

Component Maintenance Tooling Kit Instructions

Provides tooling to perform tasks in Component Maintenance Manual.

NOTE

Visit <https://www.robinsonheli.com/> to verify kit instructions are current revision. Verify kit contents match list; contact RHC Customer Service if parts are missing or damaged.

NOTE

Refer to Component Maintenance Manual (CMM) for tool usage & tasks.

ITEM	PART NUMBER	KIT CONTENTS	QTY
1	KI-5502Instr.	Kit Instructions	1
2	MT105-1	Spindle Torquing Tool Includes: [1] MT100-1 Head Assembly [1] MT102-6 Socket (A005 spindle assy) [1] MT102-7 Socket (C005 spindle assy) [1] MT103-5 Lock Pin (A158-1 spindle) [1] MT103-6 Lock Pin (C158-1 spindle) [1] MT103-8 Detent Pin [1] MT103-9 Guide – Revision C or subsequent [1] MT103-10 Centering Tool [1] MT103-11 Lock Pin (A158-3 spindle) [1] MT104-1 Base Assembly [1] MT177-9 Housing (A005 spindle assy) [1] MT177-10 Housing (C005 spindle assy) [2] MT177-11 Nut [1] MT177-12 Extension – 9.23 inches long (A005 spindle assy) [1] MT177-13 Extension – 11.25 inches long (C005 spindle assy) [1] MT200-2 Dial Indicator	1
3	MT124-1	Spanner Nut Socket (A006)	1
4	MT124-2	Spanner Nut Socket (C006)	1
5	MT152-1	Spindle Removal and Installation Fixture Includes: [1] MT149-1 Jack Assembly [1] MT150-2 Removal Fixture Assembly [1] MT150-13 Installation Fixture Assembly (A237 pitch horn) [1] MT150-14 Pin – 5/16-inch diameter [1] MT150-15 Pin – 3/4-inch diameter [1] MT151-3 Spindle Support Assembly (A005 blade & spindle assy) [1] MT151-13 Spindle Support Assembly (C005 blade & spindle assy) [1] MT151-18 Spindle Support Assembly (A005 blade & spindle assy) [1] MT152-2 Table Assembly [1] MT153-2 Removal Fitting (C005 spindle assy) [1] MT153-3 Installation Fitting (C005 spindle assy) [1] MT153-4 Bolt [2] MT153-5 Rod – 5/16-inch diameter	1

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
6	MT194-1	Main Rotor Spindle Nut Drill Fixture Assembly	1
7	MT194-2	Main Rotor Spindle Nut Drill Fixture Assembly	1
8	MT226-1	Bearing Pressing Tool	2
9	MT227-1	Bearing Pressing Tool	1
10	MT228-2	Pressing Tool – Long (5.25 inch; A018 clutch shaft plug).	1
11	MT228-3	Pressing Tool – Short (2.40 inch; A018 clutch shaft plug).	1
12	MT251-1	Tube (A006 mast bearing installation & removal)	1
13	MT251-2	Tube (C006 mast bearing installation & removal)	1
14	MT263-1	Spindle Bearing Removal Fixture Assembly Includes: [2] MT263-2 Bar [1] MT263-3 Plug [2] 90473A031 Nut [2] 91247A642 Bolt	1
15	MT264-1	Hydraulic Pump Pinion Backlash Tools Includes: [1] MT264-2 Bracket [1] MT264-3 Plate [1] MT264-4 Pin [1] MT264-5 Socket Screw	1
16	MT377-9	Spindle Bearing Installation Support Assembly Includes: [1] MT150-15 Pin – 3/4-inch diameter (replaces MT150-12 bolt) [1] MT377-5 Tube [2] MT377-8 Thumb Screw [1] MT377-10 Support	1
17	MT515-1	Hydraulic Servo Seal Tools Kit Includes: [1] MT515-4 Guide [1] MT515-5 Wrench Assembly (for 1/2-inch diameter shaft) [1] MT515-6 Wrench Assembly (for 5/8-inch diameter shaft) [1] MT403-1 Extractor Assembly (D212) Includes: [1] MT403-2 Base [1] MT403-3 Extractor [1] Screw (McMaster-Carr p/n 91253A537)	1

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
18	MT552-16	C018 Clutch (with roller bearings) Tool Kit Includes: [1] MT552-5 Base [1] MT552-6 Tube (bearings) [1] MT552-7 Cap [2] MT552-9 Block Assembly [1] MT552-10 Tube (bearing cup) [1] MT552-12 Puller Assembly [1] MT552-14 Tube Assembly [1] MT552-15 Plug [1] MT552-17 Spacer [1] MT552-18 Support	1
19	MT555-1	Spindle Bearing Removal Tool Kit Includes: [2] MT555-2 Bar [1] MT555-3 Plug [2] 90473A031 Nut [2] 91247A646 Bolt [2] NAS1149F0663P Washer	1
20	MT557-1	Compressor Assembly	1
21	R8683	Component Maintenance Manual Binder	1
22	R8685	Component Maintenance Manual Tabs	1