

R44 O-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-4405Instr.	Kit Instructions	1
2	A141-11	Washer	2
3	A305-7	Panel Assembly (small)	4
4	A305-8	Panel (large)	4
5	A484-3	Plate	6
6	A701-1.5FT	Aluminum Tape (1-inch wide, 5-ft length)	1
7	A729-31*	Tube	1
8	A785-19	Hose – Air Duct (magnetos)	2
9	A785-32	Hose – Air Duct (alternator)	1
10	B161-102-3	Spirap (1/8-inch diameter, 3-inch length)	4
11	B162-2	Clipnut	12
12	B173-6	V-Belt – Alternator (for use with D748-5 or D748-6 alternator. This part will be provided unless alternate part [below] is selected.)	1
	B173-2	V-Belt – Alternator (for use with D729-1 alternator)	0
	B173-3	V-Belt – Alternator (for use with D748-1 or D748-2 alternator)	0
13	B277-16	Clamp	2
14	B277-24	Clamp	2
15	B277-28	Clamp	6
16	B401-1	Grommet – Parallel Valve	12
17	C130-9	Spacer	2
18	C305-12	Panel – RH (forward)	1
19	C305-13	Panel Assembly – LH (aft)	1
20	C305-14	Panel Assembly – RH (aft, large oil cooler)	1
21	C305-15	Panel Assembly – LH (forward)	1
22	C306-1	Panel Assembly (upper)	1
23	C306-2	Panel (lower)	1
24	C308-4	Cover Assembly – RH (top)	1

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
25	C308-5	Cover Assembly – RH (end)	1
26	C309-5	Panel Assembly (oil cooler)	1
27	C310-1	Panel Assembly (upper)	1
28	C310-2	Panel (lower)	1
29	C312-1	Cover Assembly – LH (cooling system)	1
30	C313-7	Panel Assembly – LH Aft (without hose)	1
31	C357-1	Clip – Single Bend ([3] for ignition harness; [1] for LH magneto cooling hose)	4
32	C357-4	Clip – Double Bend (replaces C357-1 clip for RH magneto cooling hose)	1
33	C449-1	Cover Assembly (engine, r/h side)	1
34	C449-3	Cover Assembly (engine, l/h side, with aft battery installation. This part will be provided unless alternate part [below] is selected.)	1
	C449-1	Cover Assembly (engine, l/h side, all other battery installations)	0
35	C487-1	Retainer – Straight	2
36	C487-2	Retainer – Bent	2
37	C653-1	Rubber Pads - Engine mount	2
38	C653-2	Rubber Pads - Engine mount	2
39	D664-2	Strap	2
40	D754-4	Baffle Assembly – Intercylinder	1
41	D774-13	Spring	4
42	STD-160	Lockwasher (Lycoming part number)	2
43	06B26669**	Gasket (Lycoming part number)	6
44	MS21042L08	Nut	118
45	MS21919WDG2	Clamp	2
46	MS21919WDG22	Clamp	2
47	MS27039C0805	Screw	106
48	MS27039C0806	Screw	73
49	MS27039C0807	Screw	3
50	MS3367-3-9	Ty-Rap	10
51	MS3367-5-9+	Ty-Rap (Note: “+” in contents part number indicates 20-qty pack)	1
52	MS3367-7-9+	Ty-Rap (Note: “+” in contents part number indicates 10-qty pack)	1
53	NAS1149F0332P	Washer	1
54	NAS1149F0432P+	Washer (Note: “+” in contents part number indicates 20-qty pack)	2
55	NAS1149FN816P+	Washer (Note: “+” in contents part number indicates 20-qty pack)	7
56	NAS1352-08-8P	Screw – Socket Cap	5
(Kit contents continues on next page)			

ITEM	PART NUMBER	KIT CONTENTS (Cont'd)	QTY
57	NAS1352-3H6P	Screw – Socket Cap	1
58	NAS1352-4H10P	Screw – Socket Cap	22
59	NAS1352-4H14P	Screw – Socket Cap	2

* Use with C727-2 Breather Tube (0.75-inch diameter). Refer to R44 IPC Figure 71-5.

Engines equipped with C728-2 engine air/oil separator assembly require [1] A785-43 hose and [1] A729-77 tube; order parts separately. To upgrade breather tube installation with air/oil separator installation, order KI-255-2 R44-series Engine Air-Oil Separator Installation Kit.

** Replaces cork gaskets (if installed) at rocker box cover.