

R44

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SERVICE BULLETIN SB-67

DATE: 06 November 2008

TO: R44 II Owners, Operators, and Service Centers

SUBJECT: R44 II Fuel Hose Supports

ROTORCRAFT AFFECTED: R44 II Helicopters S/N 10001 thru 12566.

TIME OF COMPLIANCE: Within next 50 flight hours or by 31 January 2009, whichever occurs first.

BACKGROUND: In an accident, the engine may shift relative to the airframe structure and cause fuel hose damage. This service bulletin requires replacing support clamps with ty-raps on two fuel hoses. Under high load, the ty-raps will break to provide fuel hose slack, reducing the likelihood of a post-accident fuel leak.

COMPLIANCE PROCEDURE:

1. Remove C378-3 engine right cowling assembly and C003-10 right, aft seat back assembly.
2. Remove A785-31 air intake hose.
3. Refer to R44 IPC Figure 8-9B dated JUL 2008. Remove MS21919WDG11 (or WDG13) clamp attaching B283-3 hose assembly to firewall. Retain hardware. Discard clamp.
4. Refer to Figure 1. Attach MS21919WDG3 clamp to firewall using retained hardware, with fastener head toward hose as shown.
5. Insert MS3367-5-9 ty-rap through installed clamp and around B283-3 hose assembly. Cinch ty-rap until snug without overtightening and trim ty-rap tip flush with head.
6. Refer to R44 IPC Figure 4-31J dated JUL 2008. Remove MS21919WDG9 (or WDG11) clamp attaching B283-11 hose assembly to MS21919WDG14 clamp on lower frame. (Temporarily safety wire MS21919WDG14 clamp closed, if desired). Retain hardware. Discard removed clamp.
7. Refer to Figure 2. Attach MS21919WDG3 clamp to MS21919WDG14 clamp using retained hardware, with fastener head toward hose as shown. Torque nut to 37 in.-lb. Remove temporary safety wire, if used.

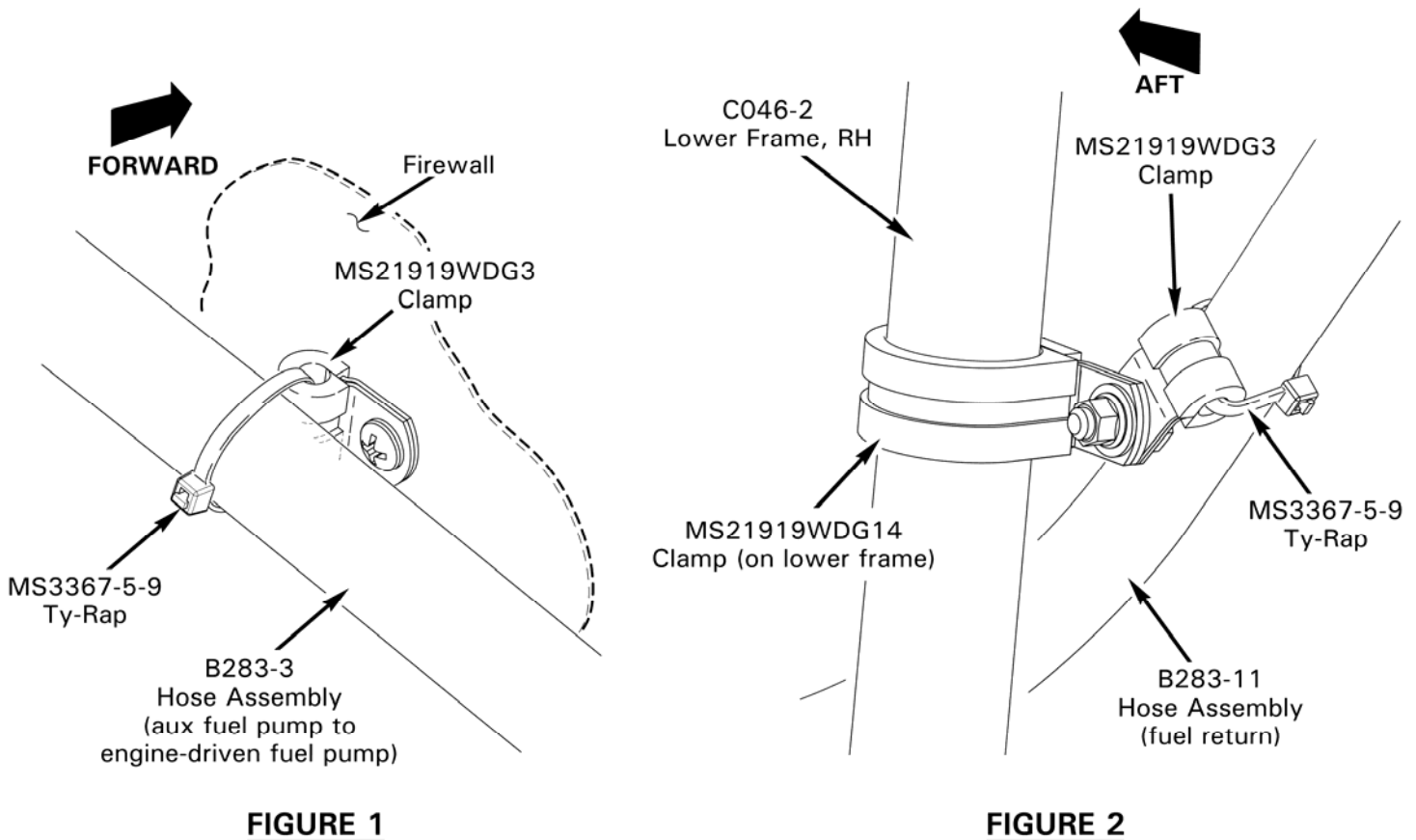
(OVER)

8. Insert MS3367-5-9 ty-rap through installed clamp and around B283-11 hose assembly. Cinch ty-rap until snug without overtightening and trim ty-rap tip flush with head.
9. Install air intake hose.
10. Install engine cowling assembly and aft seat back assembly.
11. Make appropriate maintenance record entries.

Approximate Cost:

Parts: No charge for (2) MS3367-5-9 ty-raps and (2) MS21919WDG3 clamps if ordered by 31 January 2009. Order must include helicopter serial number.

Labor: 0.5 man-hour.



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