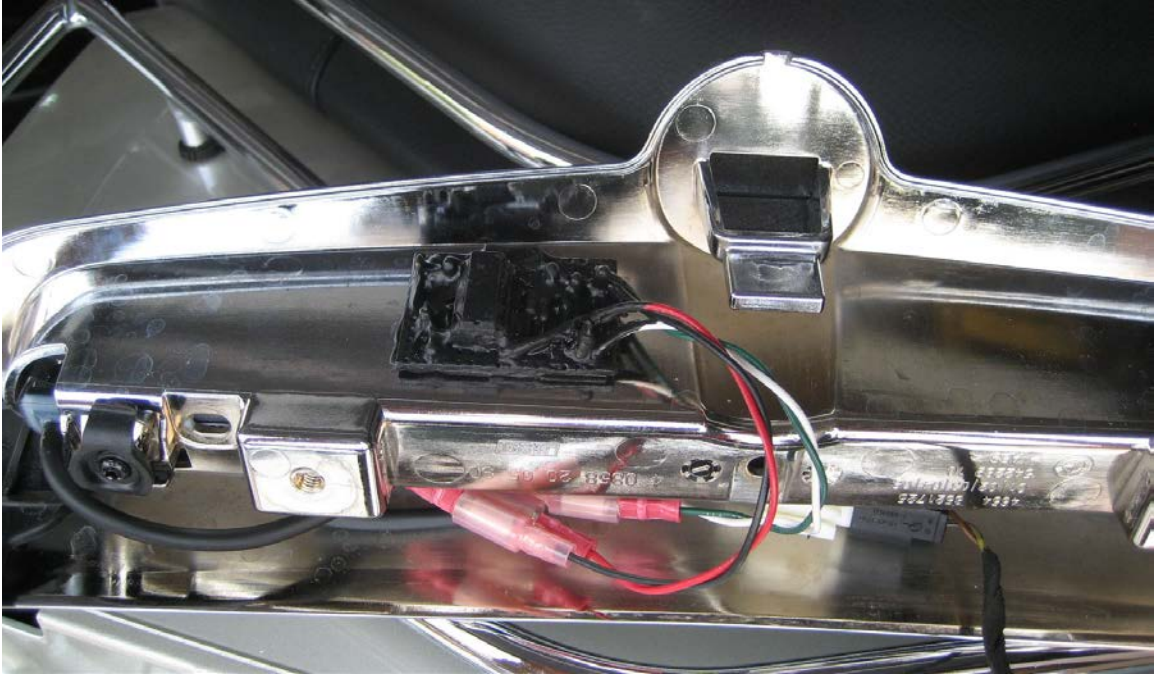


Figure 12. Flasher installed

15. Carefully replace the brake assembly being careful not to pinch any wires. Replace the two Torx screws, and give it one final test. You should be good-to-go!