

**R22-series 2200-Hour Inspection Kit Instructions**  
*(Helicopter S/N 2571 and subsequent with O-360 engine)*

The parts and components included in this kit are for the R22 2200-Hour Inspection of a normally-equipped R22-series helicopter. Owners of R22 helicopters with optional or additional equipment may require additional parts for their aircraft. Refer to R22 Maintenance Manual § 3.300 Airworthiness Limitations.

**NOTE**

Visit [www.robinsonheli.com](http://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 R22 Maintenance Manual (MM) and R22 Illustrated Parts Catalog (IPC) for installation data.

**NOTE**

A core deposit is required for overhaul exchange components. Overhaul exchange components are indicated by letter “R” at end of part number.

ITEM	PART NUMBER	KIT CONTENTS	QTY
1	KI-2203Instr.	Kit Instructions . . . . .	1
2	A005-14R	Main Rotor Blade & Spindle Assembly (set; requires A005-12 hub assembly)	1
3	A006-6R	Main Rotor Gearbox Assembly . . . . .	1
4	A007-5	Fan Shaft Assembly . . . . .	1
5	A008-4	Tail Rotor Assembly . . . . .	1
6	A017-2R	Swashplate Assembly . . . . .	1
7	A018-1R	Clutch Assembly – Anodized (This part will be provided unless alternate part [below] is selected.) . . . . .	1
	A018-2R	Clutch Assembly – Metalized . . . . .	0
8	A031-1	Tail Rotor Pitch Control . . . . .	1
9	A051-1R	Clutch Actuator Assembly (This part will be provided unless alternate part [below] is selected.) . . . . .	1
	A051-3R	Clutch Actuator Assembly (without A051-2 gearmotor assembly) . . . . .	0
10	A120-1	Bellcrank . . . . .	1
11	A121-17	Push-Pull Tube Assembly . . . . .	1
12	A169-37**	Muffler with Risers (O-360 engine) . . . . .	1
13	A189-10	Nut – Double Lock . . . . .	1
14	A189-12	Nut – Double Lock . . . . .	2
15	A190-2	V-Belt Set . . . . .	1
16	A426-6	Cap – Collective Spring . . . . .	1
17	A615-1	Gasket – Carburetor-to-Air Box . . . . .	1

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
18	A628-6	Connector Assembly – Harness . . . . .	2
19	A747-1	Nozzle Assembly (gearbox cooling) . . . . .	1
20	A780-2	Cable Assembly – Battery Ground (aft battery) . . . . .	1
21	A780-33	Cable Assembly – Battery Power (aft battery) . . . . .	1
22	A785-1	Hose – Air (intake) . . . . .	1
23	A785-6	Hose – Air (gearbox cooling) . . . . .	1
24	A785-26	Hose – Air (hot air inlet; this part will be provided unless kit [below] is selected.) . . . . .	1
	KI-2208	R22 A057-2 Airbox Assembly Installation Kit Instructions (Required for helicopter S/N 2571M thru 2664 if not previously accomplished.) . . . . .	0
25	A792-4R	Dual Tachometer . . . . .	1
26	A947-1	Flex Plate Assembly – Forward . . . . .	1
27	A947-2	Flex Plate Assembly – Intermediate . . . . .	1
28	A947-3	Flex Plate Assembly – Aft . . . . .	1
29	B021-1R	Tail Rotor Gearbox . . . . .	1
30	B174-1R	Fanwheel (Rev “J” or subsequent) . . . . .	1
31	B224-3	Tail Rotor Drive Shaft . . . . .	1
32	B283-1	Hose Assembly (fuel system) . . . . .	1
33	B283-6	Hose Assembly (fuel system) . . . . .	1
34	B286-2R	Governor Controller . . . . .	1
35	B350-2	Pin – Spring (fanshaft nut) . . . . .	1
36	C636-2	Support (C649-1 oil cooler on O-360 engine) . . . . .	1
37	F628-8	Buckle Assembly . . . . .	2
38	D756-2	Bellcrank Assembly (requires compliance with SL-66. This part will be provided unless a kit [below] is selected. Refer to Service Letter SL-66 Compliance Procedure to select applicable kit.) . . . . .	1
	KI-218-1A	R22 Full Throttle Caution Light Kit Instructions . . . . .	0
	KI-218-1B	R22 Full Throttle Caution Light Kit Instructions . . . . .	0
39	KI-217-1*	R22 Bladder Fuel Tank Installation Kit Instructions . . . . .	1
40	KI-2207	A017-1 Swashplate Installation Kit Instructions . . . . .	1
41	R5167	A006 Main Rotor Gearbox Crate . . . . .	1
42	R5171	A016 Main Rotor Blade Crate . . . . .	1
43	R7952	Core Deposits . . . . .	1
44	AN320-18	Nut – Fanshaft . . . . .	1
45	MS16562-15	Pin – Spring . . . . .	1
46	MS20002-18	Washer . . . . .	1
47	MS24665-355	Cotter Pin . . . . .	3
48	NAS1149F1832P	Washer . . . . .	3

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
49	NAS630-80	Bolt – Teeter .....	1
50	NAS632-82	Bolt – Coning .....	2
51	NAS6604-38	Bolt .....	1

\* Required for helicopter S/N 0002 thru 4620 per R22 SB-109 if not previously accomplished. Item cost is deducted with proof of installation.

\*\* Does not include A169-39 (heater) shroud assembly. Refer to KI-256 for helicopter s/n 4782 & prior, with optional heater installation.