

**DATE RELEASED:**

08-08-25

DATE EFFECTIVE:

08-08-25

SUBJECT:

Main Landing Gear Wheel Cracks

EFFECTIVITY:

MODEL: Ranger R7
SERIAL NO: 10131-10246, 10248

Rev A	-INITIAL RELEASE
REV B	-SERIAL NO. Effectivity Revised -TIME and METHOD OF COMPLIANCE updated to show corrective action with upgraded replacement

SYNOPSIS:

Fatigue cracks have been identified on some main landing gear wheel halves. If the cracks are left to propagate the wheel halves could fail.

REQUIRED ACTION:

Inspect both main landing gear wheels. This does not apply to the nose wheel.

TYPE OF MAINTENANCE:

Inspection- Low
 Replacement-Moderate

MINIMUM LEVEL OF CERTIFICATION:

Inspection- Owner/Pilot
 Replacement- LSR-M or higher

TIME OF COMPLIANCE:

Inspect for cracks before flight. Replace with the upgraded HD wheel halves at any time.

METHOD OF COMPLIANCE:

Inspect the outboard wheel half wheels for cracks, on EACH main landing gear. An example of what a crack could look like is shown in Figure 2. If any cracks are present, contact Vashon Aircraft Support for corrective action.

This service bulletin is null when the existing wheel halves are replaced with the upgraded HD wheel halves.

LABOR REQUIRED:

Inspection- .25hrs
 Replacement-2.5hrs



INSPECTION

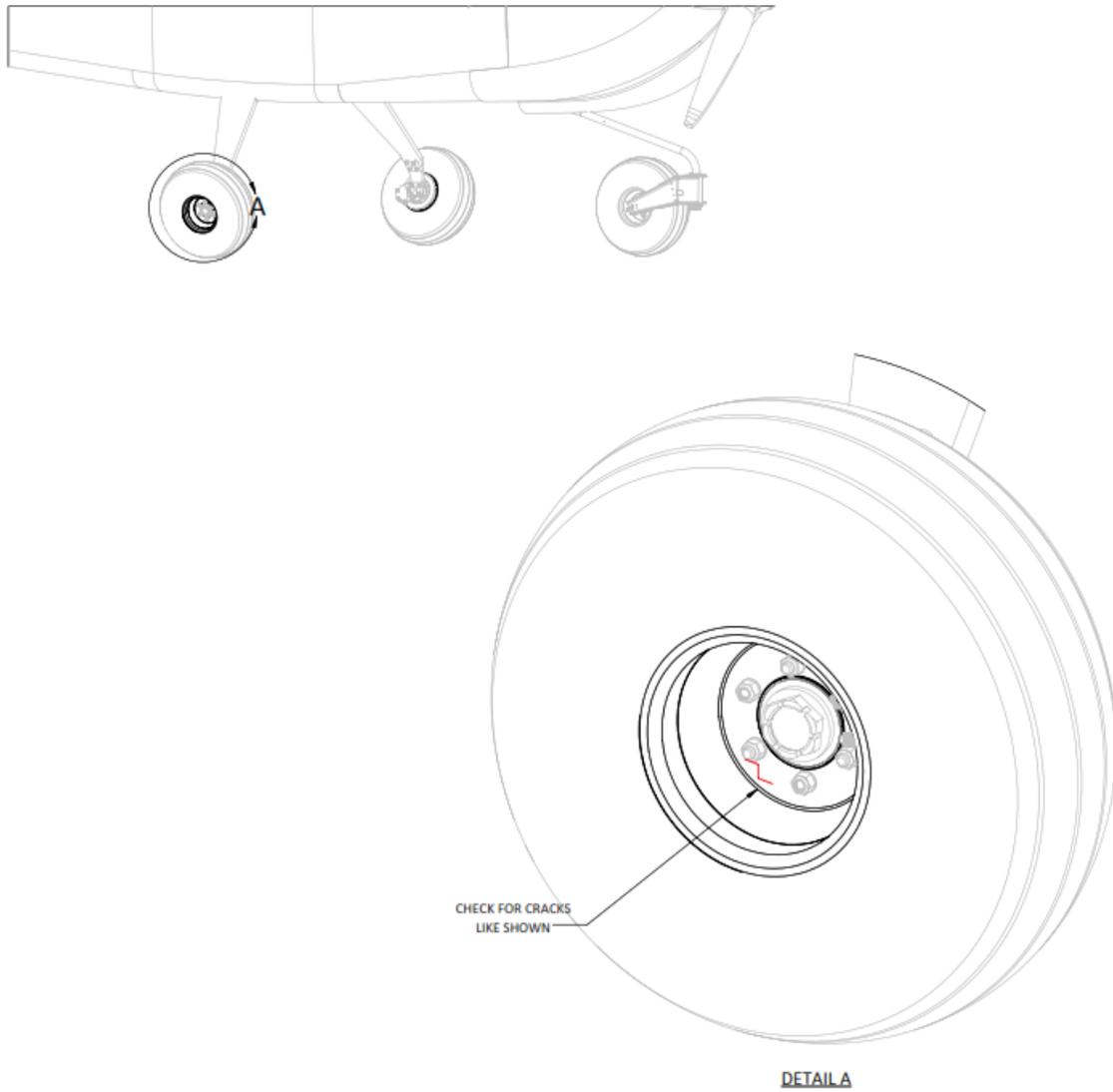


Figure 1



Figure 2

REPLACEMENT

Replace the existing main wheel halves (.160" thick) with the HD wheel halves (.190" thick). The part number for the HD halves are **MH62-6-25HDH(S)-KIT** and can be sourced directly from Matco Aircraft Landing Systems. For simplicity, follow this link: [HD Wheel Halves](#). Qty 1 "kit" ordered contains two sets of wheel halves (i.e. enough for both wheels).

Replace per the Vashon Aircraft Maintenance Manual.