

R22 SERVICE BULLETIN SB-121

DATE: 28 June 2023

TO: R22-series Owners, Operators, and Maintenance Personnel

SUBJECT: D270-1 Governor Controller Upgrade

EFFECTIVITY: P/N D270-1 Revision A thru E Governor Controllers. Affected controllers were factory installed on:

R22 Helicopter S/Ns 4825 thru 4887.

Affected controllers were also shipped as spares from October 2020 thru May 2023.

TIME OF COMPLIANCE: By 29 February 2024.

BACKGROUND: Moisture incursion may cause D270-1 governor controller malfunction. This bulletin requires exchanging Revision A thru E controllers for Revision F (or subsequent) controllers, which incorporate additional moisture protection.

COMPLIANCE PROCEDURE:

1. For each affected controller, order one D270-1R governor (suffix "R" indicates exchange).

NOTE: If desired, download & save existing EMU data prior to removing affected controller; replacement controller will have blank EMU.

2. Remove governor controller per R22 MM § 8.231.
3. Install D270-1 Revision F (or subsequent) controller per R22 MM § 8.232.
4. With an appropriately rated person at controls, perform starting engine and run-up checklist per Section 4 of R22 Pilot's Operating Handbook. Run helicopter for 5 minutes and verify proper governor operation.
5. Program new EMU ID per [R22 & R44 EMU Technician's Guide](#); ensure host computer has EMU Technician's Software version 1.0.1.1 (released June 2023) or subsequent.
6. Make appropriate maintenance record entries.

APPROXIMATE COST:

Parts: \$1800, refunded upon return of affected controller. Alternately, return affected controller first to avoid charge. Order must include helicopter serial number.

Labor: 2 labor-hours.

THE DESIGN ENGINEERING ASPECTS OF THIS BULLETIN HAVE BEEN SHOWN TO COMPLY WITH APPLICABLE FEDERAL AVIATION REGULATIONS AND ARE FAA APPROVED.