

R44 SERVICE LETTER SL-37B

(supersedes R44 SL-37A)

DATE: 18 June 2010 **REV B:** 29 October 2019

TO: R44 Owners, Operators, and Maintenance Personnel

SUBJECT: C016-7 Main Rotor Blade Installation Requirements

BACKGROUND: RHC has developed a new main rotor blade, p/n C016-7, which incorporates an aluminum skin for better dent protection and corrosion resistance at the blade tip. The C016-7 blade is part of the C005-12 blade & spindle assembly, and may be installed on any R44 II. However, installing C016-7 blades on carbureted R44 helicopters requires verifying certain components are installed or retrofitted.

COMPLIANCE PROCEDURE:

Refer to R44 Illustrated Parts Catalog Figure 67-61 dated JAN 2014. Prior to installing p/n C016-7 main rotor blades on a carbureted R44, verify the helicopter has:

1. hydraulic flight controls. R44s with manual flight controls (electric-trim) must be upgraded to hydraulic controls. Only bladder fuel tank R44s are eligible for upgrade. R44 Service Centers may order KI-189 R44 Astro Hydraulic Flight Control Upgrade Kit after submitting evidence of helicopter's compliance with SB-78B Bladder Fuel Tank Retrofit.
2. C792-4 or -5 dual tachometer (101–102% engine rpm green arc; or C792-4R overhaul exchange).
3. C006-7 or -8 main gearbox, or C006-3, -4, -5, or -6 main gearbox with B900-9 modification (if modified, a separate B900-9 data plate will be adjacent to the C006 data plate). Refer to SB-95 Main Gearbox upgrades.
4. lower C204-2 arm (steel, 2.52 inches long), connecting gearbox mast to lower fork assy with NAS1305-31 or NAS6605-31 bolts.
5. lower A205-7 fork assy (3.70 inches center-to-center), attached to non-rotating swashplate.
6. C017-6 swashplate, or C017-4 swashplate with B900-13 mod.
7. upper A205-7 fork assy (3.85 inches center-to-center), attached to rotating swashplate.

(OVER)

8. upper C204-3 arm (steel, 2.87 inches long), connecting upper fork assy to main-rotor-shaft yoke assemblies with NAS1305-31 or NAS6605-31 bolts.
9. two C203-5 yoke assemblies, on C251-2 main rotor shaft.
10. two C157-3 pitch horns, 16-hole flange (included with C005-12 blade & spindle assemblies or C005-12R overhaul exchange).

APPROXIMATE COST:

Parts: \$47,400 for set of two C005-12 overhauled exchange blade & spindle assemblies.

For replacement of all other parts or components please refer to www.robinsonheli.com, under the Customer Support tab, for current prices.