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## Service Bulletin 10-3-17

**Date:** March 17, 2010

**Subject:** Possible radiator to cooler box assembly interference

**Affected Models:** RV-12 Powerplant Kits and Flying RV-12s

**Required Action:** [See RV-12 plans page 49-05 Rev 3](#). Check for required gap called out in View A-A between the EA RV-12 RADIATOR EGW Heat Exchanger and the FF-1204B/C Cooler Box Ribs.

**Time of Compliance:** Prior to next engine start.

**Synopsis:** The specified gap needs to be present between the EA RV-12 RADIATOR EGW Heat Exchanger and the FF-1204B/C Cooler Box Ribs. If parts interfere, fretting could lead to leaks in the heat exchanger.

### Corrective Action:

**1) If the builder **has not** yet installed the COWL 12 COOLING DUCT and FF-1209 Seal Face (**has not** yet completed Page 49-13 of the installation manual)**

If the EGW heat exchanger is interfering with the cooler box ribs, slot the heat exchanger attach holes horizontally to obtain the gap called out on Page 49-05 Rev 3, View A-A.

**2) If the builder **has** installed the COWL 12 COOLING DUCT and FF-1209 Seal Face (**has** completed Page 49-13 of the installation manual)**

Temporarily remove the EA RV-12 RADIATOR EGW Heat Exchanger and cut back the FF-1204B/C Cooler Box Ribs until the gap called out on Page 49-05 Rev 3, View A-A is obtained.

Double check for free operation of the cooler box door assembly. If the door interferes with the heat exchanger, the vertical stiffening flange may be bent to obtain the same gap called out on Page 49-05 Rev 3, View A-A for the cooler box ribs. If bending the flange does not result in the required gap, disassemble the cooler box door assembly. Replace the FF-1206B Cooler Box Hinge. When match-drilling the new hinge to the FF-1205 Cooler Box Door (see Page 49-03), move the door 1/16 inboard to create the required gap between the door and the heat exchanger.