

R66 SERVICE BULLETIN SB-27

DATE: 05 November 2018

TO: R66-series Owners, Operators, and Maintenance Personnel

SUBJECT: Drain Holes for Auxiliary Fuel Tank

ROTORCRAFT AFFECTED: R66 Helicopters S/N 0902 and prior equipped with Auxiliary Fuel System.

TIME OF COMPLIANCE: Within next 100 flight hours or by 05 February 2019, whichever occurs first.

BACKGROUND: RHC has determined that some auxiliary fuel tanks were delivered without drain holes in the enclosure. In the event of a fuel bladder leak, the drain holes allow fuel to drain overboard rather than pooling in the enclosure.

COMPLIANCE PROCEDURE:

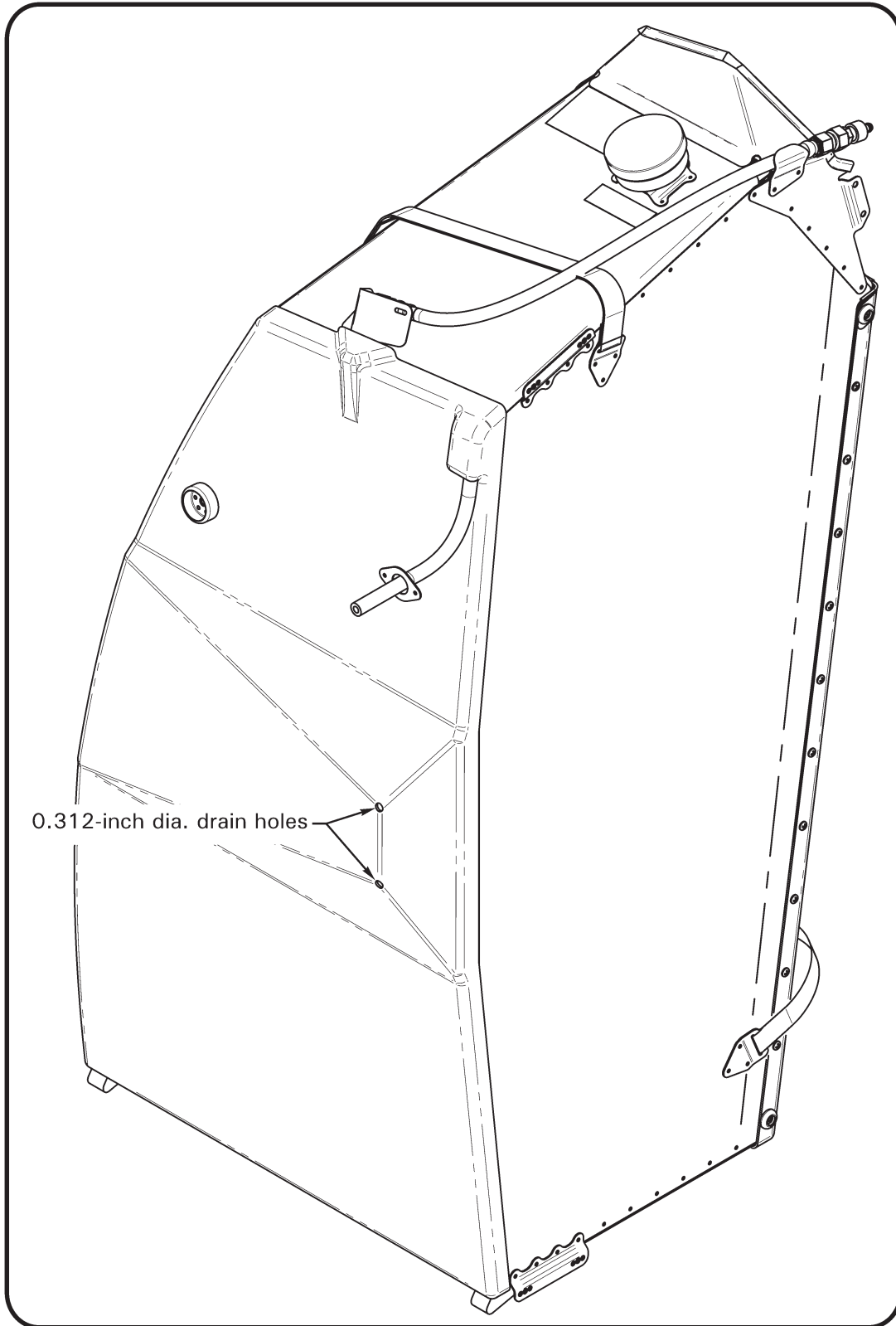
1. Remove aux fuel tank per R66 Maintenance Manual (MM) § 28-51A.
2. Refer to figure on page 2. If the enclosure has two drain holes as indicated, proceed to step 3. If drain holes are missing, add holes as follows:
 - a. Using a 0.128-inch diameter or smaller drill bit with a drill stop, drill two holes at the lowest corners of the enclosure. The fuel bladder is approximately 0.25 inch away from the enclosure at these corners. Set the drill stop to ensure the drill does not damage the fuel bladder.
 - b. Using minimal feed pressure, open drain holes to full size using a 0.312-inch diameter drill bit with a drill stop.
 - c. Use a vacuum at each hole to remove as much debris as possible.
 - d. Visually inspect bladder material thru holes and verify no damage.
3. If reinstalling aux fuel tank, follow MM § 28-51B.
4. Make appropriate maintenance record entries.

APPROXIMATE COST:

Parts: None.

Labor: 1.0 man-hour.

(OVER)



G010-2 Aux Tank Assembly

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