

R22 SERVICE LETTER SL-81B

(supersedes R22 Service Letter SL-81A)

R44 SERVICE LETTER SL-67B

(supersedes R44 Service Letter SL-67A)

R66 SERVICE LETTER SL-25B

(supersedes R66 Service Letter SL-25A)

DATE: 25 June 2018

REV B: 28 April 2023

TO: R22-series, R44-series, & R66-series Dealers and Service Centers

SUBJECT: Component Maintenance Course

BACKGROUND: Service Centers desiring to perform specialized Component Maintenance must meet new eligibility requirements described below. REV B of this letter amends the list of Component Maintenance Special Tools (page 2, underlined P/Ns).

SUMMARY:

Service Center Requirements:

- RHC-authorized R22, R44, or R66 Service Center
- FAA Part 145 Repair Station, or foreign equivalent, with at least a Limited Airframe rating for R22-series, R44-series, and/or R66 helicopters
- Employ qualified technician listed on Repair Station Personnel Roster
- Own a set of Component Maintenance special tools listed on page 2 (tools are only available to Service Centers meeting preceding requirements)

Technician Qualifications:

- Repairman's certificate, Airframe-rated licensed technician, or foreign equivalent
- Completed Component Maintenance course, or previously completed both Session I & Session II "Component Overhaul" courses

The 3-day Component Maintenance Course provides training for the following:

- R22 Clutch maintenance procedures and 12-year inspection
- R44 Clutch upgrade (tapered-roller bearings) and 12-year inspection
- R22 Main gearbox upper sealed bearing replacement and 12-year inspection
- R22, R44, R66 MR blade assembly replacement procedures and 12-year inspection
- R22, R44, R66 Spindle & bearing assembly removal from, & installation in, MR blade
- R22, R44, R66 Spindle bearing replacement
- R44, R66 Hydraulic servo upper seal replacement

(OVER)

Changes to Instructions for Continued Airworthiness (ICA):

- R22 (DEC 2007) & R44 (FEB 2008) Component Overhaul Manuals (COMs) are cancelled.
- One Component Maintenance Manual (CMM) will be issued to the Repair Station/ Service Center upon completion of technician training.

For further information regarding tuition, scheduling, applications, and special tools, contact Mallory Kohler, Course Administrator at courses@robinsonheli.com or (310) 539-0508 ext. 151.

Component Maintenance Special Tools:

- (1) MT009-9 Base Assembly – MR Static Balance (all)
- (1) MT009-10 Fixture Assembly – MR Static Balance (R22)
- (1) MT105-1 Spindle Torquing Tool (all)
- (1) MT124-1 Socket – Spanner Nut, MRGB (R22)
- (1) MT124-2 Socket – Spanner Nut, MRGB (R44)
- (1) MT152-1 Spindle Removal and Installation Fixture (all)
- (1) MT194-1 Drill Fixture Assembly – MR Spindle Nut (R22)
- (1) MT194-2 Drill Fixture Assembly – MR Spindle Nut (R44, R66)
- (2) MT226-1 Bearing Pressing Tool – Clutch Assembly (R22)
- (1) MT227-1 Bearing Pressing Tool – Clutch Assembly (R22)
- (1 ea) MT228-2 (long) & -3 (short) Pressing Tools – Plug for Clutch Assembly (R22)
- (1) MT251-1 Tube – Mast Bearing Installation and Removal (R22)
- (1) MT251-2 Tube – Mast Bearing Installation and Removal (R44)
- (1) MT263-1 Spindle Bearing Removal Fixture Assembly (R22)
- (1) MT377-9 Support Assembly – Spindle Bearings Installation (R22)
- (1) MT515-1 Kit – Hydraulic Servo Seal Tools (includes MT403-1 extractor)(R44, R66)
- (1) MT524-2 Fixture Assembly – MR Static Balance (R44, R66)
- (1) MT552-16 Tool Kit – C018 Clutch with Roller Bearings (R44)
- (1) MT555-1 Tool Kit – Spindle Bearing Removal (R44, R66)
- (1) MT557-1 Compressor Assembly – Spindle Boot (R44, R66)