

R44 II IO-540 Engine Installation Provisions Kit Instructions

Engine not included. (New or overhauled engines ordered from RHC have provisions kit installed.)

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-4406Instr.	Kit Instructions	1
2	A130-51	Spacer	1
3	A412-1	Cover	2
4	A457-6	Fitting.	1
5	A457-9	Tee	1
6	A457-10	Elbow	1
7	A484-3	Plate	6
8	A701-1.5FT	Aluminum Tape (1-inch wide, 5 foot length)	1
9	A729-10	Tube	1
10	A729-31*	Tube (for use with C727-2 breather tube [0.75-inch diameter]. This part will be provided unless alternate parts [below] are selected.)	1
	A785-43	Hose (for use with C728-2 [engine air/oil] separator assembly.)	0
	A729-77	Tube (for use with C728-2 [engine air/oil] separator assembly.)	0
11	A729-34	Tube	1
12	A729-35	Tube	1
13	A729-36	Tube	1
14	A785-19	Hose – Air Duct (magnetos)	2
15	A785-32	Hose – Air Duct (alternator)	1
16	B161-102-3	Spirap (1/8-inch diameter, 3-inch length)	4
17	B162-2	Clipnut	12
18	B173-6	V-Belt – Alternator (for use with D748-6 alternator. This part will be provided unless an alternate part [below] is selected.)	1
	B173-3	V-Belt – Alternator (for use with D748-1 alternator).	0
19	B277-16	Clamp	2
20	B277-24	Clamp	2
21	B277-28	Clamp	6
22	B283-7	Hose Assembly (fuel system)	1
23	B401-2	Grommet – Angle Valve	11

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
24	C306-4	Panel Assembly (upper)	1
25	C306-5	Panel (lower)	1
26	C309-6	Panel Assembly	1
27	C310-4	Panel Assembly (upper)	1
28	C310-5	Panel (lower)	1
29	C357-1	Clip – Single Bend ([6] for ignition harness; [1] for LH magneto cooling hose)	7
30	C357-3	Clip – Straight (oil cooler lines)	3
31	C357-4	Clip – Double Bend (replaces C357-1 clip for RH magneto cooling hose). . .	1
32	C449-1	Cover Assembly (engine, RH side)	1
33	C449-3	Cover Assembly (engine, LH side, with aft battery installation. This part will be provided unless alternate part [below] is selected.)	1
	C449-1	Cover Assembly (engine, LH side, all other battery installations)	0
34	C487-1	Retainer – Straight	2
35	C487-2	Retainer – Bent	2
36	C730-1	Guard – Fuel Hose	1
37	D143-1	Nut Assembly	2
38	D210-3	Nut	12
39	D319-4	Fitting (replaces superceded MS21900D6 adapter)	1
40	D380-1	Panel Assembly – LH	1
41	D380-3	Panel Assembly – Center (large)	2
42	D380-7	Panel Assembly – LH (end)	1
43	D380-9	Panel – Center (small)	2
44	D380-10	Panel Assembly – RH	1
45	D380-12	Panel Assembly – RH (end)	1
46	D381-1	Cover Assembly – LH (cooling system)	1
47	D382-4	Cover Assembly – RH (top)	1
48	D382-5	Cover Assembly – RH (end)	1
49	D664-2	Strap	2
50	D695-6	Cover	1
51	D751-1	Panel Assembly – Aux Oil Cooler	1
52	D754-1	Baffle Assembly – Intercylinder	1
53	D774-13	Spring	4
54	STD-160	Lockwasher (Lycoming part number)	2
55	06B26811**	Gasket (Lycoming part number)	6
56	73032	Gasket (Lycoming part number)	1
57	MS21042L08	Nut	117
58	MS21919WDG2	Clamp	2

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
59	MS21919WDG4	Clamp	2
60	MS21919WDG6	Clamp	2
61	MS21919WDG7	Clamp	1
62	MS21919WDG22	Clamp	2
63	MS27039C0805	Screw	119
64	MS27039C0806	Screw	32
65	MS27039C0807	Screw	2
66	MS29512-06	Packing	1
67	MS3367-3-9	Ty-Rap	10
68	MS3367-5-9+	Ty-Rap (Note: "+" in contents part number indicates 20-qty pack)	1
69	MS3367-7-9+	Ty-Rap (Note: "+" in contents part number indicates 10-qty pack)	1
70	MS35489-2	Grommet	6
71	NAS1149F0332P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	1
72	NAS1149FN816P+	Washer (Note: "+" in contents part number indicates 20-qty pack)	10
73	NAS1351-3-6P	Screw	1
74	NAS1351-3-16P	Screw	12
75	NAS1352-08-8P	Screw – Socket Cap	5
76	NAS6603-5	Bolt	1

* KI-255-2 R44-series Engine Air-Oil Separator Installation Kit replaces breather tube installation, and incl A785-43 hose & A729-77 tube; order kit separately.

** Replaces cork gaskets (if installed) under rocker box covers on engine.