



SERVICE LETTER SL-00009

Date Released: May 5, 2020 (Initial Release)

Date Effective: May 5, 2020

Subject: 912iS Maintenance Port Wiring

Affected Models: RV-12iS with WH-00133, WH-00134, or WH-00136
Common Harnesses shipped prior to January 6th, 2020

Affected Serial Numbers: All RV-12iS model aircraft

Required Action: Upgrade common harness to current configuration

Time of Compliance: At or before the next annual condition inspection

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:

CAN High and CAN Low wires for the Rotax B.U.D.S. 912iS maintenance port are located in the incorrect pin locations in the 25-pin HIC Connector Module d-sub. This will prevent B.U.D.S. software from communicating with the 912iS engine.

E6023 wires must be swapped at the 25-pin HIC Connector Module d-sub on WH-00133 (Dynom), WH-00134 (Garmin), and WH-00136 (Garmin Nav/Com) Common Harnesses: WHT wire should go to Pin 14 (CAN low) and WHT/BLU wire should go to Pin 15 (CAN high).

Materials Required:

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

- a. Phillips head screwdriver
- b. D-sub pin insertion/extraction tool (NorComp 170-901-170-000 or equivalent)

Method of Compliance:

1. Remove the F-01240-1 Upper Forward Fuselage Skin. Refer to Section 29iS/U as required.

2. Disconnect the 25-pin d-sub labeled "HIC" on the Common Harnesses from the AV-60009 HIC Connector Module. Refer to Section 42MiS/U as required.
3. Remove the backshell and locate Pin 14 and Pin 15.
4. Using the extraction tool, remove the WHT/BLU and WHT wires and their pins from the Pin 14 and Pin 15 locations in the 25-pin d-sub connector.
5. Insert the WHT wire and pin into the Pin 14 position and insert the WHT/BLU wire and pin into the Pin 15 position.
6. Reinstall the backshell and reconnect the 25-pin d-sub to the HIC Connector Module.
7. Reinstall the F-01240-1 Upper Forward Fuselage Skin.
8. Make a logbook entry indicating compliance with SL 19-11-08 per the requirements of the controlling authority.
9. 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.