

R22 SERVICE BULLETIN SB-104

R44 SERVICE BULLETIN SB-77

DATE: 26 May 2010

TO: R22, R44, and R44 II owners, operators, and maintenance personnel

SUBJECT: Clutch Actuator Fuse Holder Wiring

ROTORCRAFT AFFECTED: R22 Helicopters S/N 0002 thru 4481, R44 Helicopters S/N 0001 thru 2092, and R44 II Helicopters S/N 10001 thru 13034.

TIME OF COMPLIANCE: Within next 100 flight hours or by 31 August 2010, whichever occurs first.

BACKGROUND: RHC has received a report of an improperly wired clutch actuator fuse holder. This bulletin requires a function check of the fuse holder wiring.

COMPLIANCE PROCEDURE:

1. Turn Master switch on and engage CLUTCH switch. Verify CLUTCH light illuminates and actuator gearmotor operates.
2. While actuator is engaging, remove fuse from actuator fuse holder.
 - a. If gearmotor shuts off and CLUTCH light remains illuminated, fuse holder is wired properly. Proceed to step 3.
 - b. If gearmotor continues operating and/or CLUTCH light extinguishes, fuse holder is wired improperly and must be rewired. Refer to R22 Maintenance Manual (MM) Figure 14-4 or 14-4A, or R44 MM Figure 14-1F for proper wire assignment at fuse holder and resolder wires as required. Repeat steps 1 and 2.
3. Install appropriate fuse in fuse holder, disengage actuator, and turn Master switch off.
4. Make appropriate maintenance record entries.

Approximate Cost:

Parts: None.

Labor: 0.2 man-hour.

THE DESIGN ENGINEERING ASPECTS OF THIS BULLETIN HAVE BEEN SHOWN TO COMPLY WITH APPLICABLE FEDERAL AVIATION REGULATIONS AND ARE FAA APPROVED.