

INSTALLATION INSTRUCTIONS

Miata Headlight Auto Shutoff – Part Number 12011 1990-1997 Miata

Congratulations on your purchase of this Headlight Auto Shutoff for your Miata. This module will add a level of convenience we have come to expect in cars today and will keep you from draining the battery if you accidentally leave the lights on.

Parts Included in this Kit

1-Controller Unit 3-Red T-tap 1-Blue T-tap 2-Zip-ties

Pre-Installation

The Headlight Auto Shutoff module will be mounted under the steering column. There is a cover plate at about knee level which needs to be removed. You will need to use a Phillips screwdriver to remove the two screws securing the cover plate to the dash and then remove the cover plate. You will now have access to the wiring which goes up to the steering wheel controls. Locate a white connector with 16 wires leading in and out of it. Several wire colors are different on either side of this connector, so you will want to reference the colors on the side furthest from the steering wheel.

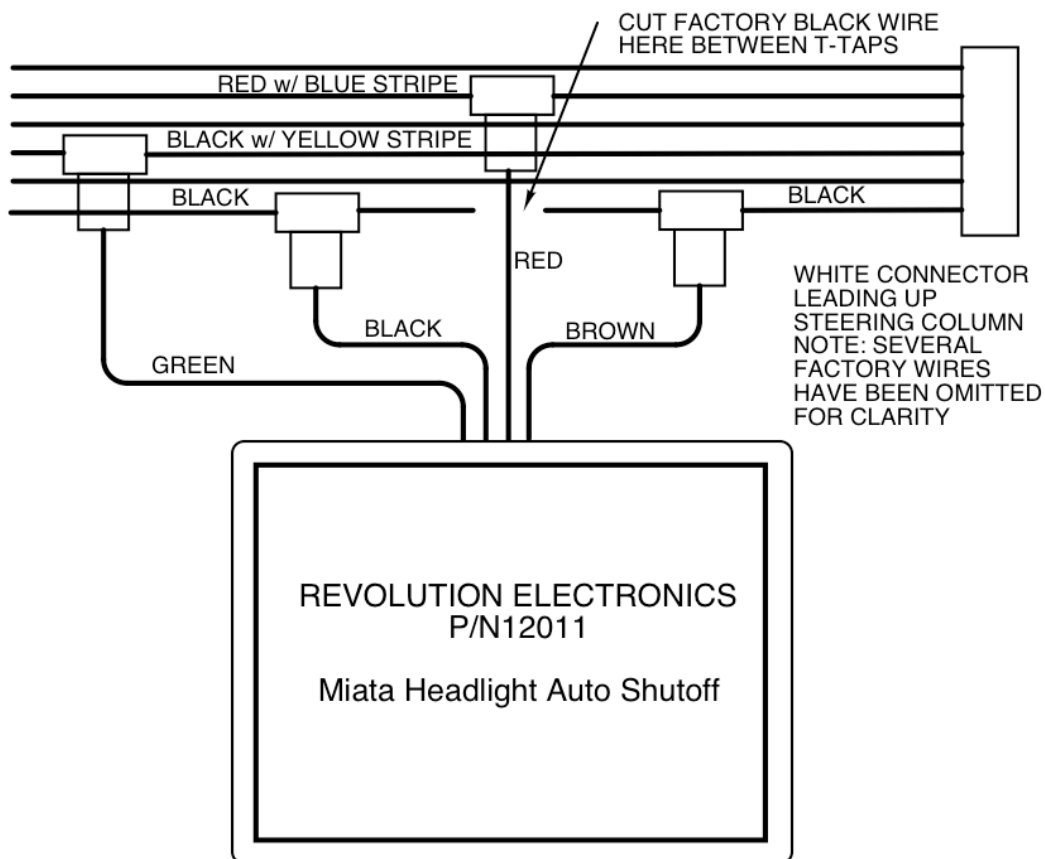


Figure 1

Electrical Connections

The Headlight Auto Shutoff needs connections to constant power, switched power, ground, and the headlight switch control. Figure 1 shows a basic schematic of how the unit should be wired.

Green Wire Connect this wire to a switched power voltage source. Voltage to this wire needs to turn on and off with the ignition key. Use one red T-tap connector to clip onto the factory Black-with-Yellow-stripe wire and then connect the Green wire to the T-tap.

Brown Wire Use one of supplied red T-tap connectors to clip onto the factory Black wire as shown in Figure 1. There may be two solid black wires – you will want to locate the one grouped near the Black-with-Yellow-stripe wire. Connect the module's Brown wire to this T-tap.

Black Wire Use one of the supplied red T-tap connectors to clip onto the same Black wire as you did for the Brown wire above. Locate this T-tap further from the steering wheel than the previous T-tap. After installing the T-tap, connect the module's Black wire to this T-tap. Clip the factory Black wire between the two T-taps. (see Figure 1)

Red Wire Connect this wire to a CONSTANT power source. This wire must have battery voltage at all times (even when the key is off). Use the supplied Blue T-tap connector to clip onto the Red-with-Blue-stripe wire and connect the module's Red wire to this T-tap.

Make certain all connections are secure

Trouble Shooting:

Headlights don't turn on:

- Make sure all wires are making good contact with the correct T-tap and that the T-taps are installed securely.
- Make sure the Red wire is connected to +12v (this supplies power to the unit)
- Make sure the Black wire is connected to the factory Black wire (this is the ground connection for the unit)
- Make sure the Green wire is connected to a switched power source (with power to the red wire and ground to the black wire, you should hear the internal relay click on when this wire is touched to 12v).

Headlights don't turn off 10 seconds after key-off:

- Make sure you connected the Black and Brown wires to the correct factory Black wire. There are two solid Black wires in the harness; one is for the headlights and the other is for the wipers. Disconnect the Brown wire from the T-Tap, turn the key on and turn the windshield wipers to intermittent mode. If the wipers will not activate, you clipped the wrong Black wire and you will need to repair the connection by stripping the clipped ends and install the supplied Butt connector.
- Make sure you clipped the factory Black wire between the T-taps.

Warranty:

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