

R66 2000-Hour Maintenance and Inspection Kit Instructions
Supersedes R8480 R66 2000-Hour Maintenance and Inspection Kit

The parts and components included in this kit are for the R66 2000-Hour Maintenance and Inspection of a basic R66 Turbine helicopter. Owners of R66 helicopters with optional or additional equipment may require additional parts for their aircraft. Refer to R66 Maintenance Manual § 4-10 Airworthiness Limitations.

NOTE

Visit www.robinsonheli.com to verify kit instructions are current revision. Review instructions before installation; contact RHC Technical Support with questions. Verify kit contents match list; contact RHC Customer Service if parts are missing or damaged.

NOTE

Refer to R66 Maintenance Manual (MM) and R66 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-6602Instr.	Kit Instructions	1
2	A120-5	Bellcrank – Aft	1
3	A130-48	Spacer	6
4	A130-50	Spacer	1
5	A215-015	O-Ring (rollover valves)	2
6	A462-4	Fitting – Control Cable	6
7	A522-10	Control Cable (FCU fuel cutoff)	1
8	A522-11	Control Cable (fuel valve)	1
9	A522-14	Control Cable (heater valve)	1
10	A729-68	Tube	2
11	A785-37	Hose (inducer bleed)	1
12	A785-38	Hose (starter-generator)	1
13	A918-5	Elastic Cord – Short	1
14	A947-2	Plate Assembly	2
15	B162-2	Clipnut	3
16	B173-5	V-Belt – Compressor Drive (cabin air conditioning)	1
17	B277-12	Clamp	6
18	B277-32	Clamp	2
19	B277-36	Clamp	2
20	B277-48	Clamp	1
21	B330-7	Palnut	5
22	B345-4	Pitch Link – Tail Rotor	2

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
23	C005-4	Main Rotor Hub Assembly	1
24	C005-13R	Main Rotor Blade and Spindle Assembly (set)	1
25	C008-10	Tail Rotor Assembly	1
26	C021-1R	Tail Rotor Gearbox	1
27	C023-21	Tailcone Assembly (3-antenna; this part will be provided unless an alternate part [below] is selected)	1
	C023-24	Tailcone Assembly (E.N.G.)	0
	C023-34	Tailcone Assembly (5-antenna)	0
	C023-35	Tailcone Assembly (5-antenna and NAV antenna)	0
28	C031-1	Tail Rotor Pitch Control	1
29	C044-1	Horizontal Stabilizer	1
30	C119-2	Bumper – Tail Rotor	1
31	C130-51	Spacer	1
32	C152-1	Washer – Thrust	6
33	C189-14	Nut	3
34	C522-10	Control Cable (FCU throttle)	1
35	C522-11	Control Cable (PTG)	1
36	C649-4R	Oil Cooler (main gearbox oil)	1
37	C947-3	Plate Assembly	3
38	D079-1	Tail Rotor Guard	1
39	D082-1	Tube Assembly	1
40	D224-4	Tail Rotor Drive Shaft Assembly	1
41	D333-13	Fitting	1
42	D918-1	Elastic Cord – Longitudinal (cyclic pivot)	1
43	D918-2	Elastic Cord – Lateral (cyclic pivot)	1
44	D918-3	Elastic Cord – (collective)	1
45	D930-2	Spring – Safety (throttle)	1
46	F001-11R	Main Rotor Gearbox Sub-Assembly Includes: [1] C017-6R Main Rotor Swashplate [1] D211-3R Hydraulic Reservoir [2] D212-5R Hydraulic Servo [1] D212-6R Hydraulic Servo [1] D500-2R Hydraulic Pump Assembly [1] D500-3R Main Rotor Gearbox Oil Pump Assembly [1] F006-1R Main Rotor Gearbox Assembly [1] G201-1 Frame – Servo Support	1
47	F018-1R	Clutch Assembly	1
48	F020-1	Upper Frame	1
49	F101-4	Rod End	2
50	F147-1	Screw	1
51	F169-1	Exhaust Weldment	1
52	F170-2	Fitting – Accessory Gearbox Vent (replaces F170-1 fitting).	1

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
53	F173-1	Strut (exhaust weldment supports)	3
54	F235-13	Strut – Upper Frame	2
55	F252-1	Strut – Upper Frame	1
56	F453-5	Retainer	6
57	F579-1	Bellmouth	1
58	F597-1	Seal – Firewall	1
59	F642-7	Engine Shaft Weldment	1
60	F649-1R	Oil Cooler (engine oil)	1
61	F651-2	Element – MRGB Filter	1
62	F651-3	Seal Kit – MRGB Filter	1
63	F771-1	Filter – Intake	1
64	F771-4	Filter – Starter/Generator	1
65	F771-7	Filter – Engine Vent.	1
66	F792-1	Dual Tachometer	1
67	G727-1	Tube – Breather (replaces A785-36 hose)	1
68	G732-3	Cap (replaces G732-2 cap & C130-62 spacer)	1
69	R5388	Tailcone Crate	1
70	R6722	Main Rotor Blade Crate	1
71	R7982	Main Rotor Gearbox Crate	1
72	R7983	R44-series & R66 C017-5 Swashplate Installation Field Kit	1
73	R8481	Core Deposits	1
74	AN742-3	Clamp	40
75	AN742-4	Clamp	11
76	AN815-8D	Union – Engine Oil Outlet (replaces CV26-77 check valve on helicopter S/N 0222 and prior)	1
77	MS16562-4	Spring Pin	1
78	MS21919WCH4	Clamp	7
79	MS21919WCH8	Clamp	1
80	MS21919WCH12	Clamp	1
81	MS21919WCH38	Clamp	1
82	MS24665-210+	Cotter Pin (Note: “+” in contents part number indicates 20-qty pack)	1
83	MS24665-423+	Cotter Pin (Note: “+” in contents part number indicates 10-qty pack)	1
84	MS28778-4	Packing (engine oil cooler fittings)	2
85	MS28778-8	Packing (engine oil cooler unions)	2
86	MS29512-05	Packing (low fuel switch)	1
87	MS29512-06	Packing (fuel strainer)	1
88	MS29512-3	Packing (reducers)	2
89	MS29512-10	Packing (left rollover valve)	1
90	MS29513-270	Packing (cover assembly)	1
91	NAS1149E0363R	Washer	13
92	NAS557-4A	Grommet	3

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
93	NAS557-4B	Grommet	3
94	NAS557-32A	Grommet – Firewall (engine drive shaft weldment)	1
95	NAS617-8	Packing (union, oil line)	2
96	NAS617-10	Packing (union, oil line)	1
97	NAS617-12	Packing (fitting, breather tube)	1
98	NAS634-105	Bolt	3
99	NAS6604-67	Bolt (clutch assembly)	1