

R44 SERVICE BULLETIN SB-111

DATE: 23 February 2022

TO: R44-series Owners, Operators, and Maintenance Personnel

SUBJECT: C143-2 Sensor (Engine RPM) Wiring

EFFECTIVITY:

- R44 Helicopter S/Ns 2625 thru 2669.
- R44 Cadet Helicopter S/Ns 30061, 30071 thru 30080, 30083, & 30084.
- R44 II Helicopter S/Ns 14364, 14412 thru 14512, 14514 thru 14517, 14519 thru 14521, & 14525.

TIME OF COMPLIANCE: Within next 5 flight hours or by 31 March 2022, whichever occurs first.

BACKGROUND: Damaged wiring can cause erratic D270-1 governor controller operation. This bulletin requires inspecting the engine-RPM sensor wiring and modifying the wiring connection to the airframe harness with different connectors for improved clearance and strain relief.

COMPLIANCE PROCEDURE:

1. Order one KI-287 kit for each affected helicopter and install per kit instructions.
2. With an appropriately rated person at controls, perform starting engine and run-up checklist per Section 4 of applicable Pilot's Operating Handbook. Run helicopter for 5 minutes and verify proper governor operation.
3. Make appropriate maintenance record entries.

APPROXIMATE COST:

Parts: No charge for KI-287 if ordered by 31 March 2022.

Labor: 4.5 labor-hours.