

CHAPTER 21

ENVIRONMENT CONTROL

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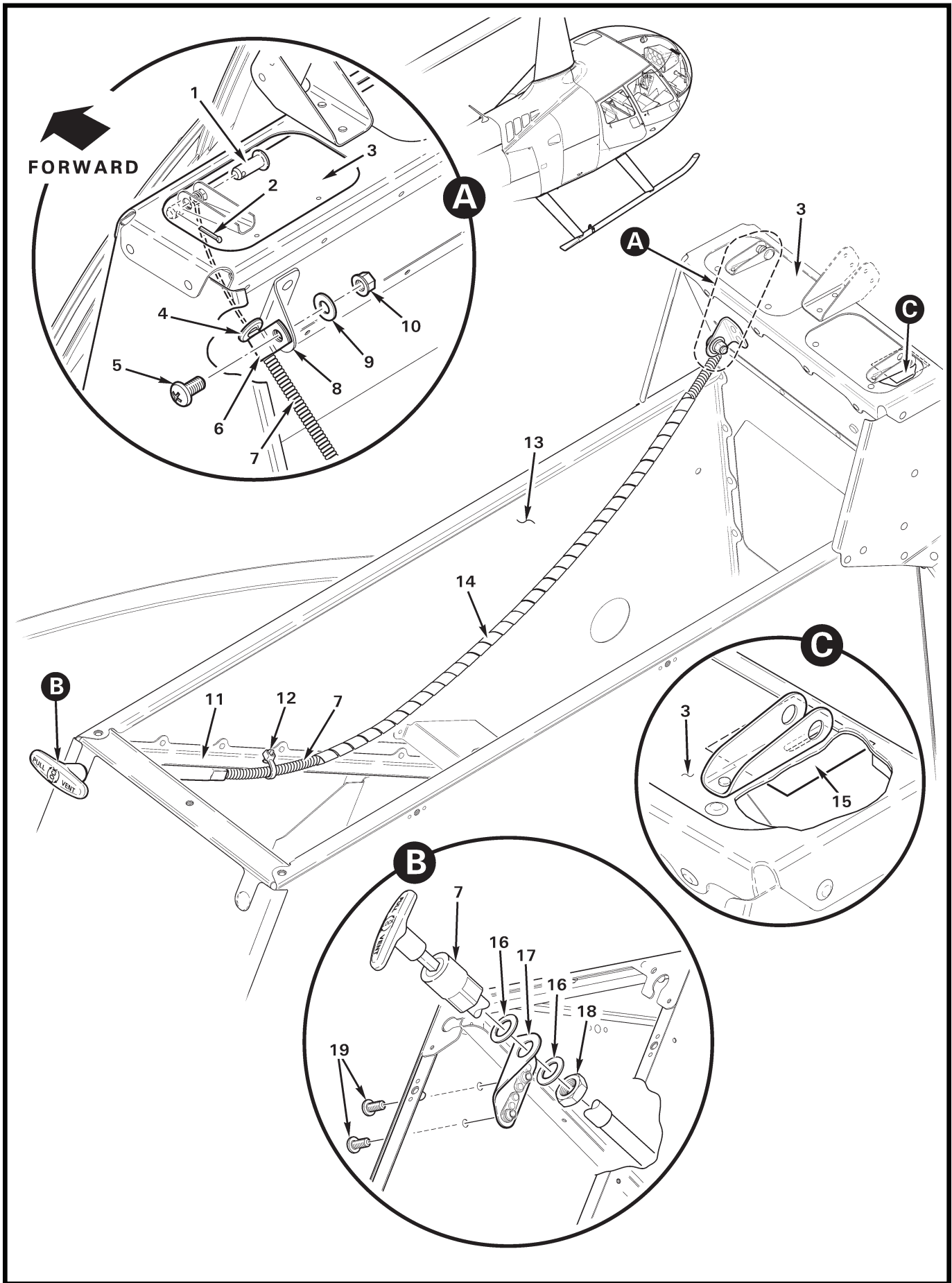


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		CABIN AIR VENT – CONTROL INSTALLATION		
21-1-1	MS20392-2C13	Pin	X	1
2	MS24665-86	Cotter Pin	X	1
3	C358-4	Flap (door; Ref)		
4	MS35489-4	Grommet	X	1
5	MS27039C1-06	Screw	X	1
6	AN742-3	Clamp	X	1
7	C522-5 *	Control Assembly – Cabin Air (Incl items 16 and 18)	X	1
8	A523-6	Angle (Ref)		
9	NAS1149F0332P	Washer	X	1
10	D210-3	Nut	X	1
11	F365-1	Angle (Ref)		
12	MS3367-5-9	Ty-Rap	X	1
13	F359	Panel (Ref)		
14	B161-4	Spirap (optional to protect adjacent wires)	X	A/R
15	A701-1	Tape (install on underside of item 3, RH; to cover unused slot)	X	A/R
16	—	Washer	O	2
17	C365-13	Mount Assembly	X	1
18	—	Nut	O	1
19	MS27039C0806	Screw	X	2
NOTES * Install with knob horizontal within 15 degrees when locked. Clearance under knob to be 0.03 to 0.10 inch with knob fully depressed.				

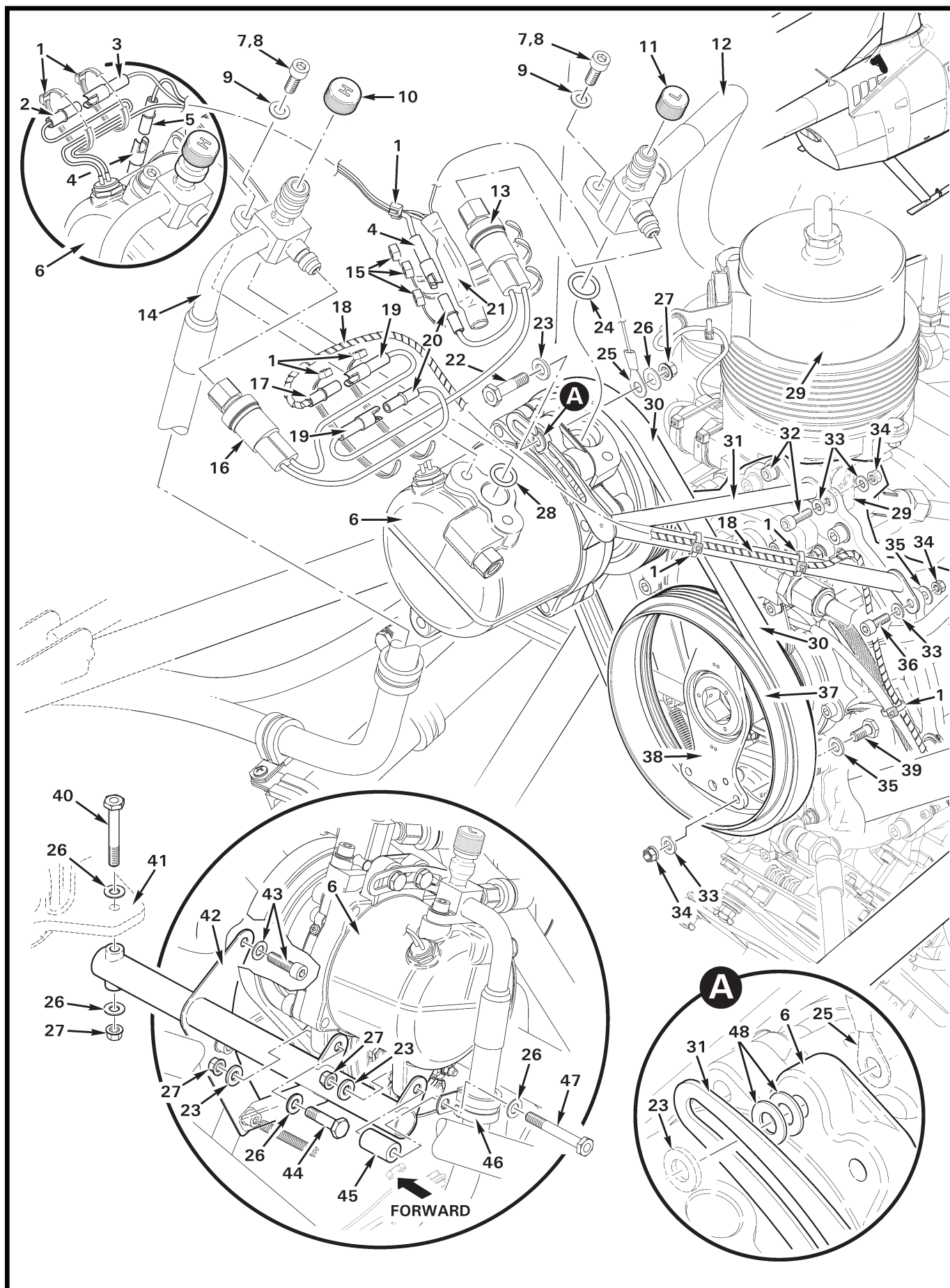


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
AIR CONDITIONING – COMPRESSOR ASSEMBLY INSTALLATION				
21-3-1	MS3367-4-9	Ty-Rap	X	A/R
2	B263-11	Housing	X	1
	B263-4	Socket	X	1
3	B263-10	Housing	X	2
	B263-1	Pin	X	2
4	B263-10	Housing	X	2
	B263-3	Pin	X	2
5	B263-11	Housing	X	1
	B263-2	Socket	X	1
6	G777-1	Compressor Assembly (Incl items 2 and 4)	X	1
7	91292A135	Screw (install using one drop item 8 on threads)	X	2
8	B270-20	Adhesive	X	A/R
9	NAS620-416L	Washer	X	2
10	MT0311	Cap – Valve (light blue plastic, high pressure port)	X	1
11	MT0310	Cap – Valve (light blue plastic, low pressure port)	X	1
12	G794-1	Hose Assembly (Ref)		
13	D799-3	Switch Assembly (low-pressure cutout; includes items 19 and 20)	X	1
14	G794-2	Hose Assembly (Ref)		
15	MS3367-5-9	Ty-Rap	X	3
16	D799-9	Switch Assembly (high-pressure cutout; includes items 19 and 20)	X	1
17	B263-11 *	Housing	X	1
	B263-2 *	Socket	X	1
18	B161-2 *	Spirap	X	A/R
19	B263-10	Housing	X	2
	B263-3	Pin	X	2
20	B263-11	Housing	X	2
	B263-3	Pin	X	2
21	G799-5	Snubber Assembly (Incl items 3, 5, and 25)	X	1
22	NAS6604-11	Bolt	X	2
23	NAS1149F0463P	Washer	X	4
24	F215-2	O-Ring	X	1
25	B260-5	Terminal	X	1
26	NAS1149F0432P	Washer	X	6
NOTES * Included with F049-01 MRGB harness assembly.				
Continues				

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
AIR CONDITIONING – COMPRESSOR ASSEMBLY INSTALLATION (Cont'd)				
21-3-27	D210-4	Nut	X	5
28	F215-1	O-Ring	X	1
29	D211-3	Reservoir Assembly (Ref)		
30	B173-5	V-Belt	X	1
31	G781-1	Arm Weldment	X	1
32	NAS1351-3-16P	Screw	X	2
33	NAS620-10L	Washer	X	9
34	D210-3	Nut	X	7
35	NAS1149F0332P	Washer	X	5
36	NAS1351-3-10P	Screw	X	1
37	G779-1	Pulley	X	1
38	F908-1	Yoke Assembly (Ref; see Figure 63-3)		
39	NAS6603-4	Bolt	X	4
40	NAS6604-22	Bolt	X	1
41	F006-1	Main Rotor Gearbox Assembly (Ref; see Figure 63-3)		
42	G782-1	Mount Weldment	X	1
43	–	Existing MRGB Hardware (Ref; see Figure 63-3)		
44	NAS6604-10	Bolt	X	1
45	A130-43	Spacer	X	1
46	MS21333-105	Clamp	X	1
47	NAS6604-24	Bolt	X	1
48	NAS1149F0432P*	Washer ([4] required each fastener. 0 – 4 washers required to fill any gap greater than 0.016 inch between items 6 and 31 [measured at inboard fastener]. Install remaining washers between items 23 and 31.)	X	8
NOTES * Washer positions on outboard bolt to be same as inboard bolt.				

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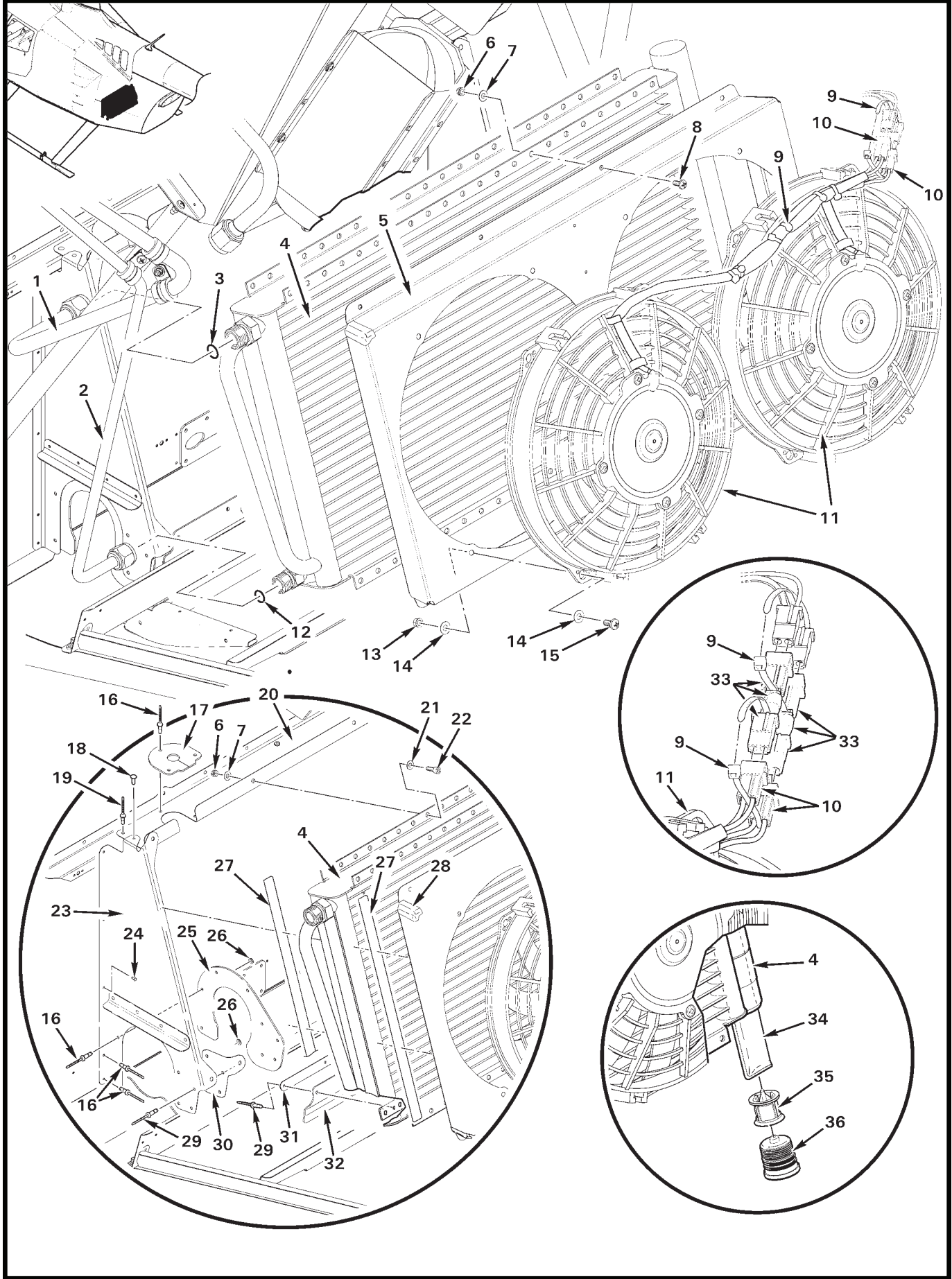


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		AIR CONDITIONING – CONDENSER INSTALLATION		
21-7-1	G810-1	Line Assembly (Ref)		
2	G811-1	Line Assembly (Ref)		
3	24608	O-Ring (Ref)		
4	G783-1	Condenser (Incl items 34 thru 36)	X	1
5	G786-1	Box Assembly (Incl item 28)	X	1
6	MS21042L08	Nut	X	14
7	NAS1149FN816P	Washer	X	14
8	MS27039C0806	Screw	X	8
9	MS3367-5-9	Ty-Rap	X	A/R
10	B263-12	Housing	X	1
	B263-1	Pin	X	2
11	G780-1	Fan Assembly (Incl item 10)	X	2
12	24606	O-Ring (Ref)		
13	MS21042L3	Nut	X	8
14	NAS1149F0316P	Washer	X	16
15	MS27039C1-07	Screw	X	8
16	NAS9301B-4-02	Rivet	X	15
17	G788-3	Seal	X	1
18	MS20470AD3	Rivet (or NAS9301B-4-02)	X	2
19	NAS9301B-4-01	Rivet	X	6
20	G785-1	Angle	X	1
21	NAS620-10	Washer	X	6
22	NAS1352-08-8P	Screw	X	6
23	G787-1	Support (LH; includes items 16, 25, 26, 29, and 30)	X	1
	G787-2	Support (RH; includes items 16, 25, 26, 29, and 30)	X	1
24	MS20615-3M	Rivet (upper)	X	6
25	G788-2	Seal	X	1
26	NAS620-5	Washer	X	8
27	93745K41	Seal (self-adhesive)	X	A/R
28	A701-1	Foil Tape	X	A/R
29	NAS9301B-4-03	Rivet ([4] required with item 23)	X	7
30	G787-3	Bracket (LH)	X	1
	G787-4	Bracket (RH)	X	1
31	G785-2	Retainer	X	1
32	G788-1	Seal	X	1
NOTES				
Continues				

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
21-7-33	G804-1	AIR CONDITIONING – CONDENSER INSTALLATION (Cont’d)		
		EMI Filter Assembly (condenser fan; installed on one or the other or both as required to eliminate Electromagnetic Interference in the radios from the condenser fans)	X	A/R
		Desiccant Bag	X	1
		Filter	O	1
		Cap	O	1
34	G783-2			
35	—			
36	—			
NOTES				

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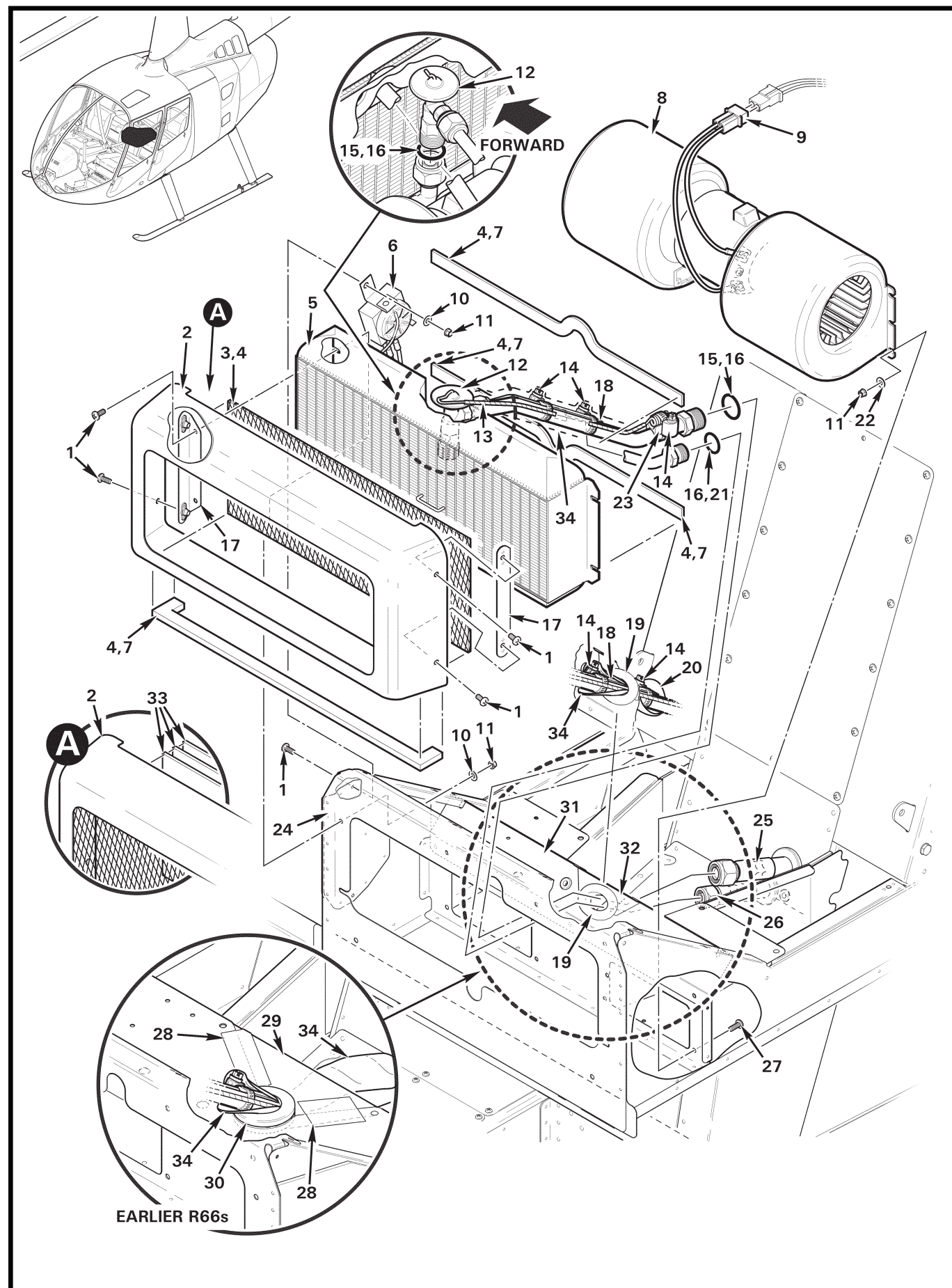


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		AIR CONDITIONING – EVAPORATOR ASSEMBLY INSTALLATION		
21-11-1	MS27039C0806	Screw	X	8
2	G798-1	Cover Assembly (Incl items 3 and 4)	X	1
3	F389-1	Screen (install using item 4)	X	1
4	B270-1	Sealant	X	A/R
5	G784-1	Evaporator Assembly	X	1
6	D799-7	Switch Assembly – Freeze (Ref, see Figure 21-15)		
7	93745K41	Seal (install using item 4)	X	A/R
8	G791-1	Blower Assembly (Incl item 9)	X	1
9	G791-2	Harness Assembly (includes B263-12 housing, [2] B263-3 pins, -2295 & -2298 wires, and [2] B262-5 receptacle)	X	1
10	NAS1149FN816P	Washer	X	4
11	MS21042L08	Nut	X	13
12	G778-1	Thermal Expansion Valve (TXV)	X	1
13	B161-2	Spirap	X	A/R
14	B277-8	Clamp	X	3
15	F215-013	O-Ring (install using item 16)	X	2
16	A257-20	Oil – Pag	X	A/R
17	F385-8	Bracket Assembly	X	2
18	D785-7	Cradle	X	1
19	MS35489-20*	Grommet	X	1
20	5541K11	Pipe Wrap (around inlet & outlet lines, nuts, cradle, & clamp)	X	A/R
21	F215-011	O-Ring (install using item 16)	X	2
22	NAS1149FN832P	Washer	X	8
23	D785-2	Cradle	X	1
24	F377-1	Support Assembly – Middle Seat (Ref)		
25	G794-1	Hose Assembly (Ref, see Figure 21-17)		
26	G794-3	Hose Assembly (Ref, see Figure 21-17)		
27	MS27039C0807	Screw	X	8
28	A701-1	Tape (optional)	X	A/R
29	F380-7	Cover (Ref)		
30	MS35489-23*	Grommet	X	1
31	F393-1	Shield (Ref)		
32	F393-2	Cover (bend tabs on item 31 as required to retain)	X	1
33	D812-9	Screen (as required for evaporator noise suppression; 3 max)	X	A/R
34	A701-17	Tape	X	A/R

NOTES * May be split and bonded at split after installation using B270-17 adhesive.

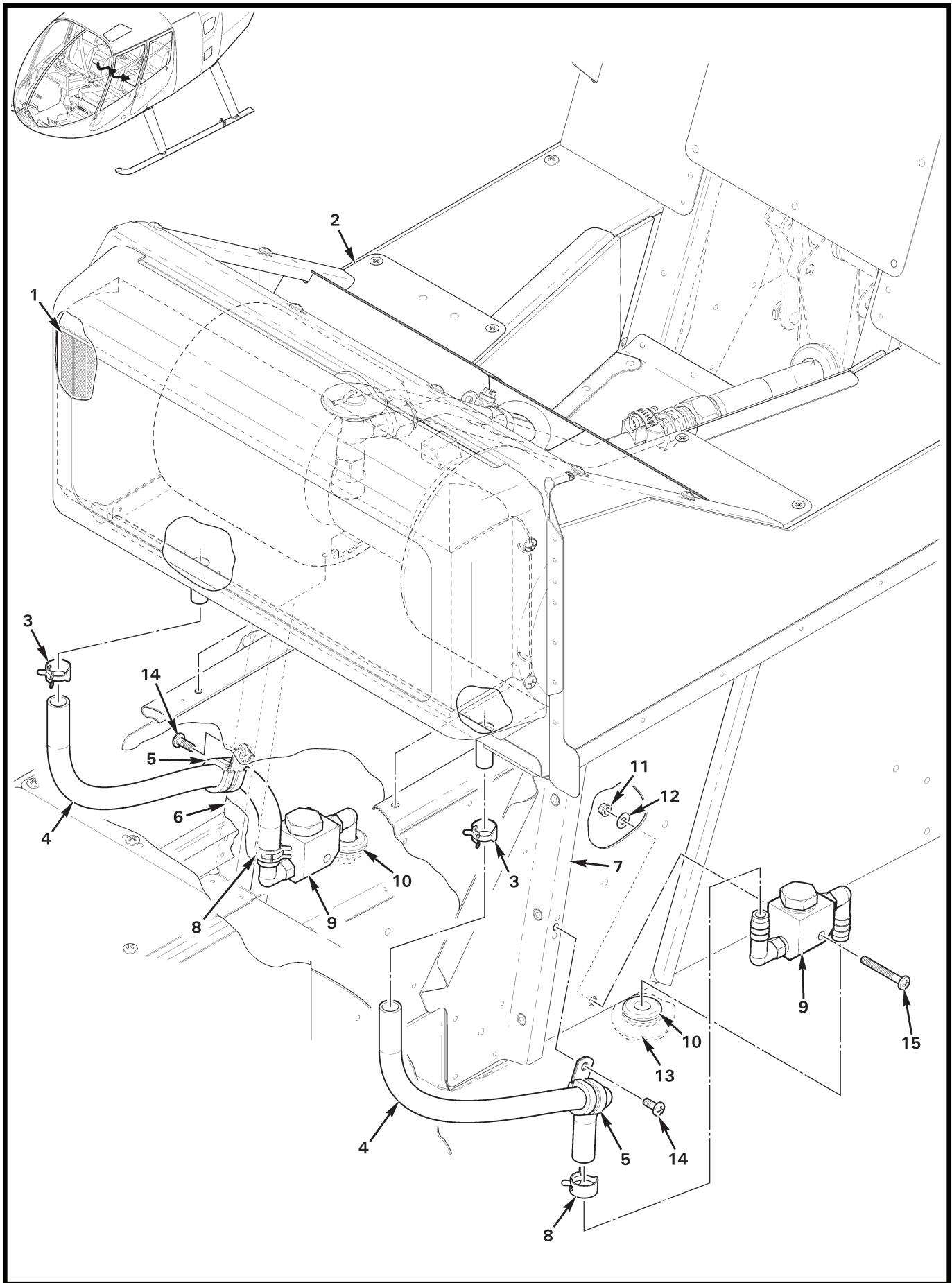


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
AIR CONDITIONING – EVAPORATOR DRAIN INSTALLATION				
21-11B-1	G784-1	Evaporator Assembly (Ref, see Figure 21-11)		
2	F377-1	Seat Assembly – Middle, Aft (Ref)		
3	D277-8	Clamp	X	2
4	A729-59	Tube	X	2
5	MS21919WDG8	Clamp	X	2
6	F382-6	Stiffener (RH; Ref)		
7	F382-5	Stiffener (LH; Ref)		
8	D277-9	Clamp (point prongs toward keel panel $\pm 90^\circ$)	X	2
9	D789-11	Drain Assembly	X	2
10	MS35489-11	Grommet	X	2
11	MS21042L08	Nut	X	2
12	NAS1149FN816P	Washer	X	2
13	F387-1	Belly Panel (Ref)		
14	MS27039C0806	Screw	X	2
15	MS27039C0820	Screw	X	2
NOTES				

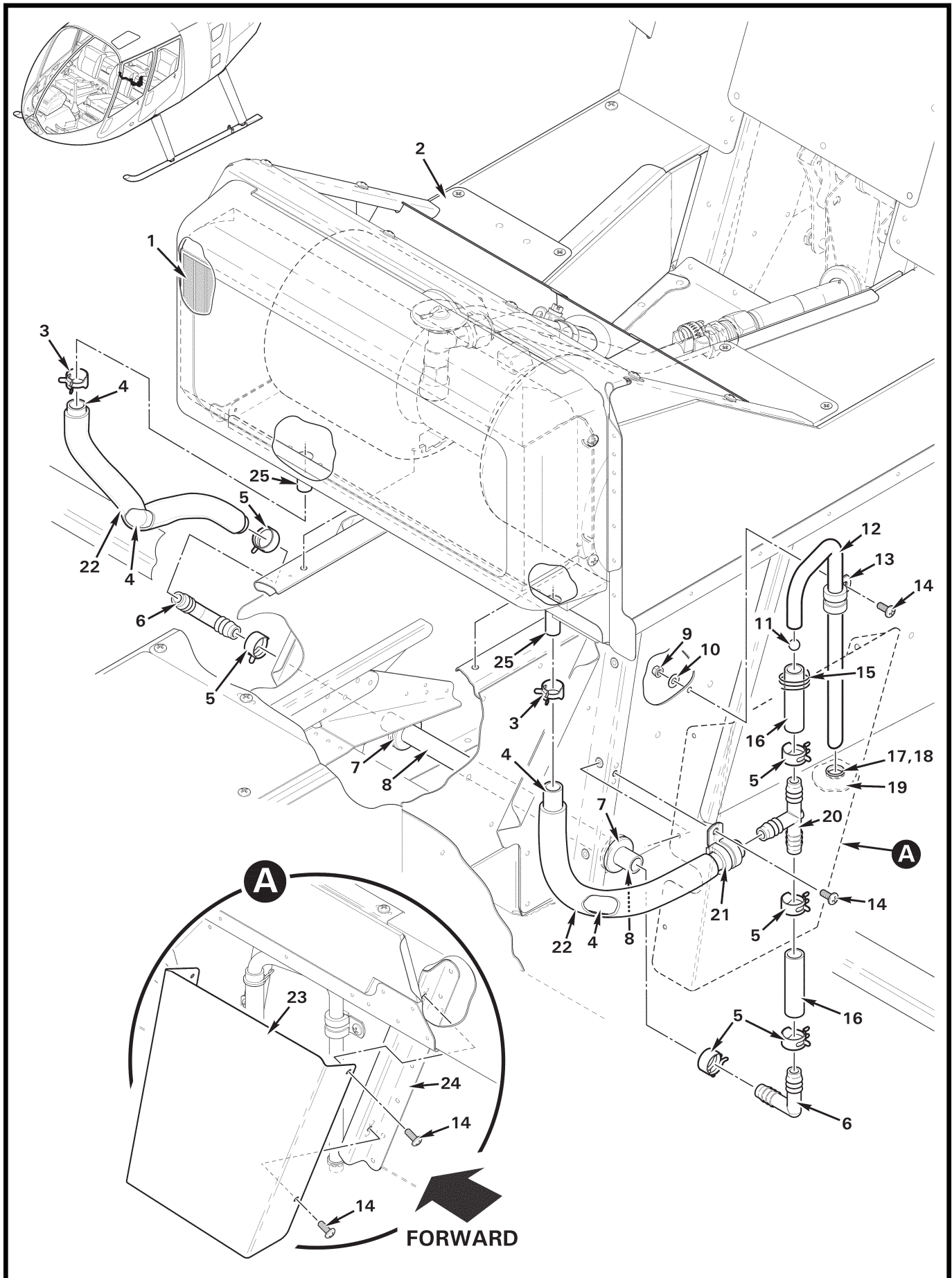


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		AIR CONDITIONING – EVAPORATOR DRAIN INSTALLATION		
21-13-1	G784-1	Evaporator Assembly (Ref, see Figure 21-11)		
2	F377-1	Seat Assembly – Middle, Aft (Ref)		
3	D277-8	Clamp	X	2
4	A729-59	Hose	X	2
5	D277-9	Clamp	X	6
6	A457-7	Elbow	X	2
7	MS35489-149	Grommet	X	2
8	A729-58	Hose	X	1
9	MS21042L08	Nut	X	1
10	NAS1149FN816P	Washer	X	1
11	B208-9	Ball	X	1
12	D789-10	Tube	X	1
13	MS21919WDG6	Clamp	X	1
14	MS27039C0806	Screw	X	4
15	MS20995C32	0.032 inch dia. Safety Wire	X	A/R
16	A729-57	Hose	X	2
17	NAS557-6A	Grommet (install using item 18; seal all around grommet and tube, both sides of belly panel)	X	1
18	B270-1	Sealant	X	A/R
19	F387-1	Belly Panel (Ref)		
20	A457-1	Tee	X	1
21	MS21919WDG8	Clamp	X	1
22	5541K11	Pipe Wrap	X	A/R
23	G789-1	Cover	X	1
24	F466-3	Stiffener (Ref)		
25	A456-1	Drain	X	2
NOTES				

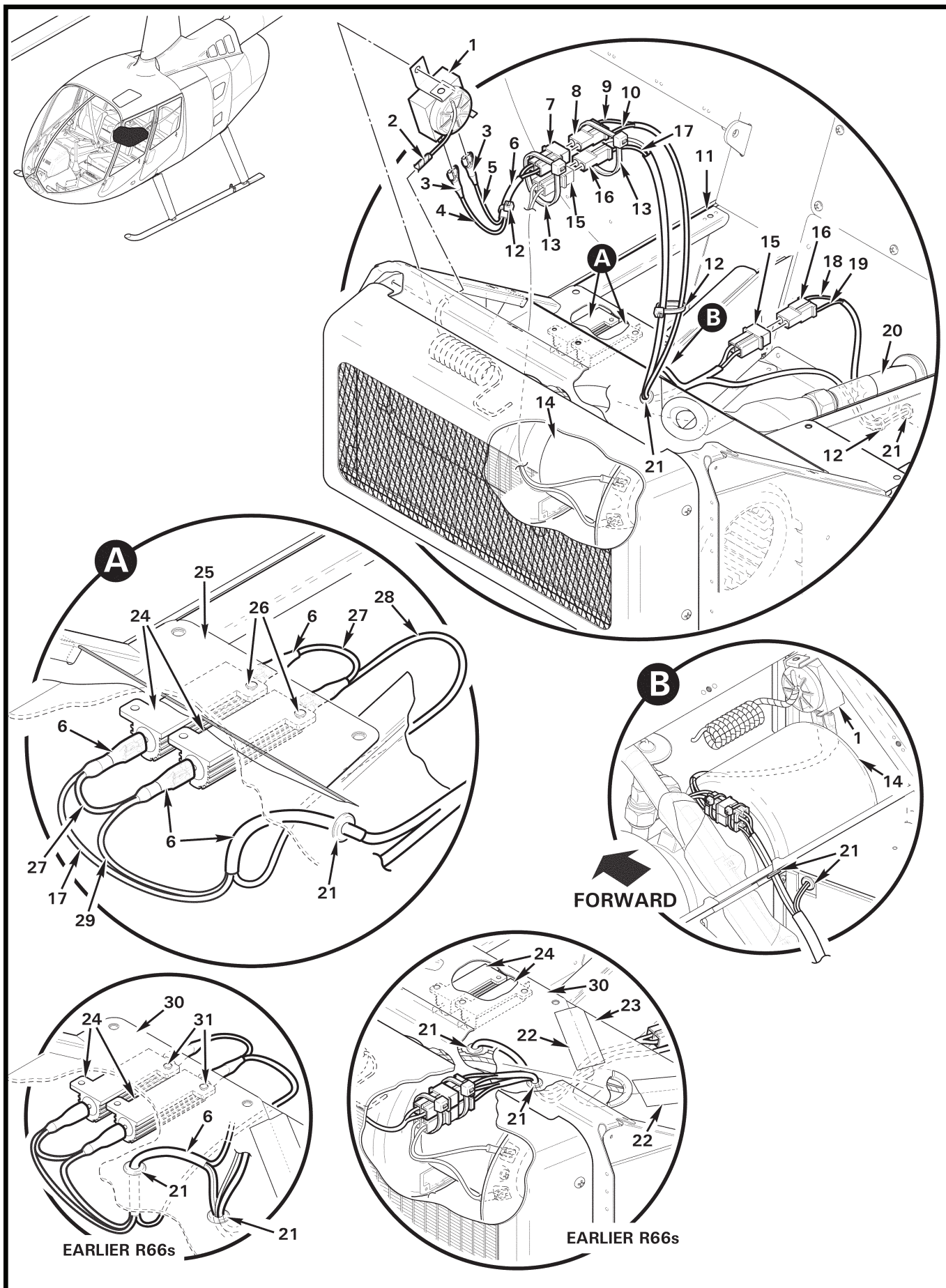


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
AIR CONDITIONING – EVAPORATOR ELECTRICAL COMPONENTS				
21-15-1	D799-7	Switch Assembly – Freeze (Incl items 3 thru 7, see Figure 21-11)	X	1
2	B161-2	Spirap	X	A/R
3	B158-4	Heat Shrink	X	A/R
4	-1804	Wire (Ref)		
5	-1809	Wire (Ref)		
6	B158-3	Heat Shrink	X	A/R
7	B263-32	Housing	X	1
	B263-1	Pin	X	2
8	B263-33	Housing	X	1
	B263-2	Socket	X	2
9	-2299	Wire (Ref)		
10	-2294	Wire (Ref)		
11	F377-1	Support Assembly – Middle Seat (Ref)		
12	MS3367-4-9	Ty-Rap	X	A/R
13	MS3367-5-9	Ty-Rap	X	A/R
14	G791-1	Blower Assembly (Ref, see Figure 21-11)		
15	B263-12	Housing (Ref)		
16	B263-4	Socket	X	1
17	-2295	Wire (Ref)		
18	-2365	Wire (Ref)		
19	-2364	Wire (Ref)		
20	G794-1	Hose Assembly (Ref, see Figure 21-17)		
21	MS35489-4	Grommet	X	3
22	A701-1	Tape (Ref; optional, earlier R66s)		
23	F380-7	Cover (Ref; earlier R66s)		
24	G799-2	Resistor Assembly (Incl items 3, 6, 16, 17, and 27 thru 29)	X	2
25	F378-4	Panel (Ref)		
26	MS20604ML4W2	Rivet	X	4
27	B274-14	Wire	X	2
28	-2365	Wire (Ref)		
29	-2364	Wire (Ref)		
30	F380-6	Panel (Ref; earlier R66s)		
31	B204-1	Rivet (earlier R66s)	X	2
NOTES				

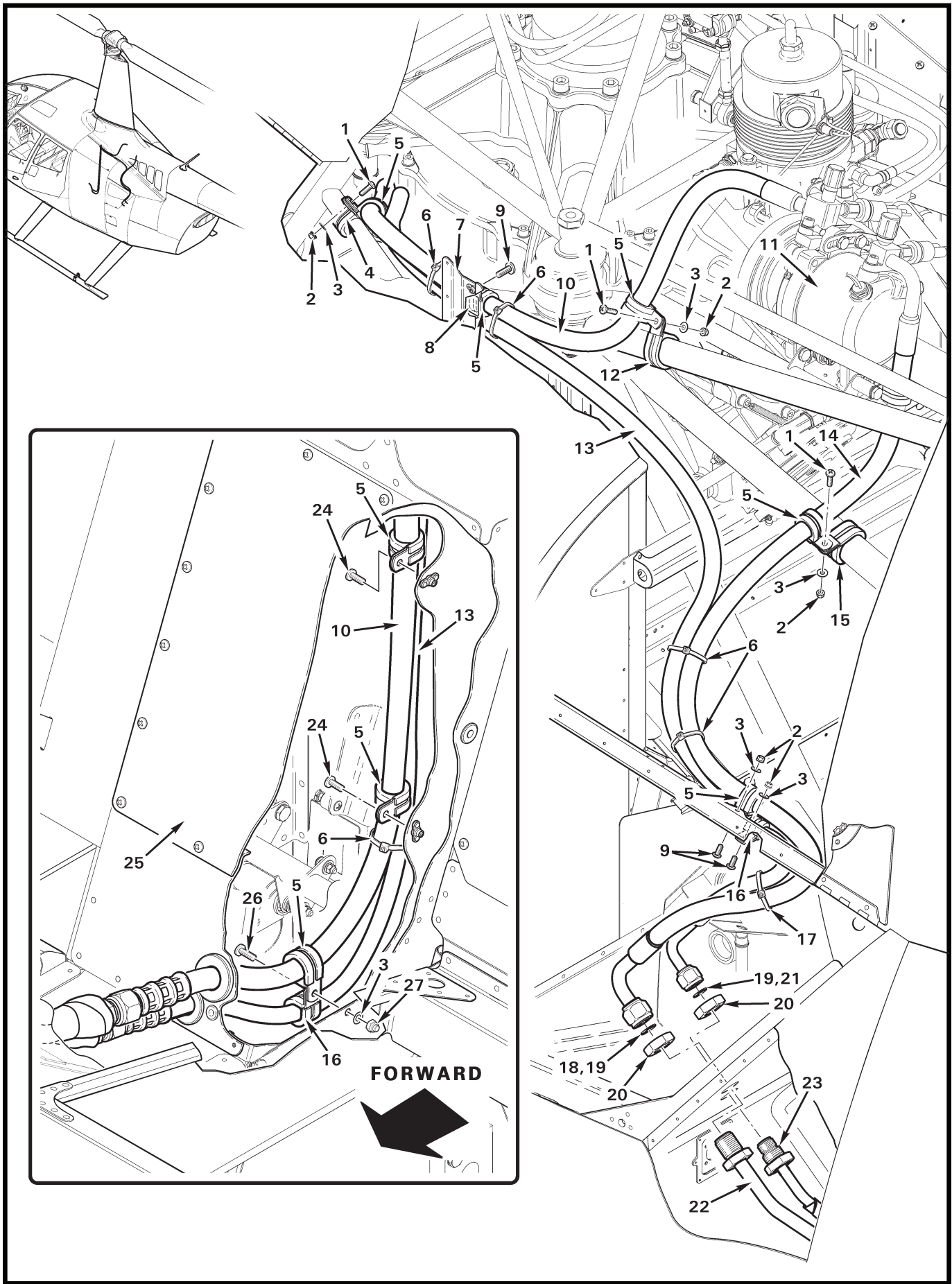


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		AIR CONDITIONING – HOSE ASSEMBLIES		
21-17-1	MS27039C0808	Screw	X	3
2	MS21042L08	Nut	X	5
3	NAS1149FN816P	Washer	X	6
4	MS21919WDG12	Clamp	X	1
5	MS21919WDG11	Clamp	X	8
6	MS3367-5-9	Ty-Rap	X	A/R
7	F231-3	Stiffener (Ref)		
8	A701-5	Tape (anti-chafe)	X	A/R
9	MS27039C0806	Screw	X	3
10	G794-1	Hose Assembly	X	1
11	G777-1	Compressor Assembly (Ref)		
12	MS21919WDG16	Clamp	X	1
13	G794-3	Hose Assembly	X	1
14	G794-2	Hose Assembly	X	1
15	MS21919WDG18	Clamp	X	1
16	MS21919WDG9	Clamp (around item 13)	X	2
17	MS3367-5-0	Ty-Rap	X	1
18	24608	O-Ring (install using item 19)	X	1
19	A257-20	Pag Oil	X	A/R
20	AN924-8D	Nut	X	2
21	24606	O-Ring (install using item 19)	X	1
22	G810-1	Line Assembly (Ref)		
23	G811-1	Line Assembly (Ref)		
24	MS27039C0807	Screw	X	2
25	F474-2	Cover Assembly (Ref; behind aft center back rest assembly)		
26	MS27039C0810	Screw	X	1
27	B340-4	Nut	X	1
NOTES				

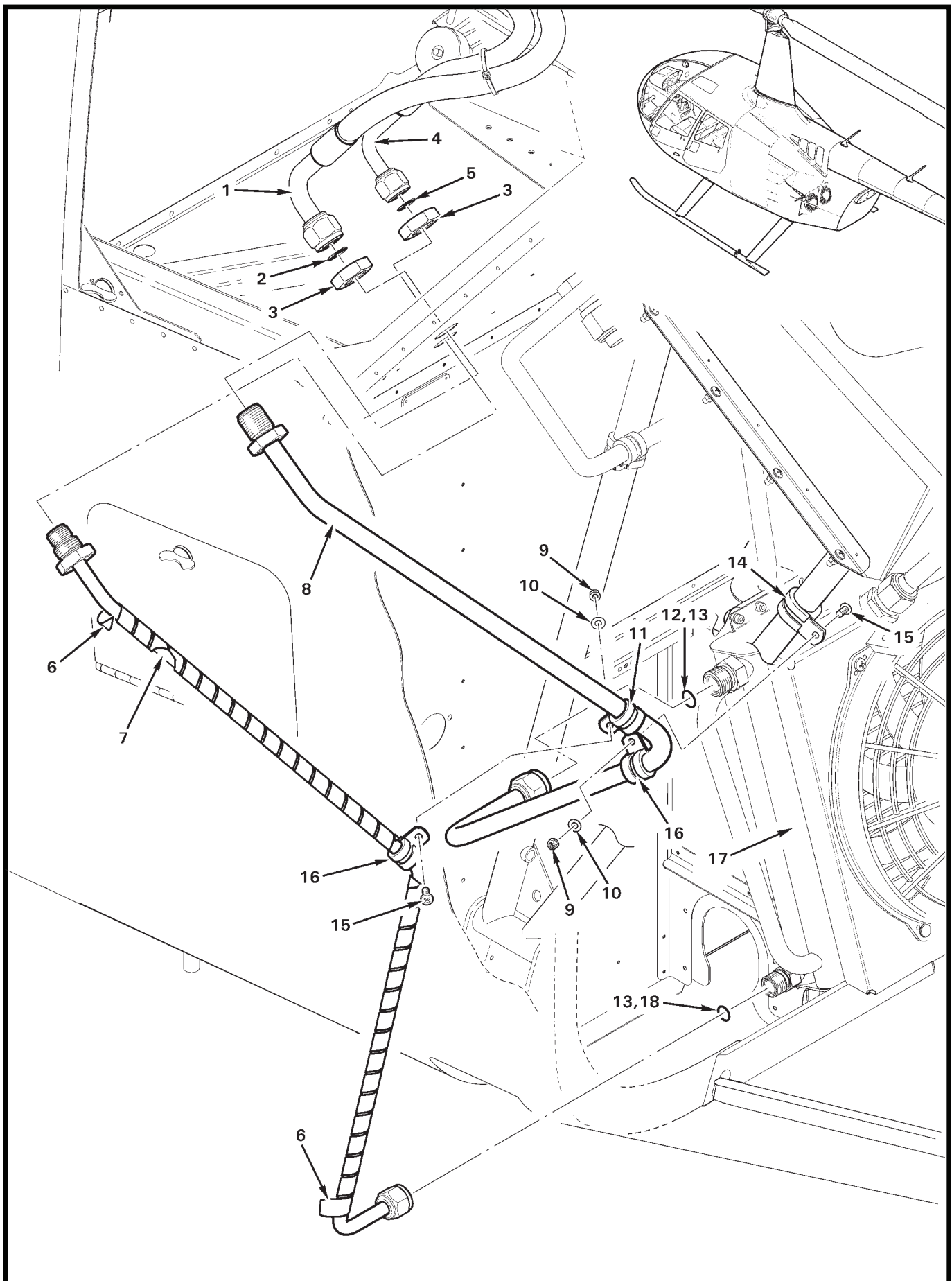


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		AIR CONDITIONING – LINE ASSEMBLIES		
21-19-1	G794-2	Hose Assembly (Ref)		
2	24608	O-Ring (Ref)		
3	AN924-8D	Nut	X	2
4	G794-3	Hose Assembly (Ref)		
5	24606	O-Ring (Ref)		
6	B161-108	Spirap (high temperature; Orange PTFE [Teflon])	X	A/R
7	G811-1	Line Assembly (high pressure)	X	1
8	G810-1	Line Assembly (low pressure)	X	1
9	MS21042L08	Nut	X	2
10	NAS1149FN816P	Washer	X	2
11	MS21919WCHG8	Clamp	X	1
12	24608	O-Ring (install using item 13)	X	1
13	A257-20	Pag Oil	X	A/R
14	MS21919WCHG12	Clamp (around frame tube)	X	1
15	MS27039C0806	Screw	X	2
16	MS21919WCHG6	Clamp	X	2
17	G783-1	Condenser Assembly (Ref, see Figure 21-7)		
18	24606	O-Ring (install using item 13)	X	1
NOTES				

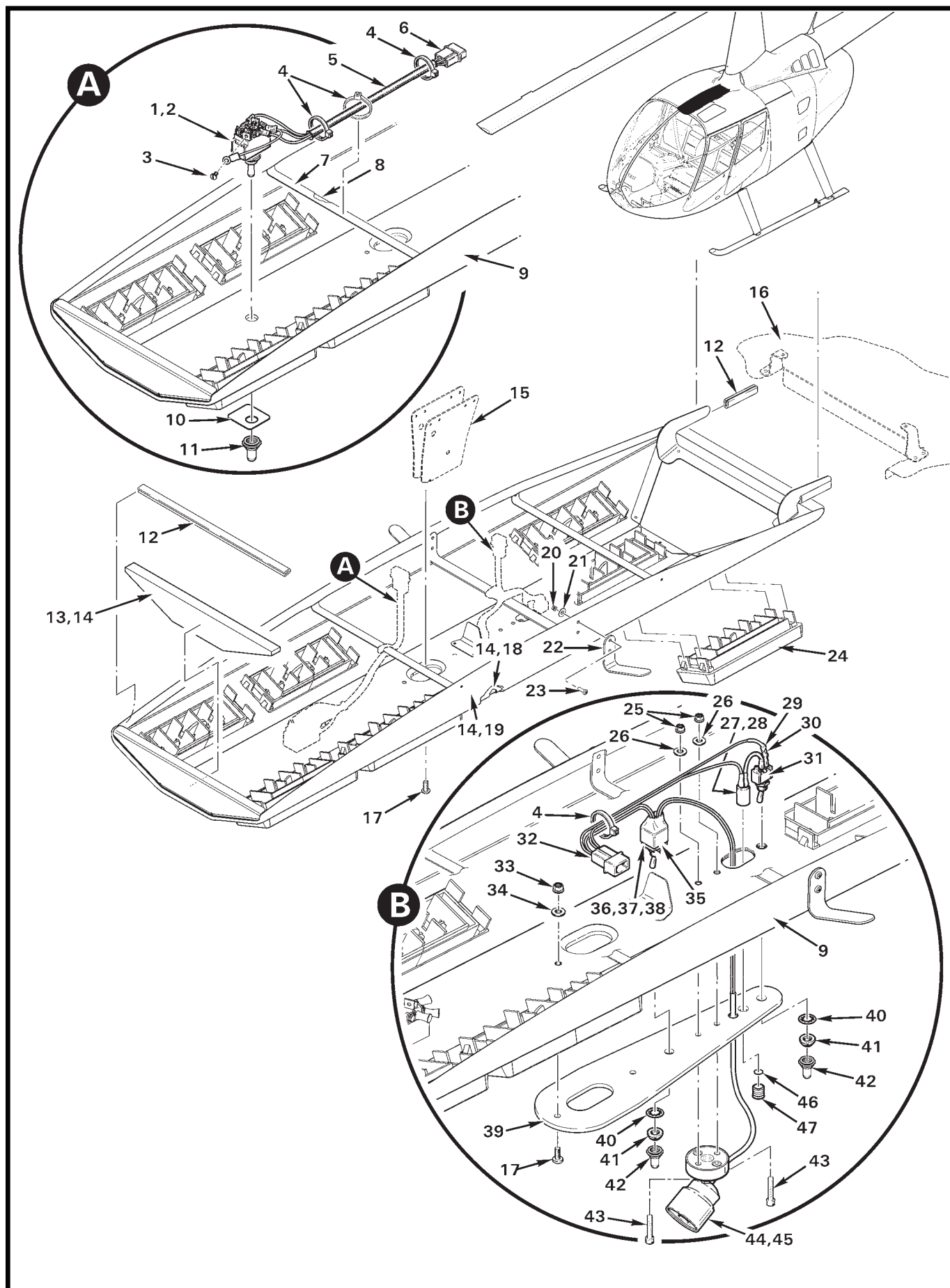


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		AIR CONDITIONING – DUCT ASSEMBLY INSTALLATION		
21-21-1	G799-3	Switch Assembly (Incl items 2, 4 [2], 5, 6, and 11)	X	1
2	MS25201-4	Switch (includes lockwasher, nut, and item 3)	X	1
3	—	Screw (Ref)		
4	MS3367-4-9	Ty-Rap	X	4
5	B266-4	Sleeving	X	A/R
6	B263-14	Housing	X	1
	B263-1	Pin	X	3
7	B158-6	Heat Shrink	X	A/R
8	G797-5	Strip (Ref)		
9	G796-1 *	Duct Assembly (Incl items 1, 4, 7, 8, 10, 12 thru 14, 17 thru 26, 33, 34, and 43)	X	1
10	D122-4	Plate	X	1
11	C1131/28	Boot	X	1
12	A226-15	Trim	X	A/R
13	D812-8	Insulation (install using item 14)	X	A/R
14	B270-8qt	Adhesive (or B270-14)	X	A/R
15	D122-8	Bracket Assembly (Ref, see Figure 21-25)		
16	G790-1	Duct Assembly (Ref)		
17	MS27039C0807	Screw	X	3
18	B298-102 *	Foam (install using item 14)	X	A/R
19	B298-31 *	Headliner	X	A/R
	B298-33 *	Headliner	X	A/R
	B298-34 *	Headliner	X	A/R
20	MS21042L04	Nut	X	2
21	NAS1149FN416P	Washer	X	2
22	A752-1	Angle	X	2
23	MS35206-215	Screw	X	4
24	10.124.63	Louver and Bezel Assembly	X	7
25	MS21042L06	Nut	X	2
26	NAS1149FN616P	Washer	X	2
27	CNX310000X4112	Connector	X	1
28	E1003	LED (not shown)	X	1
29	B158-2	Heat Shrink	X	A/R
30	B0207C1K210F5T	Resistor	X	1
NOTES * Please specify color (blue, grey, or tan).				
				Continues

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
AIR CONDITIONING – DUCT ASSEMBLY INSTALLATION (Cont'd)				
21-21-31	B300-1	Switch (Incl items 40 and 41)	X	1
	B158-2	Heat Shrink (around leads)	X	A/R
32	B263-12	Housing	X	1
	B263-1	Pin	X	2
33	MS21042L08	Nut	X	1
34	NAS1149FN816P	Washer	X	1
35	B158-12	Heat Shrink	X	A/R
36	B300-5	Switch Assembly (Incl items 40 and 41)	X	1
37	B0207C1K650F5T	Resistor (not shown)	X	1
38	B0207C3K400F5T	Resistor (not shown)	X	1
39	D122-6	Plate	X	1
40	B227-3	Lockwasher	X	1
41	B277-4	Dress Nut	X	1
42	N-5030S	Boot	X	1
43	NAS1352-06-10P	Screw	X	2
44	D606-1	Spotlight	X	1
45	D799-8	Light Assembly (Incl items 4, 27 thru 32, 35 thru 39, 42, 44, 46, and 47)	X	1
46	A215-008	O-Ring	X	1
47	CMC321-CTP	Lens	X	1
NOTES				

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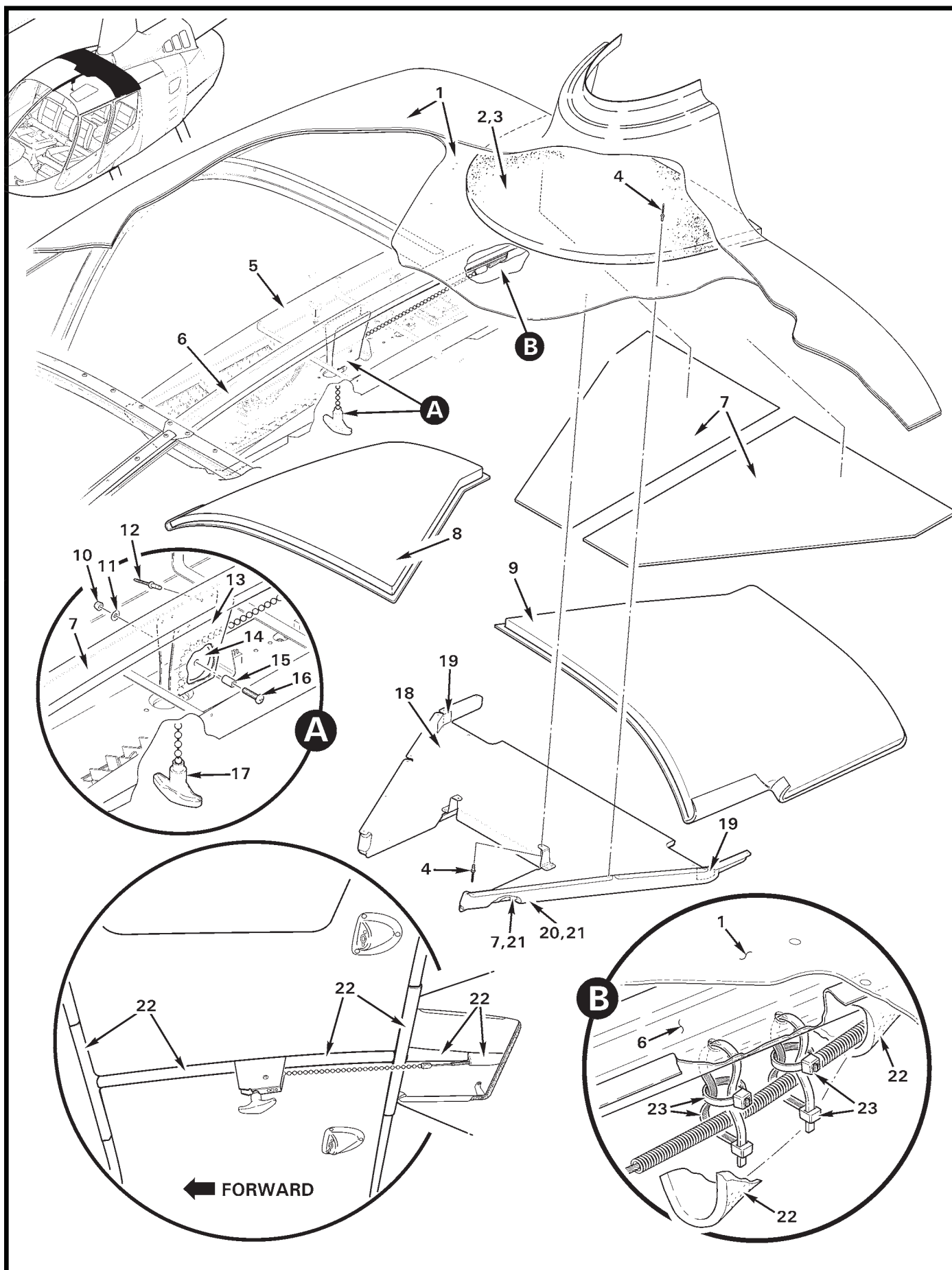


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		AIR CONDITIONING – FURNISHINGS		
21-25-1	F273-1	Roof (Ref)		
2	B298-104	Foam (install using item 3)	X	A/R
3	B270-8qt	Adhesive	X	A/R
4	NAS9301B-4-03	Rivet	X	16
5	G796-1	Duct Assembly (Ref)		
6	F087-3	Support (Ref)		
7	B298-102	Foam (install using item 21)	X	A/R
8	F003-18	Insulation (RH, install using item 3)	X	1
9	F003-17	Insulation (LH, install using item 3)	X	1
10	MS21042L08	Nut	X	1
11	NAS1149FN816P	Washer	X	1
12	NAS9301B-4-02	Rivet	X	8
13	D122-8	Bracket	X	1
14	BP4100	Pulley	X	1
15	A130-34	Spacer	X	1
16	MS27039C0812	Screw	X	1
17	B033-6	Knob Assembly (Ref)		
18	G790-1 *	Duct Assembly (Incl items 7, 19, 20, and 21)	X	1
19	A701-1	Foil Tape (covers corner relief)	X	A/R
20	B298-31 *	Headliner (blue)	X	A/R
	B298-33 *	Headliner (grey)	X	A/R
	B298-34 *	Headliner (tan)	X	A/R
21	B270-14	Adhesive	X	A/R
22	5541K11	Pipe Wrap (item 5 not shown for clarity)	X	A/R
23	MS3367-5-9	Ty-Rap	X	4
NOTES * Please specify color (blue, grey, or tan).				

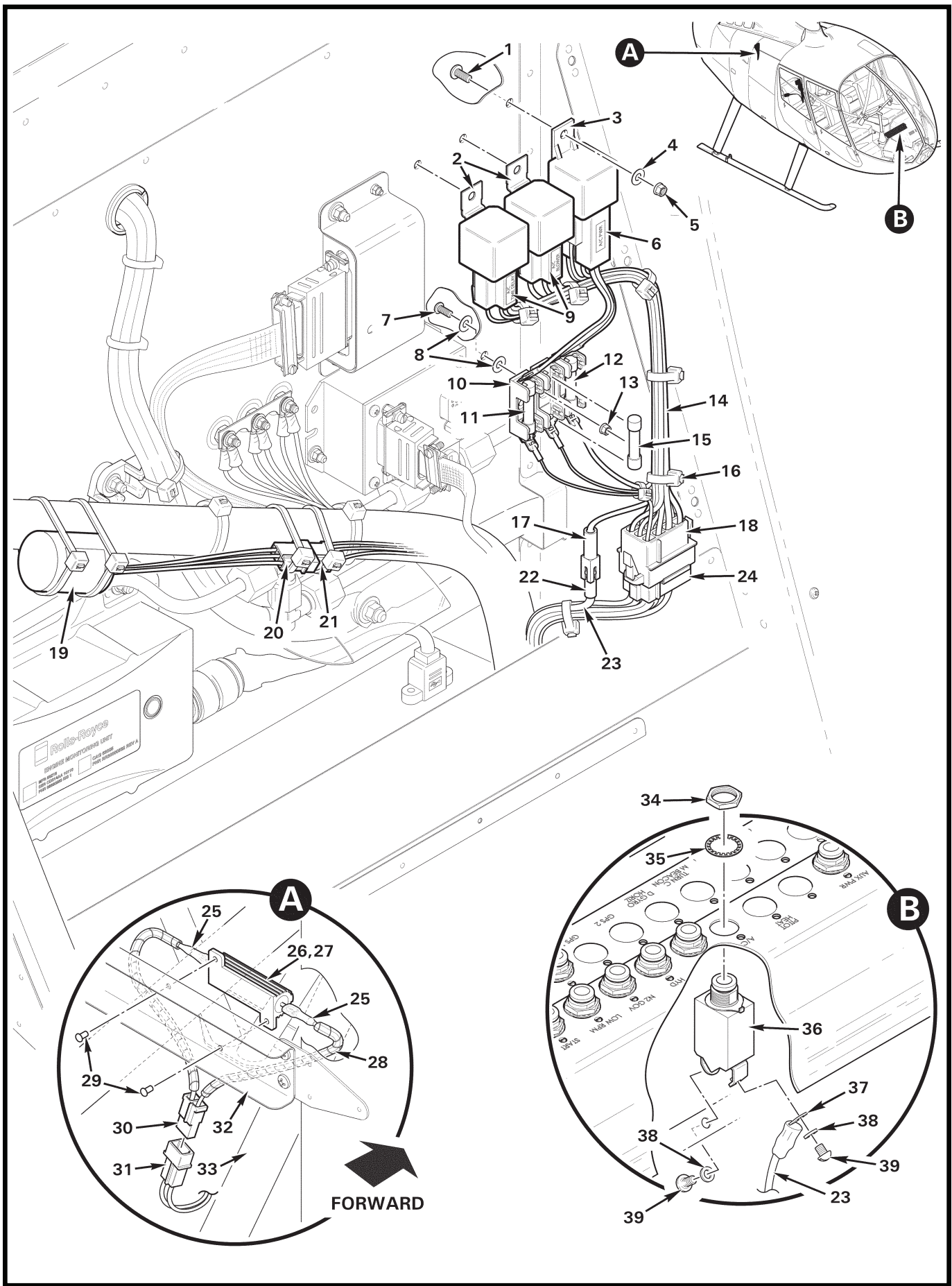


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		AIR CONDITIONING – ELECTRICAL COMPONENTS		
21-27-1	MS27039C0806	Screw	X	3
2	D260-4	Relay (40 amp, 24 volt)	X	2
3	D260-2	Relay (70 amp, 24 volt)	X	1
4	NAS1149FN816P	Washer	X	3
5	MS21042L08	Nut	X	3
6	D260-5	Connector	X	1
7	MS35206-227	Screw	X	1
8	NAS1149FN616P	Washer	X	2
9	D260-6	Connector	X	2
10	D262-3	Fuse Block	X	1
11	D275-205	Fuse (5 amp)	X	1
12	D275-215	Fuse (15 amp)	X	1
13	MS21042L06	Nut	X	1
14	G799-4	Relay Assembly (Incl items 2, 3, 6, 9 thru 12, & 15 thru 18)	X	1
15	D275-210	Fuse (10 amp)	X	1
16	MS3367-4-9	Ty-Rap	X	A/R
17	B263-62	Housing	X	1
	B263-55	Pin	X	1
18	B263-22	Housing	X	1
	B263-1	Pin	X	9
	B263-3	Pin	X	2
19	G655-3	Time Delay Assembly (includes item 20 and wires)	X	1
20	B263-14	Housing	X	1
	B263-1	Pin	X	3
21	B263-15	Housing (Ref)		
22	B263-61	Housing (Ref)		
23	-2297	Wire (Ref)		
24	B263-23	Housing (Ref)		
25	B158-2	Heat Shrink (2 layers each joint)	X	A/R
26	G799-1	Resistor Assembly (Incl items 25, 27, 28, and 30)	X	1
27	RH0506R000FE02	Resistor (6 Ω 50w)	X	1
28	B161-2	Spirap (length as required).	X	2
29	MS20604ML4W2	Rivet	X	2
30	B263-12	Housing	X	1
	B263-1	Pin	X	2
NOTES				
Continues				

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		AIR CONDITIONING – ELECTRICAL COMPONENTS (Cont'd)		
21-27-31	B263-13	Housing (Ref)		
32	G258-4	Strap (Ref)		
33	F020-1	Upper Frame (Ref)		
34	—	Nut	O	1
35	—	Lockwasher	O	1
36	B297-25	Circuit Breaker (25 amp; includes 34, 35, 38 and 39)	X	1
37	B260-11	Terminal (Ref)		
38	—	Lockwasher	O	2
39	—	Screw	O	2
NOTES				

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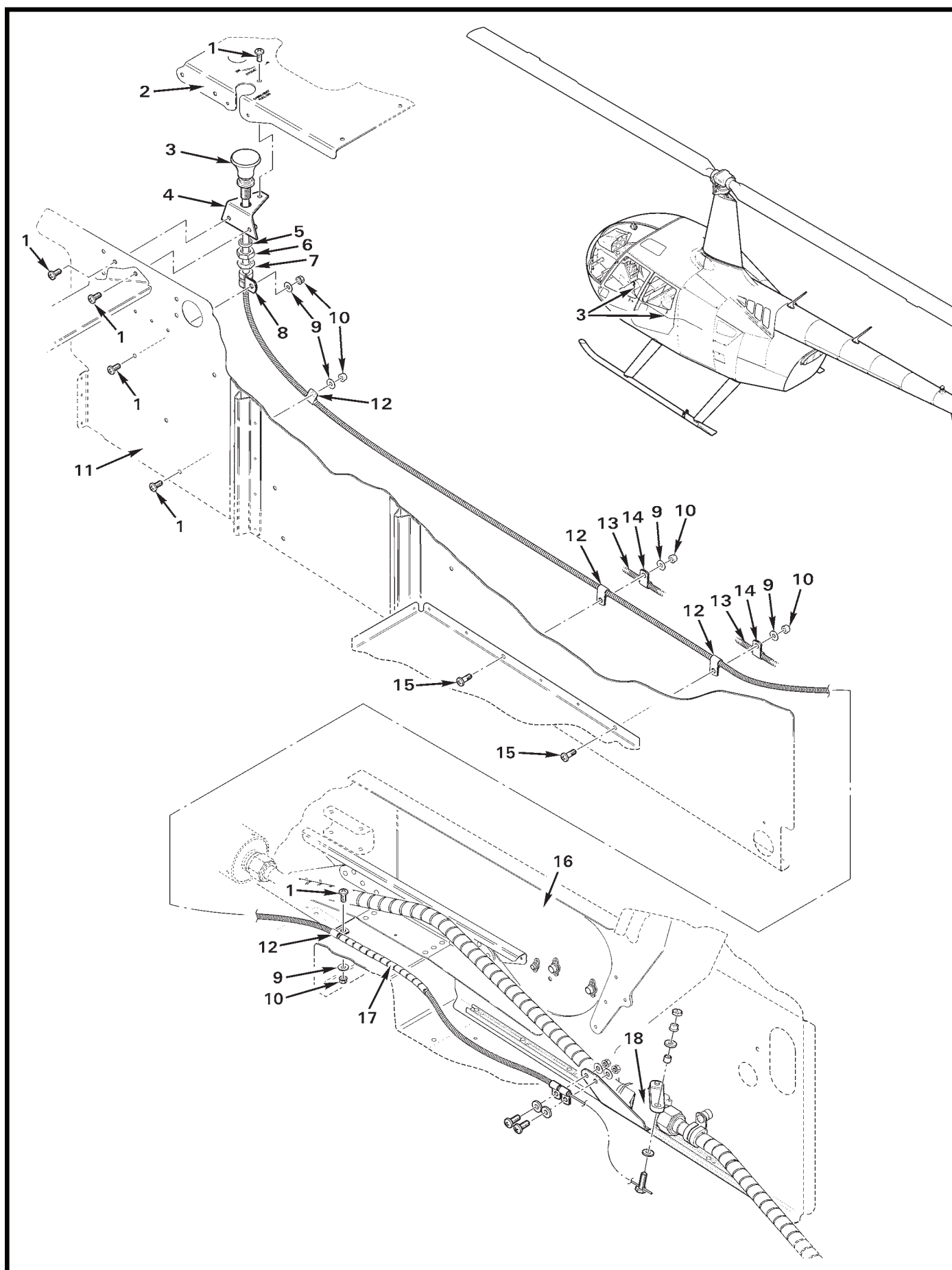


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		CABIN HEATER – CONTROL INSTALLATION		
21-31-1	MS27039C0806	Screw	X	6
2	F444-1	Cover – Cyclic (Ref)		
3	A522-14	Control – Heater (Incl item 6)	X	1
4	C518-1	Cover Assembly	X	1
5	A130-18	Spacer	X	1
6	—	Nut	O	1
7	B330-19	Palnut	X	1
8	MS21919WDG4	Clamp	X	1
9	NAS1149FN816P	Washer	X	5
10	MS21042L08	Nut	X	5
11	F293-1	Panel – Keel (forward, LH; Ref)		
12	AN742-3	Clamp	X	4
13	A522-11	Control (Ref; fuel cutoff)		
14	AN742-3	Clamp (Ref; used with item 13)		
15	MS27039C0808	Screw	X	2
16	F292-2	Panel – Keel (aft, RH; Ref)		
17	B161-4	Spirap	X	A/R
18	G019-1	Valve Assembly (Ref; see Figure 21-35)		
NOTES				

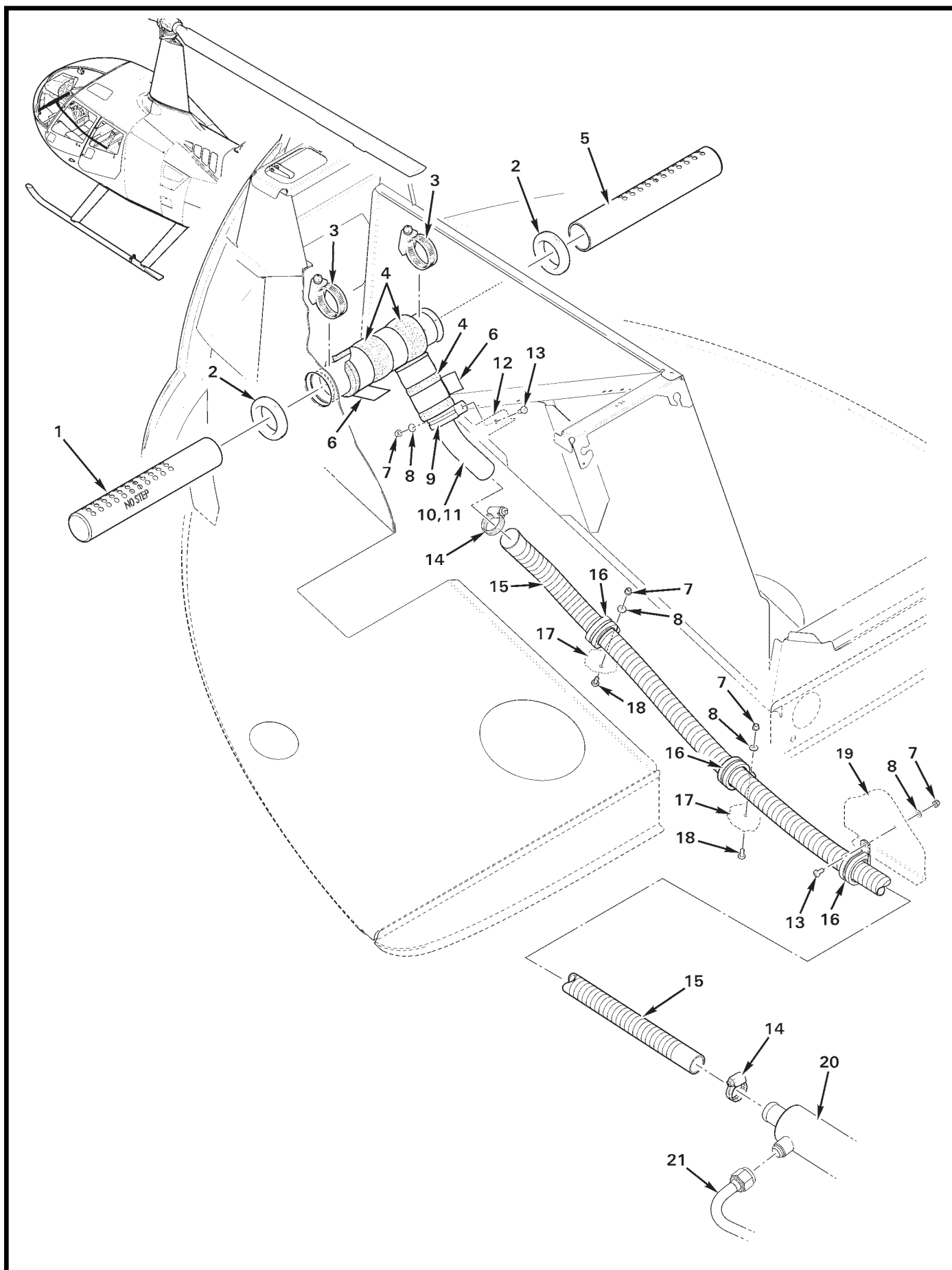


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		CABIN HEATER – FORWARD COMPONENTS INSTALLATION		
21-33-1	G400-7	Diffuser Assembly (LH)	X	1
2	B401-3	Grommet	X	2
3	B277-024	Clamp	X	2
4	G401-15	Insulation	X	A/R
5	G400-8	Diffuser Assembly (RH)	X	1
6	A701-1	Tape (aluminum foil)	X	A/R
7	MS21042L08	Nut	X	4
8	NAS1149FN816P	Washer	X	4
9	MS21919WCH16	Clamp	X	1
10	G400-3	Can Weldment	X	1
11	G400-1	Tee Assembly (Incl items 4, 6, and 10)	X	1
12	F365-9	Angle (Ref)		
13	MS27039C0806	Screw	X	2
14	B277-12	Clamp	X	2
15	A785-39	Hose	X	1
16	MS21919WCH18	Clamp	X	3
17	F272-1	Chin (Ref)		
18	AN526C832R6	Screw	X	2
19	F293-2	Panel – Keel (forward, RH; Ref)		
20	G400-2*	Muffler Assembly (Ref)		
21	G391-4*	Line Assembly (Ref)		
NOTES * See Figure 21-25.				

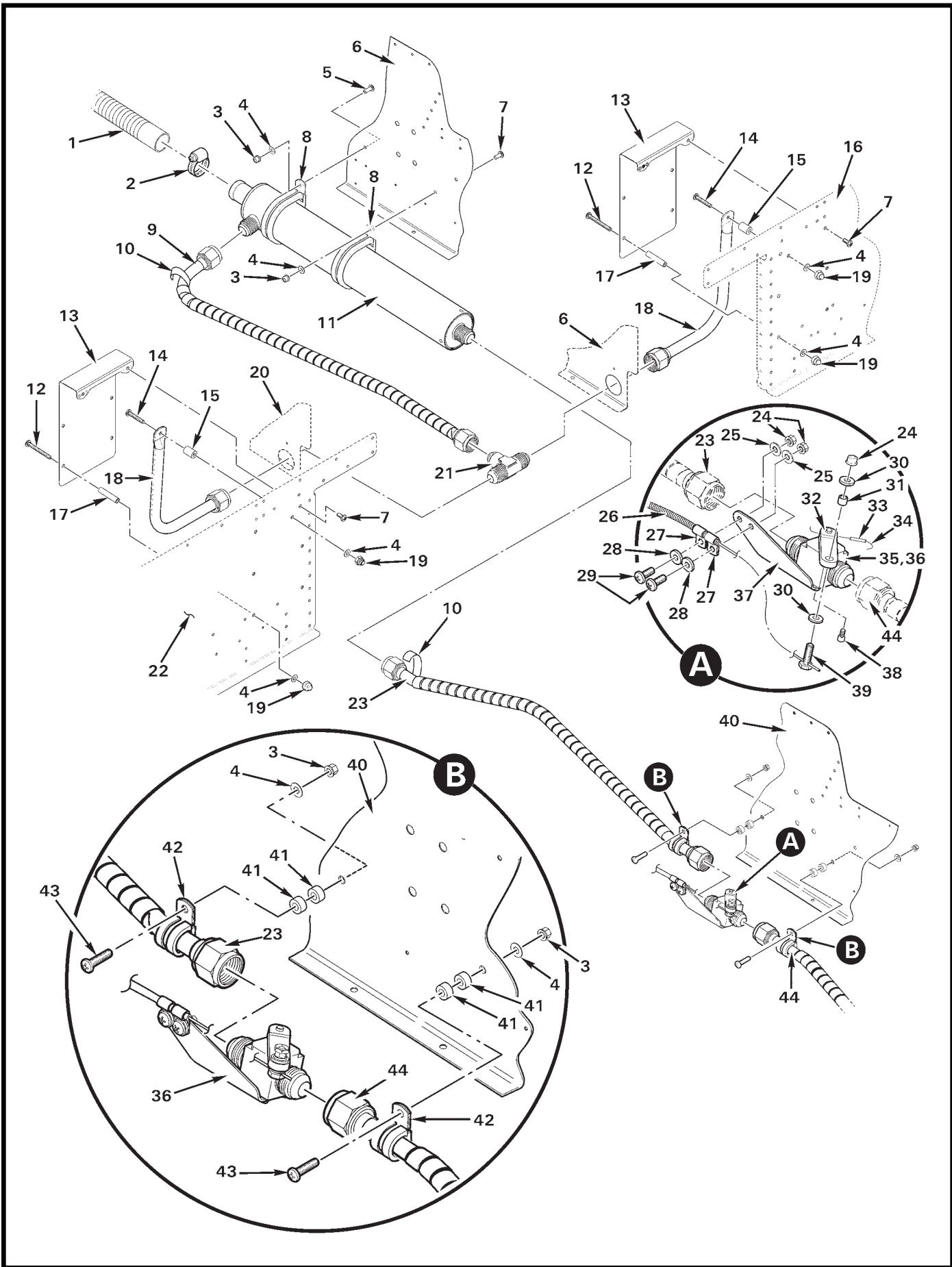


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		CABIN HEATER – MUFFLER & CONTROL VALVE INSTALLATION		
21-35-1	A785-39	Hose (Ref, see Figure 21-33)		
2	B277-12	Clamp	X	1
3	MS21042L08	Nut	X	4
4	NAS1149FN816P	Washer	X	14
5	MS27039C0807	Screw	X	1
6	F293-2	Panel – Keel (forward, RH; Ref)		
7	MS27039C0806	Screw	X	3
8	MS21919WCH18	Clamp	X	2
9	G391-4	Line Assembly	X	1
10	B161-108	Spirap (high temperature; Orange PTFE [Teflon])	X	A/R
11	G400-2	Muffler Assembly	X	1
12	MS27039C0824	Screw	X	8
13	G394-1	Guard	X	2
14	MS27039C0816	Screw	X	2
15	A130-38	Spacer	X	2
16	F296-2	Bulkhead – RH (Ref)		
17	C130-19	Spacer	X	8
18	G392-3	Diffuser Assembly	X	2
19	B340-4	Nut	X	10
20	F293-1	Panel – LH (Ref)		
21	AN824-8D	Tee	X	1
22	F296-1	Bulkhead – LH (Ref)		
23	G391-2	Line Assembly	X	1
24	MS21042L3	Nut	X	3
25	NAS1149F0332P	Washer	X	2
26	A522-14	Control – Heater (Ref, see Figure 21-31)		
27	AN742-3	Clamp	X	2
28	NAS1149F0363P	Washer	X	2
29	MS27039C1-08	Screw	X	2
30	NAS1149E0363R	Washer	X	2
31	A130-48	Spacer	X	1
32	F621-1	Arm	X	1
33	MS16562-15	Spring Pin	X	1
34	MS20995C32	0.032 in. dia Safety Wire	X	A/R
NOTES				
Continues				

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		CABIN HEATER – MUFFLER & CONTROL VALVE INSTALLATION (Cont'd)		
21-35-35	G019-1	Valve Assembly – Cabin Heat (incl items 24, 25, 27 thru 34, and 36 thru 39)	X	1
36	F620-1	Valve	X	1
37	F621-2	Bracket	X	1
38	NAS1352-04-4P	Screw	X	4
39	A462-4	Fitting	X	1
40	F292-2	Panel – Keel (aft, RH; Ref)		
41	A130-21	Spacer	X	4
42	MS21919WCH8	Clamp	X	2
43	MS27039C0812	Screw	X	2
44	G391-5	Line Assembly (Ref, see Figure 21-39)		
NOTES				

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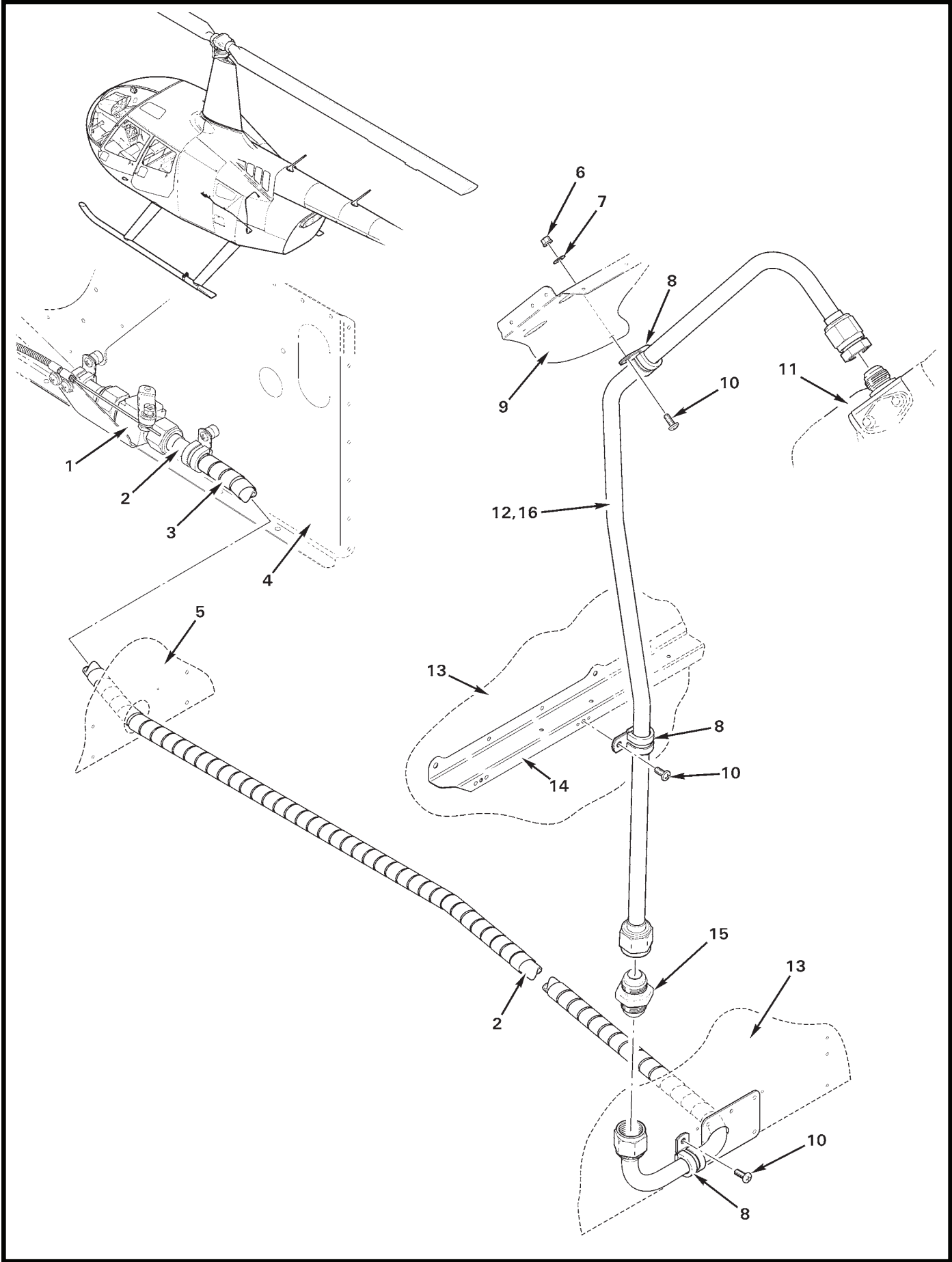


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		CABIN HEATER – AFT COMPONENTS INSTALLATION		
21-39-1	G019-1	Valve Assembly (Ref, see Figure 21-35)		
2	G391-5	Line Assembly	X	1
3	B161-108	Spirap (high temperature; Orange PTFE [Teflon])	X	A/R
4	F292-2	Panel – Keel (aft, RH; Ref)		
5	G259-1	Panel (Bulkhead; Ref)		
6	MS21042L08	Nut	X	1
7	NAS1149FN816P	Washer	X	1
8	MS21919WCH8	Clamp	X	3
9	F234-1	Firewall (Ref)		
10	MS27039C0806	Screw	X	3
11	F145-1	Engine (Ref)		
12	G391-1 *	Line Assembly	X	1
13	F233-1	Firewall (Ref)		
14	F384-2	Stiffener (Ref)		
15	G396-1	Union	X	1
16	A257-9	Anti-Seize	X	A/R
NOTES * Apply item 16 to upper nut threads only.				

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