

**R66 SERVICE LETTER SL-22**

**DATE:** 21 July 2017

**TO:** R66-series Owners, Operators, and Maintenance Personnel

**SUBJECT:** R66 Marine Skid Extension Kit

**BACKGROUND:** RHC has received reports of landing gear vibration on pop-out-float-equipped R66s which feed back into the fuselage and are noticeable in flight. A skid extension kit with tuned dampers has been developed to reduce this vibration.

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**COMPLIANCE PROCEDURE:**

If helicopter is equipped with pop-out floats and undesirable landing gear vibration is encountered:

**NOTE**

Visually verify source of vibration is the landing gear skid extensions. This can be accomplished by hovering the helicopter with a nearby ground observer.

1. Order one KI-252 kit from RHC Customer Service.
2. Remove landing gear assembly per R66 Maintenance Manual (MM) § 32-10.
3. Inspect spherical bearings at C276-3 shackle assemblies (2 per aircraft), and F277-1 support assembly and F574-1 support assembly (1 each per aircraft). Replace shackle and/or support assemblies if bearings are damaged or frozen. Note: It may be possible to free a frozen bearing by inserting a rod through the bearing hole and using it as a lever to rotate the ball. Bearings may be lubricated with WD-40<sup>®</sup> ([www.wd40.com](http://www.wd40.com)).
4. Install KI-252 kit per kit instructions.

**APPROXIMATE COST:**

Parts: Order one KI-252 kit from RHC Customer Service. (No charge for R66 Marine helicopters covered under two-year warranty.)