

R66 SERVICE BULLETIN SB-06

DATE: 03 July 2013

TO: R66 owners, operators, and maintenance personnel

SUBJECT: Fuel Switch Packing

ROTORCRAFT AFFECTED: R66 helicopters listed in Table 1 (Page 2).

TIME OF COMPLIANCE: Within next 100 flight-hours or by 31 October 2013.

BACKGROUND: A packing (o-ring) may have been omitted from the fuel filter differential pressure (filter-bypass) switch during production.

COMPLIANCE PROCEDURE:

1. Turn BATTERY switch OFF. Pull fuel valve OFF.
2. Remove engine cowling per R66 Maintenance Manual (MM) § 53-21. Position suitable, grounded container beneath engine fuel pump.
3. Refer to R66 Illustrated Parts Catalog (IPC) Figure 71-5. Cut and discard ty-raps as required and disconnect G426-1 switch assembly wiring from F049-09 harness assembly at connectors.
4. Remove F741-1 line assembly.
5. Remove G426-1 switch assembly.
6. Install MS29512-03 packing on switch high-pressure (flareless) fitting (unless previously installed).
7. Install switch in fuel pump BF (before filter) port. Special torque switch per MM § 20-33 and torque stripe per Figure 5-1.
8. Position line on switch and fuel pump's A919-0D reducer. Tighten line B-nut on reducer finger tight; do not connect line B-nut to switch.
9. Push fuel valve ON. Allow the fuel to purge any air from the line, then tighten B-nut on switch finger tight. Pull fuel valve OFF. Special torque line B-nuts per MM § 20-33 and torque stripe per Figure 5-1.

(OVER)

10. Refer to IPC Figure 71-5. Install MS3367-4-9 ty-rap and secure switch wiring to F741-1 line assembly (on heat shrink). Connect switch wiring to harness and secure connectors to harness using two MS3367-5-9 ty-raps. Cinch ty-raps until snug without over-tightening, and trim tips flush with heads.

11. Install engine cowling per MM § 53-21.

12. Make appropriate maintenance record entries.

Approximate Cost:

Parts: No charge. (One [1] MS29512-03 packing, one [1] MS3367-4-9 ty-rap, and two [2] MS3367-5-9 ty-raps are included with SB mailing.)

Parts may be obtained from any R66 Dealer or Service Center, or ordered directly from assigned [RHC Customer Service Representative](#) via email, fax, or phone.

Labor: 1.0 man-hour.

<u>R66 helicopters S/N:</u>	
0003 thru 0096	0282
0098 thru 0100	0285
0102 thru 0154	0286
0156 thru 0163	0289
0165	0290
0166	0294
0170 thru 0173	0299
0176 thru 0179	0301
0182 thru 0185	0304
0188 thru 0198	0305
0200 thru 0210	0308
0213 thru 0216	0310
0219 thru 0232	0322
0234 thru 0257	0328
0260 thru 0264	0334
0268 thru 0274	0338
0277	0339
0278	0341
0281	

TABLE 1