

R44 SERVICE LETTER SL-37

DATE: 18 June 2010

TO: R44 & R44 II owners, operators, and maintenance personnel

SUBJECT: C016-7 Main Rotor Blades

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.

COMPLIANCE PROCEDURE:

Refer to R44 Illustrated Parts Catalog Figure 7-15B dated JUL 2008. 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; for details refer to:

www.robinsoneheli.com/pdf_files/r44_factory_overhaul_pricelist.pdf

2. C792-4 dual tachometer (101-102% engine rpm green arc, p/n R9602 for overhauled-exchange unit).
3. C006-5 or -6 main rotor gearbox (R9594 overhauled-exchange), or C006-3 or -4 main rotor gearbox with B900-5 modification (if modified, a separate B900-5 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 (R9596 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 blade & spindle assemblies).

Approximate Cost:

Refer to www.robinsonheli.com/public for current parts prices.