



U.S. Department
of Transportation
**Federal Aviation
Administration**

Compliance & Airworthiness Division
Los Angeles ACO
3960 Paramount Boulevard
Lakewood, California 90712-4137

August 5, 2022

In Reply Refer To: 791-22-00049

Stephen R. Turnour
Engineering Department
Robinson Helicopter Company
2901 Airport Drive
Torrance, CA 90505

Subject: Approval of Alternative Method of Compliance (AMOC) to Airworthiness
Directive (AD) 2022-12-08

Reference: Received letter 44-22 07-02, dated July 19, 2022

Dear Mr. Turnour:

The Federal Aviation Administration (FAA) has received the referenced letter requesting approval for an Alternative Method of Compliance (AMOC) to paragraph (g) of Airworthiness Directive (AD) 2022-12-08. AD 2022-12-08 requires inspecting the engine revolutions per minute (RPM) sensor wiring and installing a wiring kit in certain Robinson R22 and R44 model helicopters.

This revised AMOC approval corrects a serial number error made in letter 791-22-00021.

Your letter requests an AMOC to paragraph (g) of AD 2022-12-08 that refers to kit instructions KI-288 Revision A, dated February 23, 2022, and KI-287 Revision A, dated February 23, 2022.

Your AMOC proposal requests the following later revisions of these kit instructions to be substituted:

For KI-287 Revision A:

KI-287 Revision B, dated March 28, 2022

For KI-288 Revision A:

KI-288 Revision B, dated March 4, 2022; or

KI-288 Revision C, dated March 28, 2022

Your proposal provides an acceptable level of safety as these revisions for kit instructions KI-287 and KI-288 include minor clarifications.

The Los Angeles ACO Branch has reviewed and approves the above revisions of kit instructions KI-287 and KI-288, as defined by your request letter, as an AMOC to the "Required Actions" stated in paragraph (g) of AD 2022-12-08.

In accordance with FAA Order 8110.103, the following limitations apply to this AMOC:

1. All provisions of AD 2022-12-08 that are not specifically referenced above remain fully applicable and must be complied with accordingly.
2. This approval is applicable only to model R22 BETA helicopters serial numbers (S/Ns) 4826 through 4857 inclusive, 4860 and 4861, model R44 and R44 II helicopters, serial numbers (S/Ns) 2625 through 2669 inclusive, 30061, 30071 through 30080 inclusive, 30083, and 30084.
3. This FAA AMOC is transferable with the aircraft to an operator that operates the aircraft under U.S. registry.
4. Before using this AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local Flight Standards District Office/Certificate Holding District Office.

The preceding paragraph also applies to any applicable foreign-registered aircraft upon transfer of the aircraft to the U.S. registry if compliance with the AMOC has not been accomplished.

5. The Los Angeles ACO Branch will revoke this AMOC if the Los Angeles ACO Branch later determines that this AMOC does not provide an acceptable level of safety.
6. This AMOC only applies to the FAA AD listed above. The FAA does not have the authority to approve this as an AMOC to any AD issued by another civil aviation authority (CAA). Approval of an AMOC to another CAA's AD must come from that CAA. A copy of this response will be forwarded to the CAA where these aircraft are registered for their consideration.

If you have any questions regarding this correspondence, please contact Jeffrey Chang, Aerospace Engineer, by telephone at (562) 627-5263, or by email at Jeffrey.Chang@faa.gov.

Sincerely,

Original Signed by

(for) Gregory S. DiLibero
Aviation Safety
Manager, Los Angeles ACO Branch
Compliance & Airworthiness Division
Aircraft Certification Service