

R66 SERVICE LETTER SL-41
(supersedes R66 SL-34 and SL-34A)

DATE: 30 June 2021

TO: R66 Owners, Operators, and Maintenance Personnel

SUBJECT: Erratic N1 Indication/EMU Recordings

EFFECTIVITY: F049-02, F049-09, or F049-012 engine harness revision Q or prior, originally installed on R66 Helicopters S/N 0003 thru 1021, or sold as spares. F049-012 Revision R and subsequent engine harnesses are not affected. Engine harness part number & revision letter are printed on blue heat-shrink on harness near MGT thermocouple terminals.

BACKGROUND: Some R66 helicopters continue to experience erratic N1 indications and/or erroneous N1 EMU recordings even after complying with R66 SL-34 or SL-34A. New harness kits with an improved N1 connector incorporating a backshell are available. The new kits also install an o-ring in the N1 sender's connector well and add an exhaust shield.

PROCEDURE:

Install appropriate Engine Electrical Harness Upgrade Kit:

R66 S/Ns 0003 thru 0274, use KI-223 Revision C (or subsequent) kit.

R66 S/Ns 0275 thru 1021, use KI-223-2 kit.

NOTE: Affected spare harnesses may be returned to RHC for exchange by 31 December 2021.