

**R44 SERVICE LETTER SL-37A**  
(supersedes R44 SL-37)

**DATE:** 18 June 2010      **REV A:** 10 September 2014

**TO:** R44 & R44 II Owners, Operators, and Maintenance Personnel

**SUBJECT:** C016-7 Main Rotor Blade 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 a matched pair may be installed on any fuel-injected R44 II. Installing matched C016-7 blades on carbureted R44 helicopters, however, requires verifying certain components are installed or retrofitted.

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**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; contact RHC Technical Support for details.
2. C792-4 dual tachometer (101-102% engine rpm green arc; or C792-4R overhaul exchange).
3. C006-5, -6, -7, or -8 main rotor gearbox (or C006-6R overhaul exchange), or C006-3 or -4 main rotor gearbox with B900-5 or -9 modification (if modified, a separate B900-5 or -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 overhaul 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 blade & spindle assemblies or C005-12R overhaul exchange).

**COST:**

For replacement C005-12 blade & spindle assemblies, see R44 Service Letter SL-49.

For replacement of all other parts or components please refer to [www.robinsonheli.com](http://www.robinsonheli.com), under the Customer Support tab, for current prices.