

R66 SERVICE LETTER SL-27

DATE: 05 November 2018

TO: R66-series Owners, Operators, & Maintenance Personnel

SUBJECT: Lithium-Ion Main Battery Transient Voltage Drop

ROTORCRAFT AFFECTED: R66 Helicopters S/N 0885 and prior equipped with lithium-ion main battery.

BACKGROUND: RHC has found that some early lithium-ion batteries may allow a momentary voltage drop when the starter/generator is switching modes, such as when the starter motor disengages at the end of a start or when the generator is switched ON. A capacitor can be added to the aircraft harness which prevents the electrical system from seeing the transient drop.

COMPLIANCE PROCEDURE:

If, during a start or when switching the generator ON, the OAT/voltmeter goes blank (indicating a drop below minimum operating voltage), order a KI-247-3 capacitor installation kit and install per kit instructions.

NOTE

Although RHC has not discovered any detrimental effects of the transient voltage drop, installation of the kit is recommended.

MOD 4 or later revision batteries are modified to prevent the voltage drop. The capacitor may be removed or left in place at owner's discretion if a replacement MOD 4 battery is installed.

APPROXIMATE COST:

Parts: No charge for one KI-247-3 kit. Reference helicopter serial number.