



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

Aviation Safety  
Aircraft Certification Service  
Compliance & Airworthiness Division

West Certification Branch  
3960 Paramount Boulevard, Suite 100  
Lakewood, CA 90712-4102

DATE: See digital signature

In reply, refer to: 775-24-00216

Mr. Stephen Turnour  
Robinson Helicopter Company  
2901 Airport Drive  
Torrance, CA 90505

Dear Mr. Turnour:

References: (1) Robinson Request Letter 44-24-05-03, dated May 13, 2024  
(2) R22 Retrofit Kit Instructions KI-288, Revision A, dated February 23, 2022  
(3) R44 Retrofit Kit Instructions KI-287, Revision A, dated February 23, 2022  
(4) R22 Retrofit Kit Instructions KI-288-1, Revision A, dated April 24, 2024  
(5) R44 Retrofit Kit Instructions KI-287-1, Revision A, dated April 24, 2024

Subject: Approval of Alternative Method of Compliance (AMOC) to paragraphs (g)(1) and (g)(2) of Airworthiness Directive (AD) 2022-12-08 for Robinson Helicopter Company Model R22 and R44 Aircraft

The Federal Aviation Administration (FAA) has received the reference (1) letter requesting an AMOC to AD 2022-12-08.

AD 2022-12-08 mandates accomplishment of reference (2) for R22 helicopters and (3) for R44 helicopters which give instructions for inspection of the engine RPM sensor wiring and if necessary, repair or replacement of the wiring. They also give instructions to replace an electrical connector in the engine rotations per minute (RPM) sensor wire harness. The subject electrical connector that AD 2022-12-08 mandates replacement of was installed in such a way that required the use of ty raps which potentially damaged wiring.

We have reviewed your reference (1) request and find that your proposal provides an acceptable level of safety with regards to the requirements of paragraphs (g)(1) and (g)(2) of AD 2022-12-08 because you have shown that the reference (4) and (5) instructions remove the unsafe wiring condition that AD 2022-12-08 was released to correct.

We approve your request to use the reference (4) instructions as an AMOC to the accomplishment instructions in paragraph (g)(1) of AD 2022-12-08. We also approve your request to use the reference (5) instructions as an AMOC to the accomplishment instructions in paragraph (g)(2) of AD 2022-12-08.

This letter is issued pursuant to the authority of the Manager of the West Certification Branch, referenced in paragraph (i)(1) of AD 2022-12-08. You will not receive a hard copy AMOC approval in the U.S. mail, this letter is your approval.

The following limitations apply to this AMOC:

- All provisions of AD 2022-12-08 that are not specifically referenced above remain fully applicable and must be complied with accordingly.
- This approval is applicable to Robinson Helicopter Company Model R22 and R44 aircraft.
- This FAA AMOC is transferable with the aircraft to another owner/operator.
- 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.

- 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 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, or need additional information, please contact Mr. Eric Moreland at (562) 627-5364 or email at [Eric.R.Moreland@faa.gov](mailto:Eric.R.Moreland@faa.gov).

Sincerely,

*for* Gregory S. DiLibero  
Manager, West Certification Branch  
Compliance & Airworthiness Division  
Aircraft Certification Service