

ROBINSON HELICOPTER COMPANY

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R44

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SERVICE LETTER SL-33

DATE: 19 December 2007

TO: All R44 and R44 II Owners, Operators, and Service Centers

SUBJECT: Additional inspection criteria for sprag clutches

BACKGROUND: A number of sprag clutches returned to RHC have revealed damage upon disassembly. For early detection of damage in service, use of a mechanic's stethoscope is recommended.

COMPLIANCE PROCEDURE:

Perform at each 100-hour/annual inspection runup:

After shutting down engine, the mechanic should position stethoscope* probe against clutch aft C168-4 seal retainer while drive train slows without applying rotor brake. Clicking, scratching, or grinding sounds from within are cause for removal of C018 clutch assembly. Return suspect clutch assemblies to either RHC or an R44 Service Center having component overhaul authorization.

*such as Snap-On Tools part number GA111D (www.snapon.com), or equivalent.

