

R22 SERVICE LETTER SL-81A

(supersedes R22 Service Letter SL-81)

R44 SERVICE LETTER SL-67A

(supersedes R44 Service Letter SL-67)

R66 SERVICE LETTER SL-25A

(supersedes R66 Service Letter SL-25)

DATE: 25 June 2018

REV A: 16 March 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.

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 & R44 Component Overhaul Manuals (COMs) are cancelled.
- One Component Maintenance Manual 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 Main Rotor Static Balancing Fixture – Base Assembly (all)
- (1) MT009-10 Main Rotor Static Balancing Fixture Assembly (R22)
- (1) MT105-1 Spindle Torquing Tool
- (1) MT124-1 Spanner Nut Socket, MRGB (R22)
- (1) MT152-1 Spindle Removal and Installation Fixture
- (1) MT194-1 Main Rotor Spindle Nut Drill Fixture Assembly (R22)
- (1) MT194-2 Main Rotor Spindle Nut Drill Fixture Assembly (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 – Clutch Assembly (R22)
- (1) MT251-1 Mast Bearing Installation and Removal Tube – (R22)
- (1) MT263-1 Spindle Bearing Removal Fixture Assembly
- (1) MT377-9 Spindle Bearing Installation Support Assembly
- (1) MT515-1 Hydraulic Servo Seal Tools Kit (R44, R66)
- (1) MT524-2 Main Rotor Static Balancing Fixture Assembly (R44, R66)
- (1) MT552-16 Tools, C018 Clutch with Tapered-Roller Bearings (R44)
- (1) MT555-1 Spindle Bearing Removal Tool Kit