

R22-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 R22-series 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 R22 Maintenance Manual (MM) and R22 Illustrated Parts Catalog (IPC) for installation data.

ITEM	PART NUMBER	KIT CONTENTS	QTY
1	KI-2201Instr.	Kit Instructions	1
2	A101-4	Rod End	2
3	A105-17	Bearing – Journal (mast tube)	2
4	A106-5	Journal – Bearing (main rotor hub, teeter)	2
5	A106-7	Journal – Bearing (main rotor hub, coning. A106-1, -2, -3, & -6 journals are available in limited supply and may be purchased separately.)	4
6	A115-1	Spacer	4
7	A117-5	Washer – Shim	2
8	A117-6	Washer – Shim	2
9	A117-7	Washer – Shim	2
10	A117-8	Washer – Shim	2
11	A117-45	Washer – Shim	2
12	A117-46	Washer – Shim	2
13	A117-47	Washer – Shim	2
14	A117-48	Washer – Shim	2
15	A117-49	Washer – Shim	2
16	A117-50	Washer – Shim	2
17	A117-51	Washer – Shim	2
18	A118-4	Shim	1
19	A118-5	Shim	1
20	A118-6	Shim	1
21	A127-4	Rod End	2
22	A130-1	Spacer	2
23	A139-1	Bearing – Journal	1
24	A141-24	Washer	4
25	A150-1	Droop Stop	2

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
26	A152-1	Thrust Washer – Main Rotor Hub (A154 & B370 hub)	6
27	A152-2	Thrust Washer – Main Rotor Hub (B370 hub, coning)	4
28	A156-1	Boot – Pitch Bearing	2
29	A189-10	Nut – Double-Lock	3
30	A189-12	Nut – Double-Lock	2
31	A190-2	V-Belts (set)	1
32	A214-3	Washer	1
33	A215-017	O-Ring	4
34	A215-020	O-Ring	2
35	A247-1	Rain Cap	2
36	A247-6	Rain Cap	2
37	A255-1	Counter Weight – Swashplate	1
38	A255-2	Counter Weight – Swashplate	2
39	A257-2	Gear Oil (1 gallon)	2
40	A257-4	Oil – ATF (1-qt)	5
41	A257-22QT	Oil – Synthetic Bearing & Gear (1-qt)	4
42	A258-5	Pitch Link Assy	2
43	A480-1	Boot – Swashplate	1
44	A522-12	Control Cable – Mixture	1
45	A558-1	Cover – Tailcone	2
46	A648-1	Bearing – Main Rotor Hub (A154 hub, coning)	4
47	A648-2	Bearing – Main Rotor Hub (B370 hub, coning)	4
48	A648-3	Bearing – Main Rotor Hub (A154 & B370 hubs, teeter)	2
49	A667-5	Skid Shoe – Straight	2
50	A689-6.PT	A689-6 Fuel Cap (painted white)	1
51	A729-31	Tube	1
52	A729-76	Tube (air/oil separator return)	1
53	A785-1	Hose – Air Duct	1
54	A785-43	Hose – Air Duct (air/oil separator)	1
55	A950-1	Guard Assembly – Mixture Control	2
56	A966-1	Seal	2
57	B115-1	Bearing	6
58	B123-2	Engine Oil Filter	6
59	B155-2	Shim	6
60	B163-1	Rod End	6
61	B173-1	V-Belt – Alternator	1
62	B196-1	Lamp, Clear (14V; General Electric p/n 330)	2
63	B196-26	Lamp, Clear (13V; General Electric p/n Q4509)	4

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
64	B227-2	Switch Assembly – Intercom	2
65	B308-1	Sender – Oil Pressure	1
66	B330-13	Palnut	10
67	B345-3	Pitch Link – Tail Rotor	2
68	B350-2	Pin – Spring	20
69	B771-1	Air Filter – Reusable	6
70	C522-8	Control Cable – Carb Heat	1
71	F110-2	Telatemp (temperature recorder, 140°–190°F)	5
72	F110-4	Telatemp (temperature recorder, 220°–270°F)	5
73	MT936-8	Tube – Ground Handling Wheel	1
74	R7043	R22 Illustrated Parts Catalog	1
75	R7044	R22 Maintenance Manual	1
76	LW-12272**	Lockplate	3
77	M-674*	Gasket – Spark Plug (STD-295**)	32
78	REM38E*	Spark Plug (Tempest Aero p/n UREM38E)	16
79	STD-475**	Washer (5/16 Lock, Internal Teeth)	20
80	V3-1001	Switch	2
81	012C	O-Ring	4
82	06E19769-1.00**	Gasket (crush 1.00 inch inner dia.)	21
83	16-A36	Gasket	5
84	3080-38	Cylinder Head Temp Probe	1
85	34-0412070-63	Halogen Lamp (14V)	2
86	5-108	O-Ring	1
87	62224**	Gasket – Magneto Base	20
88	77611**	Gasket – Exhaust	6
89	83319	Torque Seal – White	4
90	AN3-41A	Bolt	2
91	MS20995C20	0.020 in. dia. Safety Wire	1
92	MS20995C32	0.032 in. dia. Safety Wire	1
93	MS20995C41	0.041 in. dia. Safety Wire	1
94	MS24665-151+	Cotter Pin (Note: “+” in contents part number indicates 20-qty pack)	1
95	MS24665-372+	Cotter Pin (Note: “+” in contents part number indicates 5-qty pack)	2
96	MS27039C0806	Screw	10
97	MS3367-3-9	Ty-Rap	10
98	MS3367-6-0	Ty-Rap	10
99	MS35769-8	Gasket	2
100	MS35769-9	Gasket	2
101	MS35769-11	Gasket	4

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
102	NAS1149D0432K	Washer	20
103	NAS1149D0463K	Washer	20
104	NAS1149F0332P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
105	NAS1149F0363P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
106	NAS1149F0432P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
107	NAS1149F0463P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
108	NAS1149F0532P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
109	NAS1149FN816P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	2
110	NAS1304-17	Bolt	2
111	NAS630-80	Bolt	3
112	NAS632-82	Bolt	2
113	NAS6604-3	Bolt	3
114	NAS6604-4	Bolt	3
115	NAS6604-7	Bolt	3
116	NAS6604-16	Bolt	3
117	NAS6604-19	Bolt	3
118	NAS6604-21	Bolt	3
119	NAS6604-30	Bolt	3
120	NAS6604-38	Bolt	3
121	NAS6605-5	Bolt	3
122	NAS6606-42	Bolt	3

* Champion part number

** Lycoming part number