



**R44 MAINTENANCE MANUAL  
and  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
RTR 460 VOLUME I**

Production Certificate Number 424WE

Type Certificate Number H11NM



Robinson Helicopter Company  
2901 Airport Drive  
Torrance, California 90505-6115  
United States of America

Phone: (310) 539-0508  
Fax: (310) 539-5198  
Web: <https://robinsonheli.com>

**OFFICE HOURS**

Monday through Friday, 6:00 a.m. to 6:00 p.m., Pacific Time.

**CUSTOMER SUPPORT AND SPARES ORDERS**

Please visit our website <https://robinsonheli.com/support> for the latest customer support contact information. You can also find a map of our global dealers and service centers that will be able to assist at <https://robinsonheli.com/dealers-and-service-centers>.

**PUBLICATIONS**

Viewing RHC Maintenance Manuals (MMs) and Illustrated Parts Catalogs (IPCs) online at <https://robinsonheli.com/publications> is recommended to ensure use of current data. Viewing MMs and IPCs offline via paper or digital download requires verification that the data is current. Refer to the online MM or IPC Revision Log for the list of current pages.

**SUBSCRIPTION ORDER AND RENEWAL FORMS**

Subscription order and renewal forms are located at <https://robinsonheli.com>.

**WARRANTY INFORMATION**

Helicopter and parts warranty information is located at <https://robinsonheli.com>.

**TRADEMARK ACKNOWLEDGMENTS**

All trademarks and registered trademarks are the property of their respective owners. Reference to any specific commercial products, process, or service by trade name, trademark, or manufacturer does not necessarily constitute or imply its endorsement.

**NOTE**

Failure to include the ® or ™ symbols or to capitalize specific brand names within the body of this manual does not constitute a waiver of the trademark rights by the respective owners.

- CherryMAX® is a registered trademark of Cherry Aerospace.
- Heli-Coil® is a registered trademark of Böllhoff Group.
- Loctite®, Alodine®, and BONDERITE® are registered trademarks of Henkel AG & Co. KGaA.
- LPS® is a registered trademark of ITW Pro Brands.
- Molykote® is a registered trademark of DuPont Specialty Products USA, LLC.
- Palnut® is a registered trademark of A. Raymond Tinnerman.
- Scotch-Brite™ is a trademark of 3M Company.
- Teflon™ is a trademark of The Chemours Company FC, LLC.
- Ty-Rap® is a registered trademark of ABB Installation Products.

**CHAPTER LIST**

	Introduction
Chapter 1	General
Chapter 2	Inspection
Chapter 3	Life-Limited Components
Chapter 4	Airframe
Chapter 5	Landing Gear
Chapter 6	Powerplant
Chapter 7	Drive Train
Chapter 8	Flight Controls
Chapter 9	Rotor Systems
Chapter 10	Rigging, Track and Balance
Chapter 11	Environment Control
Chapter 12	Fuel System
Chapter 13	Instruments
Chapter 14	Electrical and Avionics Systems
Chapter 15	Furnishings
Chapter 16	Dimensions and Descriptions
Chapter 17	Jacking and Hoisting
Chapter 18	Weight and Balance
Chapter 19	Ground Handling
Chapter 20	Parking and Storage
Chapter 21	Placards and Markings
Chapter 22	Servicing
Chapter 23	Standard Practices
Chapter 24	Autopilot
Chapter 25	Hydraulics
Chapter 26	Lights
Chapter 27	Doors and Windows
Chapter 28	Main Rotor
Chapter 29	Main Rotor Drive System
Chapter 30	Tail Rotor
Chapter 31	Tail Rotor Drive System
Chapter 32	Engine Controls
Chapter 33	Engine Oil System
Chapter 34	Police Version
Chapter 35	E.N.G. Version
Chapter 36	Cadet Version
Chapter 37	Electrical System
Chapter 38	Avionics
Chapter 39	Wiring Diagrams
Chapter 40	Special Tools
Chapter 41	Revision Log

Intentionally Blank



Intentionally Blank