

R44-series Starter Warning Circuit Conversion Kit Instructions

Kit installs fuse assembly to provide protection for starter warning electrical circuit. Applicable to R44 S/N 2625 & prior, Cadet S/N 30070 & prior (except 30061), and R44 II S/N 14411 & prior (except 14364).

NOTE

Visit www.robinsonheli.com to verify kit instructions are current revision. Review instructions before installation; contact RHC Technical Support with questions. Verify kit contents match list; contact RHC Customer Service if parts are missing or damaged.

ITEM	PART NUMBER	KIT CONTENTS	QTY
1	KI-290-2Instr.	Kit Instructions	1
2	B263-1	Pin	1
3	B263-10	Housing	1
4	B330-16	Palnut	1
5	B304-20	Fuse Assembly	1
6	MS3367-4-9+	Ty-Rap (Note: "+" in contents part number indicates 20-qty pack)	1

Special Tools

- Wire stripping and crimping tools

Kit Instructions

1. Turn BATTERY switch OFF. Disconnect lead-acid battery per R44 Maintenance Manual (MM) § 37-10 or lithium-ion battery per MM § 37-12, as applicable.

NOTE

Parenthetic dash numbers, such as (-591), indicate number marked on wiring insulation (if single conductor), or jacket (if multi-conductor and/or shielded).

2. Refer to R44 Illustrated Parts Catalog (IPC) Figure 71-51 or 71-55. Disconnect wire (-591) or (-1602) from starter. Wire (-591) & (-1602) location is similar for C859 airframe harness. Retain nut and lockwasher.
3. Refer to Figure 1. Carefully remove ty-raps from airframe harness and trim 7 inches from ring terminal on wire (-591) or (-1602). Strip end and install B263-1 pin on wire (-591) or (-1602). Inspect crimp per MM § 23-84. Verify security of pin. Insert pin into B263-10 housing. Verify security of pin in housing.
4. Connect B263-10 housing and B304-20 fuse assembly as shown. Secure wires to airframe harness using appropriately sized ty-raps. Cinch ty-raps until snug without over-tightening, and trim tip flush with head.
5. Install B304-20 fuse assembly ring terminal to starter using retained nut and torque to 60 in-lb.

Kit Instructions (continued)

- 6. Install new B330-16 palnut and torque to 20-40 in-lb.
- 7. Connect battery per MM § 37-10.
- 8. Make appropriate maintenance record entries. Weight and Balance change is negligible.
- 9. Functional test STARTER ON caution circuit by having appropriately rated person run-up helicopter and verify starter motor is engaged in accordance with Pilot's Operating Handbook (POH) Section 3.

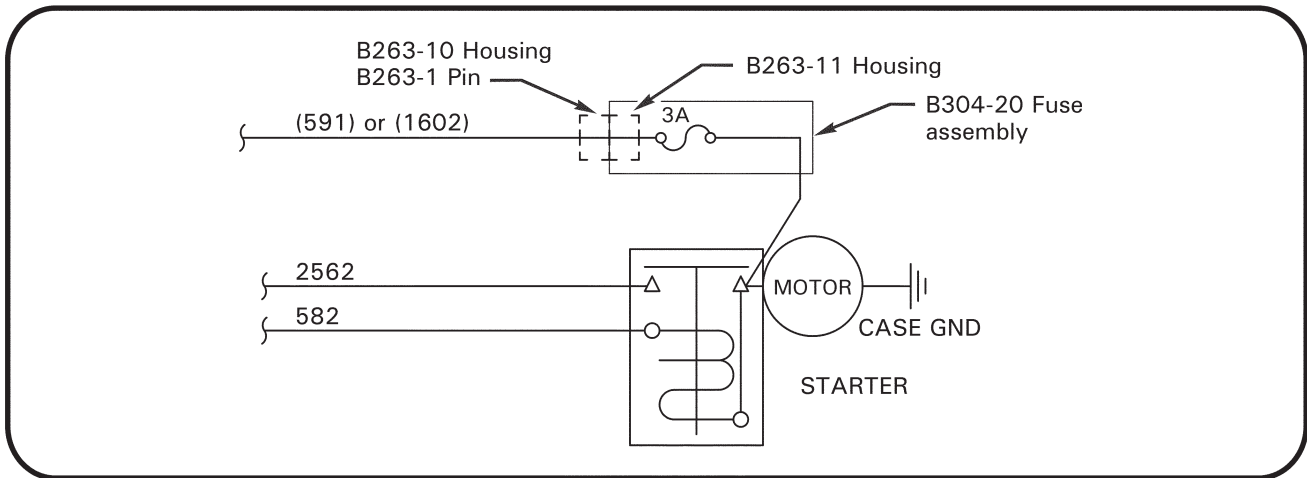


Figure 1 Schematic