

R66 Minimum Spare Parts Kit Instructions

The parts included in this kit are minimum spare parts required for Robinson Helicopter Company-authorized Service Centers of R66 helicopters.

NOTE

Visit 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 R66 Maintenance Manual (MM) and R66 Illustrated Parts Catalog (IPC) for installation data.

ITEM	PART NUMBER	KIT CONTENTS	QTY
1	KI-6601Instr.	Kit Instructions	1
2	A115-1	Spacer	4
3	A130-48	Spacer	4
4	A139-1	Journal – Bearing	4
5	A214-3	Washer	4
6	A215-017	O-Ring	5
7	A215-020	O-Ring	10
8	A215-133	O-Ring	2
9	A215-140	O-Ring	2
10	A255-1	Counter Weight – Swashplate	4
11	A255-2	Counter Weight – Swashplate	6
12	A257-15	Hydraulic Fluid (1-qt)	2
13	A257-22QT	Gear Oil, Synthetic (1-qt)	4
14	A257-23	Turbine Oil, HTS (MIL-PRF-23699; 1-qt)	12
15	A257-4	Oil – ATF (1-qt)	4
16	A462-4	Fitting	2
17	A522-10	Control Cable – Fuel Shutoff	1
18	A522-11	Control Cable – Fuel Valve	1
19	A558-2	Cover	6
20	A667-7	Skid Shoe Weldment – Straight	2
21	A688-1	Switch – Overtemp (main rotor gearbox)	2
22	A950-1	Guard Assembly	2
23	A950-3	Guard Assembly (attachable)	2
24	A966-3	Seal	2
25	B196-21	Lamp, Clear (28V; General Electric p/n 327)	2
26	B330-13	Palnut	40

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
27	B330-16	Palnut	40
28	B330-19	Palnut	40
29	B345-4	Pitch Link – Tail Rotor	6
30	B426-3	Switch (main rotor gearbox)	2
31	B427-1	Ring – Cotter	20
32	C105-6	Journal – Bearing	4
33	C106-5	Journal – Bearing (main rotor hub)	2
34	C106-7	Journal – Bearing (main rotor hub)	4
35	C115-1	Spacer	16
36	C117-8	Shim	8
37	C117-9	Shim	8
38	C117-10	Shim	8
39	C117-11	Shim	8
40	C117-34	Shim	10
41	C117-35	Shim	10
42	C117-36	Shim	10
43	C117-67	Shim	6
44	C117-68	Shim	6
45	C117-69	Shim	6
46	C141-1	Washer	2
47	C141-19	Washer	4
48	C141-26	Washer	8
49	C150-1	Droop Stop	2
50	C152-1	Thrust Washer – Main Rotor Hinge	2
51	C156-1	Boot – Black, Pitch Bearing (This part will be provided unless alternate part [below] is selected)	4
	C156-2	Boot – Gray, Pitch Bearing (Sub-freezing operations)	0
52	C189-14	Nut – Double-Lock	6
53	C197-1	Shim	3
54	C197-2	Shim	3
55	C197-3	Shim	3
56	C197-4	Shim	3
57	C197-5	Shim	3
58	C197-6	Shim	3
59	C204-3	Arm – Upper	1
60	C247-1	Rain Cap – Skid	2
61	C247-3	Rain Cap – Strut	2
62	C480-1	Boot	2

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
63	C522-10	Control Cable – Throttle	1
64	C522-11	Control Cable – Power Turbine Governor	1
65	C648-1	Bearing – Journal	2
66	C648-2	Bearing – Journal	4
67	C648-3	Bearing – Journal	2
68	C966-2	Seal – Oil (tail rotor gearbox)	2
69	C966-8	Seal – Oil	1
70	D173-3	Rod End	4
71	D173-4	Rod End	2
72	D210-08	Nut	5
73	D210-3	Nut	20
74	D210-4	Nut	20
75	D210-5	Nut	20
76	D454-3	Retainer	3
77	D454-4	Retainer	3
78	D454-6	Retainer	3
79	F110-2	Telatemp (temperature recorder, 140°–190°F)	5
80	F110-4	Telatemp (temperature recorder, 220°–270°F)	5
81	F300-1	Tip Cover – Main Rotor Blade	2
82	F334-2	Actuator Assembly	1
83	F411-9	Cap – Crosstube (fwd)	2
84	F550-1	Sender – Fuel Level	1
85	F651-2	Filter Element	3
86	F651-3	Seal Kit	3
87	F771-1	Filter Assembly – Air	6
88	MT936-6	Tube – Ground Handling Wheel	1
89	R8102L	R66 T-Shirt – Heather Red (L)	1
90	R8345	R66 Maintenance Manual (includes binder and tabs)	1
91	R8349	R66 Illustrated Parts Catalog (includes binder and tabs)	1
92	R8355	Class K Subscription (see “Subscriptions” under the Publications tab on website for contents)	1
93	R8460	NAS1351N3-12P Screw (painted yellow)	6
94	R8645	R66 Hat – Black	1
95	D2VW-5-1MS	Switch	2
96	V3-1001	Switch	2
97	012C	O-Ring	4
98	83319	Torque Seal – White	6
99	AN6235-1A	Hydraulic Filter	4

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
100	AN970-4	Washer	8
101	AN970-5	Washer	6
102	MS20995C20	0.020 in. dia. Safety Wire	1
103	MS20995C32	0.032 in. dia. Safety Wire	1
104	MS24665-229+	Cotter Pin (Note: "+" in contents part number indicates 5-qty pack)	1
105	MS24665-372+	Cotter Pin (Note: "+" in contents part number indicates 5-qty pack)	2
106	MS24665-441+	Cotter Pin (Note: "+" in contents part number indicates 5-qty pack)	2
107	MS27039C0806	Screw	30
108	MS27039C0807	Screw	30
109	MS27039C0808	Screw	30
110	MS28775-011	Packing	6
111	MS28778-4	Packing – O-Ring	6
112	MS28778-5	Packing – O-Ring	6
113	MS28778-6	Packing – O-Ring	6
114	MS28778-14	Packing – O-Ring	6
115	MS3367-3-9	Ty-Rap	10
116	MS3367-6-0	Ty-Rap	10
117	MS3367-7-9+	Ty-Rap (Note: "+" in part number indicates 10-qty pack)	1
118	MS35769-8	Gasket	4
119	MS35769-9	Gasket	4
120	MS35769-11	Gasket	4
121	NAS1149D0563K	Washer	20
122	NAS1149D0632J	Washer	20
123	NAS1149D0663J	Washer	20
124	NAS1149F0332P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
125	NAS1149F0363P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
126	NAS1149F0432P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
127	NAS1149F0463P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
128	NAS1149F0532P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
129	NAS1149F0563P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
130	NAS1149F0632P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
131	NAS1149F0663P+	Washer (Note: "+" in contents part number indicates 10-qty pack)	2
132	NAS1149FN816P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	2
133	NAS1304-17	Bolt	2
134	NAS1352-5-12P	Screw – Socket Cap	4
135	NAS1352N08-8	Screw – Socket Cap	8
136	NAS620-8L+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
137	NAS634-105	Bolt	6

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
138	NAS6603-3	Bolt	4
139	NAS6604-3	Bolt	3
140	NAS6604-4	Bolt	3
141	NAS6604-7	Bolt	3
142	NAS6604-16	Bolt	3
143	NAS6604-18	Bolt	3
144	NAS6604-19	Bolt	3
145	NAS6604-20	Bolt	3
146	NAS6604-21	Bolt	3
147	NAS6604-22	Bolt	3
148	NAS6604-24	Bolt	3
149	NAS6604-31	Bolt	3
150	NAS6604-36	Bolt	3
151	NAS6605-5	Bolt	3
152	NAS6606-53	Bolt	2