



VAN'S AIRCRAFT
TOTAL PERFORMANCE

14401 Keil Road NE, Aurora, Oregon, USA 97002
PHONE 503-678-6545 • FAX 503-678-6560
www.vansaircraft.com • info@vansaircraft.com

NOTIFICATION 19-02-28

Date Released: 2/28/2019 (Initial Release)
12/18/19 (Changes made for clarification)

Date Effective: 2/28/2019

Subject: Gear Leg Replacement with gun drilled gear legs.

Affected Models: RV-12 and RV-12iS

Affected Serial Numbers: S-LSA 12006 – 12076, Kits N/A

Required Action: None – Optional change or upgrade

Time of Compliance: N/A

Supersedes Notice: None

Labor Required / SLISA Warranty Allowance: 8 Hours

Level of Certification: LSA Repairman Maintenance, A&P (not applicable to E-LSA)

Synopsis: Gun drilled gear legs were introduced in kits and S-LSA aircraft after February 2019. If older gear legs need to be replaced, or owners wish to upgrade to the new legs for a more streamlined look, follow this procedure.

Materials Required:

The following materials are required to complete the steps necessary to achieve compliance with this Notification

Purchase a new part from Van's Aircraft:

Part no. N 19-02-28 KIT iS for fuselage kits shipped after August 2017.

Part no. N 19-02-28 KIT ULS for fuselage kits shipped prior to August 2017.

These kits include the new gear legs, brackets and new hardware, where necessary. Some hardware/parts will be reused.

Method of Compliance:

Step 1: Follow the Maintenance Manual procedure to remove the wings and support the fuselage with the wheels off the ground.

Step 2: Remove the wheel pants, if installed. Drain the brake fluid from the brake lines. Refer to Maintenance Manual.

NOTE: Refer to KAI 35 or KAI 35iS/U for this and subsequent steps.

Step 3: Remove the wheels, brakes and axles.

Step 4: Remove the F-1276B Cover Plates under the center section. See KAI 38iS/U or KAI 35.

Remove both the brake lines attached to the U-1203 Inboard Main Gear Attach Brackets.

Step 5: Remove both U-1203's, and the U-1220-L/R Main Landing Gear Legs.

Step 6: Follow the procedure outlined in KAI 35 or 35iS/U to install the U-01220-L/R-1 Main Landing Gear Legs. This will include new brake lines from the bottom of the gear legs to the brake cylinders.

Reinstall the axles, wheels and brakes.

Check for any changes to toe-in caused by the new legs.

NOTE: The plastic brake lines will need to be pulled through further to reach the new fittings on the gear leg. In some cases, this may not be possible. If so, replace the brake lines from the pilot side master cylinders to the gear legs with new, longer lines. Refer to KAI section 28iS/U. Material is Van's part PT-062X1/4X9' (two required).

Step 7: Refill fluid, bleed and check brake system. Refer to Maintenance Manual.

Step 8: Make a logbook entry indicating compliance with N 19-02-28.

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.