

R44 SERVICE LETTER SL-37C

(supersedes R44 SL-37B)

DATE: 18 June 2010 **REV C:** 05 March 2020

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 FEB 2020. 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; order KI-189 R44 Astro Hydraulic Flight Control Upgrade Kit from RHC Customer Service to upgrade.
2. C792-4 or -5 dual tachometer, with 101–102% engine rpm green arc (or C792-4R overhauled exchange).
3. C006-5, -6, -7, or -8 main rotor gearbox (or C006-6R overhauled exchange), or C006-3 or -4 main rotor gearbox with B900-5 or B900-9 modification (if modified, a separate B900-5 or B900-9 data plate will be adjacent to the C006 data plate).
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 (or C017-6R overhauled exchange).
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 and C005-12R blade & spindle assemblies).

APPROXIMATE COST:

| Parts: \$52,400 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.