

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 <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.

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	C966-10	Seal – Oil	1
71	D173-3	Rod End	4
72	D173-4	Rod End	2
73	D210-08	Nut	5
74	D210-3	Nut	20
75	D210-4	Nut	20
76	D210-5	Nut	20
77	D454-3	Retainer	3
78	D454-4	Retainer	3
79	D454-6	Retainer	3
80	F110-2	Telatemp (temperature recorder, 140°–190°F)	5
81	F110-4	Telatemp (temperature recorder, 220°–270°F)	5
82	F300-1	Tip Cover – Main Rotor Blade	2
83	F334-2	Actuator Assembly	1
84	F411-9	Cap – Crosstube (fwd)	2
85	F550-1	Sender – Fuel Level	1
86	F651-2	Filter Element	3
87	F651-3	Seal Kit	3
88	F771-1	Filter Assembly – Air	6
89	MT936-6	Tube – Ground Handling Wheel	1
90	R8345	R66 Maintenance Manual (includes binder and tabs)	1
91	R8349	R66 Illustrated Parts Catalog (includes binder and tabs)	1
92	R8460	NAS1351N3-12P Screw (painted yellow)	6
93	D2VW-5-1MS	Switch	2
94	V3-1001	Switch	2
95	012C	O-Ring	4
96	83319	Torque Seal – White	6
97	AN6235-1A	Hydraulic Filter	4
98	AN970-4	Washer	8
99	AN970-5	Washer	6
100	MS20995C20	0.020 in. dia. Safety Wire	1

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
101	MS20995C32	0.032 in. dia. Safety Wire	1
102	MS24665-229+	Cotter Pin (Note: "+" in contents part number indicates 5-qty pack)	1
103	MS24665-372+	Cotter Pin (Note: "+" in contents part number indicates 5-qty pack)	2
104	MS24665-441+	Cotter Pin (Note: "+" in contents part number indicates 5-qty pack)	2
105	MS27039C0806	Screw	30
106	MS27039C0807	Screw	30
107	MS27039C0808	Screw	30
108	MS28775-011	Packing	6
109	MS28778-4	Packing – O-Ring	6
110	MS28778-5	Packing – O-Ring	6
111	MS28778-6	Packing – O-Ring	6
112	MS28778-14	Packing – O-Ring	6
113	MS3367-3-9	Ty-Rap	10
114	MS3367-6-0	Ty-Rap	10
115	MS3367-7-9+	Ty-Rap (Note: "+" in part number indicates 10-qty pack).	1
116	MS35769-8	Gasket	4
117	MS35769-9	Gasket	4
118	MS35769-11	Gasket	4
119	NAS1149D0563K	Washer	20
120	NAS1149D0632J	Washer	20
121	NAS1149D0663J	Washer	20
122	NAS1149F0332P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
123	NAS1149F0363P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
124	NAS1149F0432P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
125	NAS1149F0463P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
126	NAS1149F0532P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
127	NAS1149F0563P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
128	NAS1149F0632P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
129	NAS1149F0663P+	Washer (Note: "+" in contents part number indicates 10-qty pack)	2
130	NAS1149FN816P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	2
131	NAS1304-17	Bolt	2
132	NAS1352-5-12P	Screw – Socket Cap	4
133	NAS1352N08-8	Screw – Socket Cap	8
134	NAS620-8L+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
135	NAS634-105	Bolt	6
136	NAS6603-3	Bolt	4
137	NAS6604-3	Bolt	3
138	NAS6604-4	Bolt	3

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