

**DATE RELEASED**

06-13-23

DATE EFFECTIVE

06-13-23

SUBJECT

Nose Gear Leg Weld Cracks

EFFECTIVITY**MODEL-** Ranger R7**SERIAL NO:** ALL AIRCRAFT IN THE RANGE OF: **10131-10171****REASON**

Fatigue cracks have been identified on the welded connection of the nose gear landing leg. This is due to insufficient weld penetration between the steel tubes. If the crack is left to propagate this could lead to a failure of the nose landing leg.

REQUIRED ACTION

Inspect nose gear weld seam.

TYPE OF MAINTENANCE

Low.

MINIMUM LEVEL OF CERTIFICATION

Owner / Pilot.

TIME OF COMPLIANCE

Inspect immediately. After that inspect in 25hr intervals until 100hr inspection. After this, the inspection interval can default to each annual inspection.

METHOD OF COMPLIANCE

Inspect the landing leg as shown in Figure 1. An example of what a crack looks like is shown in Figure 2. "Chipping" of the paint is a strong indication of a metal fatigue crack. If any cracks are present, contact Vashon Aircraft Support for corrective action:

support@vashonaircraft.com

(425) 527-9944

LABOR REQUIRED:

None at this time.

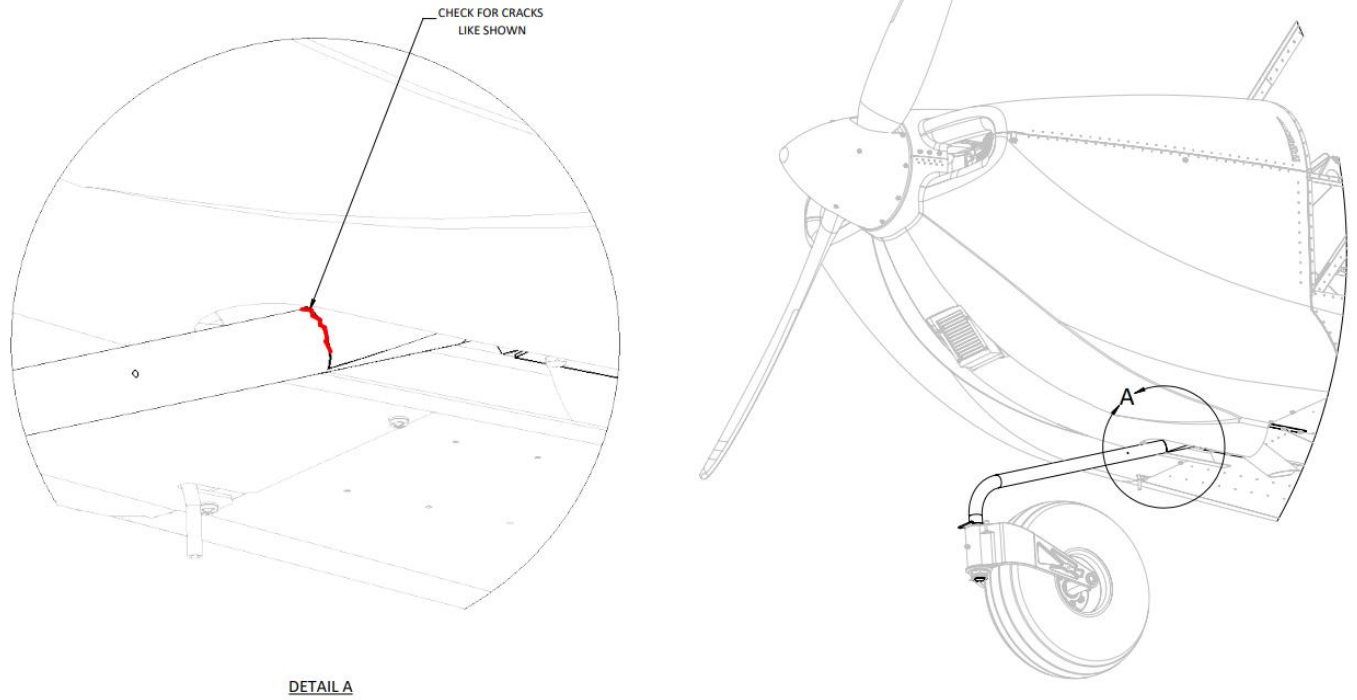


Figure 1



Figure 2