

R44-series Minimum Spare Parts Kit Instructions

The parts included in this kit are minimum spare parts required for Robinson Helicopter Company-authorized Service Centers of R44-series 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 R44 Maintenance Manual (MM) and R44 Illustrated Parts Catalog (IPC) for installation data.

ITEM	PART NUMBER	KIT CONTENTS	QTY
1	KI-4401Instr.	Kit Instructions	1
2	A101-4	Rod End	2
3	A115-1	Spacer	4
4	A127-4	Rod End	2
5	A139-1	Journal – Bearing	1
6	A190-3	V-Belts (set)	1
7	A214-3	Washer	1
8	A215-006	O-Ring	1
9	A215-017	O-Ring	4
10	A215-020	O-Ring	2
11	A215-024	O-Ring	1
12	A215-133	O-Ring	1
13	A215-140	O-Ring	1
14	A215-901	O-Ring	1
15	A255-1	Counterweight – Swashplate	4
16	A255-2	Counterweight – Swashplate	4
17	A257-2	Gear Oil (1 gallon)	2
18	A257-4	Oil – ATF (1-qt)	4
19	A257-15	Hydraulic Fluid	2
20	A257-22QT	Oil – Synthetic Bearing & Gear (1-qt)	4
21	A522-7	Control Cable – Mixture (O-540)	1
22	A522-13	Control Cable – Mixture (IO-540)	1
23	A558-2	Cover	2
24	A667-7	Skid Shoe Weldment – Straight	2
25	A689-6.PT	A689-6 Fuel Cap (painted white)	1

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
26	A729-77	Tube (air/oil separator return)	1
27	A785-43	Hose – Air Duct (air/oil separator)	1
28	A950-1	Guard Assembly	2
29	A950-3	Guard Assembly (attachable)	2
30	B123-2	Engine Oil Filter	8
31	B173-3	V-Belt – Alternator (use with D729 alternators)	2
32	B173-6	V-Belt – Alternator (use with D748-6 [Plane-Power] alternator)	2
33	B196-1	Lamp, Clear (14V; General Electric p/n 330)	2
34	B196-21	Lamp, Clear (28V; General Electric p/n 327)	2
35	B196-26	Lamp, Clear (13V; General Electric p/n Q4509)	4
36	B196-27	Lamp, Clear (28V; General Electric p/n 4591)	4
37	B227-2	Switch Assembly – Intercom	2
38	B308-1	Sender – Oil Pressure	1
39	B330-13	Palnut	10
40	B330-16	Palnut	10
41	B345-4	Pitch Link – Tail Rotor	4
42	B350-3	Pin – Spring	20
43	B427-1	Ring – Cotter	20
44	B771-2	Air Filter – Reusable (O-540)	4
45	C106-5	Journal – Bearing (main rotor hub)	2
46	C106-7	Journal – Bearing (main rotor hub)	4
47	C115-1	Spacer	8
48	C117-8	Shim	3
49	C117-9	Shim	3
50	C117-10	Shim	2
51	C117-11	Shim	2
52	C117-67	Shim	3
53	C117-68	Shim	3
54	C117-69	Shim	3
55	C141-1	Washer	2
56	C141-20	Washer	1
57	C150-1	Droop Stop	2
58	C152-1	Thrust Washer – Main Rotor Hinge	2
	C156-1	Boot – Black, Pitch Bearing (This part will be provided unless alternate part [below] is selected)	4
59	C156-2	Boot – Gray, Pitch Bearing (Sub-freezing operations)	0
60	C189-14	Nut – Double-Lock	3

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
61	C247-1	Rain Cap – Skid	2
62	C247-2	Rain Cap – Strut	2
63	C480-1	Boot	2
64	C522-7	Control Cable – Carb Heat	1
65	C648-1	Bearing – Coning Hinge (main rotor hub)	2
66	C648-2	Bearing – Journal (Mast Tube)	4
67	C648-3	Bearing – Teeter Hinge (main rotor hub)	2
68	C653-1	Aft Mount – Engine	2
69	C771-2	Air Filter (IO-540)	8
70	C966-2	Seal – Oil (tail rotor gearbox)	1
71	C966-3	Seal – Oil (main rotor gearbox)	1
72	C966-5	Seal – Oil (clutch assembly)	2
73	D173-1	Rod End	4
74	D173-3	Rod End	2
75	D173-4	Rod End	2
76	D454-3	Retainer (3/16 in. dia. tube o-ring)	3
77	F110-2	Telatemp (temperature recorder, 140°–190°F)	5
78	F110-3	Telatemp (temperature recorder, 180°–230°F)	5
79	F110-4	Telatemp (temperature recorder, 220°–270°F)	5
80	MT936-6	Tube – Ground Handling Wheel	1
81	R7204	R44 Maintenance Manual (includes binder and tabs)	1
82	R7281	R44 Illustrated Parts Catalog (includes binder and tabs)	1
83	R7285	Class R Subscription (see “Subscriptions” under the Publications tab on website for contents)	1
84	R8101L	R44 T-Shirt – Heather Navy (L)	1
85	R8646	Robinson Hat – Navy	1
86	M-674*	Gasket – Spark Plug (STD-295**)	36
87	REM38E*	Spark Plug (Tempest Aero p/n UREM38E)	24
88	STD-475**	Washer (5/16 Lock, Internal Teeth)	20
89	V3-1001	Switch	2
90	012C	O-Ring	4
91	06E19769-1.00**	Gasket (crush, 1.00 inch inner dia.)	21
92	16-A48	Gasket	10
93	3080-38	Cylinder Head Temp Probe	1
94	34-0412070-63	Halogen Lamp (14V)	2
95	34-0428070-64	Halogen Tail Bulb (28V)	2
96	62224**	Gasket – Magneto Base	20

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
97	68H22624**	Cushion – Magneto Drive	10
98	73383**	Lockplate – Alternator Mount	3
99	77611**	Gasket	6
97	83319	Torque Seal – White	4
98	951392	O-Ring – Servo Fuel Control	2
99	AN3-41A	Bolt	2
100	AN6235-1A	Hydraulic Filter	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	MS20995C41	0.041 in. dia. Safety Wire	1
105	MS24665-229+	Cotter Pin (Note: “+” in contents part number indicates 5-qty pack)	1
106	MS24665-372+	Cotter Pin (Note: “+” in contents part number indicates 5-qty pack)	2
107	MS24665-441+	Cotter Pin (Note: “+” in contents part number indicates 5-qty pack)	2
108	MS27039C0806	Screw	30
109	MS28775-011	Packing	3
110	MS28778-14	Packing	4
111	MS3367-3-9	Ty-Rap	10
112	MS3367-6-0	Ty-Rap	10
113	MS35769-8	Gasket	2
114	MS35769-9	Gasket	2
115	MS35769-11	Gasket	2
116	NAS1149D0563K	Washer	20
117	NAS1149F0332P+	Washer (Note: “+” in contents part number indicates 20-qty pack)	1
118	NAS1149F0363P+	Washer (Note: “+” in contents part number indicates 20-qty pack)	1
119	NAS1149F0432P+	Washer (Note: “+” in contents part number indicates 20-qty pack)	1
120	NAS1149F0463P+	Washer (Note: “+” in contents part number indicates 20-qty pack)	1
121	NAS1149F0532P+	Washer (Note: “+” in contents part number indicates 20-qty pack)	1
122	NAS1149F0563P+	Washer (Note: “+” in contents part number indicates 20-qty pack)	1
123	NAS1149FN816P+	Washer (Note: “+” in contents part number indicates 20-qty pack)	2
124	NAS1304-17	Bolt	2
125	NAS634-105	Bolt	3
126	NAS6604-3	Bolt	3
127	NAS6604-4	Bolt	3
128	NAS6604-7	Bolt	3
129	NAS6604-16	Bolt	3
130	NAS6604-18	Bolt	3

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
131	NAS6604-19	Bolt	3
132	NAS6604-20	Bolt	3
133	NAS6604-21	Bolt	3
134	NAS6604-22	Bolt	3
135	NAS6604-24	Bolt	3
136	NAS6604-30	Bolt	3
137	NAS6605-5	Bolt	3

* Champion part number

** Lycoming part number