

Low RPM Warning System Upgrade Kit Instructions

Kit adds starter lockout feature to prevent cranking engine with clutch engaged and rotor stopped. Applicable to R22 S/N 0002 thru 2114. Replaces A569-1 low RPM warning unit & B140-1 relay with A569-5 low RPM warning unit, and A040-2 horn assembly with B320-5 horn assembly.

(Supersedes KI-69-7)

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-36Instr.	Kit Instructions	1
2	A569-5	Low RPM Warning Unit Assembly	1
3	B263-21	Housing	1
4	B320-5	Low RPM Horn Assembly	1
5	C479-3	Plate	1
6	C479-4	Ring	1
7	KI-69-5	Plug	1
8	KI-69-6	Template	1
9	MS3367-5-9+	Ty-rap (Note: "+" in part number indicates 20-qty pack)	1
10	MS35206-241	Screw	3

Kit Instructions

1. Ensure battery switch is off. Pull "HORN START" or "LOW RPM" 2-amp circuit breaker. Disconnect battery negative (ground) cable per R22 Maintenance Manual (MM) § 33-10
2. Refer to Illustrated Parts Catalog (IPC) Figure 95-29. Open console (hinge forward) and remove A569-1 low RPM warning unit. Remove and retain 2633 (DP-437) hole plug from access hole to low RPM warning unit adjustment screw.

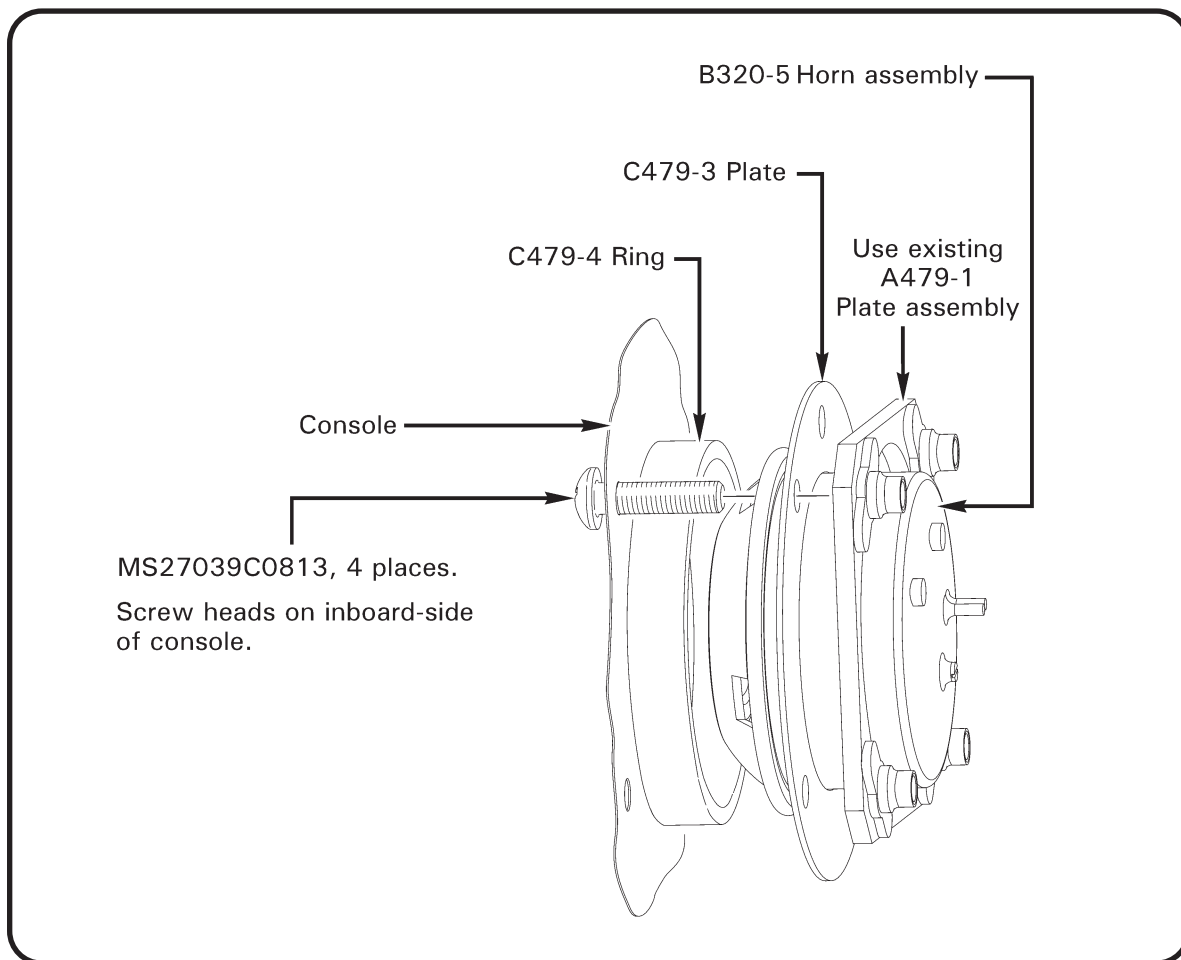
NOTE

IPC Figure 95-29 illustrates low RPM warning unit installation hole locations, with A569-5 (replacement) shown.

3. Position KI-69-6 template to match consoles' two existing low RPM warning unit mounting holes. Templates' extra hole must be beneath existing holes when console is in the closed position. Drill a 0.170-inch diameter hole where indicated by template.
4. Position A569-5 low RPM warning unit so adjustment screw can be seen through consoles' access hole. Secure unit using (3) MS35206-241 screws.

Kit Instructions (continued)

5. Connect existing 4-pin connector of airframe wiring to mating connector of A569-5 low RPM warning unit. Connect B263-21 housing to 9-pin connector of A569-5 low RPM warning unit.
6. Remove B140-1 low RPM warning relay assembly and replace with KI-69-5 plug.
7. Refer to Illustrated Parts Catalog (IPC) Figure 95-29. Disconnect and remove A040-2 (B320-1) horn assembly, retaining A479-1 plate. Discard A479-2 ring, if installed. Install and connect B320-5 horn assembly per Figure 1. Do NOT overtighten screws.
8. Ty-rap wires and plugs as required. Cinch ty-rap until snug without over-tightening, and trim tip flush with head. Secure upper console.
9. Connect negative (ground) cable per MM § 33-10. Push in "HORN START" 2-amp circuit breaker.
10. Adjust low RPM warning system per MM § 33-90.
11. Make appropriate maintenance record entries. Weight and Balance change is negligible.

**FIGURE 1**