

**R22 SERVICE BULLETIN SB-102**

**DATE:** 30 April 2010

**TO:** R22 owners, operators, and maintenance personnel

**SUBJECT:** Battery Relay Bypass Circuit Fuse

**ROTORCRAFT AFFECTED:** R22 helicopters S/N 0002 thru 2654.

**TIME OF COMPLIANCE:** Within next 150 flight hours or by 31 July 2010, whichever occurs first.

**BACKGROUND:** The battery relay bypass circuit supplies battery power to the clock and, via the engaged clutch switch, to the dual tachometer bus bar when master and alternator switches are off. Earlier aircraft have a fuse near the clock, but no further bypass circuit protection. This service bulletin requires installing a fuse block near the battery relay to protect the complete bypass circuit.

---

**COMPLIANCE PROCEDURE:**

1. Refer to next page. Determine if wire number -142 (nose battery) or wire number -66 (engine-compartment battery) enters fuse block from nearby battery relay; if -142 or -66 wire is fuse-protected, no further action is required.
2. If wire number -142 or -66 is not fuse-protected, order & install KI-197 kit per instructions. Kit instructions are available online at: [www.robinsonheli.com/servelib.htm](http://www.robinsonheli.com/servelib.htm).

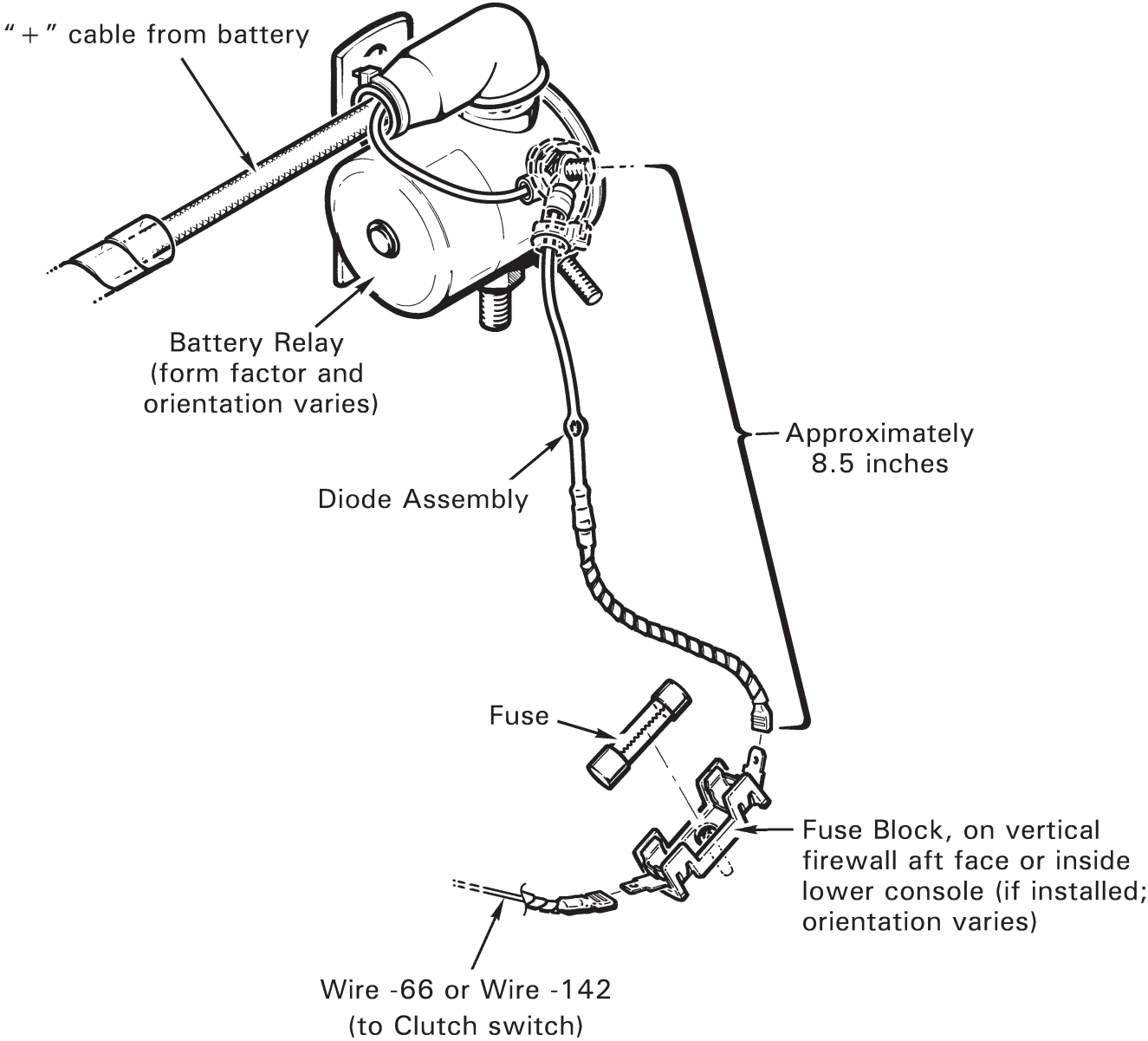
**Approximate Cost:**

Parts: KI-197 kit: \$14.00, if ordered by 31 July 2010.

Parts may be obtained from any R22 Dealer or Service Center, or ordered directly from RHC Customer Service (via RHC web site, fax, or phone). Order must include helicopter serial number.

Labor: 1 man-hour.

(OVER)



**Example only. Some wires omitted for clarity.**