

R66 SERVICE BULLETIN SB-21

DATE: 24 February 2017

TO: R66 Owners, Operators, and Maintenance Personnel

SUBJECT: Oil Tank Outlet Modification

ROTORCRAFT AFFECTED: R66 Helicopters S/N 0003 thru 0268. Spare G689-1 revision H and prior oil tank assemblies are also affected.

TIME OF COMPLIANCE: Within next 100 flight hours or by 31 May 2017, whichever occurs first.

BACKGROUND: RHC has received a report of an oil tank internal baffle breaking loose and blocking the tank outlet. G689-1 revision H and prior oil tank assemblies were manufactured using a heat treat process which may have cracked the baffle welds. This bulletin requires installing an angle in the tank outlet that would prevent a failed baffle from blocking the outlet.

COMPLIANCE PROCEDURE:

1. Locate G689-1 oil tank assembly identification ink stamp on top surface of oil tank. Revision letter immediately follows "G689-1". If oil tank is revision H or prior, order one G805-1 angle from [RHC Customer Service](#) and proceed to step 2. If oil tank is revision I or subsequent, no further action is required.
2. Drain engine oil per R66 Maintenance Manual (MM) § 12-60, utilizing suitable clean container if reusing oil.
3. Refer to Figure 1. Disconnect F723-1 line assembly from tank fitting at firewall.
4. Insert G805-1 angle (orientation optional) in oil tank outlet fitting until angle snaps in place. Pinch flanges of angle minimum required to enable insertion.
5. Connect F723-1 line assembly to tank fitting. Special torque nut to 675 in.-lb. Torque stripe fitting per MM Figure 5-1.
6. Add engine oil per MM § 12-60.
7. Make appropriate maintenance record entries. No change to helicopter weight and balance.

(OVER)

APPROXIMATE COST:

Parts: No charge for one G805-1 angle if ordered by 31 May 2017. Reference helicopter serial number.

Labor: Approximately 1 man-hour.

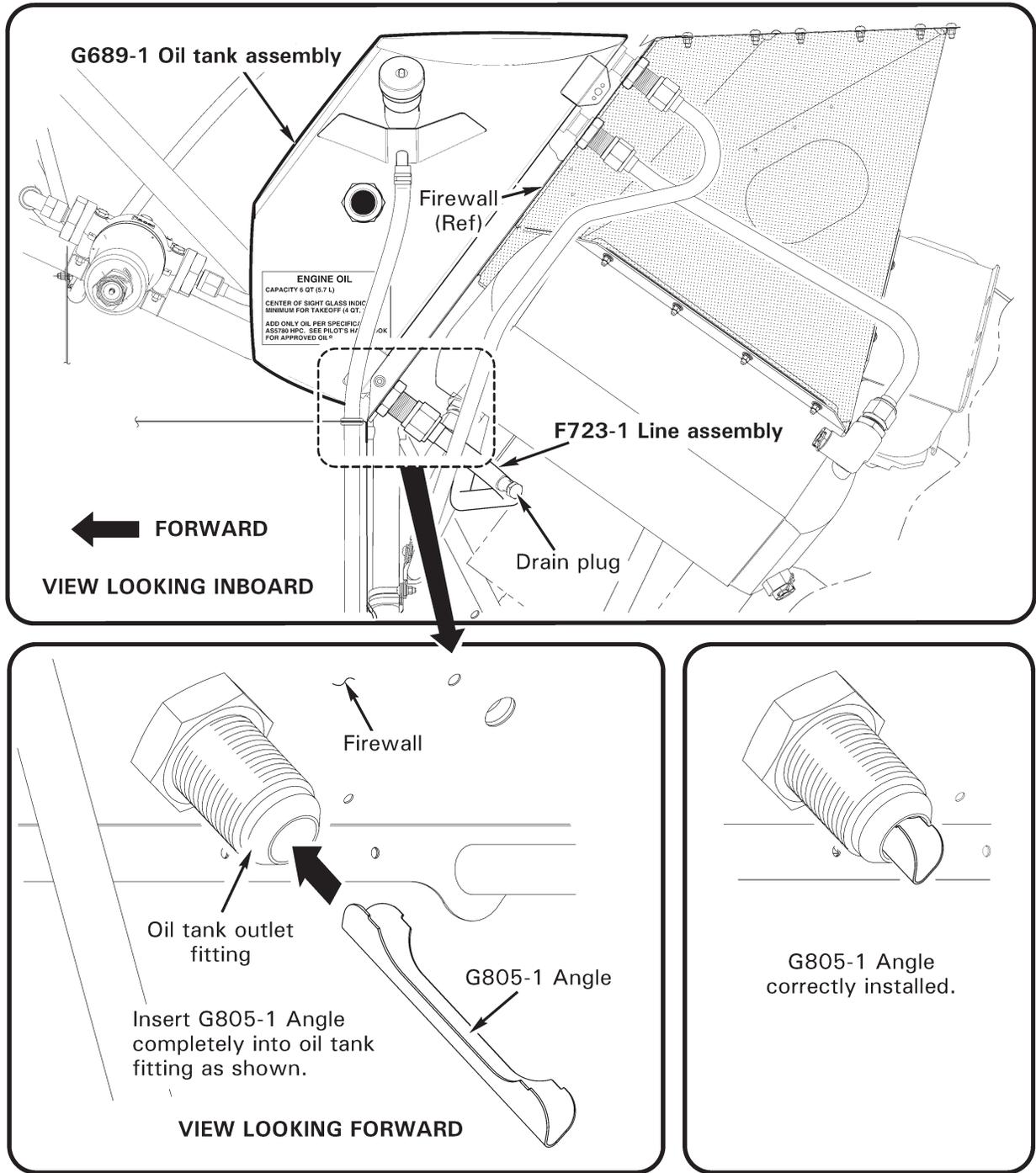


FIGURE 1

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