

R66 SERVICE BULLETIN SB-03

DATE: 21 February 2012

TO: R66 owners, operators, and maintenance personnel

SUBJECT: Hydraulic Servos

ROTORCRAFT AFFECTED: R66 helicopters equipped with D212-5 & D212-6 hydraulic servos listed in Table 1, and spare D212-5 & D212-6 hydraulic servos listed in Table 1.

TIME OF COMPLIANCE: By 31 August 2012.

BACKGROUND: During manufacturing inspection, machining burrs were found in a hydraulic servo component. This bulletin requires servos listed in Table 1 be returned to RHC for inspection.

COMPLIANCE PROCEDURE:

1. Determine if spare(s) or helicopter's D212-5 & D212-6 hydraulic servo serial numbers are listed in Table 1. Serial numbers of installed servos are listed in the helicopter's Airframe Maintenance Record (logbook); verify serial number on servo identification plate. (Servos listed in Table 1 and stamped with an "A" immediately following the serial number on the identification plate have been inspected and are no longer affected.)
2. If installed servo serial number is listed in Table 1, remove servo per R66 Maintenance Manual (MM) § 67-53 (refer to www.robinsonheli.com for current revision).
3. Return affected servo(s) to RHC with completed [Component Return Authorization](#) form.
4. Verify servo to be installed is:
 - a. Not listed in Table 1, or
 - b. Listed in Table 1 and stamped with an "A" immediately following the serial number on the identification plate.
5. Install servo per MM § 67-53 (refer to www.robinsonheli.com for current revision).
6. Replace hydraulic reservoir filter per MM § 12-32.
7. Make appropriate maintenance record entries. If installed servo is stamped with an "A" immediately following the serial number on the identification plate, then enter "A" after serial number in the helicopter's Airframe Maintenance Record.

(OVER)

Approximate Cost:

Parts: No charge for inspection of servos. Warranty applies to all work performed at factory, but does not include transportation or shipping cost.

Consumables:

- A257-15 Hydraulic fluid (see MM § 20-78 for approved lubricants)
- B270-21 Protectant (see MM § 20-79 for approved adhesives & sealants)
- AN6235-1A Filter (hydraulic reservoir)
- MS28778-14 Packing (hydraulic reservoir filter)
- Assorted palnuts

NOTE

Each inspected D212-5 & D212-6 servo will be returned with:

- (1) MS28775-011 Packing
- (1) MS28778-4 Packing

Labor: 5 man-hours to remove and reinstall three servos.

Return the following serial number D212-5 hydraulic servos to RHC for inspection:
14533 thru 14562
14726
14732
14733
14737
14738
14741
14742
14745
14746
14748
14864 thru 16041
Return the following serial number D212-6 hydraulic servos to RHC for inspection:
14086 thru 15269
TABLE 1
NOTE: Servos stamped with an "A" immediately following the serial number on the identification plate have been inspected and are no longer affected.