

R44 SERVICE LETTER SL-47

DATE: 01 August 2014

TO: R44 & R44 II Owners, Operators, and Maintenance Personnel

SUBJECT: Magneto Tachometer Points Wires

ROTORCRAFT AFFECTED: R44 helicopters S/N 1361 thru 2354 and R44 II helicopters S/N 10262 thru 13666.

TIME OF COMPLIANCE: At next 100-hour or annual inspection, whichever occurs first.

BACKGROUND: Damaged wire insulation has been found adjacent to the 2-pin connector at end of the magneto's tachometer wires. Damage occurred during trimming of heat-shrink at the connector.

COMPLIANCE PROCEDURE:

Note: Wire insulation and pin crimping tools may be required.

1. Follow both wires originating from engine-right (helicopter left side) magneto's contact cover to a 2-pin connector. Examine both wires where they enter black heat shrink(s) for evidence of insulation damage.
2. If insulation is damaged, cut and discard adjacent ty-raps and disconnect wires at airframe harness connector. Cut both magneto wires to remove damaged wiring and discard pins, 2-pin housing, and heat shrink(s).
3. Strip magneto wires and crimp a B263-3 pin on each; inspect crimps per Figure 1 and verify security.
4. Insert pins into B263-12 2-pin housing; verify security. Polarity is not critical, and heat shrink is no longer used.
5. Plug 2-pin connector into airframe wiring and secure with MS3367-5-9 ty-raps per Figure 2 as required. Cinch ty-raps until snug without overtightening and trim ty-rape tips flush with heads.
6. Make appropriate maintenance record entries (no change to helicopter weight & balance).

(OVER)

Approximate Cost:

Parts: For each affected helicopter requiring repair, obtain:

- (2) B263-3 Pin (AMP part no. 60620-5), \$2.60 USD each
- (1) B263-12 Housing – 2-pin (AMP part no. 1-480319-0), \$0.45 USD each
- (10) MS3367-5-9 Ty-rap, \$0.08 USD each

Procure parts from any R44 Dealer or Service Center, or order directly from RHC Customer Service via email or phone. Shipping or mailing costs are recipient's responsibility.

Labor: 0.5 man-hour.

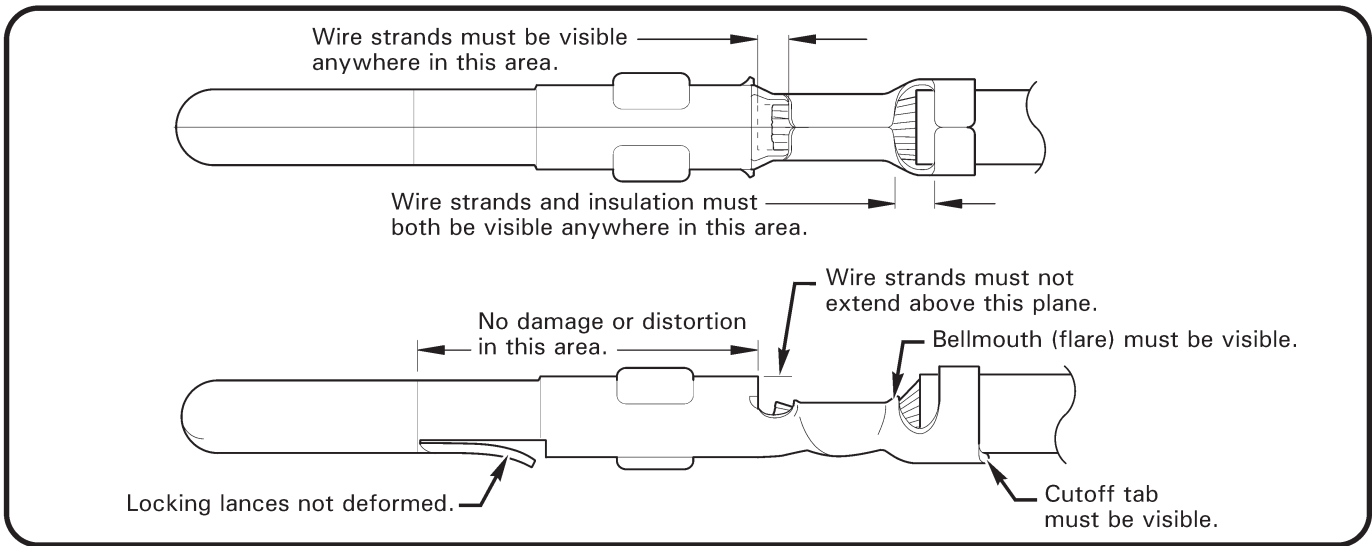


FIGURE 1

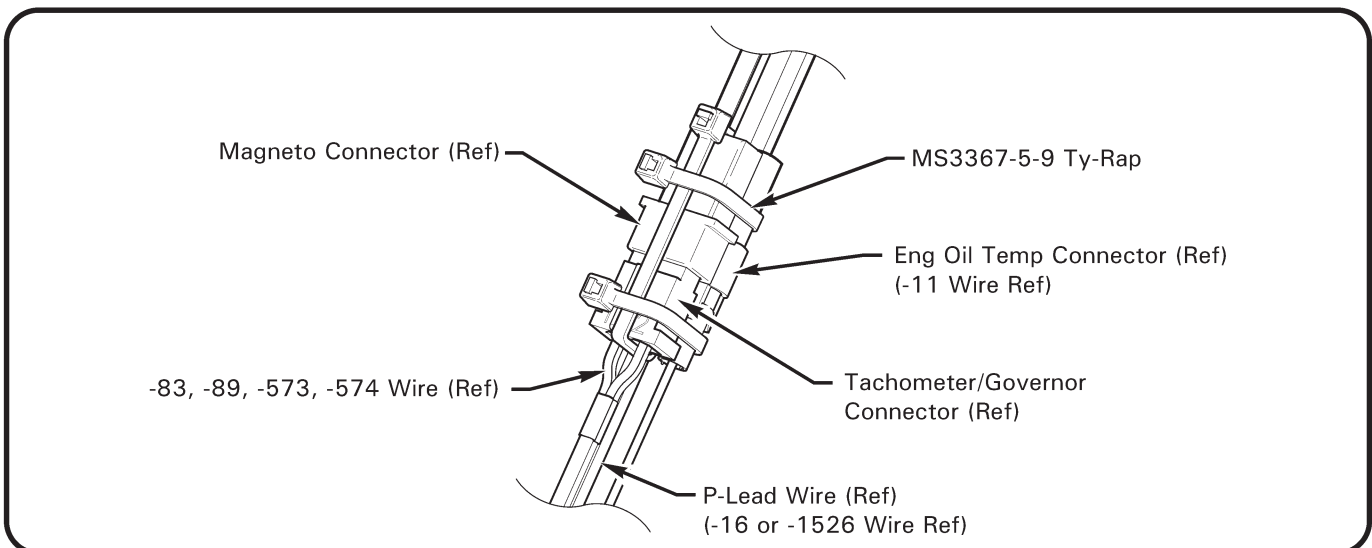


FIGURE 2