



## SERVICE LETTER SL-00011

**Date Released:** May 5, 2020 (Initial Release)  
**Date Effective:** May 5, 2020  
**Subject:** Optional RV-12iS Cockpit Light Dimmer Kit  
**Affected Models:** RV-12iS and RV-12  
**Affected Serial Numbers:** All RV-12iS and RV-12 model aircraft  
**Required Action:** Optional  
**Time of Compliance:** Optional  
**Supersedes Notice:** N/A  
**Labor Required / SLSA Warranty Allowance:** N/A  
**Level of Certification:** Owner, LSA Repairman Maintenance, A&P (not applicable to E-LSA)

### Synopsis:

Optional 12IS COCKPIT DIMMER KIT is now available for retrofit on all RV-12iS and RV-12 aircraft. Dimmer switch and housing attaches to roll bar and allows easy dimming of cockpit light.

### Materials Required:

The following materials are required to achieve compliance with this Service Letter:

- a. 12IS COCKPIT DIMMER KIT
- b. Wire Crimper/Stripper
- c. Diagonal Cutter
- d. Blind Rivet Puller/Gun
- e. #30 Drill Bit

## Method of Compliance:

**NOTE: For aircraft that do not have an existing cockpit light installation, please use the instructions provided in Section 40iS/U as a reference.**

**NOTE: Refer to Section 40iS/U for figures relating to the installation of the cockpit light. As required, refer to the common harness wiring schematic appropriate to your avionics (WH-00133, WH-00134, or WH-00136, or WH-00139).**

For aircraft that have an existing cockpit light installation:

1. Remove the LC ECL-02 Red Eyeball Cockpit Light from the F-12124 Light Bracket.
2. Cut/remove the two ES-00141 butt splices and the old LC ECL-02 light from the L6028 YEL/PRP and L6029 YEL/GRN wires coming out of the roll bar.
3. Strip the ends of the L6028 and L6029 wires.
4. Crimp a new ES-00141 connector onto the end of the L6029 YEL/GRN wire. This ground wire is no longer needed.
5. Disconnect the ES DV18-188-M terminal from the canopy latch switch COM terminal (i.e. the terminal on the end of the F6035 wire that is grounded to the F-1232A Roll Bar Brace).
6. Cut/remove the ES DV18-188-M terminal from the end of the F6035 wire.
7. Strip the end of the F6035 wire.
8. Cut a 6 in. [152.4 mm] length of the BLK wire included with the kit.
9. Strip both ends of the black wire. This is now the L6349 (Dynon), L7270 (Garmin G3X), or L7611 (Garmin Nav/Com) ground wire.
10. Crimp the L6349/L7270/L7611 ground wire and the L6035 wire into a new ES DV18-188-M terminal.
11. Strip the ends of the red and black wires coming from the WH-00144 RV-12iS Cockpit Light Dimmer Harness.
12. Connect the WH-00144 RED wire to the L6028 YEL/PRP wire using an ES-00141 butt splice.
13. Connect the WH-00144 BLK wire to the L6349/L7270/L7611 ground wire using an ES-00141 butt splice.
14. Reconnect the ES DV18-188-M to the canopy latch switch COM terminal.
15. Capture the butt splices and any extra wire inside the ES-00337 Dimmer Housing.

16. Rivet the ES-00337 to the F-12124 Light Bracket as shown in Section 40iS/U. The ground wire (and L6029 wire) will exit the ES-00337 in the channel between the forward and aft roll bar frames.
17. Make a logbook entry indicating compliance with SL 19-11-10 per the requirements of the controlling authority.
18. Place a copy of this service letter in the back of the Maintenance Manual for your aircraft. Note the addition of this service letter to the bottom of the Maintenance Manual table of contents.