



## SERVICE BULLETIN 16-05-23

<b>Date Released:</b>	January 27, 2020: Revised – Nose fork replacement made mandatory May 23, 2016: Initial document release date (this version supersedes)
<b>Date Effective:</b>	May 23, 2016
<b>Subject:</b>	WD-1230 Nose Fork cracks
<b>Affected Models:</b>	All RV-12 aircraft using the WD-1230 Nose Fork
<b>Required Action:</b>	Inspect WD-1230 Nose Fork for cracks and replace at the next condition or annual inspection or 100-hour inspection; perform periodic reinspection until component replacement has been completed
<b>Time of Compliance:</b>	Inspect before further flight, then at 25-hour intervals, and replace at the next annual or 100-hour inspection
<b>Supersedes Notice:</b>	Service Bulletin 10-12-14
<b>Labor Required / SLSA Warranty Allowance:</b>	N/A
<b>Level of Certification:</b>	E-LSA... Minimum, Repairman (LSA) with an inspection rating S-LSA... Minimum, Repairman (LSA) with maintenance rating or A&P

### Synopsis:

Several cracked WD-1230 Nose Forks have been reported on RV-12 aircraft in the field since the issuance of SB 10-12-14. In a handful of instances, the fork has failed.

It was evident in these cases that either a) the crack was not being detected at previous inspections, or b) the inspections were not being carried out per the original requirements described in the initial release of this service bulletin.

Due to the potential safety risk associated with these cracks not being discovered prior to an occurrence of failure, the following is now required:

- Replacement of the WD-1230 part at or before the next condition/100-hour inspection has been made mandatory
- A periodic reinspection schedule has been established requiring the fork be inspected every 25 hours until the WD-1230 fork has been replaced

**Materials Required:**

The following materials are required to complete the steps necessary to achieve compliance with this Service Bulletin.

Kit required for all replacements:  
12 NOSE FORK CONVERSION

Additional kit required only if you have a nose wheel pant installed:  
12 NOSE WHL FAIRING CONVERSION

**Method of Compliance:**

Step 1: Remove the Nose Wheel Fairing, if applicable.

Step 2: Visually inspect both sides of the WD-1230 Nose Fork for cracks in the locations shown in Figures 1 and 2.

Step 3 (No Cracks): If NO cracks are discovered the nose fork may be returned to service until the next annual or 100-hour condition inspection. Perform this inspection every 25 hours until the nose fork replacement described in this document is completed. Skip to Step 7.

Step 4 (Cracking Found): If cracks ARE discovered, immediately remove the nose fork from service and replace the nose fork using the kit(s) listed in the Materials Required section of this service bulletin. Skip to Step 7.

Step 5: At the next annual or 100-hour condition inspection following the release of this notice, replace the nose fork using the kit(s) listed in the Materials Required section of this service bulletin.

Step 6: Reinstall the Nose Wheel Fairing if removed.

Step 7: Make an entry in the aircraft logbook indicating compliance with this Service Bulletin.

