

**R66 2000-Hour Inspection Kit Instructions**

The parts and components included in this kit are for the R66 2000-Hour Inspection of a basic R66 Turbine helicopter. Owners of R66 helicopters with optional or additional equipment may require additional parts for their aircraft.

**NOTE**

Visit <https://robinsonheli.com/> to verify kit instructions are current revision. Verify kit contents match list; contact RHC Customer Support 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 assembly part number.

ITEM	PART NUMBER	KIT CONTENTS	QTY
1	KI-6606Instr.	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	A522-10	Control Cable (FCU fuel cutoff) . . . . .	1
7	A522-11	Control Cable (fuel valve) . . . . .	1
8	A522-14	Control Cable (heater valve) . . . . .	1
9	A785-37	Hose (inducer bleed) . . . . .	1
10	A785-38	Hose (starter-generator) . . . . .	1
11	A880-908	Union – Engine Oil Outlet (replaces CV26-77 check valve on helicopter S/N 0222 and prior) . . . . .	1
12	A918-8	Elastic Cord Assembly (20 lb; this part will be provided unless alternate part [below] is selected.) . . . . .	1
	A918-19	Elastic Cord Assembly (23 lb) . . . . .	0
13	A947-2	Plate Assembly . . . . .	2
14	B162-2	Clipnut . . . . .	3
15	B173-5	V-Belt – Compressor Drive (cabin air conditioning) . . . . .	1
16	B277-12	Clamp . . . . .	2
17	B277-32	Clamp . . . . .	2
18	B277-36	Clamp . . . . .	2
19	B277-48	Clamp . . . . .	1

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
20	B330-7	Palnut . . . . .	5
21	B345-4	Pitch Link – Tail Rotor . . . . .	2
22	C005-4	Main Rotor Hub Assembly . . . . .	1
23	C005-13.CS*	Main Rotor Blade and Spindle Assembly (set) . . . . .	1
24	C008-10	Tail Rotor Assembly . . . . .	1
25	C021-1R	Tail Rotor Gearbox Assembly . . . . .	1
26	C031-1	Tail Rotor Pitch Control . . . . .	1
27	C119-2	Bumper – Tail Rotor . . . . .	1
28	C141-26**	Washer . . . . .	12
29	C152-1	Washer – Thrust . . . . .	6
30	C189-14	Nut . . . . .	3
31	C522-10	Control Cable (FCU throttle) . . . . .	1
32	C522-11	Control Cable (PTG) . . . . .	1
33	C947-3	Plate Assembly . . . . .	3
34	D082-1	Tube Assembly . . . . .	1
35	D333-13	Fitting . . . . .	1
36	D918-1	Elastic Cord – Longitudinal (cyclic pivot) . . . . .	1
37	D918-2	Elastic Cord – Lateral (cyclic pivot) . . . . .	1
38	D918-3	Elastic Cord – (collective) . . . . .	1
39	D930-2	Spring – Safety (throttle) . . . . .	1
40	F018-1R	Clutch Assembly . . . . .	1
41	F101-4	Rod End . . . . .	2
42	F169-1	Exhaust Weldment . . . . .	1
43	F173-1	Strut (exhaust weldment supports) . . . . .	3
44	F453-5	Retainer . . . . .	6
45	F579-1	Bellmouth . . . . .	1
46	F597-1	Seal – Firewall . . . . .	1
47	F642-7	Engine Shaft Weldment . . . . .	1
48	F651-2	Element – MRGB Filter . . . . .	1
49	F651-3	Seal Kit – MRGB Filter . . . . .	1
50	F771-1	Filter – Intake . . . . .	1
51	F771-4	Filter – Starter/Generator . . . . .	1
52	F771-7	Filter – Engine Vent. . . . .	1
53	F792-2	Dual Tachometer (replaces F792-1) . . . . .	1
54	G732-3	Cap (replaces G732-2 cap & C130-62 spacer) . . . . .	1
55	G732-4	Bolt (replaces NAS6604-67 bolt, clutch assembly) . . . . .	1
56	KI-6603-3A	R66-series (Fwd) Standard Connector/Buckle Installation Kit (This kit will be provided unless alternate kit [below] is selected.) . . . . .	1
	KI-5501-2	R66-series Five-Point Harness Installation Kit . . . . .	0
57	KI-6603-3B	R66-series (Aft) Standard Connector/Buckle Installation Kit . . . . .	1
58	R6722	Main Rotor Blade Crate . . . . .	1

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
59	R8481	Core Deposits . . . . .	1
60	1182N111	O-ring (replaces existing O-ring in N1 speed sensor connector cavity) . . . . .	1
61	AN742-3	Clamp . . . . .	40
62	AN742-4	Clamp . . . . .	11
63	MS16562-4	Spring Pin . . . . .	1
64	MS21919WCH4	Clamp . . . . .	7
65	MS21919WCH8	Clamp . . . . .	1
66	MS21919WCH12	Clamp . . . . .	1
67	MS21919WCH38	Clamp . . . . .	1
68	MS24665-229+	Cotter Pin (Note: "+" in contents part number indicates 5-qty pack) . . . . .	1
69	MS24665-441+	Cotter Pin (Note: "+" in contents part number indicates 5-qty pack) . . . . .	1
70	MS28778-4	Packing (engine oil cooler fittings) . . . . .	2
71	MS28778-8	Packing (engine oil cooler unions) . . . . .	2
72	MS29512-03	Packing (reducers) . . . . .	2
73	MS29512-05	Packing (low fuel switch) . . . . .	1
74	MS29512-06	Packing (fuel strainer) . . . . .	1
75	MS29512-10	Packing (left rollover valve) . . . . .	1
76	MS29513-270	Packing (cover assembly) . . . . .	1
77	NAS1149E0363R	Washer (ignition exciter box; see IPC Figure 71-5) . . . . .	1
78	NAS557-4A	Grommet . . . . .	3
79	NAS557-4B	Grommet . . . . .	3
80	NAS557-32A	Grommet – Firewall (engine drive shaft weldment) . . . . .	1
81	NAS617-8	Packing (union, oil line) . . . . .	2
82	NAS617-10	Packing (union, oil line) . . . . .	1
83	NAS617-12	Packing (fitting, breather tube) . . . . .	1
84	NAS634-105	Bolt . . . . .	3

\* ".CS" suffix indicates Blade & Spindle set was static balanced at the factory.

\*\* Replaces NAS1149E0363R at control cable installations per R66 Service Letter SL-38 (current revision).