

TOTAL PERFORMANCE VAN'S AIRCRAFT

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NOTIFICATION 16-01-16

Date Released: January 16th, 2016

Date Effective: January 16th, 2016

Subject: RV-12 ADS-B Out Installation

Affected Models: RV-12

Required Action: Replace GPS antenna, install position source, and setup new software

Time of Compliance: January 1st, 2020 (US Aircraft Only)

Supersedes Notice: None

Labor Required / SLSA Warranty Allowance: 2.5 Hours (Garmin) / None
0.6 Hours (SkyView) / None

Level of Certification: (Owner, LSA Repairman Inspection - *not applicable to SLSA*), LSA Repairman Maintenance, A&P, EFIS Dealer Approved by EFIS Manufacturer

Synopsis:

RV-12 aircraft operating in the US on or after the date mentioned above for time of compliance must per the FAA ADS-B Out Mandate be equipped with ADS-B out capability. This notification provides a means of compliance for both Garmin and Dynon avionics kit packages.

PART NUMBER

Garmin ADS-B Out

- a. Purchase the optional RV-12 ADS-B Out G3X Kit
- or
- b. Purchase the optional RV-12 ADS-B Out G3X XM Kit

SkyView ADS-B Out

- c. Purchase the optional WH-00129 SkyView GPS-2020 Harness (includes antenna)

Method of Compliance:

Step 1 (Garmin): Complete RV-12 KAI Section 61.

Step 2 (Garmin): Make a logbook entry indicating compliance with Notification 16-01-16.

Place a copy of this notification in the back of the maintenance manual for your aircraft. Note the addition of this notification to the bottom of the Maintenance Manual table of contents.

NOTE: The remaining steps are for Dynon SkyView installations. Before beginning download the latest electrical schematic, read me file and software from the downloads page of the Van's Aircraft Web Site. Download KAI sections 42C from the RV-12 Service Information page.

Step 3: Remove the top cowling from the aircraft as described in Chapter 12 of the Maintenance Manual.

Step 4: Remove the hardware that attaches the SV-GPS-250 as shown in KAI Section 42C.

Step 5: Remove the PFD (Primary Flight Display ... pilot side EFIS) from the panel. See KAI Section 42C.

Step 6: Remove the GPS 9-pin d-sub connector from the AV-50000A Control Module.

Remove the backshell from the GPS d-sub.

Remove the pins from the d-sub connector.

NOTE: All 5 serial ports (ELT, ADS-B, XPNDR, COM, GPS) are in use. There is no room for the old SV-GPS-250 to be installed as a second GPS. Some older aircraft not using ELT data may consider using the ELT port for a second GPS (you are on your own if you go down this path!). We consider the positional accuracy provided by GPS data to the ELT to be of greater safety benefit than a second GPS. Remember this is a VFR aircraft.

Step 7: Pull the wires forward through firewall penetration hole and grommet.

Remove the old SV-GPS-250.

Step 8: Install the SV-GPS-2020 in the same position as the SV-GPS-250 was removed. Use the hardware removed in Step 4. Follow the instructions in Section 42C.

Step 9: Complete the steps found in the SV-PRE-SETS-READ-ME_MM-DD-YY instructions from the downloads page of the Van's Aircraft web site.

Step 10: Make a logbook entry indicating compliance with Notification 16-01-16.

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