

CHAPTER 53

FUSELAGE

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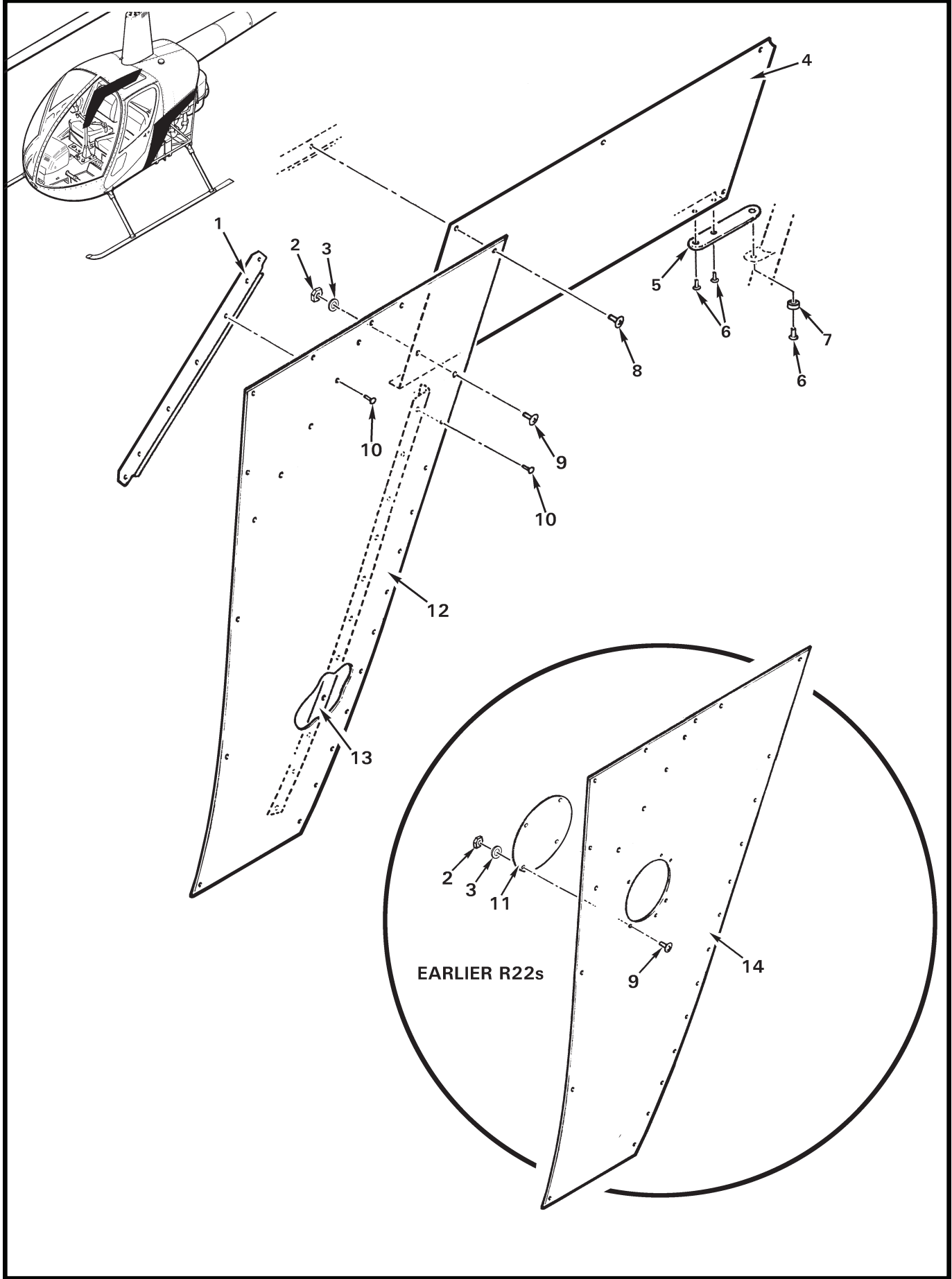


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		ENGINE SKIRTS		
53-1-1	A378-11	Stiffener (LH and RH)	X	1
2	MS21042L08	Nut	X	A/R
3	NAS1149FN816P	Washer	X	A/R
4	A378-3	Panel (LH)	X	1
	A378-4	Panel (RH)	X	1
5	A378-15	Clip Assembly (Incl items 6 [2] and 7)	X	1
6	MS20470AD4	Rivet	X	3
7	A130-14	Spacer	X	1
8	MS27039C0806*	Screw	X	A/R
9	MS27039C0806	Screw	X	1
10	MS20470AD3	Rivet	X	16
11	A676-1	Cover – Heater Inlet (LH only, cabin heater not installed)	X	1
12	A378-5	Skirt (LH, does not include items 1 and 13)	X	1
	A378-17**	Skirt (RH, does not include items 1 and 13)	X	1
	A378-14	Skirt (RH, O-320)	X	1
13	A378-7	Stiffener (LH)	X	1
	A378-8	Stiffener (RH)	X	1
14	A378-5	Skirt (LH, does not include items 1 and 13. No longer available, for earlier R22s with A643-2 blower assembly.)	O	1
NOTES * B526 screws may be used at this location with B527-08 nylon washers (see part interchangeability list, page viii). ** Ship S/N 2571 and subsequent.				

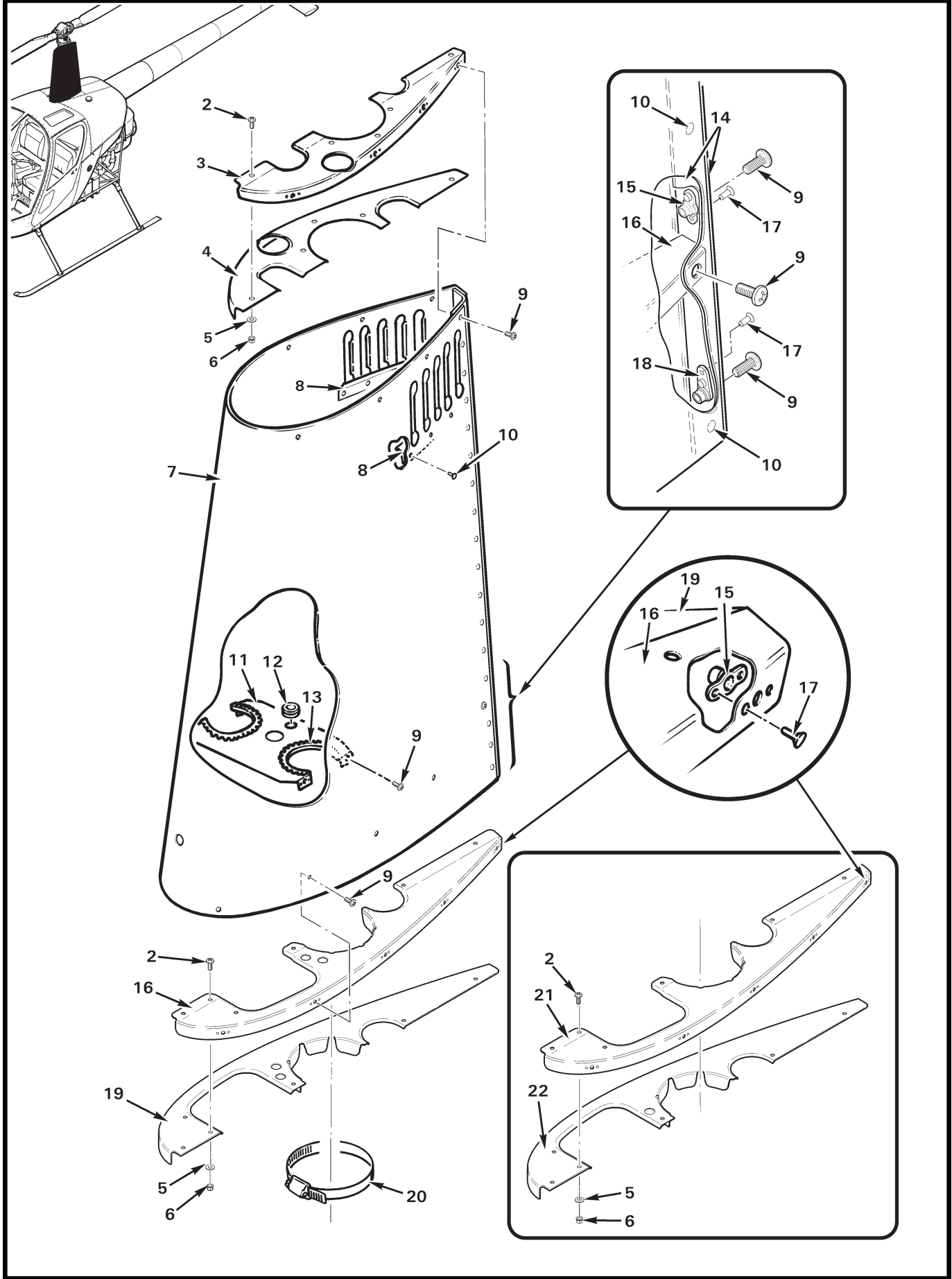


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		MAST FAIRING ASSEMBLY		
53-3-1	A261-1	Mast Fairing Assembly (Does not include item 20. Painted white; additional charges for color matching.)	X	1
2	MS27039C0806	Screw	X	7
3	A261-5	Rib (LH, overlaps RH)	X	1
4	A261-6	Rib (RH)	X	1
5	NAS1149FN816P	Washer	X	7
6	MS21042L08	Nut	X	7
7	A261-2	Skin	X	1
8	A665-3	Scupper	X	2
9	MS27039C0806*	Screw	X	30
10	MS20470AD3	Rivet	X	24
11	A665-1	Restraint Assembly (Incl items 12, 13, and 15 [4])	X	1
12	MS35489-6	Grommet (or AN931-4-7)	X	2
13	A225-1	Grommet (12-inch length)	X	A/R
14	A261-7	Angle	X	1
15	MS21069L08	Nutplate (used on all ribs and item 14)	X	25
16	A261-3	Rib (LH, overlaps RH)	X	1
17	MS20426AD3	Rivet	X	60
18	MS21071L08	Nutplate	X	1
19	A261-4	Rib (RH)	X	1
20	B277-052	Clamp	X	1
21	A261-3**	Rib (LH, Ref; revision F and prior no longer available.)		
22	A261-4**	Rib (RH, Ref; revision F and prior no longer available.)		
NOTES * B526 screws may be used at this location with B527-08 nylon washers (see part interchangeability list, page viii). ** When replacing, order items 16 and 19 as a matched set.				

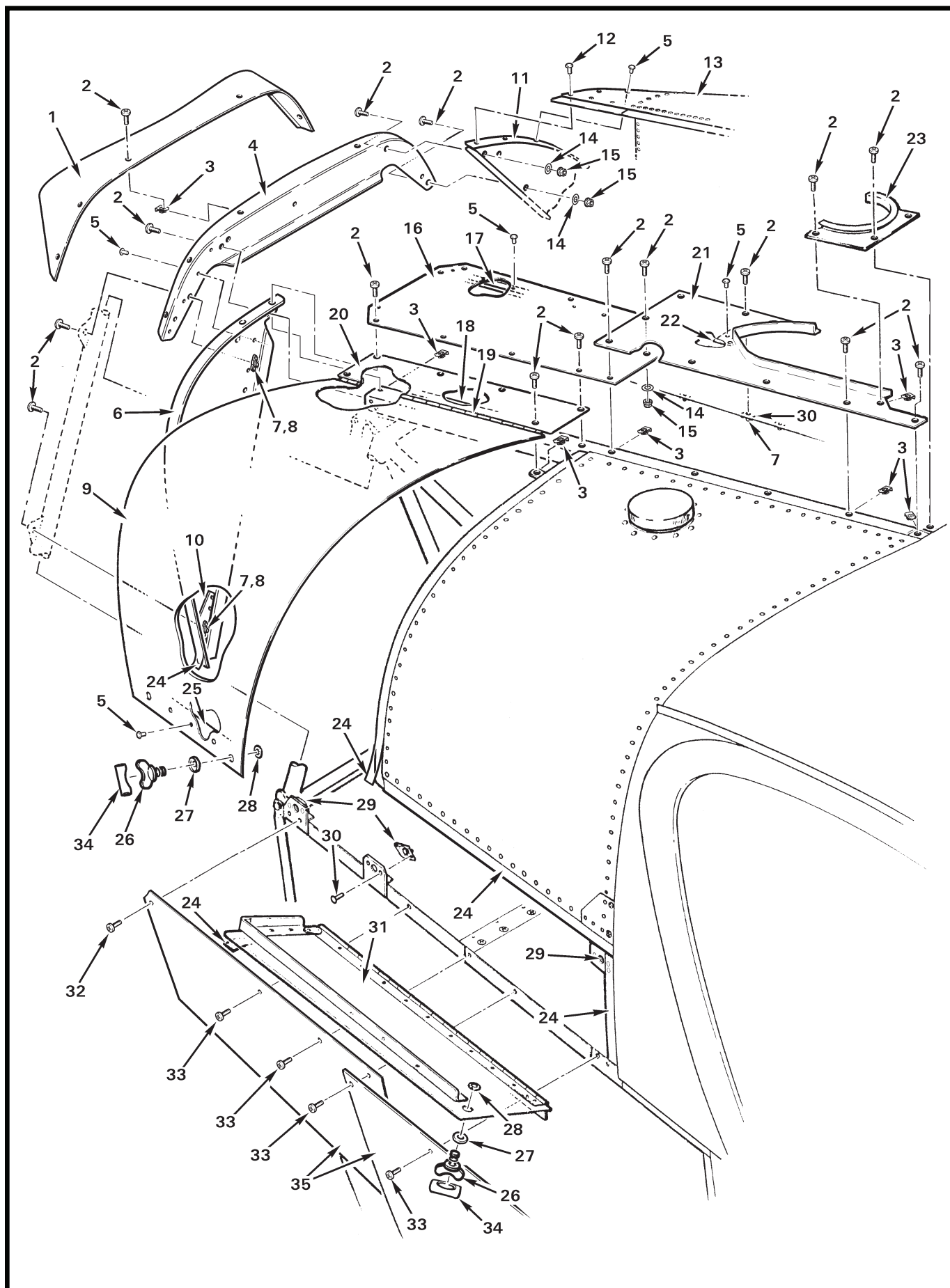


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		MAIN GEARBOX COMPARTMENT ACCESS DOORS AND COWLING		
53-5-1	A706-1	Fairing	X	1
2	MS27039C0806	Screw	X	31
3	B162-3	Clipnut	X	18
4	B428-1	Frame	X	1
5	MS20470AD3	Rivet	X	39
6	B429-5	Frame	X	1
7	MS21069L08	Nutplate	X	6
8	NAS1097AD3	Rivet	X	4
9	B430-3	Door (must be ordered with item 20)	X	1
10	B423-2	Doubler	X	1
11	A028-7	Frame (Ref, see Figure 28-15)		
12	MS20470AD4	Rivet	X	2
13	A028	Fuel Tank Assembly (Ref, see Figure 28-15)		
14	NAS1149FN816P	Washer	X	3
15	MS21042L08	Nut	X	3
16	B429-1	Skin (must be ordered with item 17)	X	1
17	B423-3	Stiffener (must be ordered with item 16)	X	1
18	B424-2	Stiffener	X	1
19	B424-1	Hinge	X	1
20	B430-4	Skin	X	1
21	B429-3	Skin (must be ordered with item 22)	X	1
22	B423-10	Doubler (must be ordered with item 21)	X	1
23	B423-1	Channel	X	1
24	A701-3	Tape – Polychor (108-foot roll)	X	A/R
25	B424-3	Doubler	X	1
26	85-12-140-16	Stud	X	3
27	85-46-101-39	Washer	X	3
28	85-34-201-20	Retaining Ring	X	3
29	85-35-295-15	Receptacle	X	3
30	MS20426AD3	Rivet	X	14
31	B153-6	Door Assembly	X	1
32	MS27039C0808	Screw	X	2
33	MS27039C0807	Screw	X	4
34	A901-1	Cover (clear plastic)	X	3
35	A378-2	Skirt Assembly – RH (Ref, see also Figure 53-1)		
NOTES				

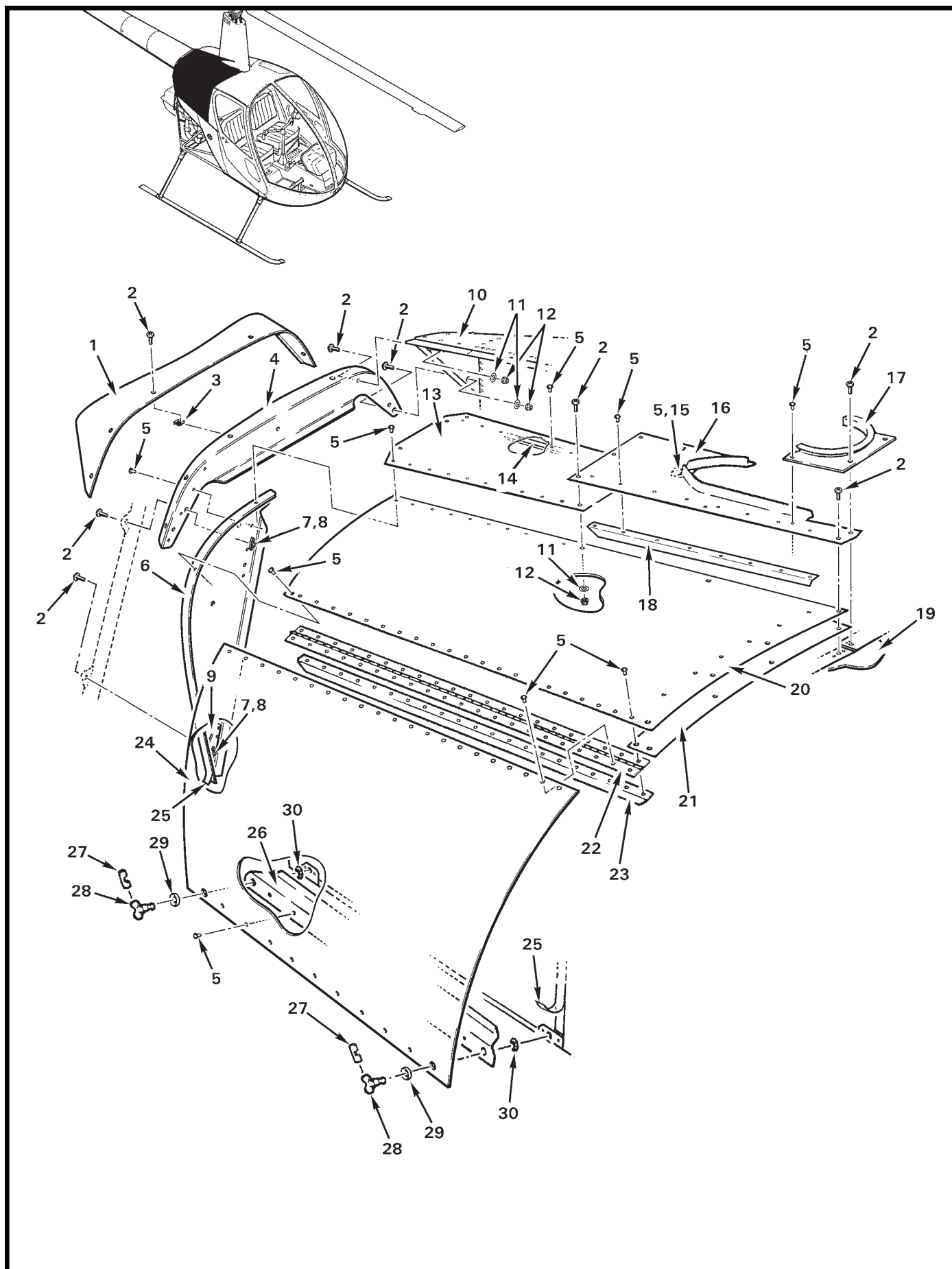


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		MAIN GEARBOX COMPARTMENT ACCESS DOOR AND COWLING*		
53-7-1	A706-1	Fairing	X	1
2	MS27039C0806**	Screw	X	24
3	B162-3	Clipnut	X	6
4	B428-1	Frame	X	1
5	MS20470AD3	Rivet	X	96
6	B429-5	Frame (RH shown, for LH see Figure 53-5)	X	1
7	MS21069L08	Nutplate	X	10
8	NAS1097AD3	Rivet	X	4
9	B423-2	Doubler	X	1
10	A028	Fuel Tank Assembly (Ref, see also Figure 28-15)		
11	NAS1149FN816P	Washer	X	5
12	MS21042L08	Nut	X	5
13	B429-2	Skin (must be ordered with item 14)	X	1
14	B423-3	Stiffener (must be ordered with item 13)	X	1
15	B423-10	Doubler (must be ordered with item 16)	X	1
16	B429-4	Skin (must be ordered with items 15 and 18)	X	1
17	B423-1	Channel Assembly	X	1
18	B423-4	Stiffener (must be ordered with item 16)	X	1
19	A015	Cabin Assembly (Ref)		
20	B430-1	Skin	X	1
21	B423-11	Doubler	X	1
22	B423-8	Hinge	X	1
23	B423-5	Stiffener	X	1
24	B430-2	Door	X	1
25	A701-3	Tape – UHMW Polyethylene (0.5 in. X 108 ft roll)	X	A/R
26	B423-6	Stiffener	X	1
27	A901-1	Cover – Stud (clear plastic)	X	2
28	85-12-140-16	Stud	X	2
29	85-46-101-39	Washer	X	2
30	85-34-201-20	Retaining Ring	X	2

NOTES * Without auxiliary fuel tank.

** B526 screws may be used in this location with B527-08 nylon washers (see part interchangeability list, page viii).

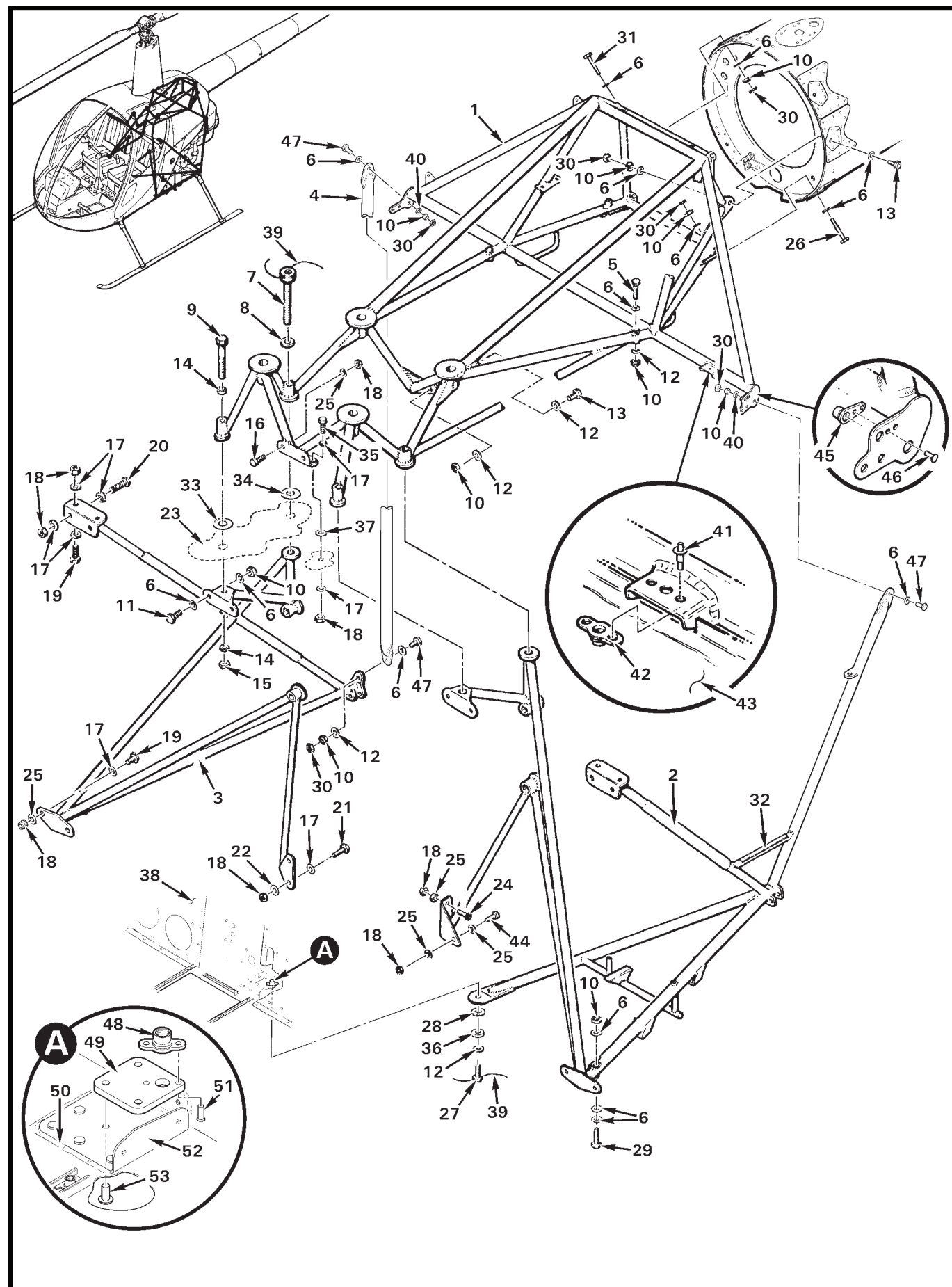


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		FRAME ASSEMBLIES		
53-9-1	A020-90	Frame Assembly – Upper (Revision AN and subsequent. Includes items 45 and 46. Service Letter SL-72 refers.)	X	1
	A020-2*	Frame Assembly – Upper (Revision AM and prior. Includes items 45 and 46.)	X	1
	A047-6	Frame Assembly – Upper (Includes items 45 and 46. Optional on Beta. Includes provision for tie-down installation. See also Figure 10-5.)	X	1
	A047-1	Frame Assembly – Upper (Includes items 45 and 46. Standard on Mariner, optional on Beta. Includes provision for tie-down installation. See also Figure 10-5.)	O	1
2	A020-1	Frame Assembly – Lower (LH, not shown; used on Standard and HP.)	X	1
	A046-1	Frame Assembly – Lower (LH, provision for aft battery; used on Alpha, Beta and Mariner.)	X	1
3	A020-84	Frame Assembly – Lower (RH, not shown; used on Standard and HP.)	X	1
	A046-2	Frame Assembly – Lower (RH; used on Alpha, Beta and Mariner)	X	1
4	A020-3	Strut Assembly (not shown; used on Standard and HP)	X	1
	A046-3	Strut Assembly (used on Alpha, Beta and Mariner)	X	1
5	NAS6604-18	Bolt	X	2
6	NAS1149F0432P	Washer	X	29
7	NAS1351-8H-40P	Screw	X	2
8	MS20002C8	Washer	X	2
9	NAS6606-34	Bolt	X	2
10	D210-4	Nut	X	18
11	NAS6604-4	Bolt	X	4
12	NAS1149F0463P	Washer	X	7
13	NAS6604-3	Bolt	X	3
14	NAS1149F0663P	Washer	X	6
15	D210-6	Nut	X	2
16	B238-1	Bolt	X	2
17	NAS1149F0332P	Washer	X	30
18	D210-3	Nut	X	26
19	NAS6603-3	Bolt	X	8
20	NAS6603-4	Bolt	X	4
21	NAS6603-19	Bolt	X	2
NOTES * When replacing, order new A650-3 fittings if old fitting has a solid shank. When replacing upper frame, tailcone forward bay (or tailcone) usually requires replacement.				
Continues				

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		FRAME ASSEMBLIES (Cont'd)		
53-9-22	NAS620-10L	Washer	X	2
23	—	Firewall – Horizontal (Ref)		
24	NAS1351-3-8P	Screw	X	2
25	NAS1149F0363P	Washer	X	10
26	NAS6604-24	Bolt	X	2
27	NAS6604H9	Bolt	X	1
28	AN970-4	Washer	X	1
29	NAS6604-16	Bolt	X	2
30	B330-13	Palnut	X	7
31	NAS6604-23	Bolt	X	2
32	A751-2	Strip – Safety Walk	X	1
33	A141-29	Washer (between upper frame and horizontal firewall; as required for shimming, [2] maximum)	X	A/R
34	A141-30	Washer (between upper frame and horizontal firewall; as required for shimming, [2] maximum)	X	A/R
35	NAS6603-2	Bolt (or NAS6603-3*)	X	2
36	A130-42	Spacer	X	1
37	A141-15	Washer – Shim ([3] maximum per bolt)	X	A/R
38	A015	Cabin Assembly (Ref)		
39	MS20995C32	0.032-inch dia Safety Wire	X	A/R
40	A141-11	Washer	X	2
41	MS20605R3W2	Rivet ([2] per nutplate)	X	4
42	MS21069L3	Nutplate (see Figures 28-1 and 28-15)	X	2
43	A234-3	Firewall – Horizontal (LH, Ref)		
44	NAS6603-2	Bolt	X	1
45	MS21071L3	Nutplate	X	1
46	MS20426AD3	Rivet	X	2
47	NAS6604-3	Bolt (installed with wet B270-1 sealant on bolt shank)	X	3
48	MS21069L4	Nutplate	X	1
49	A443-1	Doubler (install using item 50)	O	1
50	B270-1	Sealant	X	A/R
51	NAS1097AD3	Rivet	X	2
52	A387-1	Doubler (Ref)		
53	MS20470AD4	Rivet	X	3

NOTES * Select bolt length which, after correct torque is applied, exposes 2 to 4 threads beyond nut.

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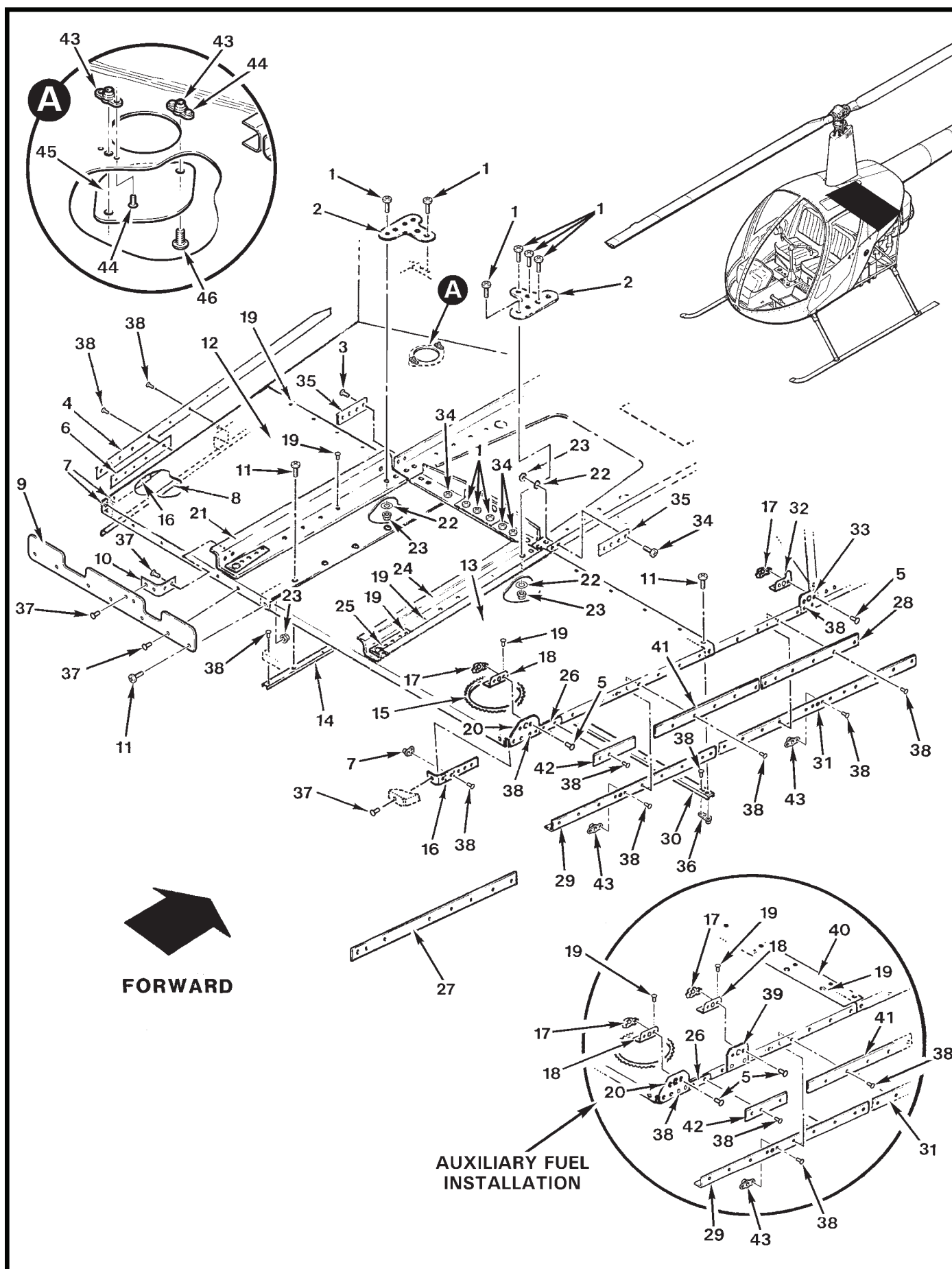


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
HORIZONTAL FIREWALL				
53-13-1	MS27039C0808	Screw	X	13
2	A397-2	Plate	X	2
3	MS20470AD4	Rivet	X	4
4	A419-1	Strip (LH)	X	1
5	MS20426AD4	Rivet	X	A/R
6	A420-1	Spacer	X	1
7	MS21086L08	Nutplate	X	4
8	A557-1	Angle Assembly	X	1
9	A395-1	Scupper	X	1
10	A402-1	Angle	X	1
11	MS27039C0806	Screw	X	10
12	A234-3	Firewall (LH)	X	1
13	A234-2	Firewall (RH, removable)	X	1
14	A738-6	Gang Channel	X	1
15	MS21266-1N	Grommet (12-inch length)	X	A/R
16	A422-1	Angle (LH and RH)	X	2
17	85-35-295-15	Receptacle	X	A/R
18	A379-6	Angle	X	A/R
19	MS20615-3M3	Rivet	X	A/R
20	A379-2	Receptacle Assembly (Incl items 5, 17, and 18)	X	1
21	A394-1	Stiffener	X	1
22	NAS1149FN816P	Washer	X	A/R
23	MS21042L08	Nut	X	A/R
24	A575-1	Stringer	X	1
25	A576-1	Doubler	X	2
26	A420-2	Spacer (shown installed)	X	1
27	A419-3	Strip (RH, for earlier R22s; superseded by items 41 and 42)	X	1
28	A419-2	Strip	X	1
29	A557-3	Angle Assembly (Incl items 38 [4] and 43 [2])	X	1
30	A738-5	Gang Channel	X	1
31	A557-2	Angle Assembly (Incl items 38 [8] and 43 [4])	X	1
32	A379-5	Angle	X	1
33	A379-1	Receptacle Assembly (Incl items 5, 17, and 32)	O	1
34	MS27039C0807	Screw	X	7
35	A397-1	Clip	X	2
NOTES				
Continues				

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		HORIZONTAL FIREWALL (Cont'd)		
53-13-36	MS21071L08	Nutplate	X	4
37	MS20470AD4	Rivet	X	11
38	MS20426AD3	Rivet	X	A/R
39	A379-8	Receptacle Assembly (Incl items 5, 17, and 18)	X	1
40	B142-1	Strip (earlier R22s)	X	1
41	B152-2	Strip	X	1
42	B152-1	Strip	X	1
43	MS21069L08	Nutplate (not shown)	X	8
44	MS20427M3	Rivet	X	4
45	A401-2	Cover	X	1
46	MS27039C0805	Screw	X	2
47	B270-1	Sealant (not shown)	X	A/R

48	KI-181	Firewall Access Hole Field Installation Kit (Incl items 43 thru 47)	X	1
NOTES				

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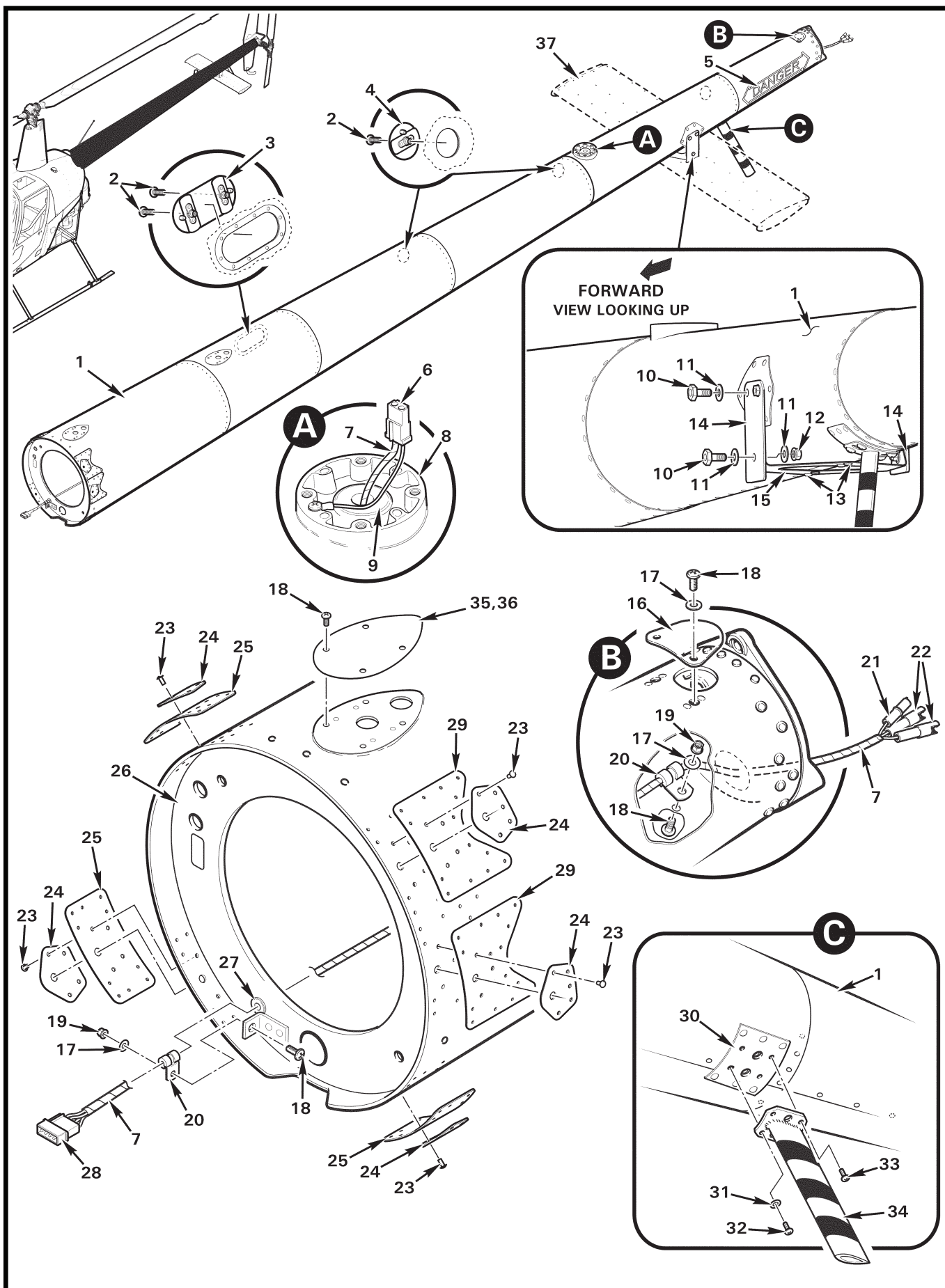


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
53-17-1	A023-22.CS*	TAILCONE ASSEMBLY – REVISION AR AND SUBSEQUENT Tailcone Assembly** (Includes items 3 thru 24; used on Standard, HP, except R22 Mariner. Painted white; additional charges for color matching.)	X	1
	A023-23.CS*	Tailcone Assembly** (Includes items 3 thru 24; used on Alpha and Beta. Painted white; additional charges for color matching.)	X	1
	2 MS27039C0807	Screw	X	5
	3 A231-10	Plug Assembly – Inspection (Incl item 2 [2])	X	1
	4 A231-1	Plug Assembly – Inspection (Incl item 2 [1])	X	3
	5 A654-3	Decal – “Danger” (tailcone)	X	2
	6 B263-13	Housing	X	1
	B263-2	Socket	X	2
	7 B161-2	Spirap	X	A/R
	8 B528-1	Mount – Strobe Light (Ref)		
	9 MS35489-15	Grommet	X	1
	10 NAS6603-2	Bolt	X	6
	11 NAS1149F0332P	Washer	X	8
	12 D210-3	Nut	X	2
	13 MS20470AD5	Rivet	X	4
	14 MT023-1	Support – Stabilizer Bracket (install when stabilizer is removed using existing hardware)	X	2
	15 B379-1	Bracket	O	1
	B379-3	Bracket (undrilled; used with item 38)	O	1
	16 A558-1	Cover – Inspection (transparent)	X	1
	17 NAS1149FN816P	Washer	X	4
	18 MS27039C0806	Screw	X	6
	19 MS21042L08	Nut	X	2
	20 MS21919WDG2	Clamp	X	3
	21 B263-11	Housing	X	1
	B263-2	Socket	X	1
	22 B263-10	Housing	X	2
	B263-1	Pin	X	2
	23 MS20470AD4	Rivet	X	83
	24 B288-3	Doubler	X	5
	25 B288-1	Doubler	X	3
	26 B070-1	Bulkhead – Forward (Ref)		
	27 B401-4	Grommet	X	6
NOTES * If ordering a new tailcone and upper frame for the same helicopter, RHC can drill tailcone and install doublers. ** Ship S/N 2571 and subsequent. Unless previously accomplished order Figure 53-21 item 41 when replacing tailcone.				

Continues

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		TAILCONE ASSEMBLY – REVISION AR AND SUBSEQUENT (Cont'd)		
53-17-28	B263-16	Housing	X	1
	B263-1	Pin	X	4
29	B288-2	Doubler	X	2
30	B805-1	Doubler	X	1
31	NAS1149F0332P	Washer (on tailcone seam)	X	2
32	MS27039C1-07	Screw (on tailcone seam)	X	2
33	MS27039C1-06	Screw	X	2
34	B312-1	Guard – Tail Rotor	X	1
35	B322-2	Cover (install using item 36 when antenna is not installed) . . .	X	A/R
36	B270-13	Sealant	X	A/R
37	B375-2	Horizontal Stabilizer (Ref, see Figure 53-33) * * *		
38	KI-285-3	R22-series Horizontal Stabilizer Retrofit Kit Instructions. (Kit replaces A044-1 horizontal stabilizer with B902-2 vertical stabilizers mount assembly, and installs B375-2 horizontal symmetrical stabilizer assembly. Kit is eligible for installation on all R22 models except R22 Mariner. Additionally, helicopter must be equipped with A958-1 bellcrank, originally installed on S/N 0256, 0301, 0350, 0351, and 0357 and subsequent. Helicopter serial numbers not in this range must upgrade bellcrank per R22 MM § 8.111.)	X	A/R
NOTES				

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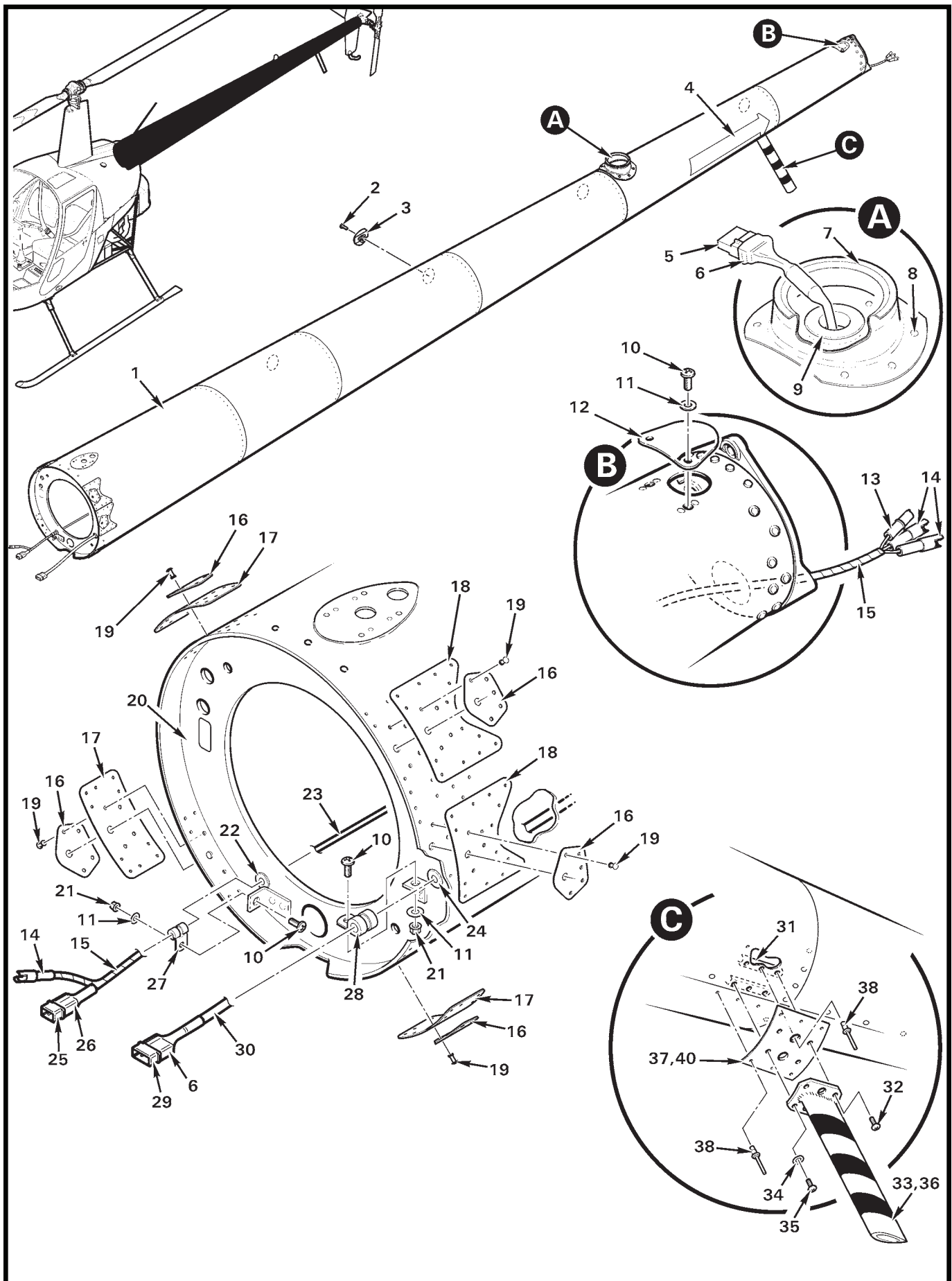


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
53-21-1	TAILCONE ASSEMBLY			
	A023-22.CS*	Tailcone Assembly (Includes items 3 thru 31, and 37; painted white. Used on Standard, HP, and Mariner.)	X	1
	A023-23.CS*	Tailcone Assembly (Includes items 3 thru 31, and 37; painted white. Used on Alpha and Beta.)	X	1
	A023-1	Tailcone Assembly (Ref, no longer available. Earlier Standard, HP, and Mariner.)		
	A023-20	Tailcone Assembly (Ref, no longer available. Earlier Alpha and Beta.)		
	2 MS27039C0807	Screw	X	4
	3 A231-1	Plug Assembly – Inspection	X	4
	4 A654-3	Decal – “Danger” (tailcone)	X	2
	5 B263-15	Housing	X	1
	B263-4	Socket	X	3
	6 B158-6	Heat Shrink (around wires)	X	A/R
	B158-8	Heat Shrink (around housing)	X	A/R
	7 C528-1	Mount – Strobe Light (flash-tube type)	X	1
	8 NAS9301B-4-02	Rivet	X	6
	9 MS35489-18	Grommet	X	1
	10 MS27039C0806	Screw	X	10
	11 NAS1149FN816P	Washer	X	4
	12 A558-1	Cover – Inspection (transparent)	X	1
	13 B263-11	Housing	X	1
	B263-2	Socket	X	1
	14 B263-10	Housing	X	3
	B263-1	Pin	X	3
	15 B161-2	Spirap	X	A/R
	16 B288-3	Doubler	X	5
	17 B288-1	Doubler	X	3
	18 B288-2	Doubler	X	2
	19 MS20470AD4	Rivet	X	85
	20 B070-1	Bulkhead – Forward (Ref)		
	21 MS21042L08	Nut	X	2
	22 MS35489-4	Grommet (or AN931-3-5)	X	7
	23 A023-22A	Wire Harness (Ref; tail rotor gearbox chip and tail light wires)		
	24 MS35489-6	Grommet (or AN931-4-7)	X	4

NOTES * Revision "AM" and prior.

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FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
TAILCONE ASSEMBLY (Cont'd)				
53-21-25	B263-12	Housing	X	1
	B263-1	Pin	X	2
26	B158-6	Heat Shrink (around housing and wire harness)	X	A/R
27	MS21919WDG2	Clamp	X	2
28	MS21919WDG4	Clamp	X	2
29	B263-14	Housing	X	1
	B263-3	Pin	X	3
30	B274-450	Wire	X	1
31	A738-27	Gang Channel	X	2
32	MS27039C1-06	Screw	X	2
33	B312-1 *	Guard – Tail Rotor	X	1
34	NAS1149F0332P	Washer (on tailcone seam)	X	2
35	MS27039C1-07	Screw (on tailcone seam)	X	2
* * *				
36	KI-64A	Tail Rotor Guard Installation Kit (Ship S/N 0002–1889 without previously-installed guard; includes items 31 thru 35, and 37 thru 39.)	X	1
37	B805-1	Doubler	X	1
38	NAS9301B-4-02	Rivet	X	8
39	A654-80	Decal – “Danger” (For stabilizer; not shown. See Figure 11-1.)	X	2
* * *				
40	KI-73	Tail Rotor Guard Doubler Installation Kit (Ship S/Ns 0002 thru 2073 with B312-1 guard installed but without B805-1 doubler installed. Includes items 34, 35, 37, and 38.)	X	1
* * *				
41	KI-94	Damper Conversion Kit (Not shown; ship S/N 2570 and prior. Allows installation of B224-1 tail rotor drive shaft into A023-22 or -23 tailcone. See Figure 65-5.)	X	1

NOTES * Ship S/N 0002 thru 1889, order item 36.

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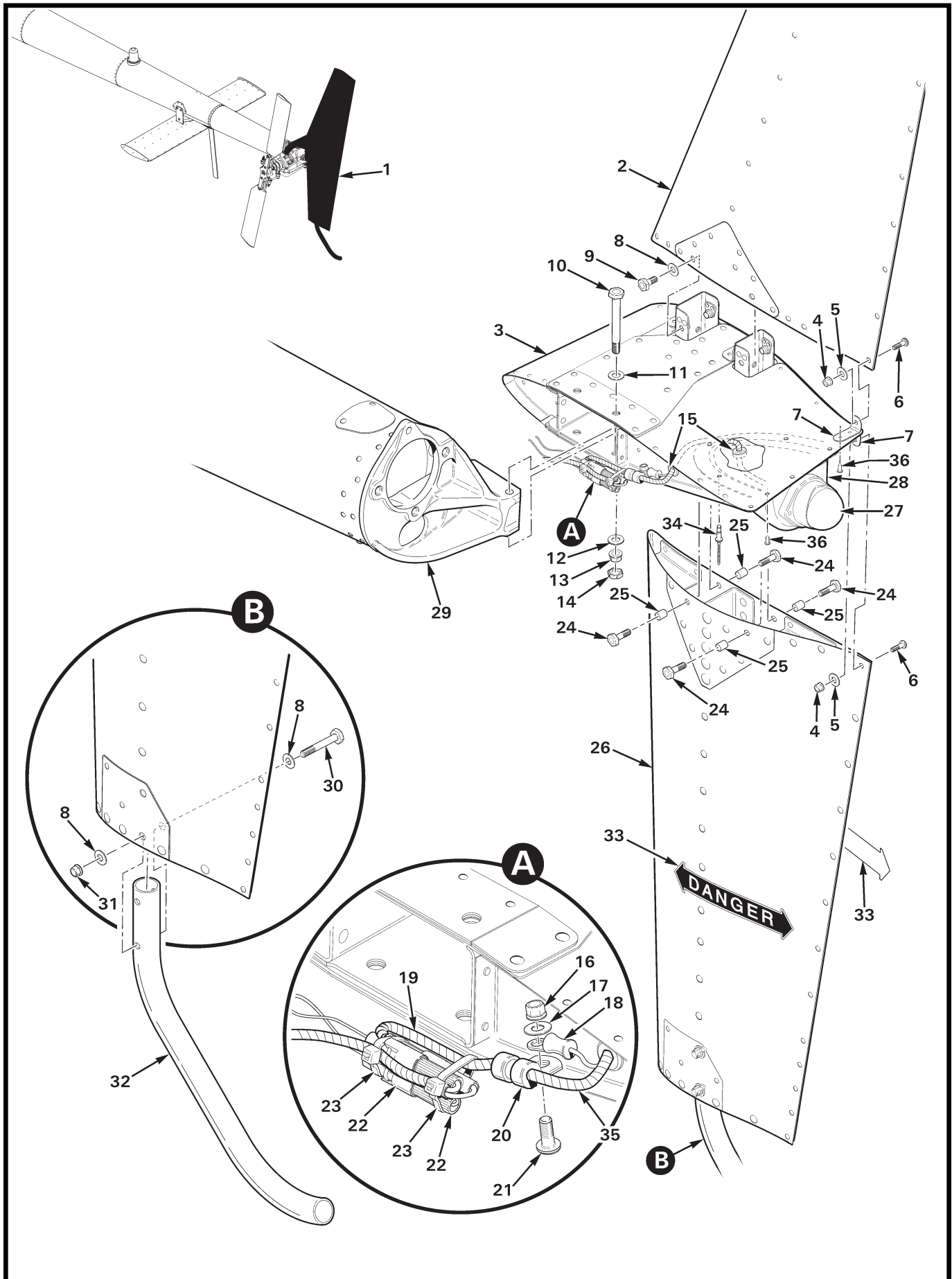


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		A004-5 EMPENNAGE ASSEMBLY		
53-25-1	A004-5 *	Empennage Assembly (does not include items 27 and 33) . . .	X	1
2	A042-1 **	Stabilizer – Upper Vertical	X	1
3	B902-2 **	Mount Assembly – Vertical Stabilizer (Includes items 15 thru 17, 19 thru 21, 28, and A554-4 clip not shown. Customer Service only.)	X	1
	B902-1 *	Mount Assembly – Vertical Stabilizer (Ref, includes items 7, 15 thru 17, 19 thru 21, and 28. Not available, order B902-2 mount assembly.)		
4	MS21042L06	Nut	X	2
5	NAS1149FN616P	Washer	X	2
6	MS35206-228	Screw	X	2
7	A554-3	Clip	X	2
	A554-4	Clip (blank; drill-to-fit after mount replacement)	X	2
8	NAS1149F0332P	Washer	X	8
9	NAS6603-2	Bolt	X	4
10	NAS6604-28	Bolt	X	2
11	NAS1149F0432P	Washer	X	2
12	NAS1149F0463P	Washer	X	2
13	D210-4	Nut	X	2
14	B330-13	Palnut	X	2
15	MS35489-4	Grommet	X	2
16	MS21042L08	Nut	X	1
17	NAS1149FN816P	Washer	X	1
18	B260-3	Terminal (install between clamp and washer)	X	1
19	D049-5	Harness Assembly (Incl items 18 and 35)	X	1
20	MS21919WDG2	Clamp (remove finish on item 3 at terminal for electrical ground)	X	1
21	MS27039C0806	Screw	X	1
22	B263-10	Housing	X	1
	B263-1	Pin	X	1
23	MS3367-4-9	Ty-Rap	X	2
24	NAS6603-5	Bolt	X	4
25	A130-51	Spacer	X	4
26	A043-1 **	Stabilizer – Lower Vertical (does not include items 32 and 33)	X	1
27	01-0771554-11 ***	Light Assembly – Tail Light (Ref, see Figure 33-7)		
28	A529-1	Mount Assembly	X	1
29	A148	Bulkhead Assembly (Ref)		
NOTES * May only be installed if B379-1 or -3 bracket is installed on tailcone, see Figure 53-17. ** Painted white; additional charges for color matching. *** Whelen part number.				
				Continues

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		A004-5 EMPENNAGE ASSEMBLY (Cont'd)		
53-25-30	AN3-12A	Bolt	X	2
31	D210-3	Nut	X	2
32	A470-1 *	Skid – Vertical Stabilizer	X	1
33	A654-80	Decal – “Danger”	X	2
34	NAS9301B-4	Rivet (optional for item 36 [3 places])	X	3
35	B161-2	Spirap	X	A/R
36	MS20470AD3	Rivet	X	7
NOTES * Primered only; additional charges for color matching.				

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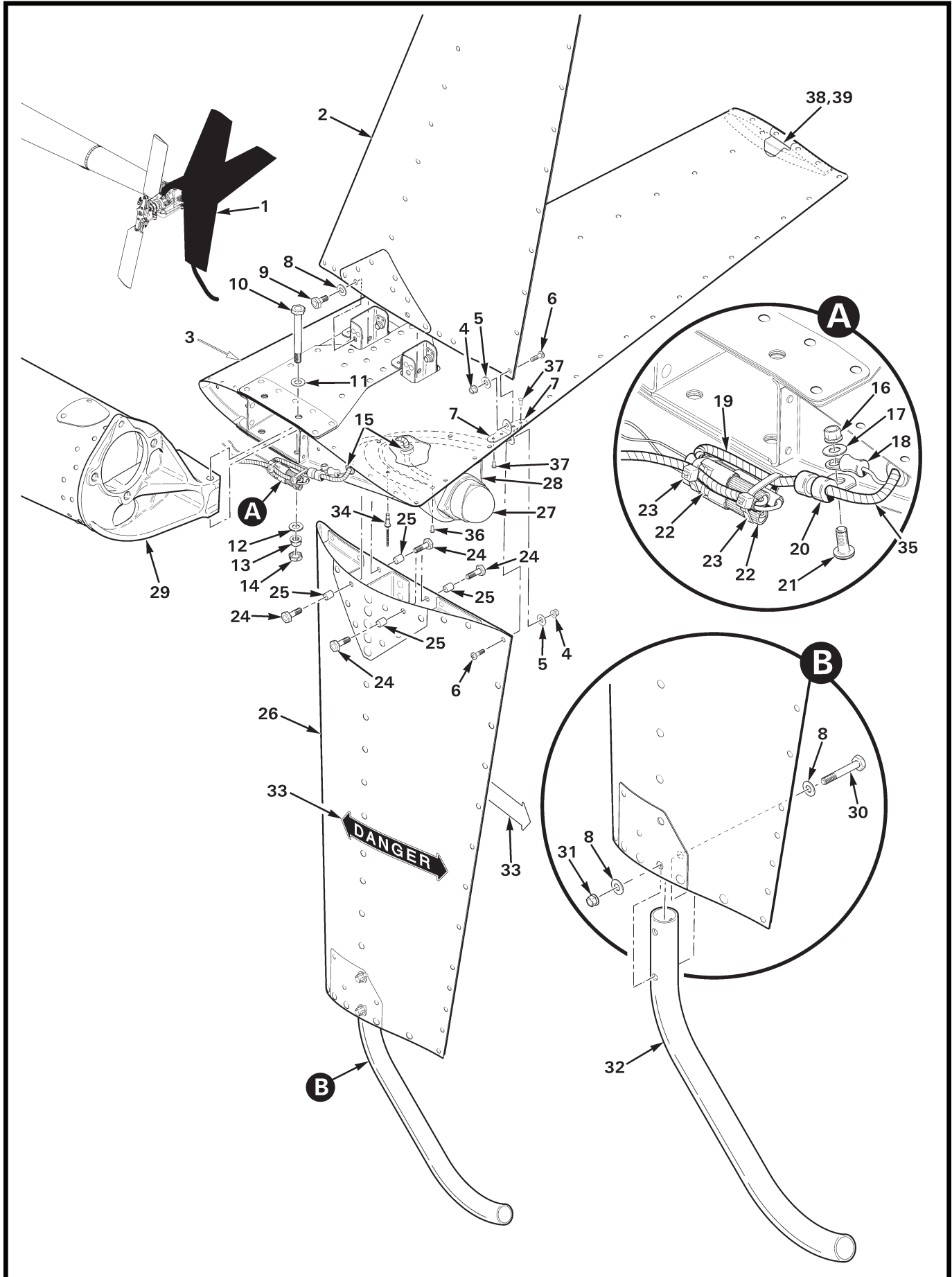


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		A004-2 EMPENNAGE ASSEMBLY		
53-29-1	A004-2*	Empennage Assembly (Includes items 2 thru 9, 15 thru 22, 24 thru 28, and 32; also order item 33.)	X	1
2	A042-1**	Stabilizer – Upper Vertical	X	1
3	A044-1**	Stabilizer – Horizontal (Includes items 15 thru 19 thru 21, 27, and 28; as required, order item 7 and MT068-1 Horizontal Stabilizer Rigging Tool.)	X	1
4	D210-3	Nut	X	2
5	NAS1149FN616P	Washer	X	2
6	MS35206-228	Screw	X	2
7	A554-1	Clip	X	2
8	NAS1149F0332P	Washer	X	8
9	NAS6603-2	Bolt	X	4
10	NAS1304-28	Bolt	X	2
11	NAS1149F0432P	Washer	X	2
12	NAS1149F0463P	Washer	X	2
13	D210-4	Nut	X	2
14	B330-13	Palnut	X	2
15	MS35489-4	Grommet	X	2
16	MS21042L08	Nut	X	2
17	NAS1149FN816P	Washer	X	1
18	B260-3	Terminal (install between clamp and washer)	X	1
19	D049-5	Harness (Incl items 18 and 35)	X	1
20	MS21919WDG2	Clamp (remove finish on item 3 at terminal for electrical ground)	X	1
21	MS27039C0806	Screw	X	1
22	B263-10	Housing	X	1
	B263-1	Pin	X	1
23	MS3367-4-9	Ty-rap	X	A/R
24	NAS6603-5	Bolt	X	4
25	A130-51	Spacer	X	4
26	A043-1**	Stabilizer – Lower Vertical (as required, order items 32 and 33)	X	1
27	01-0771554-11***	Light Assembly (Ref, see Figure 33-7)		
28	A529-1	Mount – Tail Light	X	1
29	A148	Bulkhead Assembly (Ref)		
30	AN3-12A	Bolt	X	2
31	D210-3	Nut	X	2
NOTES * May not be installed on a tailcone that has a B379-1 or -3 bracket installed. ** Painted white; additional charges for color matching. *** Whelen part number.				
				Continues

FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		A004-2 EMPENNAGE ASSEMBLY (Cont'd)		
53-29-32	A470-1 *	Skid – Vertical Stabilizer	X	1
33	A654-80	Decal – “Danger”	X	2
34	NAS1919B04S02	Rivet (optional for item 36 [3 places])	X	3
35	B161-2	Spirap	X	A/R
36	MS20470AD3	Rivet	X	5
37	MS20470AD4	Rivet (install as shown at item 7)	X	4
38	B722-3	Rib (install using NAS1919B04S rivet [10])	X	1
39	B270-1	Sealant	X	A/R
NOTES * Primered only; additional charges for color matching.				

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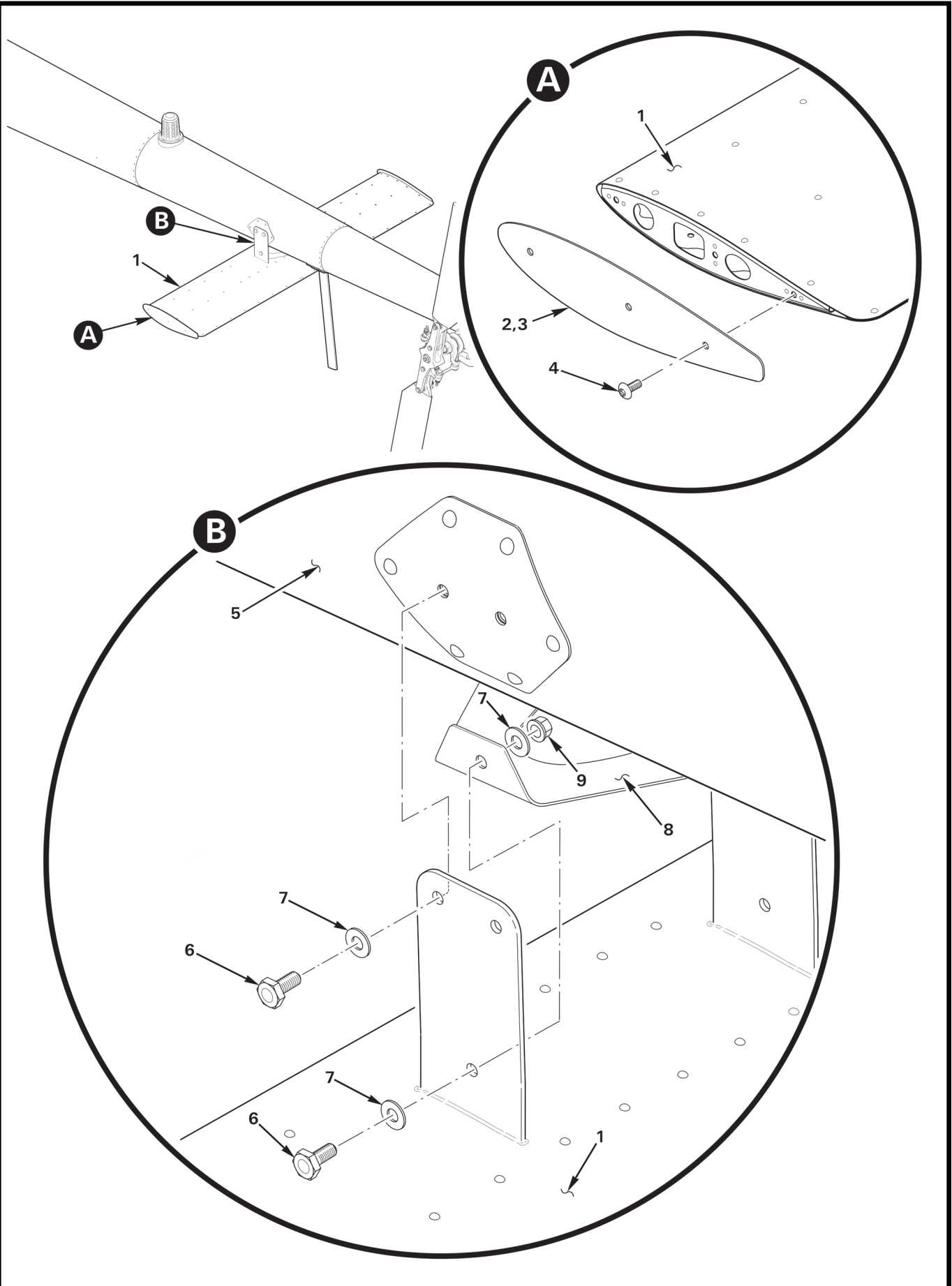


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
		B375-2 HORIZONTAL STABILIZER INSTALLATION		
53-33-1	B375-2	Horizontal Stabilizer Assembly (Incl item 2 thru 4)	X	1
2	B376-3	Plate (seal all around plate in joint, where plate attaches to stabilizer using item 3)	X	2
3	B270-1	Sealant	X	A/R
4	B526-66	Screw (do not substitute)	X	6
5	A023-1, -20, -22, -23*	Tailcone (Ref)		
6	NAS6603-2*	Bolt (Ref)		
7	NAS1149F0332P*	Washer (Ref)		
8	B379-1, -3*	Bracket (Ref)		
9	D210-3*	Nut (Ref)		
NOTES * See Figure 53-17.				

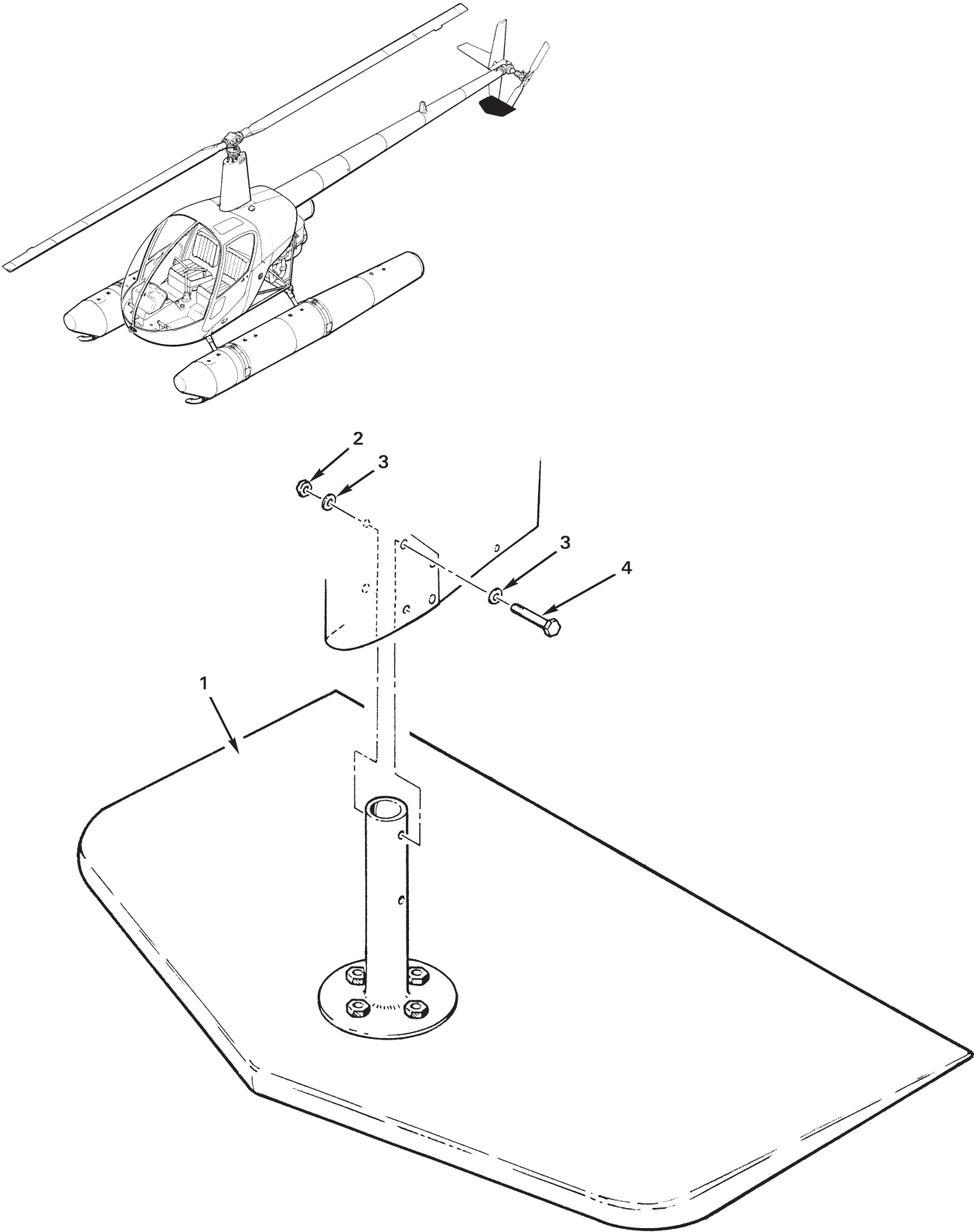


FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	PARTS AVAIL	QTY PER ASSY
53-35-1	FLOAT STABILIZER INSTALLATION			
	A050-1 *	Float Stabilizer Assembly (Incl items 2 thru 4; used on Mariner)	X	1
	2 D210-3	Nut	X	2
	3 NAS1149F0332P	Washer	X	4
	4 AN3-12A	Bolt	X	2
NOTES * Painted white; additional charges for color matching.				

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