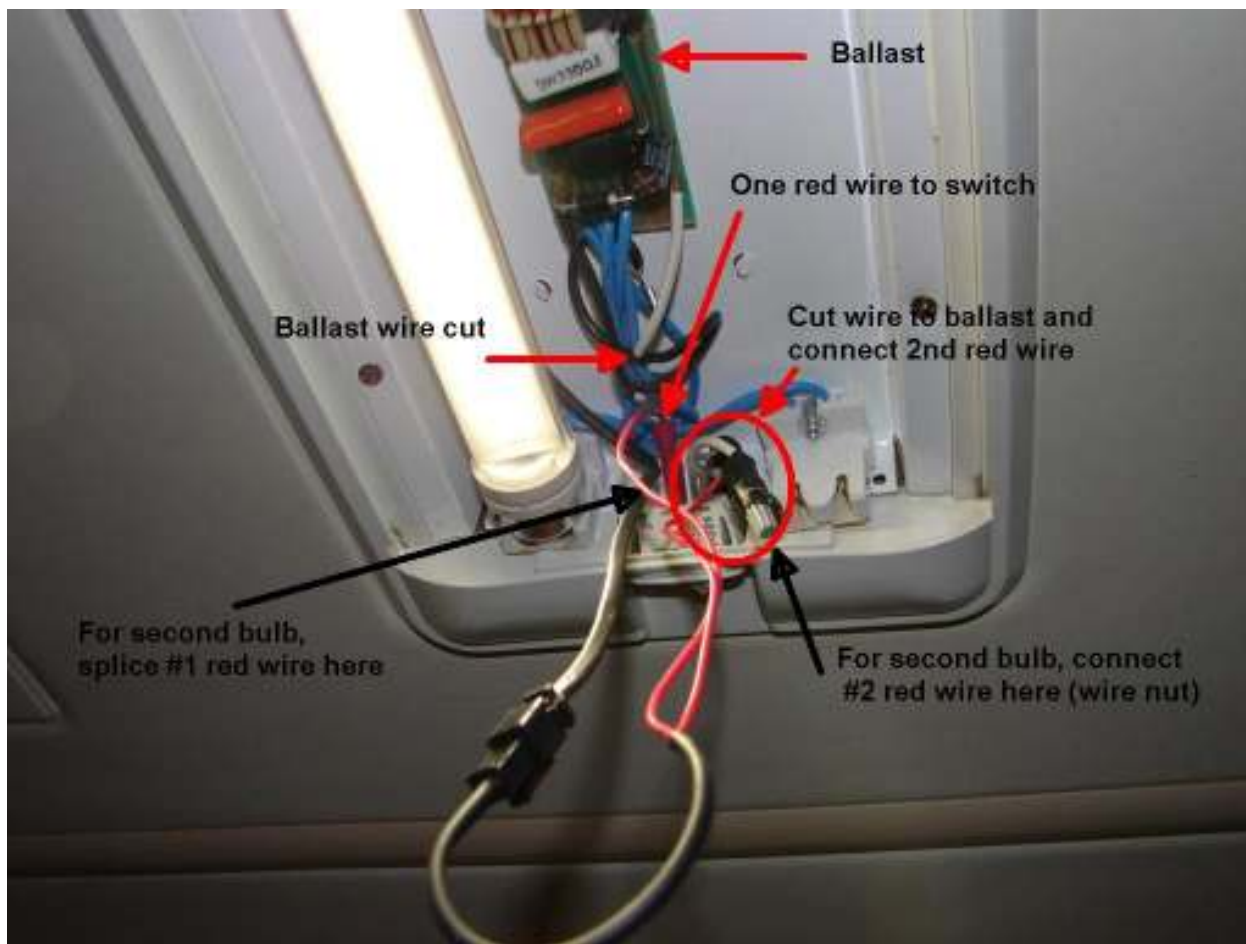


Revolution Led Installation Thin-lite and other Fluorescents With a Switch

Installation of the Revolution Led replacement for F8T5 and F15T8 fluorescents is quite easy, but the illustrations in the package are a bit hard to see and there isn't much help with the second Led in a twin tube fixture. Here is a larger, color photo of a typical installation on a Thin-lite 12v fluorescent fixture and some notes on which wire to cut and how to add a second Led.

The fixture in the photo is a Thin-lite with twin 18" tubes (F15T8) but the 12" (F8T5) is essentially identical. The ballast shown is an electronic circuit board, but some fixtures may have a more traditional looking enclosed ballast. They will still be wired the same way.



1. The two red wires on the Revolution Led are interchangeable, so no need to worry about hooking it up wrong.
2. Thin-lites have a switch, with one side of the switch connected to the RV 12v power line (+ or hot wire). The other side goes to the ballast. Simply pull the ballast wire off the switch terminal and slide on the red wire that already has a spade connector on it. The old wire that goes to the ballast can be tucked up out of the way. It is electrically dead, so cannot harm anything or short out.

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3. There will be another wire coming into the fixture from the coach and it goes direct to the ballast. That is the white wire in the picture. You need to cut this wire at any convenient point. Tuck the end of the wire that still goes to the ballast out of the way somewhere. It is electrically dead, so no worry about sparks. Then use the wire nut (provided in the light kit) to connect the remaining red wire to the external ground (negative) wire (white wire in this picture). Wrap the wire nut with some electrical tape to make sure it does not vibrate loose in your travels.

4. If you are installing two Led bulbs in the fixture, you will need to splice the second set of red wires to the first ones. The spade terminal is clipped from the wire on the second bulb and the red wire to the switch from the first bulb is also cut to provide a place to make the splice. Leave the stub of the red wire connected to the switch. One red wire from each of the first and second bulbs are twisted together and then connected to the stub of the red wire stub on the switch using a wire nut (included in the kit). The second red wire (see #2 in photo) on the second bulb is connected to the second red wire on the first bulb using the wire nut already in place for the first bulb.

That's all there is to it!

Gary Brinck
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