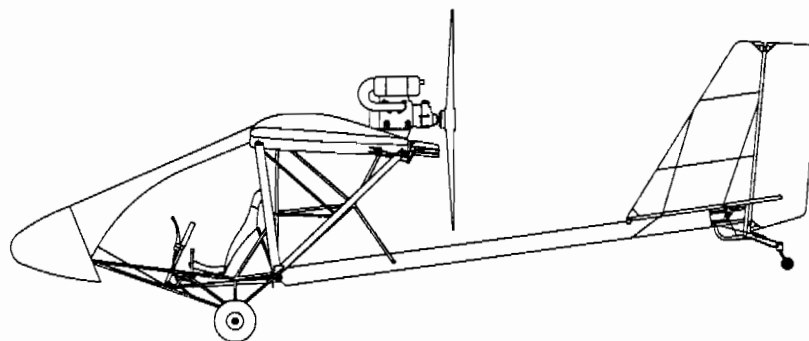
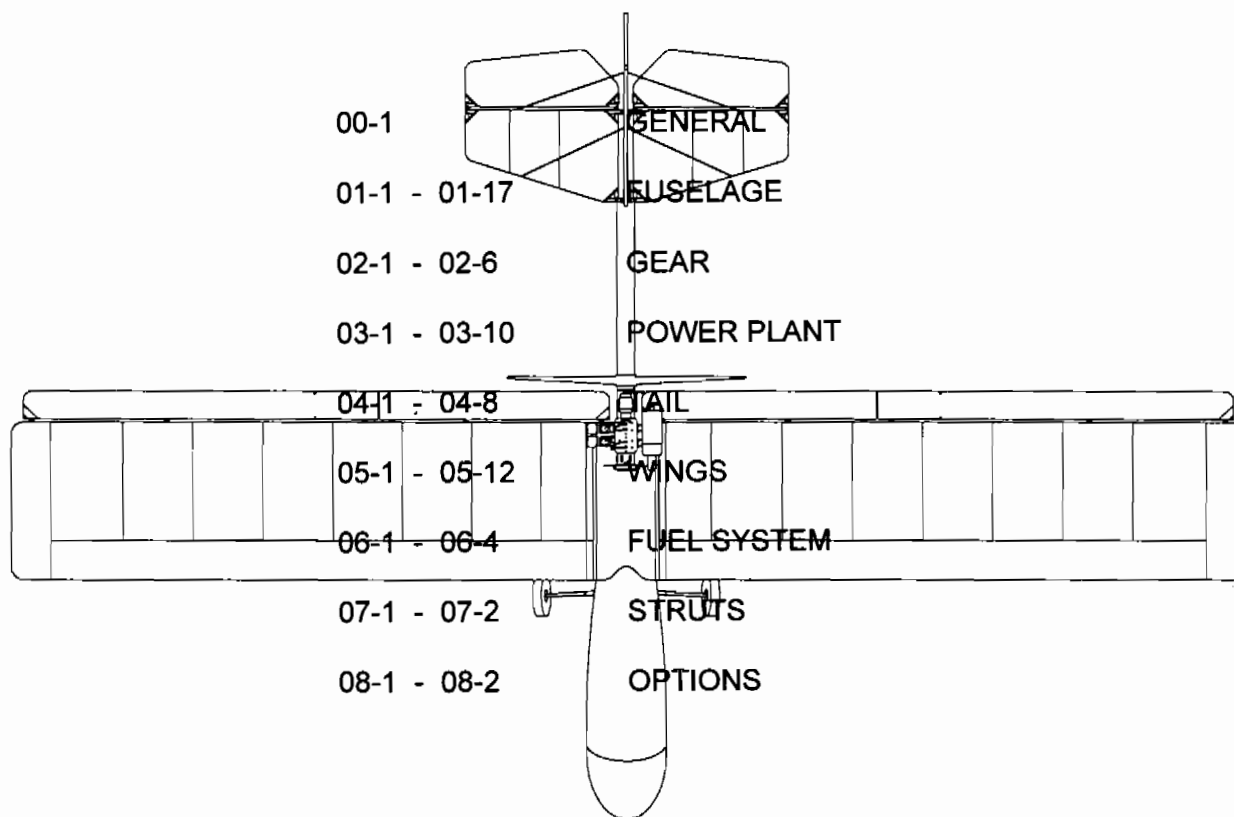


RANS S-17 STINGER

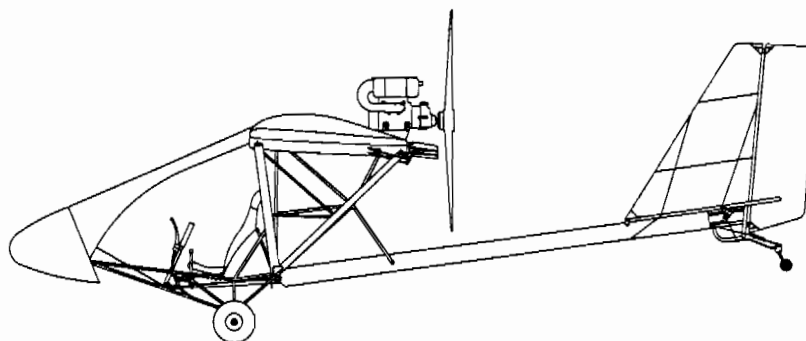
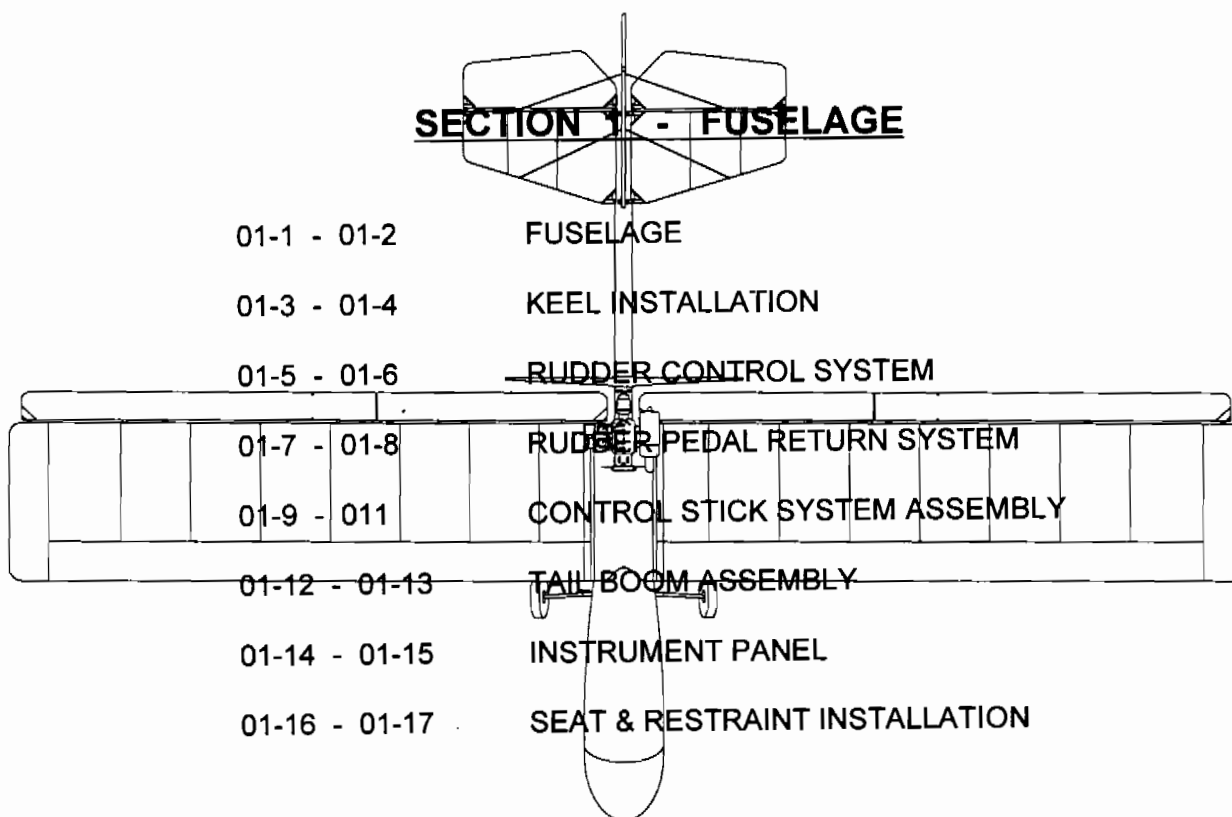
PARTS MANUAL



RANS S-17 STINGER

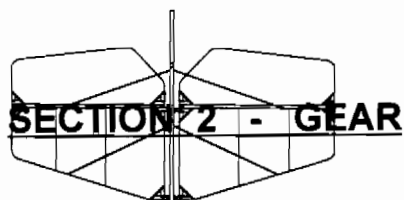
PARTS MANUAL

SECTION 12 - FUSELAGE



RANS S-17 STINGER

PARTS MANUAL



SECTION 2 - GEAR

02-1 - 02-2

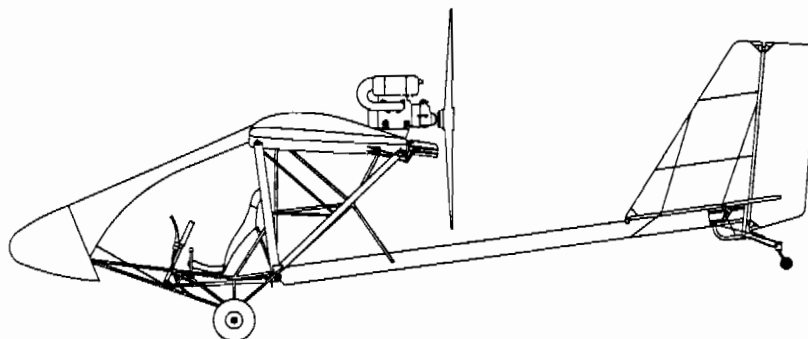
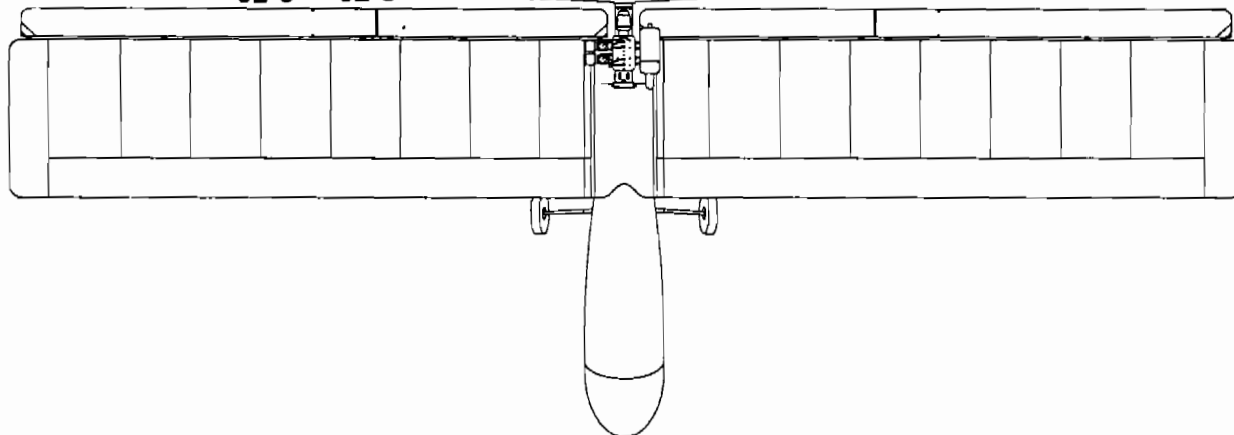
MAIN GEAR LEG & WHEEL ASSEMBLY & INSTALLATION

02-3 - 02-4

BRAKE SYSTEM ASSEMBLY

02-5 - 02-6

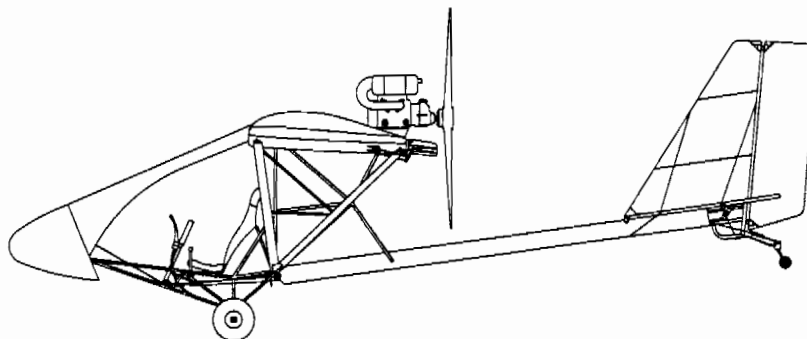
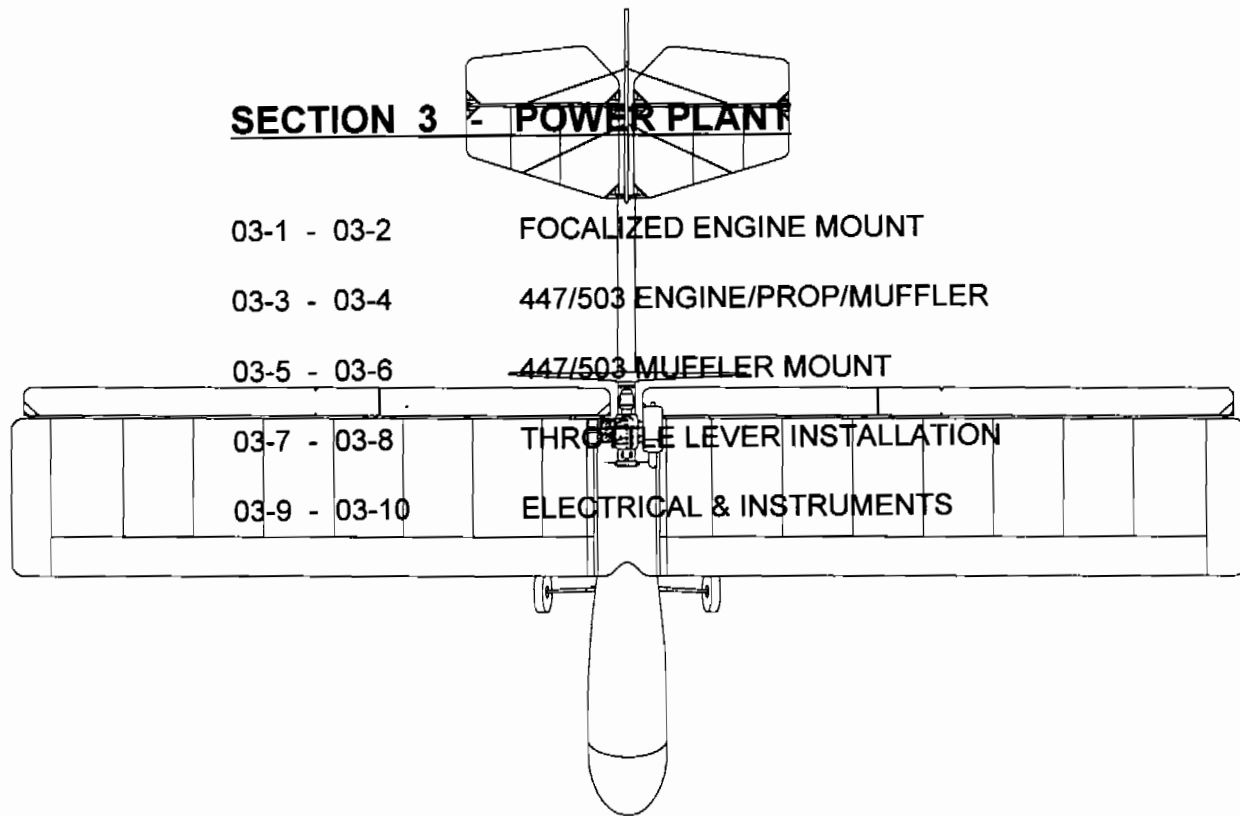
TAIL WHEEL ASSEMBLY



RANS S-17 STINGER

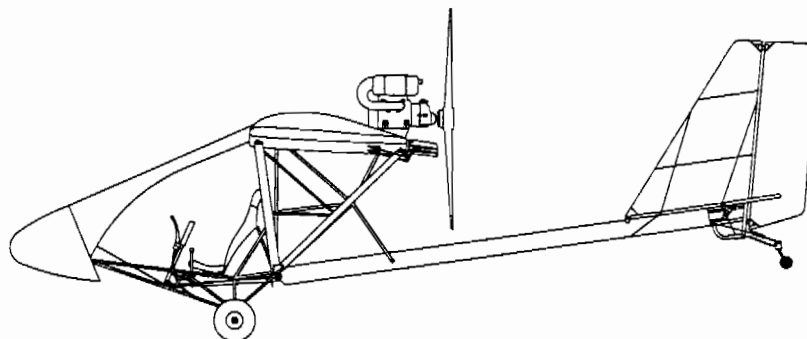
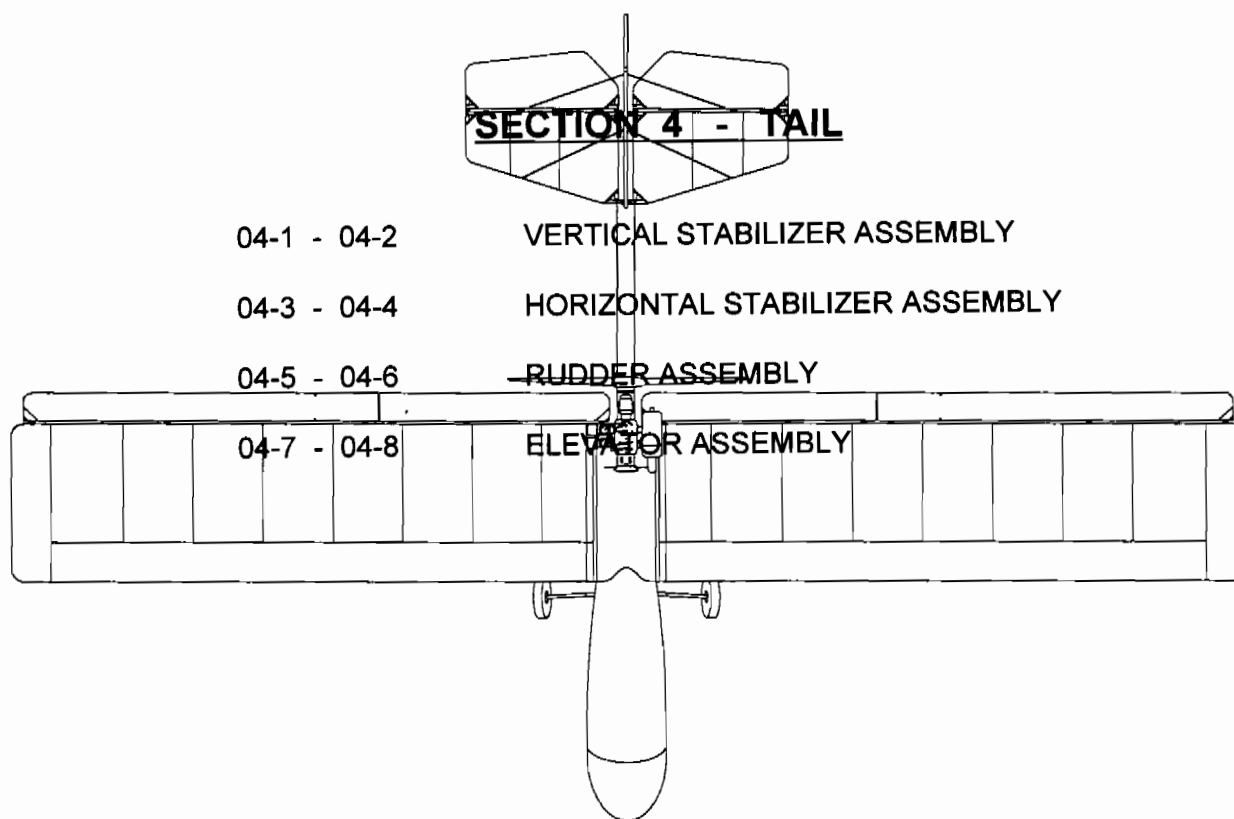
PARTS MANUAL

SECTION 3 - POWER PLANT



RANS S-17 STINGER

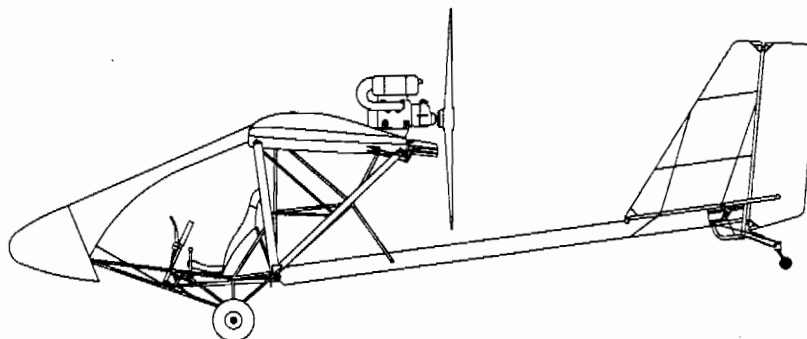
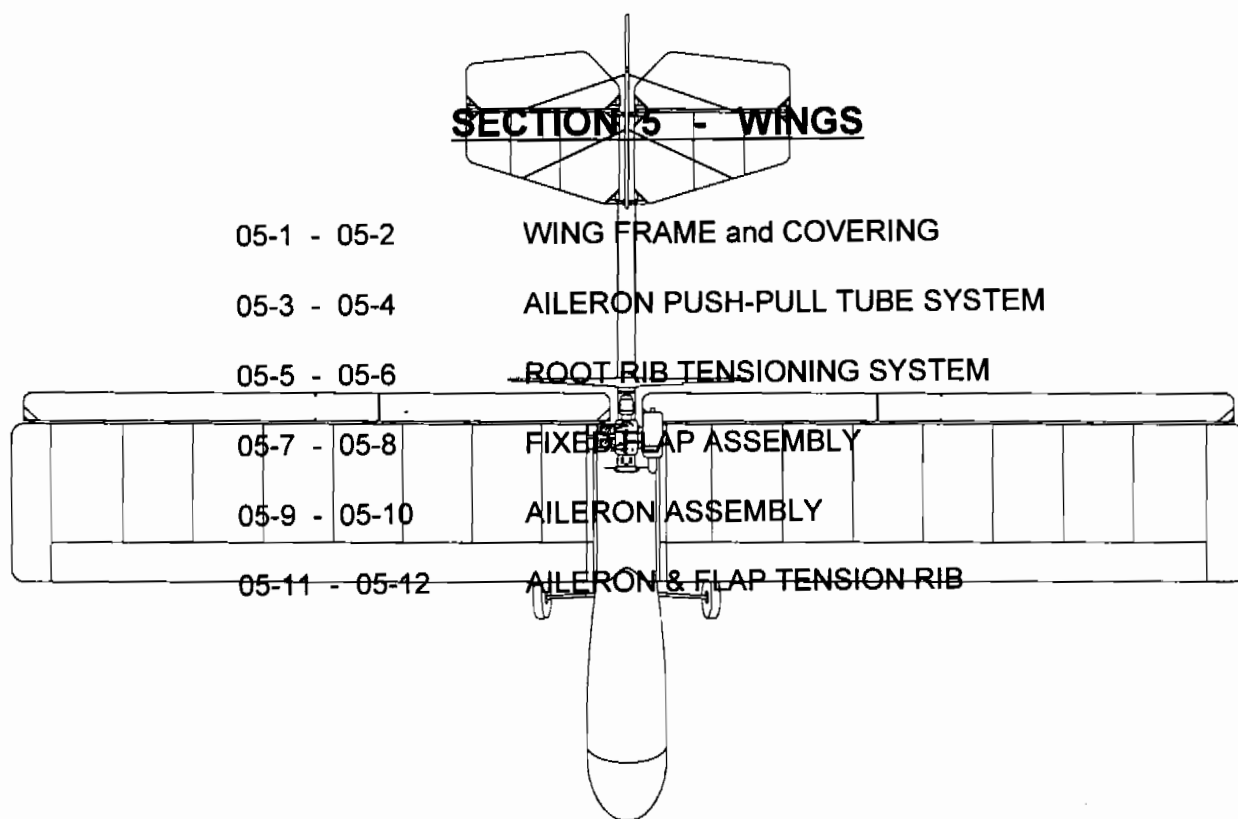
PARTS MANUAL



RANS S-17 STINGER

PARTS MANUAL

SECTION 5 - WINGS



RANS S-17 STINGER

PARTS MANUAL

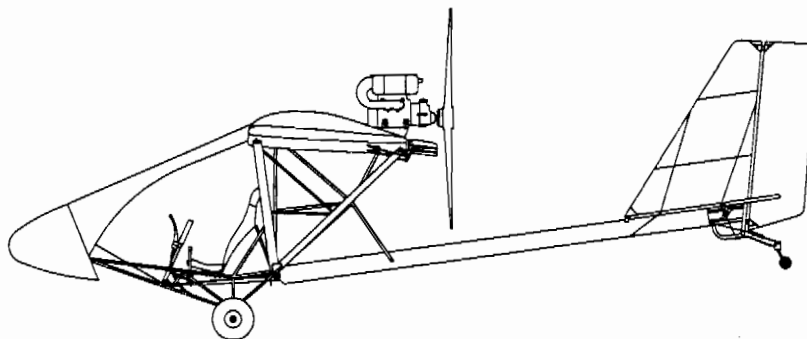
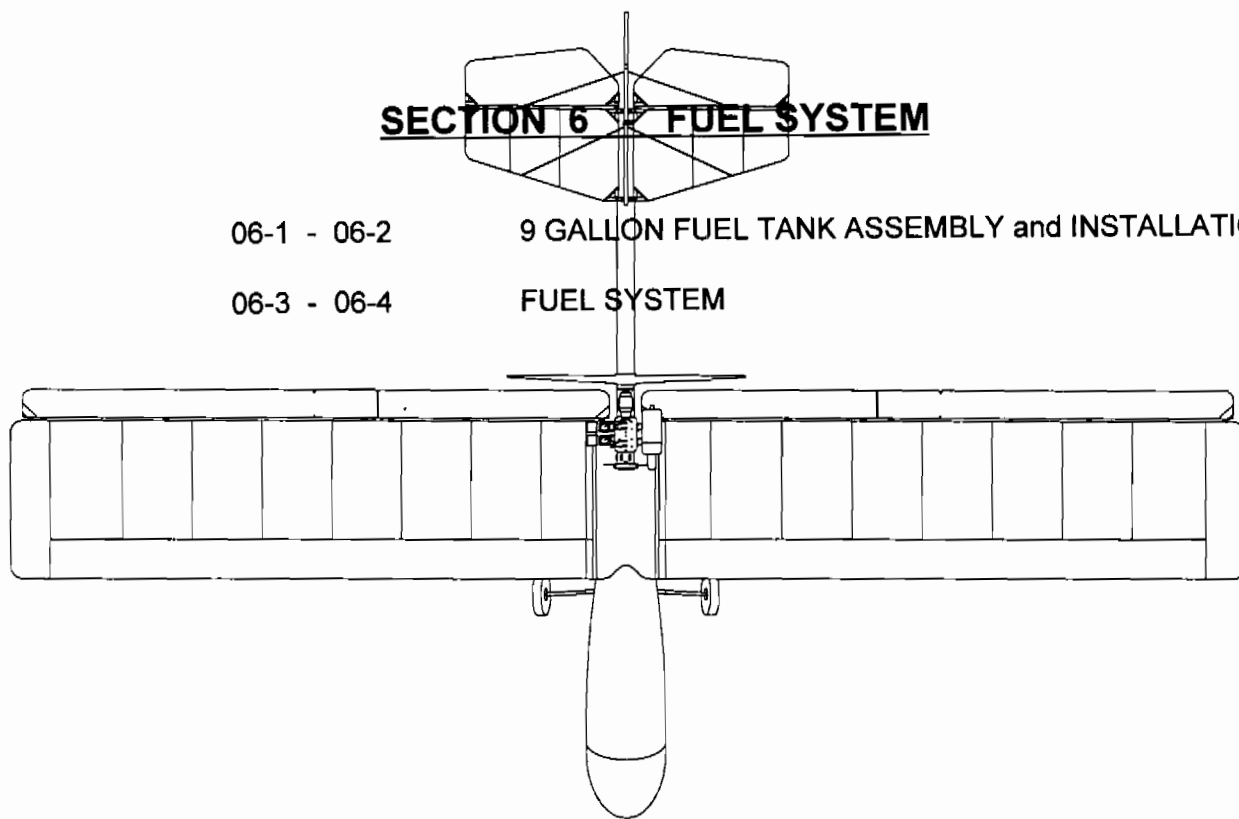
SECTION 6 FUEL SYSTEM

06-1 - 06-2

9 GALLON FUEL TANK ASSEMBLY and INSTALLATION

06-3 - 06-4

FUEL SYSTEM



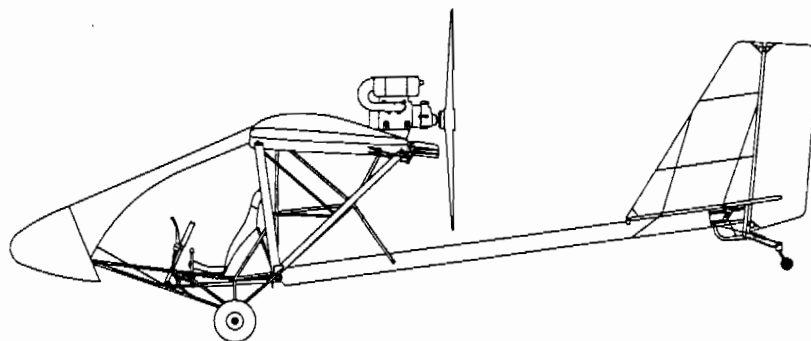
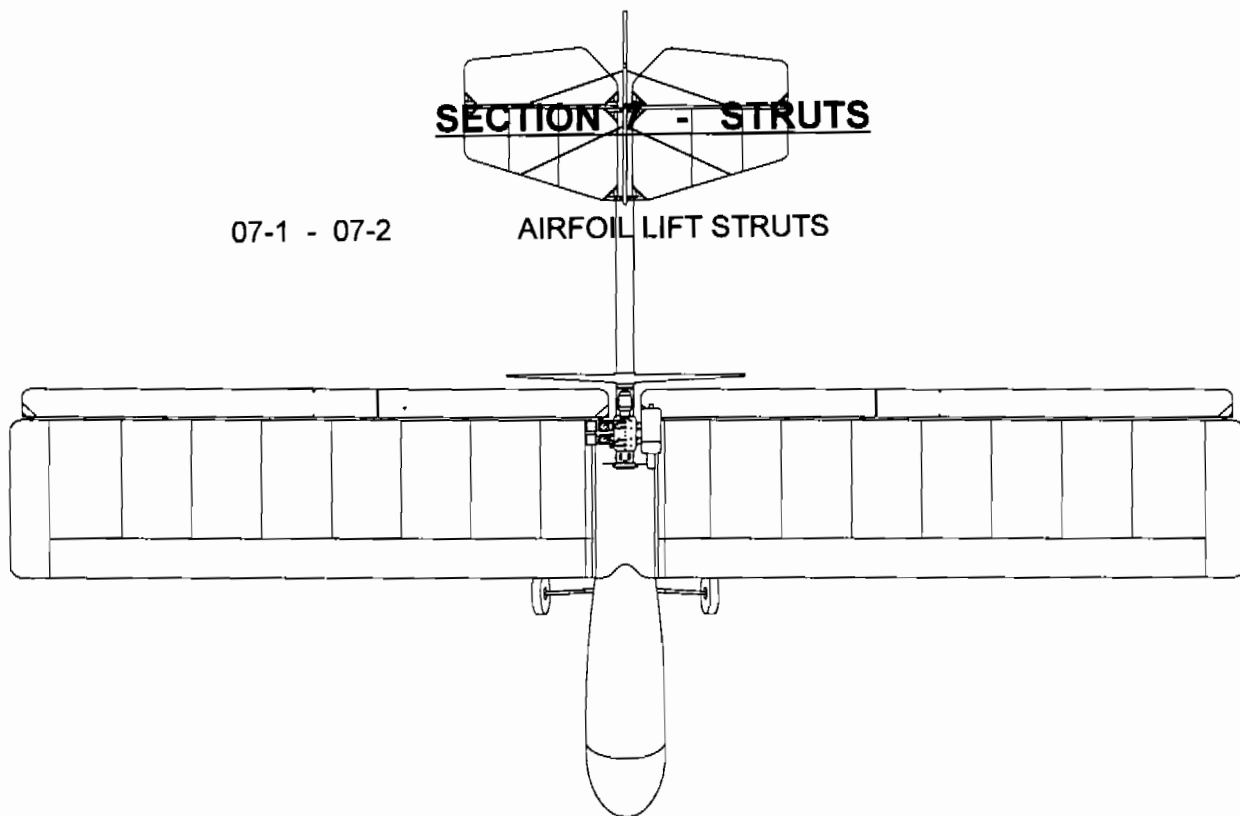
RANS S-17 STINGER

PARTS MANUAL

SECTION 7 - STRUTS

07-1 - 07-2

AIRFOIL LIFT STRUTS



RANS S-17 STINGER

PARTS MANUAL

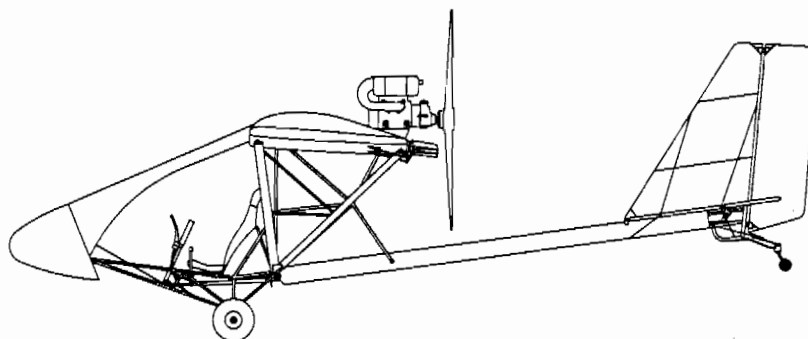
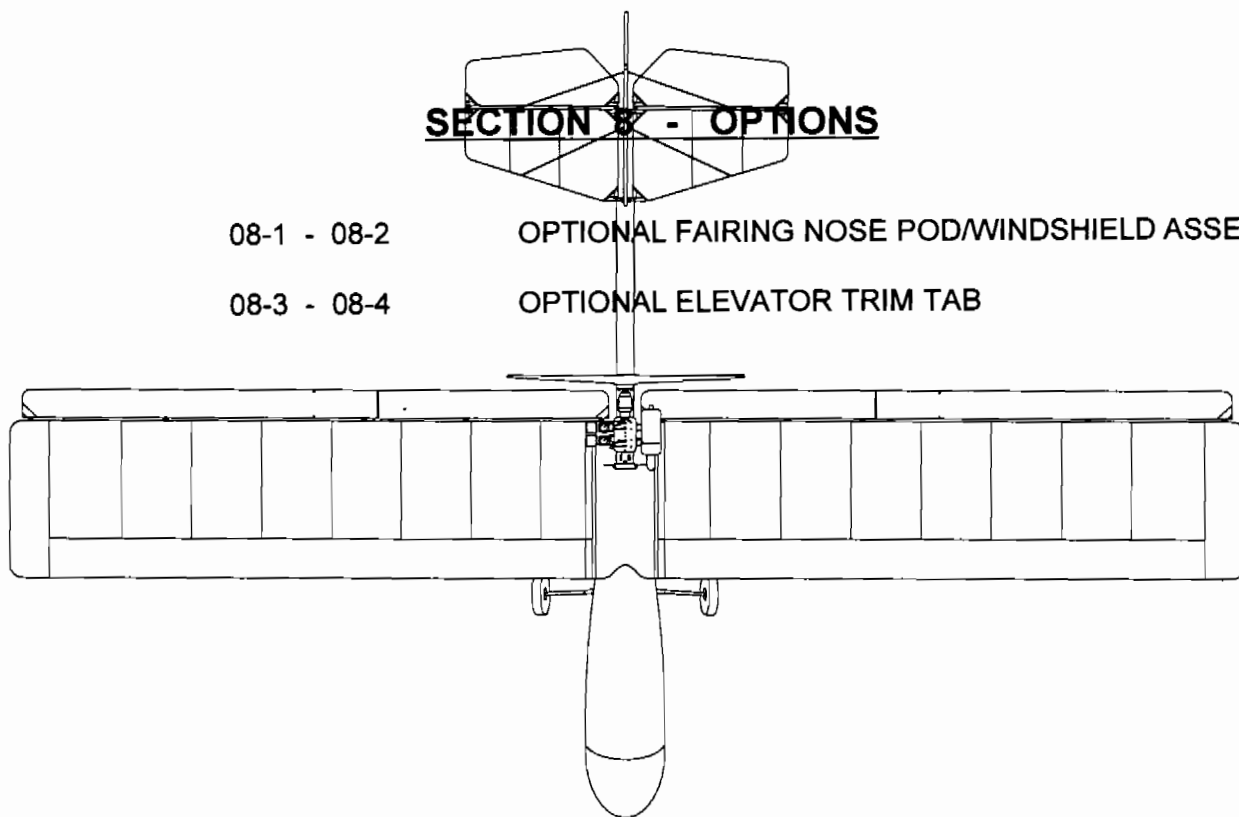
SECTION 8 - OPTIONS

08-1 - 08-2

OPTIONAL FAIRING NOSE POD/WINDSHIELD ASSEMBLY

08-3 - 08-4

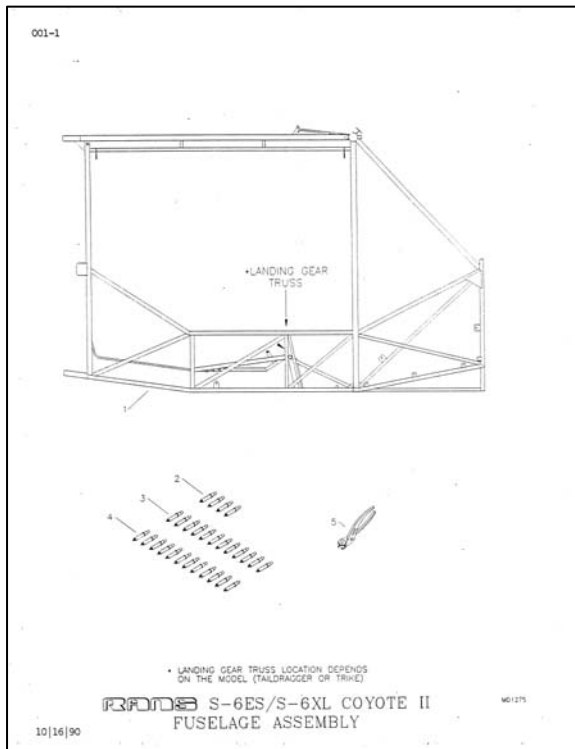
OPTIONAL ELEVATOR TRIM TAB



The RANS CD manual is designed to be printable on 3-hole punched paper on your home printer. If you have the pre-printed manual, follow the directions for rotation below.

If you desire to NOT print the pages, you may use the features available with ADOBE Reader to rotate the pages on your computer screen.

After the manual pages are printed, rotate the Parts Drawing page 180° to face the Parts List page. See the diagram below.



Parts Drawing page

001-2

S-6ES COYOTE II - FUSELAGE

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	S-6ES Fuselage (Taildragger)	KAFU0003	1
1.	S-6ES Fuselage (Trike)	KAFU0005	1
2.	#40 Silver Clecos	#40CLECOS	4
3.	#30 Copper Clecos	#30CLECOS	12
4.	#11 Gold Clecos	#11CLECOS	12
5.	Cleco Pliers	CLECO PLIERS	1

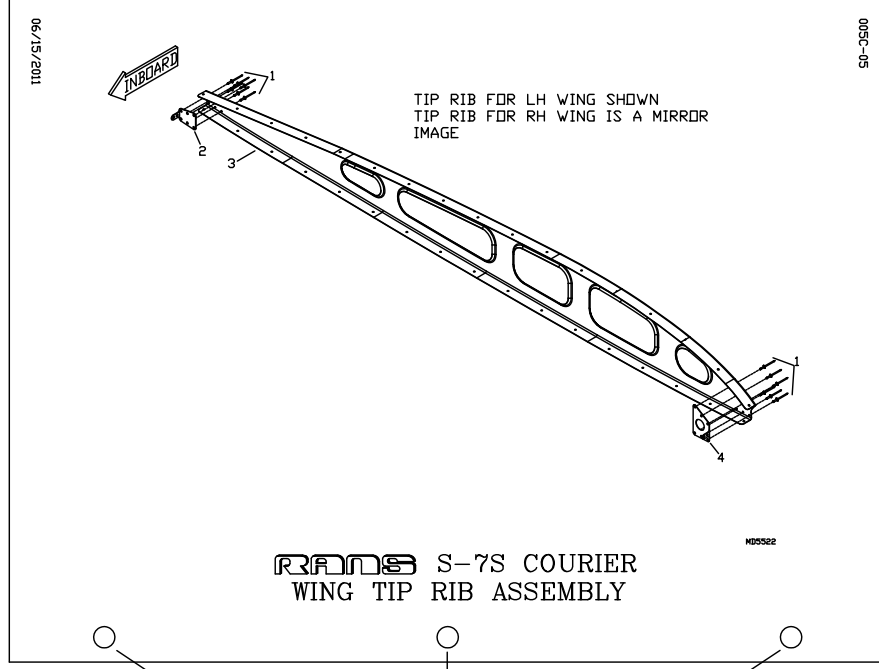
2/24/98

Parts List page

STEP 1:

PARTS MANUAL AS SHIPPED or PRINTED.
PLACE IN 3-RING BINDER TO SECURE.

PARTS DRAWING PAGE



3-HOLE PUNCH

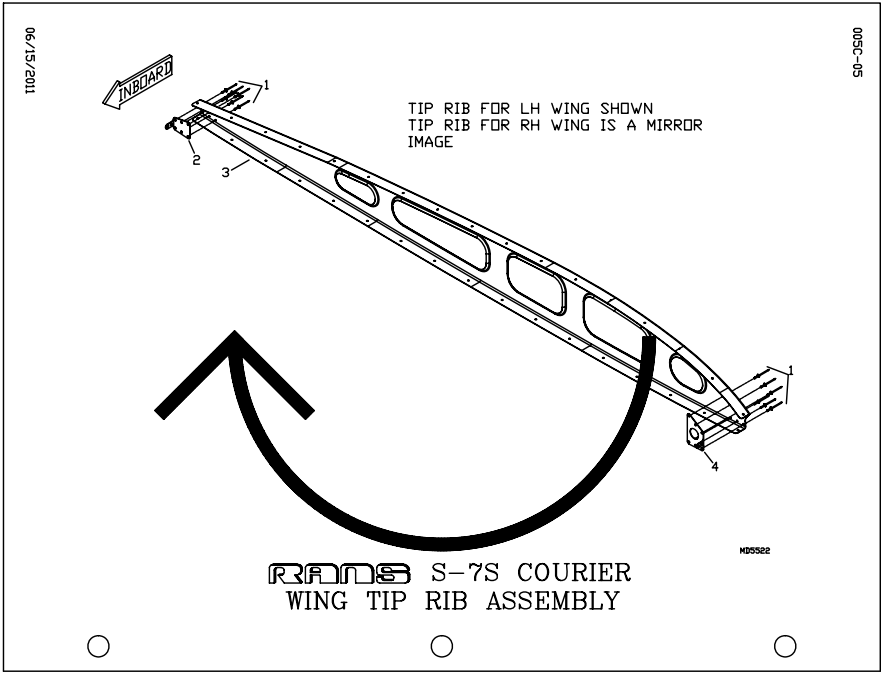
EXAMPLE ONLY.
MAY NOT REPRESENT ACTUAL PAGES
FROM YOUR MANUAL.

SEE NEXT PAGE

STEP 2:

OPEN 3-RING BINDER.
REMOVE PARTS DRAWING PAGE AND
ROTATE 180° TO FACE
CORRESPONDING
PARTS DESCRIPTION PAGE.
REPEAT FOR REMAINING PAGES

PARTS DRAWING PAGE



PARTS DESCRIPTION PAGE

S-7S COURIER - WING - TIP RIB ASSEMBLY				PAGE 005C-06	
#	DESCRIPTION	PART NUMBER	QUANTITY		
1.	1/8" ALUMINUM RIVET	AAQ-41	24		
2.	RIB CLIP TRAILING EDGE - LH	KPW0372-L	4		
2.	RIB CLIP TRAILING EDGE - RH	KPW0372-R	1		
3.	WING TIP RIB - LH	KPW0544-L	1		
3.	WING TIP RIB - RH	KPW0544-R	1		
4.	RIB CLIP LEADING EDGE - LH	KPW0373-L	1		
4.	RIB CLIP LEADING EDGE - RH	KPW0373-R	1		

6/15/2011

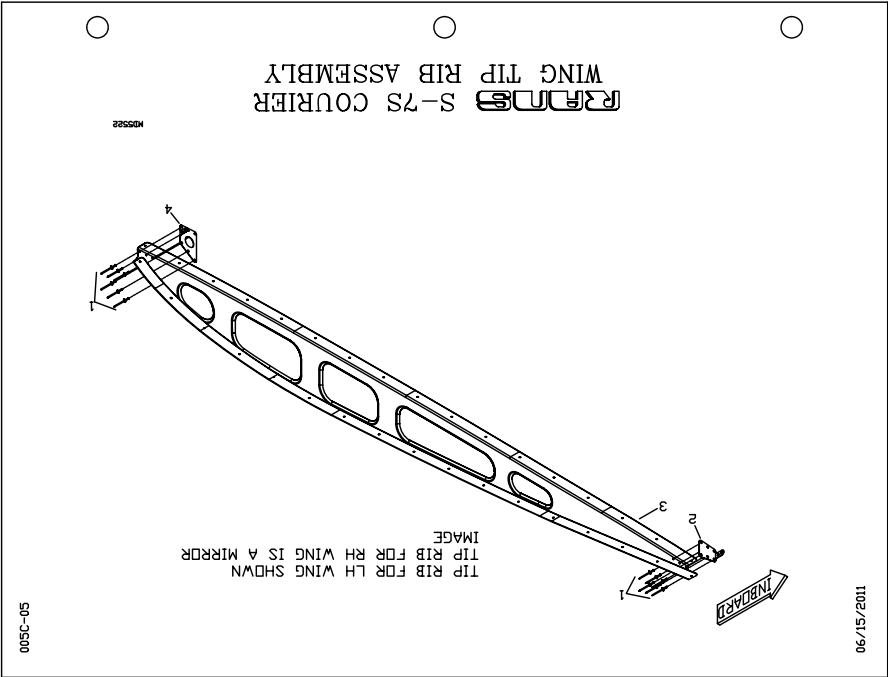
EXAMPLE ONLY.
MAY NOT REPRESENT ACTUAL PAGES
FROM YOUR MANUAL.

SEE NEXT PAGE

STEP 3:

PARTS DRAWING PAGE
FACES CORRESPONDING
PARTS DESCRIPTION PAGE
WHEN FINAL SECURED IN
BINDER

PARTS DRAWING PAGE



PARTS DESCRIPTION PAGE

PAGE 005C-06

S-7S COURIER - WING - TIP RIB ASSEMBLY

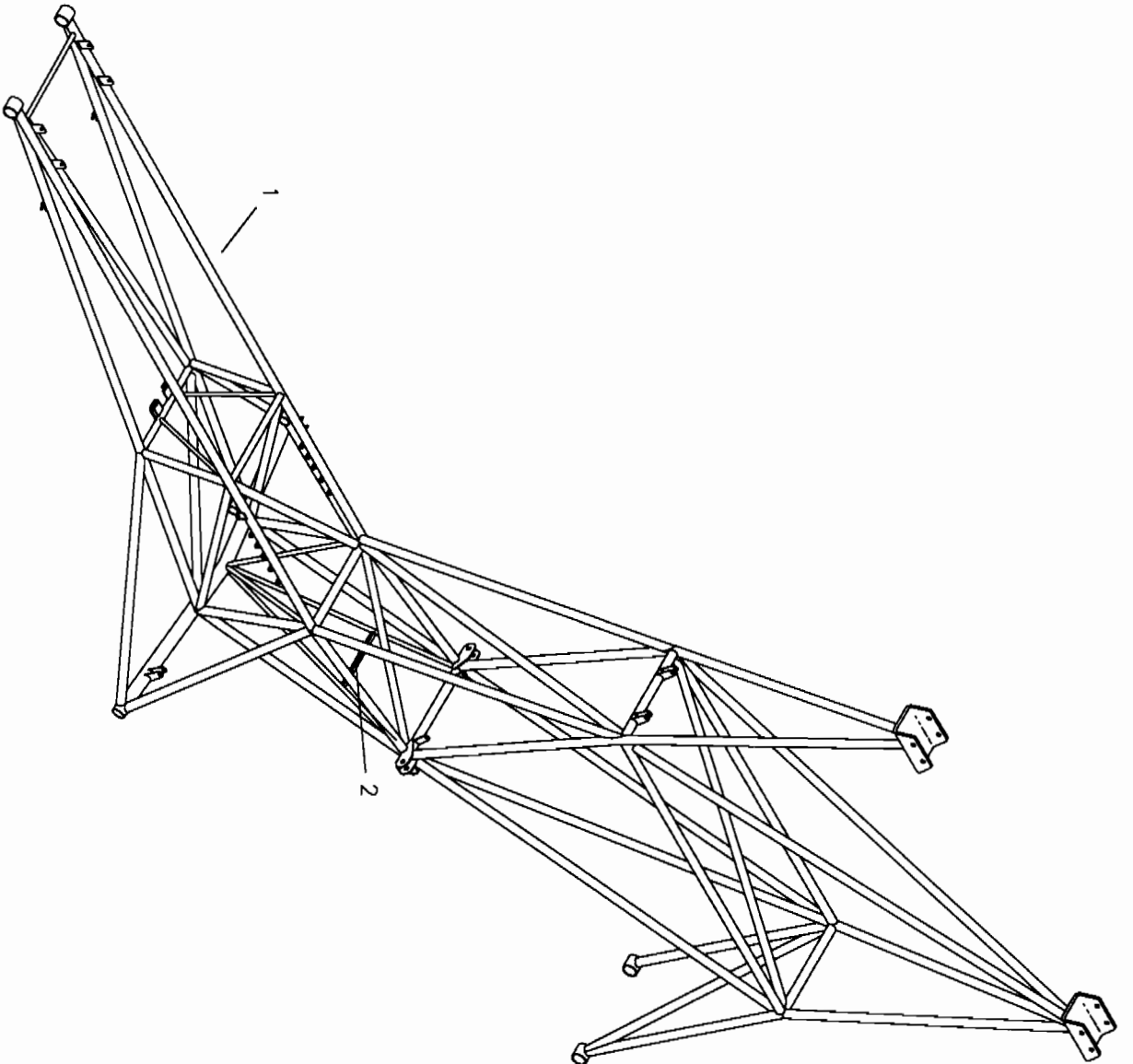
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" ALUMINUM RIVET	AAQ41	24
2.	RIB CLIP TRAILING EDGE - LH	KPW0372-L	4
2.	RIB CLIP TRAILING EDGE - RH	KPW0372-R	1
3.	WING TIP RIB - LH	KPW0544-L	1
3.	WING TIP RIB - RH	KPW0544-R	1
4.	RIB CLIP LEADING EDGE - LH	KPW0373-L	1
4.	RIB CLIP LEADING EDGE - RH	KPW0373-R	1

6/15/2011

EXAMPLE ONLY.
MAY NOT REPRESENT ACTUAL PAGES
FROM YOUR MANUAL.

S-17 Stinger - General Information

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Flight Log Book	FLIGHT LOG	1
2.	Maintenance Log Book	MAINTENANCE LOG	1
3.	Assembly Manual	ASSEMBLY MANUAL(17)	1
4.	Text Manual	TEXT MANUAL(17)	1
5.	Figure Manual	FIGURE MANUAL(17)	1
6.	Raw Stock Kit	KAAC0032	1
6.	7/8" x .058 x 40" Anodized Aluminum Tubing	KAAC0032-1	1
6.	3/8" x .058 x 3" Anodized Aluminum Tubing	KAAC0032-2	1
6.	3/8" x .028 x 4" Anodized Aluminum Tubing	KAAC0032-3	1
6.	1" x .058 x 23 1/4" Anodized Aluminum Tubing	KAAC0032-4	1
6.	1/4" x .028 x 6" Anodized Aluminum Tubing	KAAC0032-5	1
6.	1/2" x .035 x 216" Anodized Aluminum Tubing	KAAC0032-6	1
6.	5/8" x .020 x 8" Anodized Aluminum Strip	KAAC0032-7	1
7.	#40 Silver Clecos	#40CLECOS	5
8.	#30 Copper Clecos	#30CLECOS	10
9.	Cleco Pliers	CLECO PLIERS	1
10.	Stinger Tail Logo Decal	KPPL0005	2
11.	Warning Label	KPPL0001	1
12.	Safety Wire	SAFETY WIRE	1
13.	Loctite Blue	LOC-TITE	1



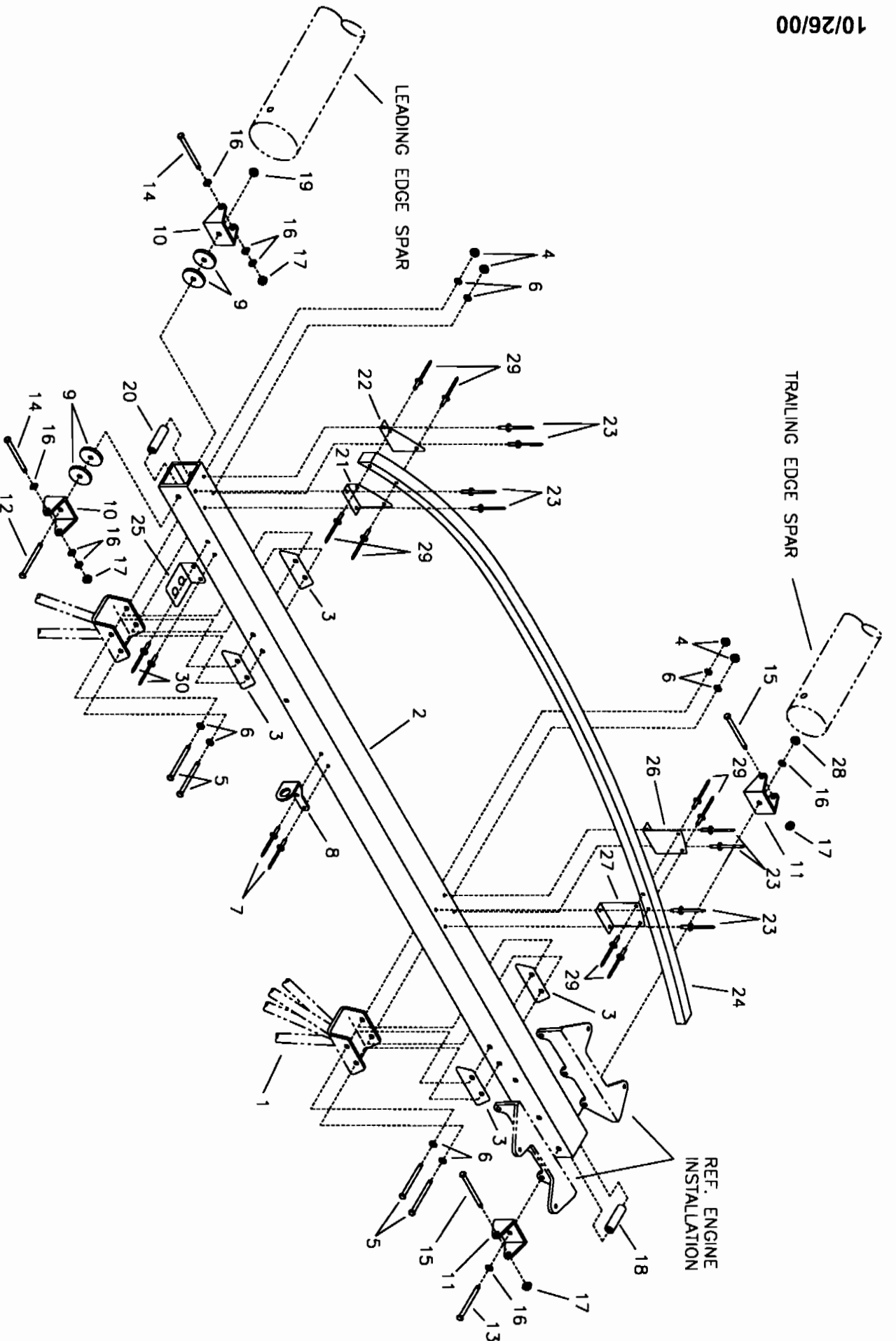
REFUGEE S-17 STINGER
FUSELAGE

MD3853

S-17 Stinger - Fuselage

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Fuselage	KAFU0027	1
2.	Serial Number Location	-----	1

REFIN S-17 STINGER KEEL INSTALLATION



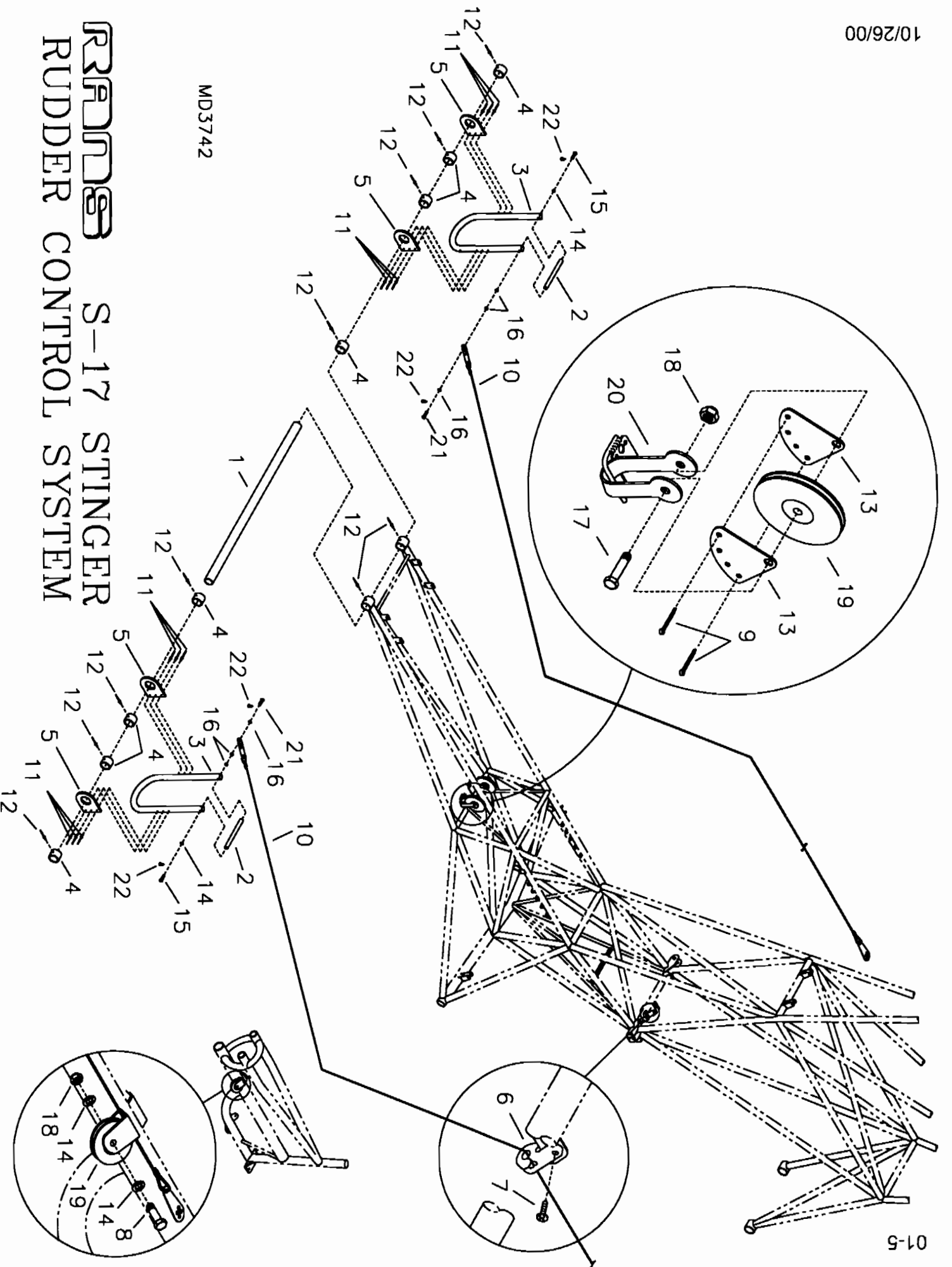
S-17 Stinger - Keel Installation

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	S-17 Fuselage ***	KAFU0027	0
2.	S-17 Keel	KPFU0285	1
3.	Keel Shim *	KAAC0032-7	0
4.	1/4" Shear Nut	AN364-428A	4
5.	1/4" Bolt	AN4-26A	4
6.	1/4" Thin Washer	AN960-416L	8
7.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-64	2
8.	Primer Mount Bracket	KPFS0027	1
9.	1/8" Aluminum Washer	EG-AW	4
10.	Leading Edge Spar Attach Bracket	SU-218-A	2
11.	Trailing Edge Spar Attach Bracket	SU-158	2
12.	1/4" Bolt	AN4-31A	1
13.	5/16" Bolt	AN5-34A	1
14.	5/16" Bolt	AN5-30A	2
15.	5/16" Bolt	AN5-23A	2
16.	5/16" Thick Washer	AN960-516	8
17.	5/16" Shear Nut	AN364-524A	4
18.	3/8" x .028 x 1 3/4" Anti Crush Bushing	KAAC0032-3	0
19.	1/4" Tensile Nut	AN365-428A	1
20.	Anti Crush Bushing	W-ANTI-CB-1 3/4	1
21.	FWD Attach Bracket - LH	KPCV0025-L	1
22.	FWD Attach Bracket - RH	KPCV0025-R	1
23.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-44	8
24.	Upper Rib, Root Rib **	KPWI0344	1
25.	Switch Plate	KPIP0041	1
26.	AFT Attach Bracket - RH	CC-AA-RH	1
27.	AFT Attach Bracket - LH	CC-AA-LH	1
28.	5/16" Tensile Nut	AN365-524A	1
29.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-41	8
30.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	2

*Builder must fabricate from Raw Stock.

**Builder must modify.

***Referenced.



MD3742

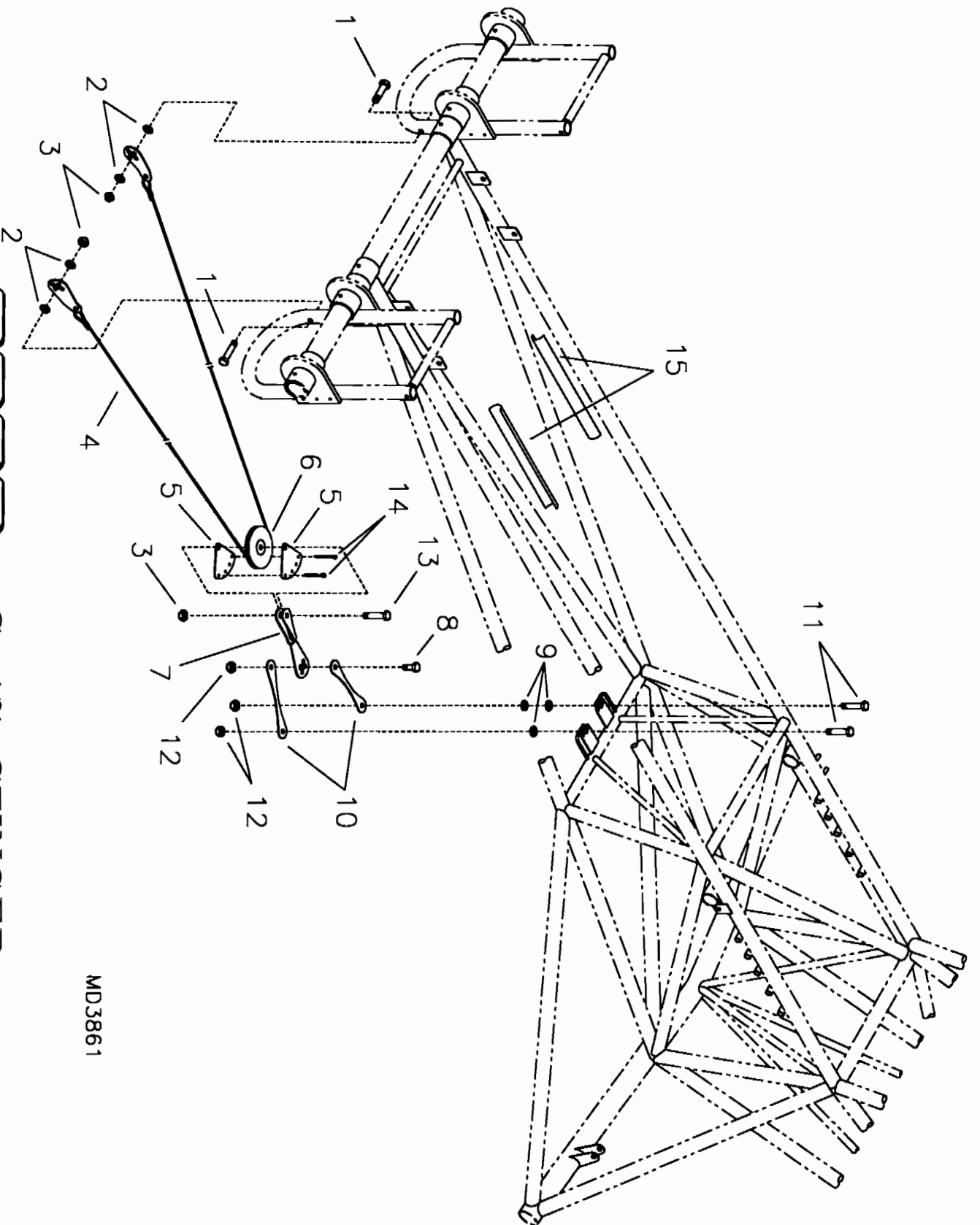
REF ID: A12345 S-17 STINGER RUDDER CONTROL SYSTEM

S-17 Stinger - Rudder Control System

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Rudder Torque Tube *	KAAC0032-4	0
2.	Rudder Pedal Brace	KPRD0051	2
3.	Rudder Pedal Hoop	KPRD0050	2
4.	Rudder Pedal Pivot Stop	KPRD0054	8
5.	Rudder Pedal Pivot	KPRD0052	4
6.	Rudder Cable Guide	HA-144	2
7.	Screw	PPP4-38Z	2
8.	3/16" Bolt	AN3-6A	2
9.	Small Cotter Pin	MS24665-134	4
10.	Rudder Cable	KACS0024	2
11.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	12
12.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	10
13.	Small Pulley Cable Keeper **	SP-CK	4
14.	3/16" Thin Washer	AN960-10L	6
15.	3/16" Bolt	AN3-7A	2
16.	3/16" Thick Washer	AN960-10	6
17.	3/16" Bolt	AN3-5A	2
18.	3/16" Shear Nut	AN364-1032A	4
19.	Rudder Cable Pulley	AN210-1A	4
20.	Pulley Attach Bracket	KPCS0152	2
21.	3/16" Bolt	AN3-10A	2
22.	Loctite Blue	LOC-TITE	0

*Builder must fabricate from Raw Stock.

**Builder must modify.



MD3861

REFUND S-17 STINGER RUDDER PEDAL RETURN SYSTEM

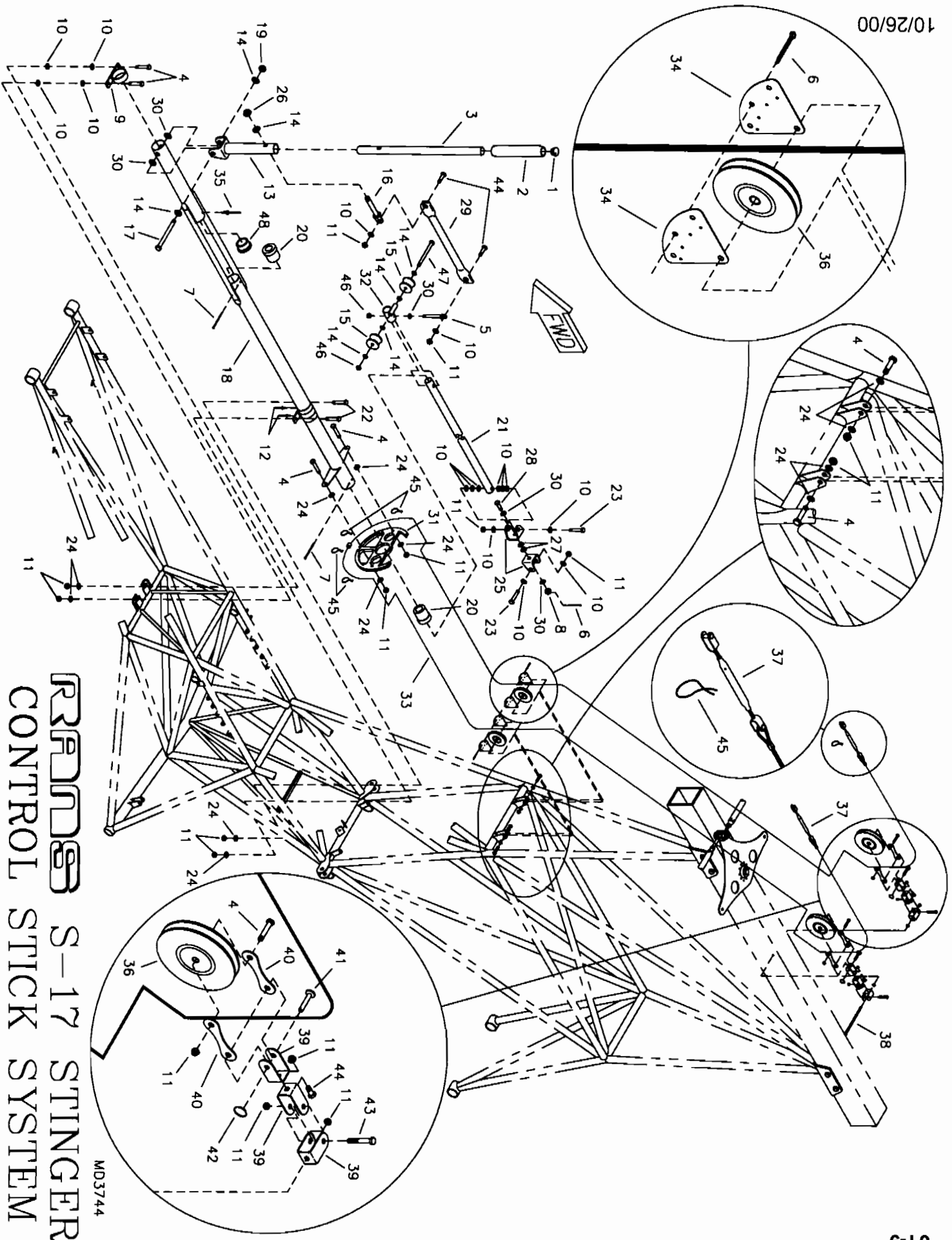
S-17 Stinger - Rudder Pedal Return System

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-10A	2
2.	3/16" Thin Washer	AN960-10L	4
3.	3/16" Shear Nut	AN364-1032A	3
4.	Return Cable	KACS0027	1
5.	Small Pulley Cable Keeper **	SP-CK	2
6.	Pulley	AN210-1A	1
7.	Pulley Bracket	KPCS0159	1
8.	3/16" Bolt	AN3-4A	1
9.	3/16" Thick Washer	AN960-10	3
10.	Tang	KPAC0038	2
11.	3/16" Bolt *	-----	0
12.	3/16" Nut *	-----	0
13.	3/16" Bolt	AN3-5A	1
14.	Small Cotter Pin	MS24665-134	2
15.	Anti-Chafe Tape ***	KSAC0003	12 in

*See Control Stick Assembly.

**Builder must modify.

***Builder cuts in half.



RRR S-17 STINGER CONTROL STICK SYSTEM

MD3744

S-17 Stinger - Control Stick System Assembly

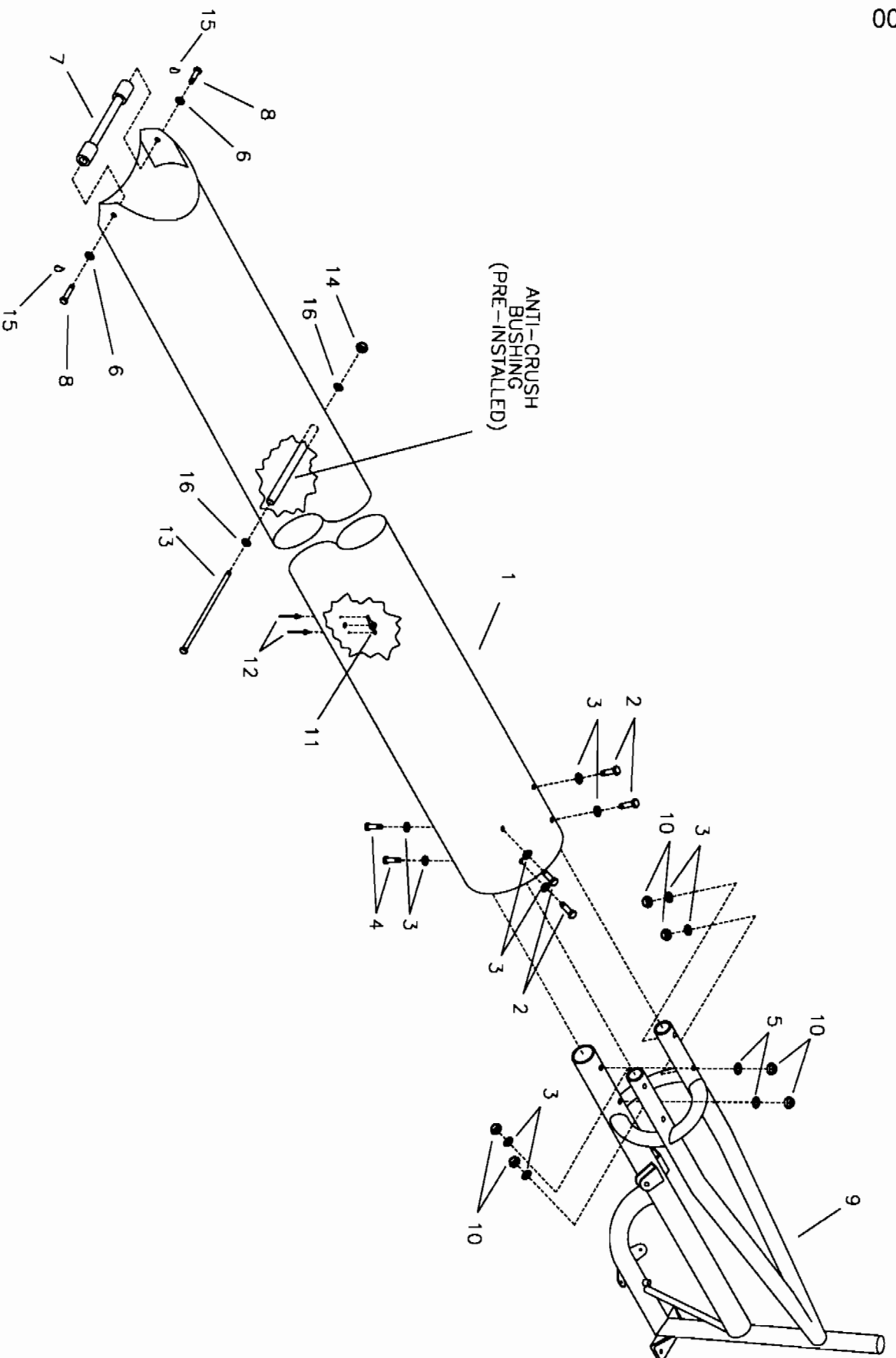
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Control Stick End Cap	CS-EC	1
2.	Control Stick Grip	CS-G	1
3.	Control Stick *	KAAC0032-1	0
4.	3/16" Bolt	AN3-6A	8
5.	1/4" Eyebolt	AN43B-11A	1
6.	Small Cotter Pin	MS24665-134	3
7.	Large Cotter Pin	MS24665-285	2
8.	1/4" Castle Nut	AN310-4	1
9.	Pillow Block	CS-PBF(4/5)	1
10.	3/16" Thick Washer	AN960-10	18
11.	3/16" Shear Nut	AN364-1032A	20
12.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	2
13.	Control Stick Socket	KPCS0139	1
14.	1/4" Thin Washer	AN960-416L	7
15.	Pulley	CS-PULL	2
16.	1/4" Eyebolt	AN43B-13A	1
17.	1/4" Bolt	AN4-16A	1
18.	Control Stick Torque Tube	KPCS0145	1
19.	1/4" Shear Acorn Nut	52NKTE-048	1
20.	Glide	CS-FGL	2
21.	5/8" Push-Pull Tube	KPCS0147	1
22.	3/16" Bolt	AN3-10A	2
23.	3/16" Bolt	AN3-15A	2
24.	3/16" Thin Washer	AN960-10L	12
25.	Elevator Push Pull Tube Connect Bracket	S2-SAB	2
26.	1/4" Tensile Nut	AN365-428A	1
27.	1/4" Plastic Washer	PW-4	2
28.	1/4" Bolt	AN4-7	1
29.	Control Stick Link Tube	KPCS0140	1
30.	1/4" Thick Washer	AN960-416	5
31.	Control Stick Pulley	KPCS0141	1
32.	Pulley Mount	CS-PULMT	1
33.	Aileron Cable	KACS0025	1
34.	Cable Keeper	SP-CK	4
35.	3/32" Aluminum Pop Rivet	40APR1/8	1
36.	Aileron Pulley	AN210-2A	4
37.	Turnbuckle	RL-335-AT	2
38.	3/16" Bolt	AN3-23A	1
39.	Shackle	RL-205-T	6
40.	Hummertang	T12-HT6	4

*Builder must fabricate from Raw Stock.

#	DESCRIPTION	PART NUMBER	QUANTITY
41.	3/16" Clevis Pin	MS20392-2C17	2
42.	Loc Ring	RL 27 1/4	2
43.	3/16" Bolt	AN3-7A	2
44.	3/16" Bolt	AN3-4A	4
45.	Safety Wire	SAFETY WIRE	2
46.	1/4" Shear Nut	AN364-428A	2
47.	1/4" Bolt	AN4-23A	1
48.	1" End Cap	1 CAP	1

*Builder must fabricate from Raw Stock.

10/26/2000



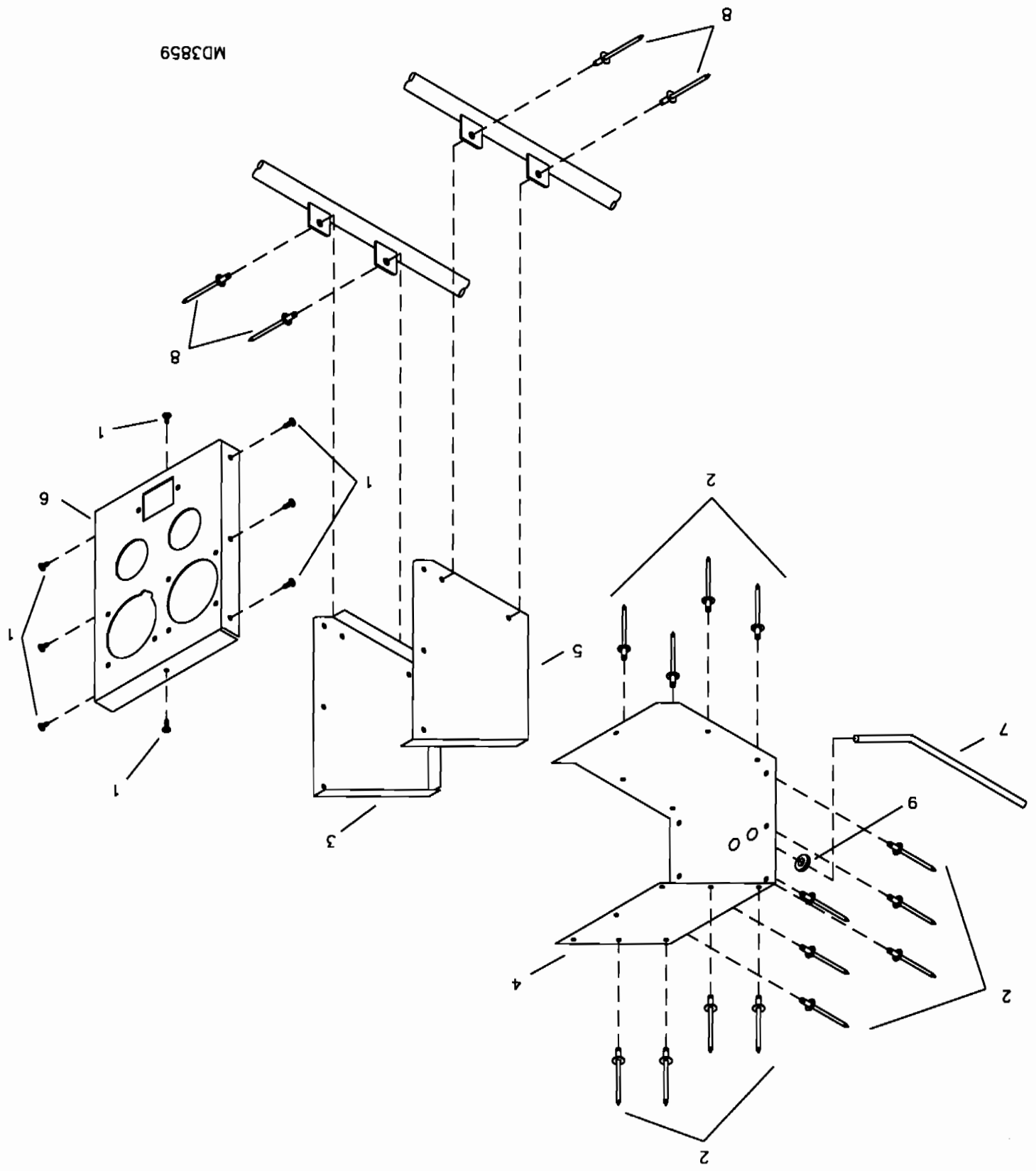
RRM S-17 STINGER TAIL BOOM ASSEMBLY

S-17 Stinger - Tail Boom Assembly

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	S-17 Tailboom Assembly	KAFU0029	1
2.	3/16" Bolt	AN3-10A	4
3.	3/16" Thin Washer	AN960-10L	10
4.	3/16" Bolt	AN3-12A	2
5.	3/16" Thick Washer	AN960-10	2
6.	1/4" Thin Washer	AN960-416L	2
7.	Tailboom Spreader Tube	KPFU0289	1
8.	1/4" Bolt	AN4-5A	2
9.	S-17 Tailboom Extension	KPFU0290	1
10.	3/16" Shear Nut	AN364-1032A	6
11.	3/16" Nut Plate	K-1000-3	1
12.	3/32" Aluminum Pop Rivet	40APR1/8	2
13.	1/4" Bolt	AN4-56A	1
14.	1/4" Tensile Nut	AN365-428A	1
15.	Loctite Blue	LOC-TITE	0
16.	1/4" Thick Washer	AN960-416	2

RRMS S-17 STINGER INSTRUMENT PANEL ASSEMBLY

MD3859



S-17 Stinger - Instrument Panel

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	#8 Pan Head Screw	8X1/2 PHS	8
2.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	14
3.	S-17 Instrument Panel Side Plate - RH	KPIP0039-R	1
4.	S-17 Instrument Panel Cover	KPIP0040	1
5.	S-17 Instrument Panel Side Plate - LH	KPIP0039-L	1
6.	S-17 Instrument Panel - Standard	KPIP0042	1
6.	S-17 Instrument Panel - Optional	KPIP0043	1
7.	Pitot Tube ***	W-ASI-P	0
8.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	4
9.	1/4" Rubber Grommet	MS35489-6	1

*Supplied with EGT Gauge.

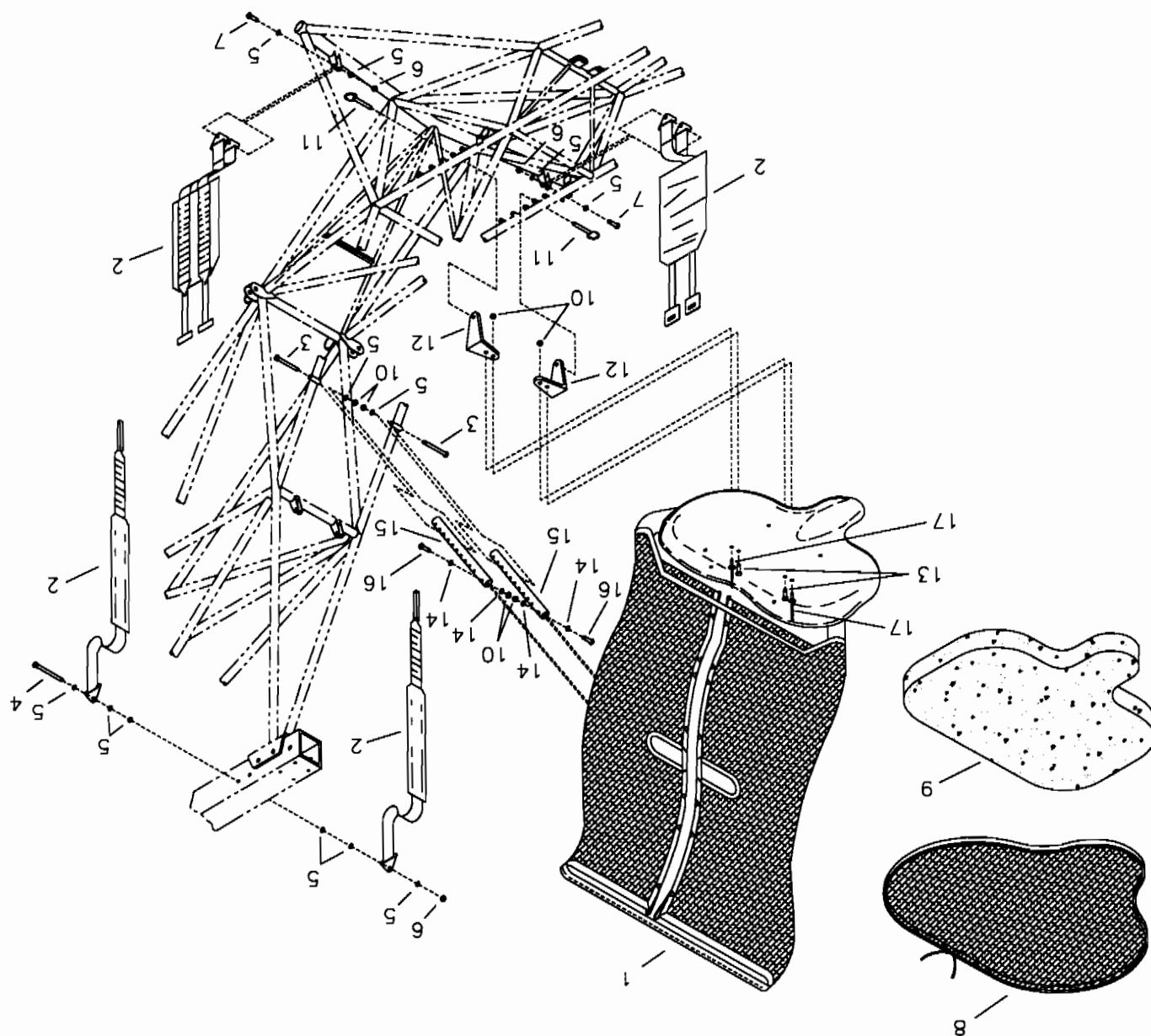
**Supplied with CHT Gauge.

***Referenced.

SEAT AND RESTRAINT INSTALLATION

RMS S-17 STINGER

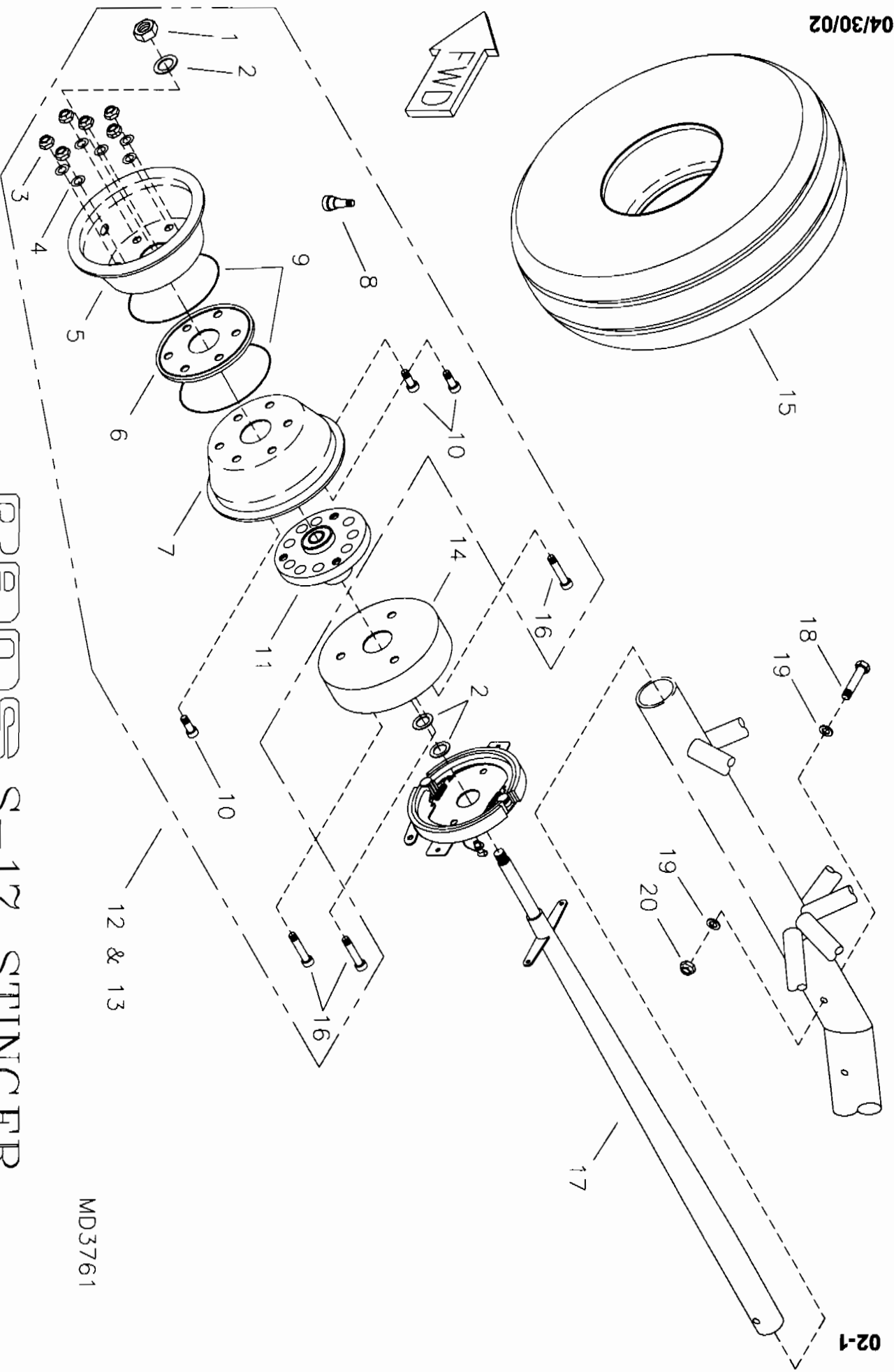
MD3858



S-17 Stinger - Seat & Restraint Installation

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	S-17 Seat Assembly	KAST0023	1
2.	S-17 Hooker Harness	KSST0014	1
3.	3/16" Bolt	AN3-21A	2
4.	1/4" Bolt	AN4-27A	1
5.	1/4" Thick Washer	AN960-416	12
6.	1/4" Shear Nut	AN364-428A	3
7.	1/4" Bolt	AN4-12A	2
8.	Seat Bottom Cover	BPST0022	1
9.	Seat Bottom Foam	BPST0021	1
10.	3/16" Shear Nut	AN364-1032A	6
11.	1/4" Quick Pin	PIN 1/4X1.2	2
12.	Seat Attach Angle	KPST0051	2
13.	3/16" Bolt	AN3-6A	2
14.	3/16" Thin Washer	AN960-10L	4
15.	Flute Tube	KPST0052	2
16.	3/16" Bolt	AN3-14A	2
17.	3/16" Steel Rivet	SSPQ-68	2

RRRONG S-17 STINGER MAIN GEAR LEG & WHEEL ASSEMBLY & INSTALLATION



MD3761

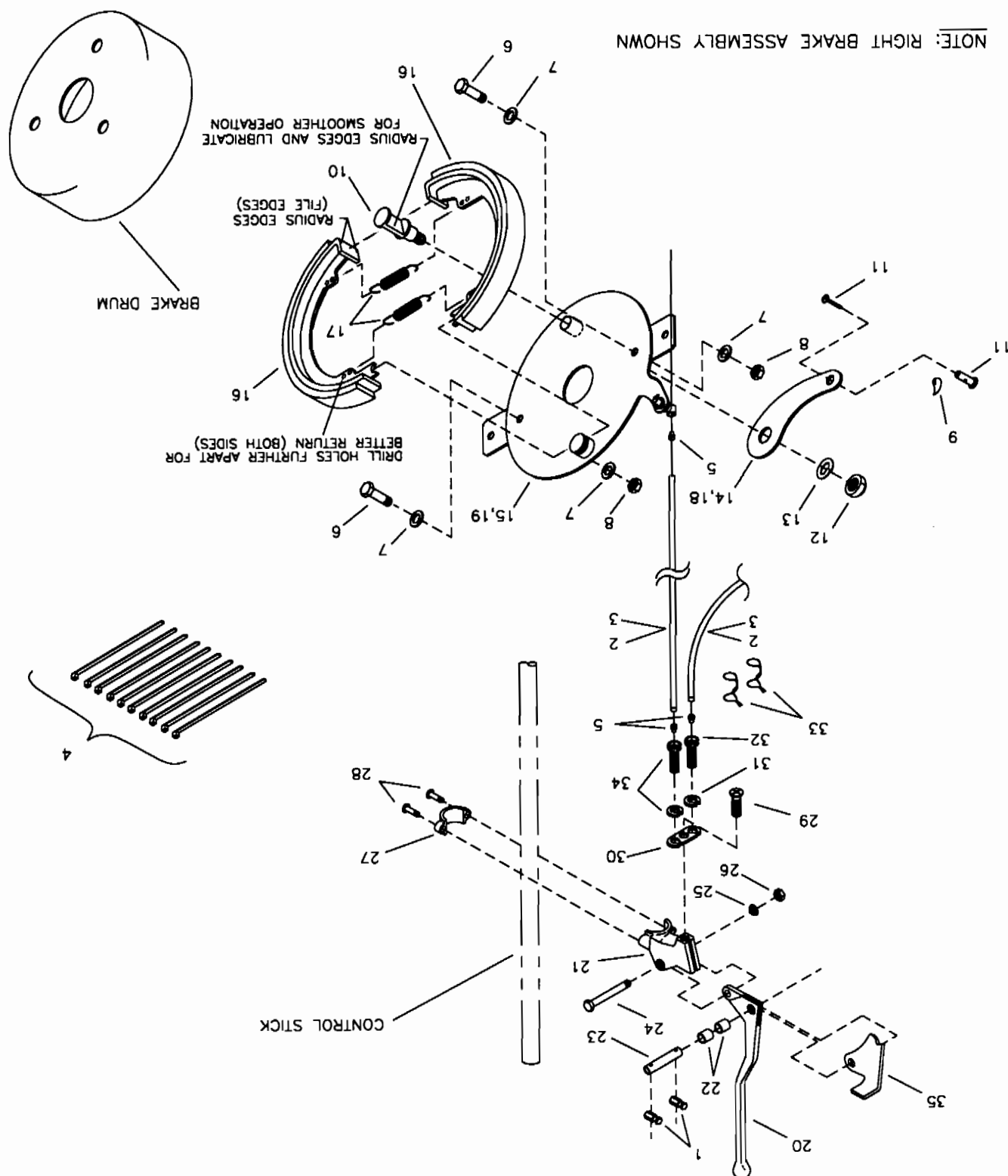
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/8" Loc Nut	5/8 LOC NUT	2
2.	5/8" Shim	5/8 SHIM	8
3.	Nut *	LG-MW-HUB-7	12
4.	Washer *	LG-MW-HUB-6	12
5.	Outside Rim *	LG-MW-RIM-2	2
6.	Seal Plate *	LG-MW-HUB-5	2
7.	Inside Rim *	LG-MW-RIM-1	2
8.	Valve Stem *	LG-MW-HUB-8	2
9.	O Ring *	LG-MW-HUB-4	4
10.	Socket Head Cap Screw, 1" *	LG-MW-HUB-2	6
11.	Wheel Hub *	LG-MW-HUB-3	2
12.	6" Hegar Main Gear Rim Kit	LG-MW-RIM	2
13.	6" Hegar Main Gear Hub Kit	LG-MW-HUB	2
14.	4 1/2" Brake Drum (LH/RH)	2211	2
15.	6" Tire (STD)	LG-T	2
16.	Socket Head Cap Screw, 1 3/4" *	LG-MW-HUB-1	6
17.	S-17 Gear Leg	KPMG0151	2
18.	1/4" Bolt	AN4-17A	2
19.	1/4" Thick Washer	AN960-416	4
20.	1/4" Shear Nut	AN364-428A	2

*Supplied with Main Gear Hub Kit.

**Supplied with Main Gear Rim Kit.

RAMS S-17 STINGER BRAKE SYSTEM ASSEMBLY

MD3786



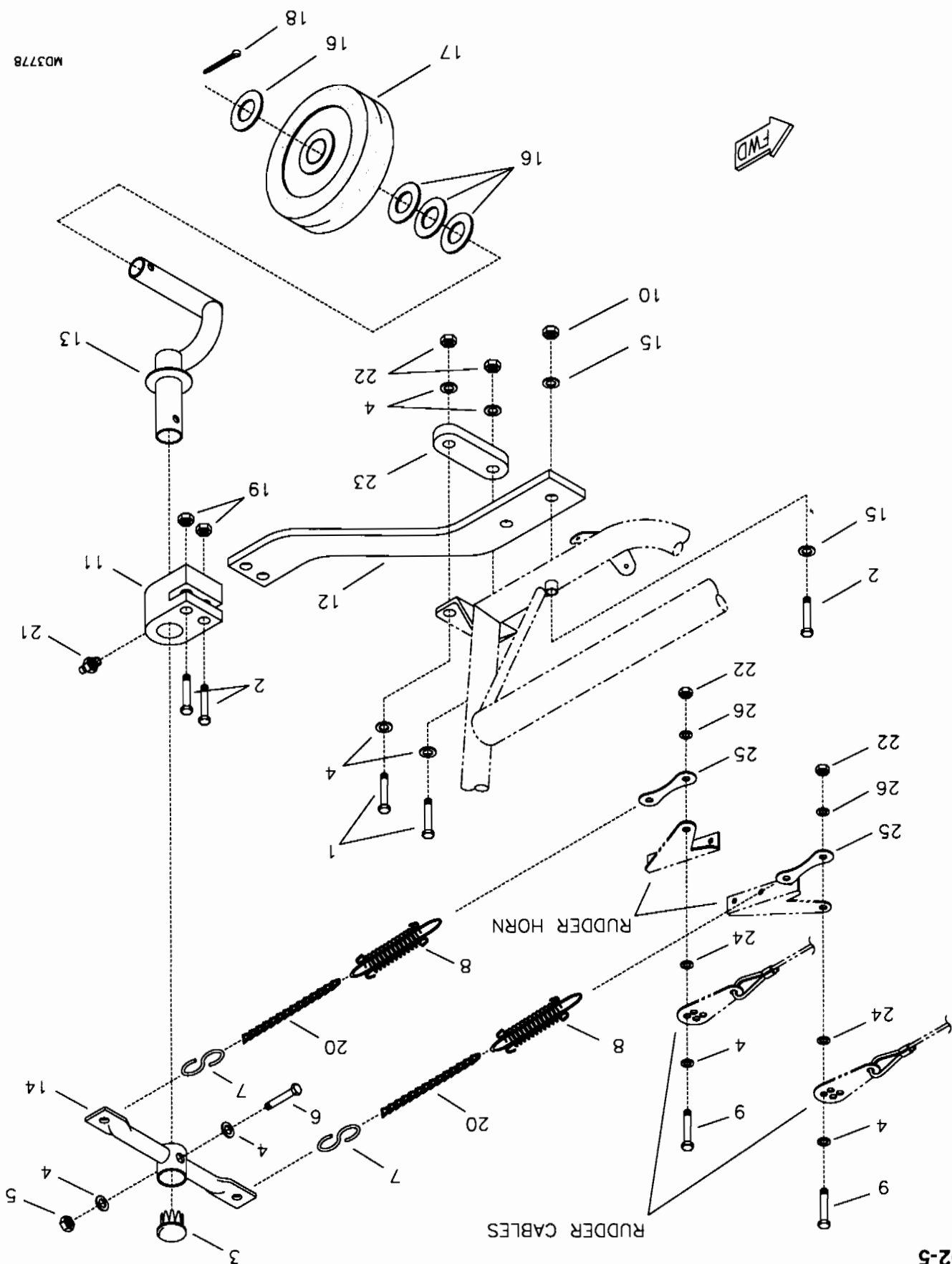
S-17 Stinger - Brake System Assembly

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Wire Stop/Screw	2360	2
2.	Brake Cable Housing, 80"	B-CH	2
3.	Brake Wire **	TR-PW	12 ft
4.	Long Black Nylon Ties	LG-N-TIE	6
5.	Cable Conduit Ferrule End Cap	80-0002-01	4
6.	3/16" Bolt	AN3-5A	4
7.	3/16" Thick Washer	AN960-10	8
8.	3/16" Shear Nut	AN364-1032A	4
9.	Loctite Blue	LOC-TITE	0
10.	Cam Bolt	2269-7	2
11.	Wire Swivel/Screw Stop	2361	2
12.	Brake Nut	2269-1	2
13.	Loc Washer	2269-2	2
14.	Cam Arm - LH	KPBS0028-L	1
15.	Assembly Plate - LH	2269-4	1
16.	Brake Pad	2269-5	4
17.	Spring	2269-6	4
18.	Cam Arm - RH	KPBS0028-R	1
19.	Assembly Plate - RH	2269-9	1
20.	Brake Lever	KSBS0009	1
21.	Brake Lever Bracket	KSBS0011	1
22.	Aluminum Bushing, 3/8" x .058 **	KAAC0032-2	0
23.	Wire Attach Rod	KPBS0011	1
24.	Bolt *	KSBS0011-1	1
25.	Loc Washer *	KSBS0011-2	1
26.	Nut *	KSBS0011-3	1
27.	Bracket Clamp *	KSBS0011-6	1
28.	Bolt *	KSBS0011-7	2
29.	Countersunk Socket Head Screw	KSHW0017	1
30.	Brake Cable Adjustment	KPBS0021	1
31.	Ferrule Nut *	KSBS0011-4	1
32.	Ferrule *	KSBS0011-5	1
33.	Safety Wire	SAFETY WIRE	0
34.	Cable Ferrule/Nut	KSBS0012	1
35.	Park Brake Tab	KPBS0027	1

*Supplied pre-assembled with KSBS0011.

**Builder must fabricate or cut to length from Raw Stock.

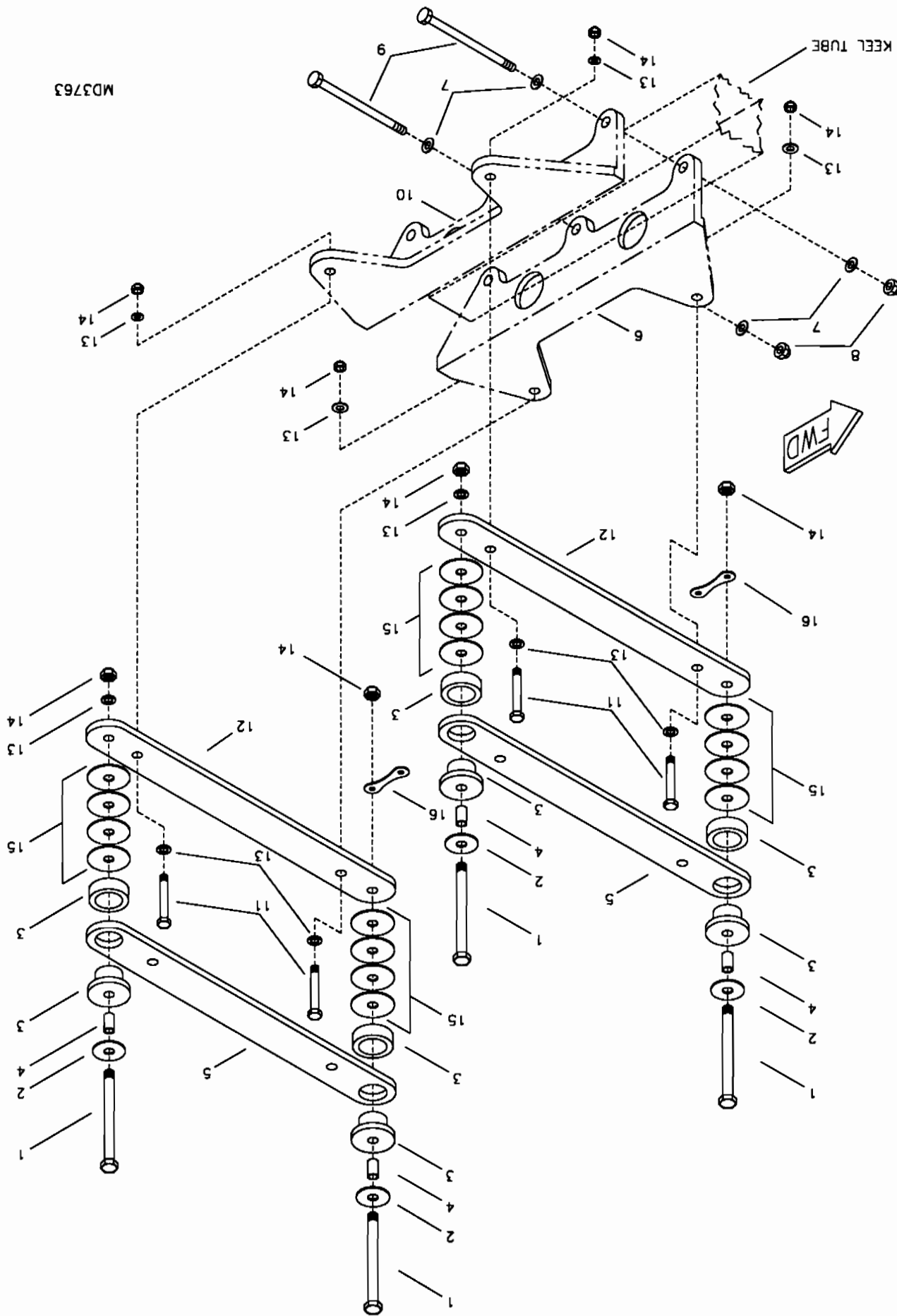
RANDS-17 STINGER TAILWHEEL ASSEMBLY



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-7A	2
2.	1/4" Bolt	AN4-17A	3
3.	Control Stick End Cap	CS-EC	1
4.	3/16" Thin Washer	AN960-10L	8
5.	3/16" Shear Nut	AN364-1032A	1
6.	3/16" Bolt	AN3-13A	1
7.	"S" Hook	TW-SHOOK	2
8.	Return Spring	TW-S-SPR	2
9.	3/16" Bolt	AN3-7A	2
10.	1/4" Tensile Nut	AN365-428A	1
11.	Tailwheel Swivel Stub	TW-SS	1
12.	Tail Spring	TW-TS(10)	1
13.	Fork	TW-F(10)	1
14.	Steer Horn	TW-SH(10)	1
15.	1/4" Thin Washer	AN960-416L	2
16.	5/8" Washer	TW-5/8W	4
17.	Tailwheel (Rubber with precision bearing)	TW-TW	1
18.	Large Cotter Pin	MS24665-285	1
19.	1/4" Shear Nut	AN364-428A	2
20.	Chain	TW-C	2
21.	Grease Fitting *	GREASE FITTING	0
22.	3/16" Tensile Nut	AN365-1032A	4
23.	Gear Strap	KPTG0036	1
24.	3/16" Thick Washer	AN960-10	2
25.	Hummertang	T12-HT6	2
26.	3/16" Large Washer	AN970-3	2

*Supplied with TW-SS.

RRMS S-17 STINGER FOCALIZED ENGINE MOUNT



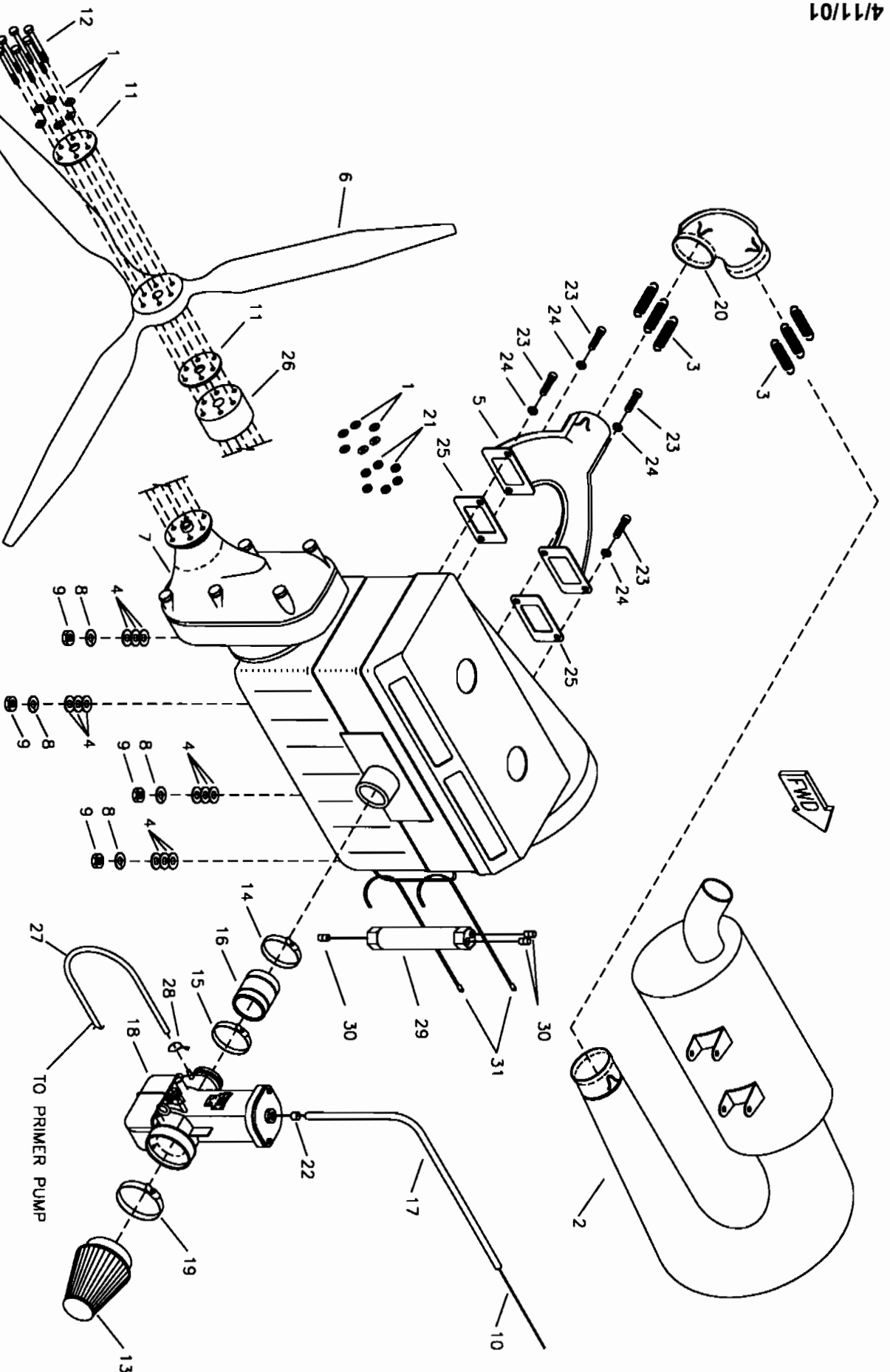
MD3763

S-17 Stinger - Engine Mount - Rotax 447, 503

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-25A	4
2.	1/4" Large Washer	AN970-4	4
3.	Barry Mount	22001	4
4.	Spacer Bushing, 3/8" x .058 x 1 1/4"	EG-B-3/8X1 1/4	4
5.	Engine Mount Plate - Upper	KPPW0151	2
6.	Mount Angle, RH	KPPW0150-R	1
7.	5/16" Thin Washer	AN960-516L	4
8.	5/16" Shear Nut	AN364-524A	2
9.	5/16" Bolt	AN5-31A	2
10.	Mount Angle, LH	KPPW0150-L	1
11.	1/4" Bolt	AN4-12A	4
12.	Engine Mount Plate - Lower	KPPW0152	2
13.	1/4" Thick Washer	AN960-416	10
14.	1/4" Tensile Nut	AN365-428A	8
15.	1/8" Aluminum Washer	EG-AW	16
16.	Hummertang	T12-HT6	2

447/503 ENGINE/PROP/MUFFLER

MD3764



S-17 Stinger - Engine - Rotax 447, 503

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Thick Washer	AN960-516	12
2.	Muffler, 447 & 503	KSEX0006	1
3.	Muffler Springs, 447 & 503	EG-MUFF-SPRINGS	6
4.	7/16" Thick Washer	AN960-716	12
5.	Exhaust Manifold, 447	KSEX0014	1
5.	Exhaust Manifold, 503	KSEX0008	1
6.	Propeller	KSPW0056	1
7.	Rotax 447 Engine	EG-EG-447	1
7.	Rotax 503 Engine	EG-EG-503	1
8.	Engine Loc Washer *	----	0
9.	Nut *	----	0
10.	Throttle Cable, 10', 447 & 503SC & 503DC	EG-T-CAB	1
11.	Prop Plate ****	----	0
12.	8mm x 120mm Bolt	M8X120 BOLT	6
13.	Air Filter, K & N, 447 & 503SC	EG-AF	1
13.	Air Filter, K & N, 503DC	EG-AF	2
14.	Carb Clamp *	----	0
15.	Carb Clamp *	----	0
16.	Carb Boot *	----	0
17.	Cable Housing, 9', 447 & 503SC	EG-T-CAB-H	1
17.	Cable Housing, 9', 503DC	EG-T-CAB-H	1
18.	Bing Carburetor *	----	0
19.	Air Filter Clamp **	----	0
20.	Muffler Elbow, 447 & 503	KAEX0008	1
21.	8MM Nut	8MMX1.25 NUT	6
22.	Cable Ferrule Cap, 447 & 503SC	ENDCAP-12000	1
22.	Cable Ferrule Cap, 503DC	ENDCAP-12000	2
23.	10MM Shoulder Screw *	----	0
24.	10MM Loc Washer *	----	0
25.	Exhaust Gasket *	----	0
26.	2" IVO Prop Spacer	2-IVO-SP	1
27.	Single Primer Pump Kit, 447 & 503SC	SINGLE PRIMER(6)	1
27.	Dual Primer Pump Kit, 503DC	DUAL PRIMER(6)	1
28.	Safety Wire	SAFETY WIRE	0
29.	Throttle Splitter, Dual Carb, 503DC	KAPW0004	1
30.	Stepped Ferrule ***	----	0
31.	Zip Ties	ZIP TIES	2

*Supplied with Engine.

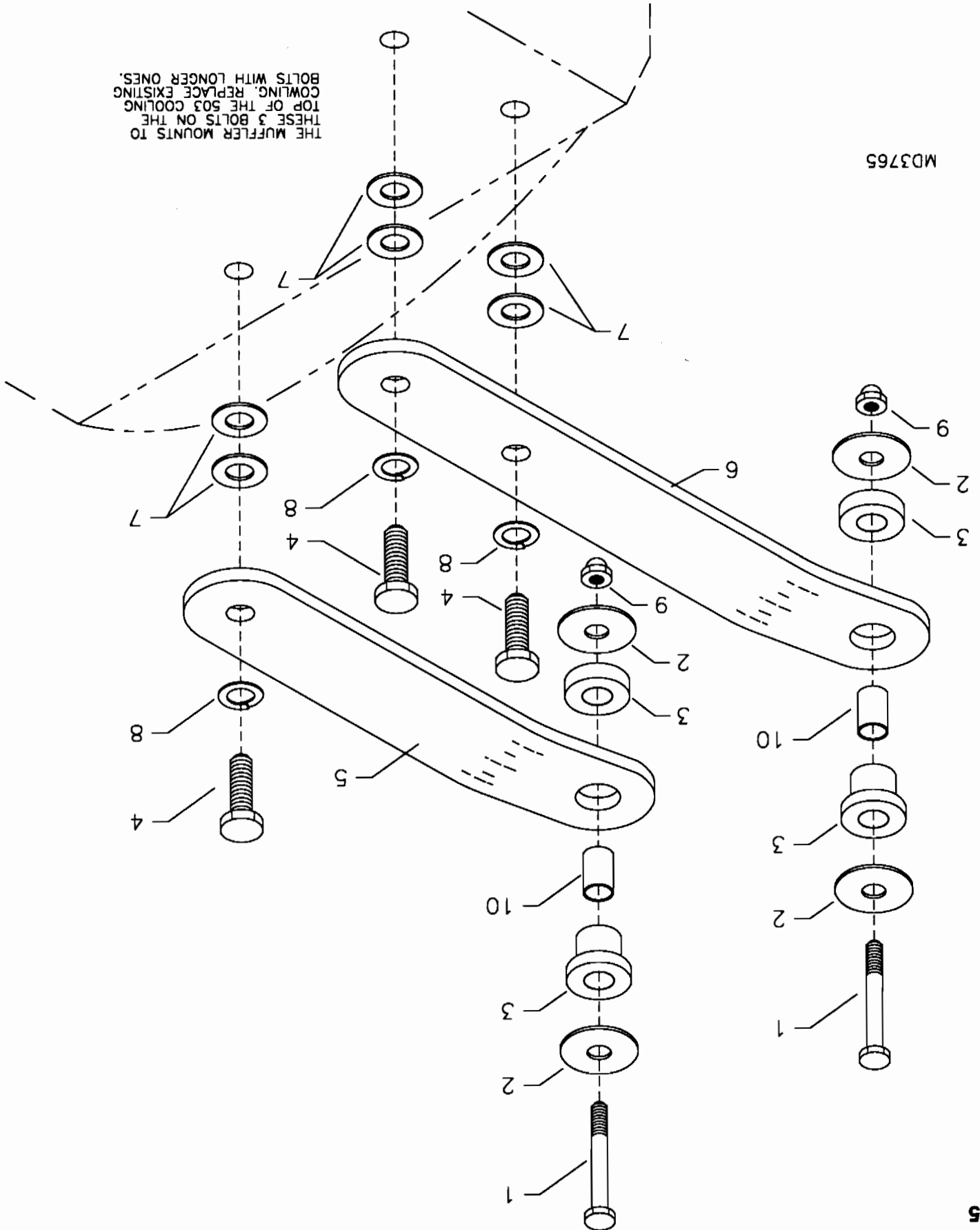
****Supplied with Prop.

**Supplied with Filter.

***Supplied with Throttle Splitter.

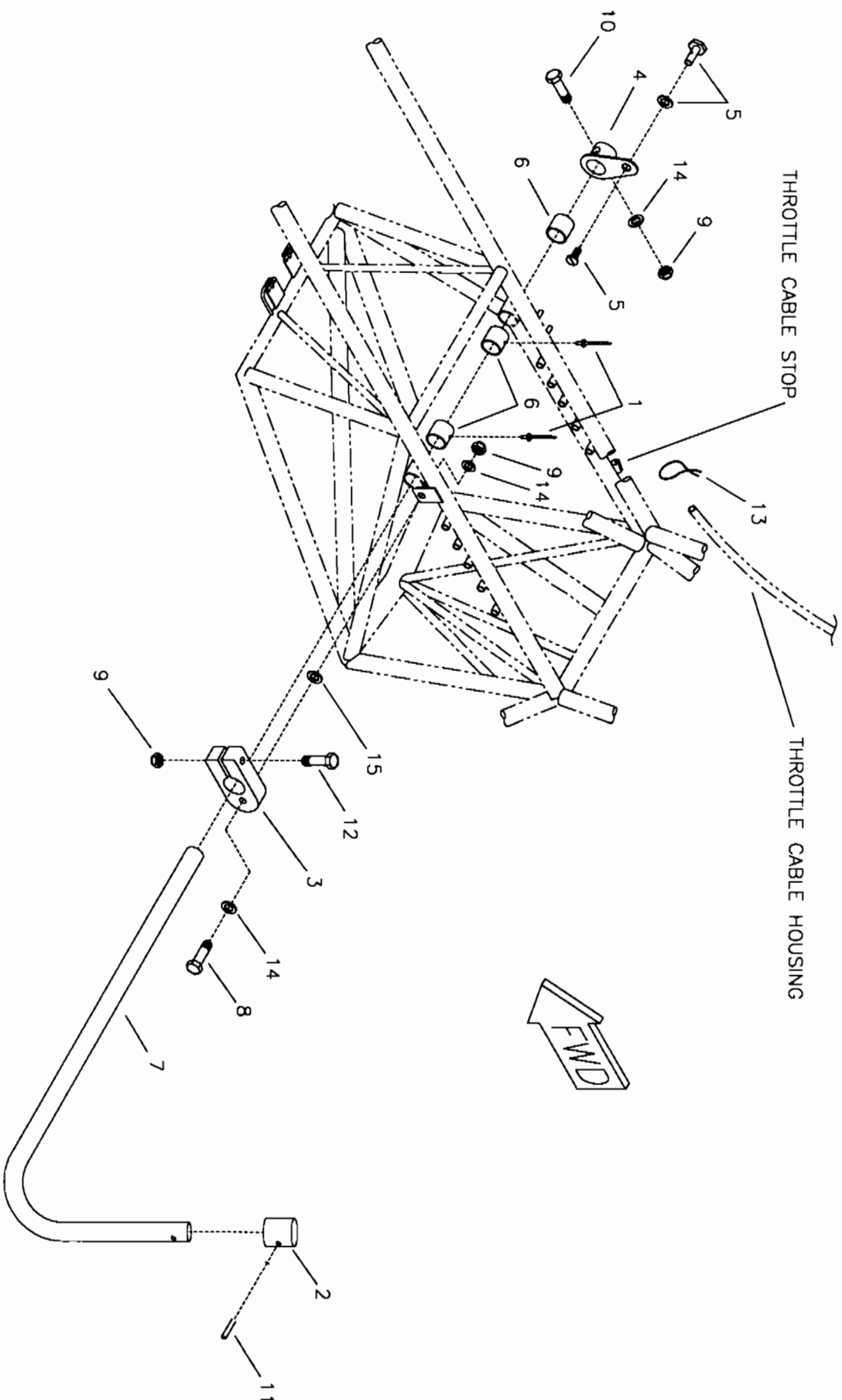
RRMS S-17 STINGER 447/503 MUFFLER MOUNT

MD3765



S-17 Stinger - Muffler Mount - Rotax 447, 503

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-20A	2
2.	1/8" Aluminum Washer	EG-AW	4
3.	Barry Mount	22001	2
4.	8MM x 30MM Bolt	M8X30 BOLT	3
5.	FWD Mount Plate	EG-FMP(12/14)	1
6.	AFT Mount Plate	EG-AMP(12/14)	1
7.	5/16" Thick Washer	AN960-516	6
8.	5/16" Loc Washer	AN935-516	3
9.	1/4" Shear Nut	AN364-428A	2
10.	Spacer Bushing, 3/8" x .058 x 1 1/4"	EG-B-3/8X1 1/4	2



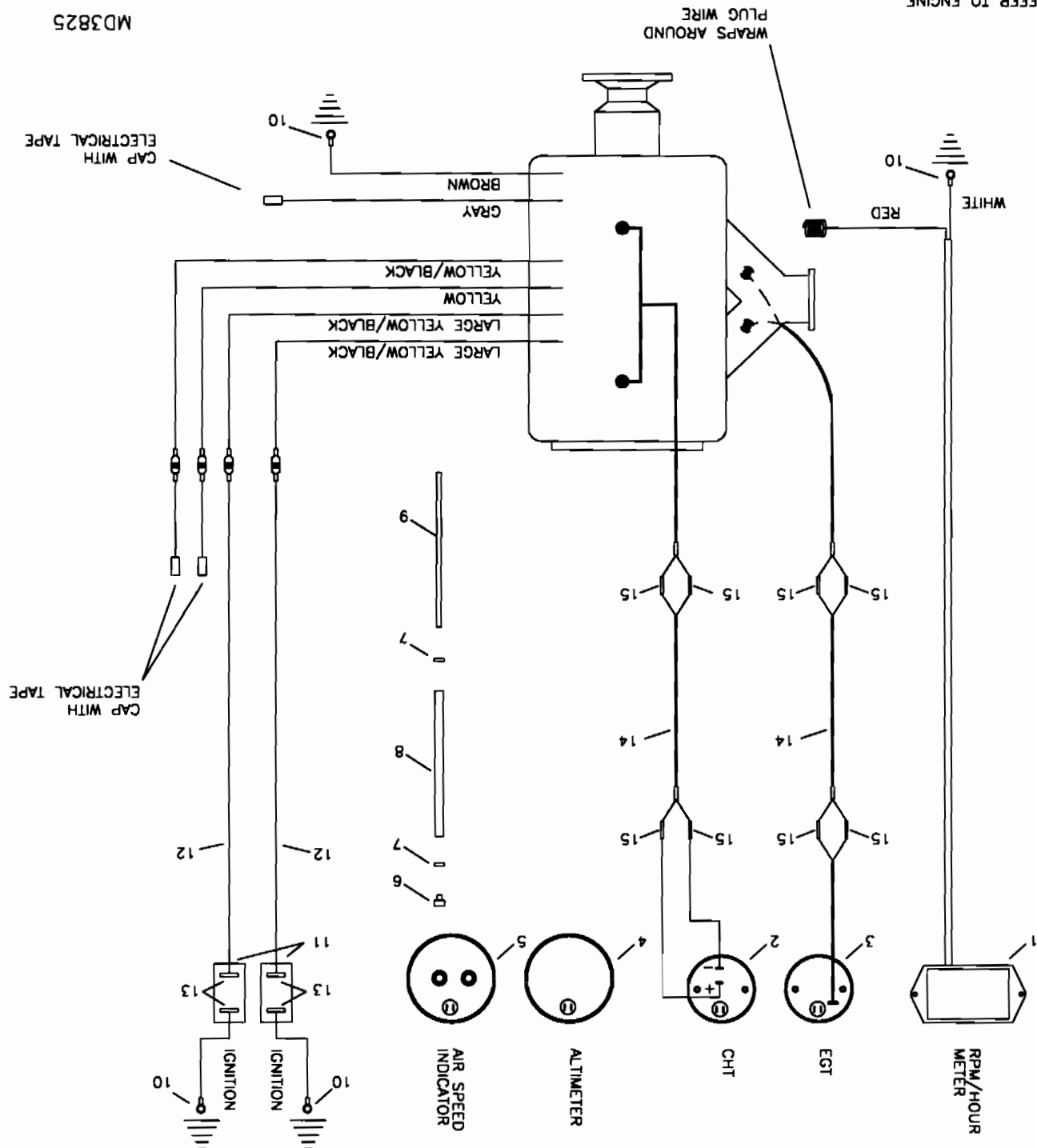
RRM S-17 STINGER **THROTTLE LEVER INSTALLATION**

S-17 Stinger - Throttle Lever Installation

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	2
2.	Throttle Lever Knob	KPCS0194	1
3.	Throttle Lever Friction Block	KPCS0143	1
4.	Throttle Cable Attach Tab	KPCS0151	1
5.	Wire Swivel/Screw Stop	2361	1
6.	Throttle Lever Stop Ring	KPCS0144	3
7.	Throttle Lever	KPCS0142	1
8.	3/16" Bolt	AN3-10A	1
9.	3/16" Shear Nut	AN364-1032A	3
10.	3/16" Bolt	AN3-11A	1
11.	1/8" Roll Pin, 1"	20032446	1
12.	3/16" Bolt	AN3-12A	1
13.	Safety Wire	SAFETY WIRE	0
14.	3/16" Thin Washer	AN960-10L	3
15.	3/16" Thick Washer	AN960-10	1

RRMS S-17 STINGER ELECTRICAL & INSTRUMENTS

REFER TO ENGINE
MANUAL FOR INSTALLATION
INSTRUCTIONS FOR
ELECTRIC START VERSION.



S-17 Stinger - Electrical & Instruments - Without Electric Start

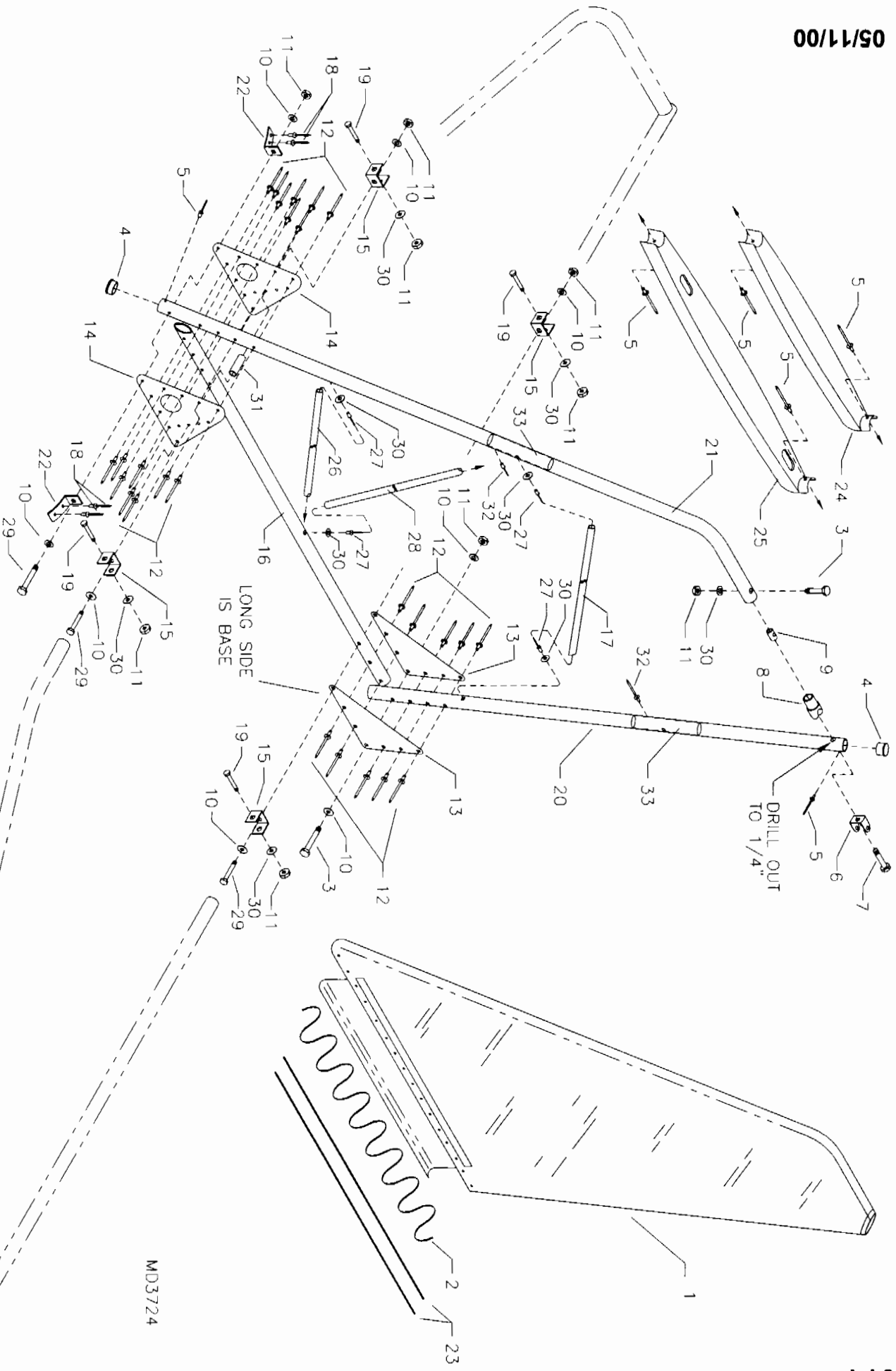
PAGE 03-10

NOTE: Gauges may vary, consult directions provided with gauge for wiring diagram.

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	RPM/Hour Meter	KSIP0008	1
2.	Dual Cylinder Head Temperature Gauge	KSPW0012	1
3.	Exhaust Gas Temperature Gauge *	KSPW0008	0
3.	Dual Exhaust Gas Temperature Gauge *	KSPW0009	0
4.	Altimeter *	KSAV0001	0
5.	Air Speed Indicator, 0-120	KSAV0004	1
6.	Straight Withdrawal Fitting	8330	1
7.	Line Clamp, 3/8"	FS-LCL 3/8	2
8.	1/4" Blue Pitot/Static Line	FS-FL	30 in
9.	Pitot Tube	W-ASI-P	1
10.	14 Gauge Eye Terminal, Blue 3/16"	IP-7102	4
11.	Ignition Switch	MS35058-22	2
12.	14 Gauge Black Wire	14 GA WIRE/BLACK	12 ft
13.	14 Gauge Eye Terminal, Blue, 5/32"	KSES0003	4
14.	4-Plex Wire	538260	9 ft
14.	4-Plex Wire (Optional EGT)	538260	9 ft
15.	14 Gauge Splice (Optional EGT)	IP-7132	4 ft
15.	14 Gauge Splice	IP-7132	8 ft

*Optional.

12/18/2001



R300S-17 STINGER VERTICAL STABILIZER ASSEMBLY

MD3724

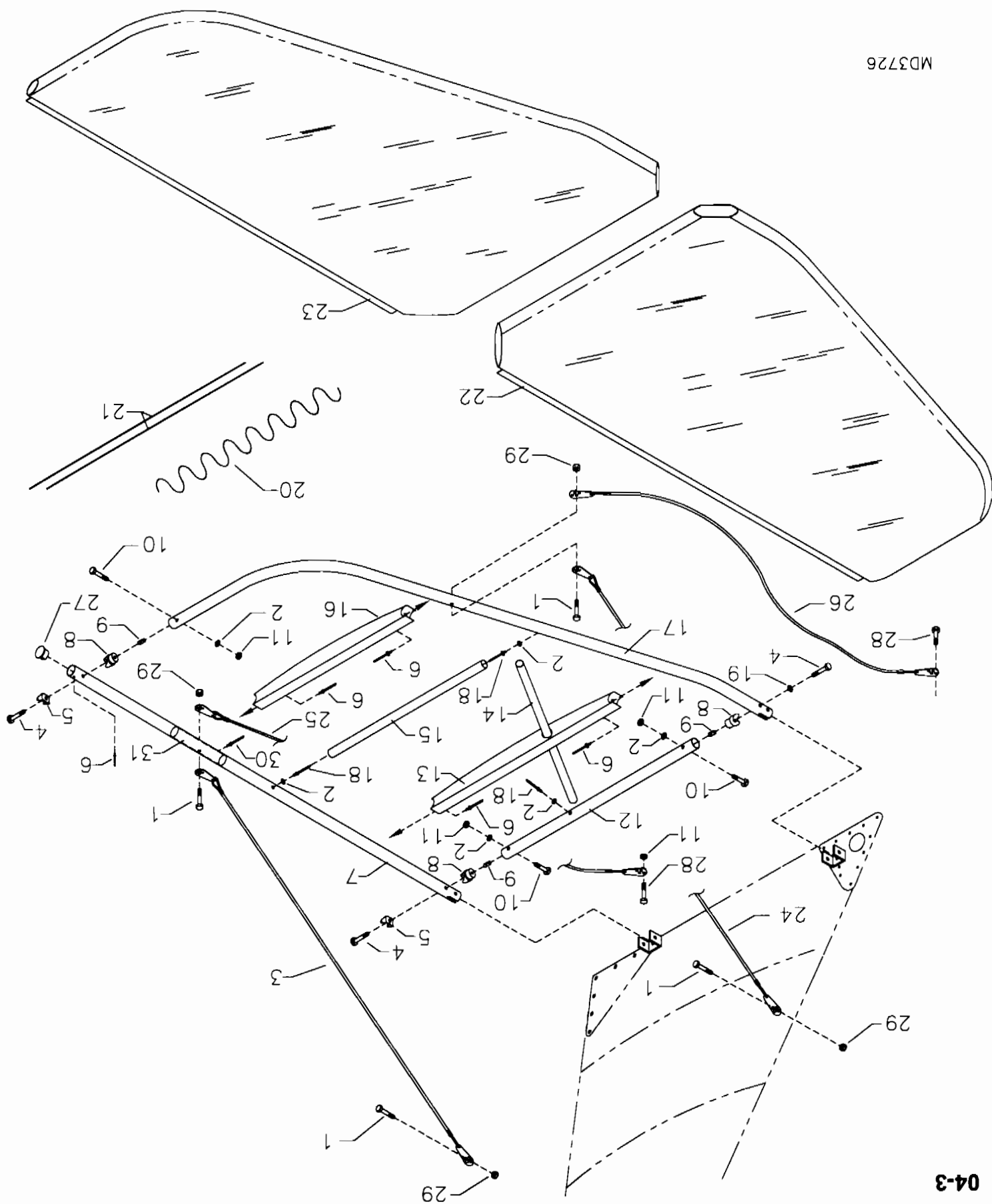
S-17 Stinger - Vertical Stabilizer Assembly

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Vertical Stabilizer Skin	KPCV0030	1
2.	1/8" Lacing Rope	TG-ROPE	1 ft
3.	3/16" Bolt	AN3-13A	2
4.	1" End Cap	1 CAP	2
5.	3/32" Aluminum Pop Rivet	40APR1/8	6
6.	Stainless Steel Hinge	W-HB	1
7.	1/4" Bolt	AN4-15A	1
8.	1" Compression Tube Fitting	TC-1	1
9.	3/16" Insert Nut	I-NUT	1
10.	3/16" Thin Washer	AN960-10L	8
11.	3/16" Shear Nut	AN364-1032A	9
12.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	26
13.	AFT Gusset, Vertical Stabilizer	KPVS0045	2
14.	FWD Gusset, Vertical Stabilizer	KPVS0046	2
15.	Horizontal Stabilizer Attach Bracket	S2-SAB	4
16.	Vertical Stabilizer Spreader Tube	KPVS0047	1
17.	Upper Brace *	KAAC0032-6	0
18.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	4
19.	3/16" Bolt	AN3-14A	4
20.	Vertical Stabilizer Spar	KPVS0049	1
21.	Vertical Stabilizer Leading Edge	KPVS0050	1
22.	Horizontal Stabilizer Boom Strap	TG-HSBS	2
23.	Lacing Wires, 36" x 1/8"	TG-LW	2
24.	Upper Rib	KPVS0009(14)	1
25.	Lower Rib	KPVS0010(14)	1
26.	Lower Brace *	KAAC0032-6	0
27.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
28.	Vertical Brace *	KAAC0032-6	0
29.	3/16" Bolt	AN3-16A	3
30.	3/16" Thick Washer	AN960-10	9
31.	Aluminum Bushing, 1/4" x .028 x 1 3/16" *	KAAC0032-5	0
32.	3/32" Aluminum Pop Rivet	40APR1/4	2
33.	Aluminum Doubler, 7/8" x .058 x 5" *	KAAC0032-1	0

*Builder must fabricate from Raw Stock.

RMS S-17 STINGER HORIZONTAL STABILIZER ASSEMBLY

MD3726



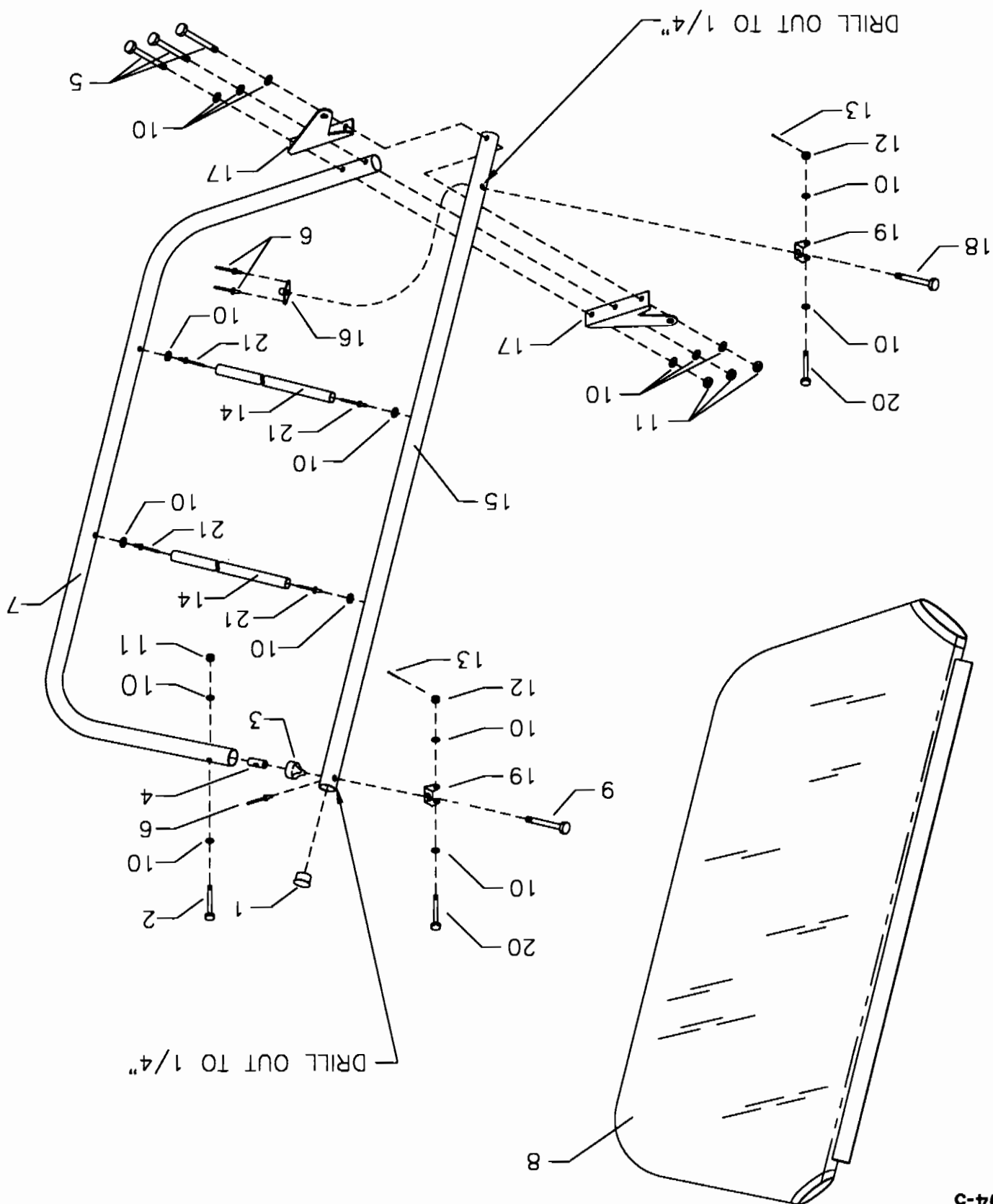
S-17 Stinger - Horizontal Stabilizer Assembly

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-14A	6
2.	3/16" Thick Washer	AN960-10	12
3.	Top AFT Cable	TG-TAC(14)	2
4.	1/4" Bolt	AN4-15A	6
5.	Stainless Steel Hinge	W-HB	4
6.	3/32" Aluminum Pop Rivet	40APR1/8	10
7.	Horizontal Stabilizer Spar	KPHS0034	2
8.	1" Compression Tube Fitting	TC-1	6
9.	3/16" Insert Nut	I-NUT	6
10.	3/16" Bolt	AN3-13A	6
11.	3/16" Shear Nut	AN364-1032A	7
12.	Horizontal Stabilizer Spreader Tube	TG-HSST-15	2
13.	Inboard Rib, LH	KPHS0005-L(14)	1
13.	Inboard Rib, RH	KPHS0005-R(14)	1
14.	Diagonal Brace *	KAAC0032-6	0
15.	Outer Brace *	KAAC0032-6	0
16.	Outer Rib, LH	KPHS0006-L(14)	1
16.	Outer Rib, RH	KPHS0006-R(14)	1
17.	Horizontal Stabilizer Leading Edge	TG-HSLE-15	2
18.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	6
19.	1/4" Thick Washer	AN960-416	2
20.	1/8" Lacing Rope	TG-ROPE	24 ft
21.	Lacing Wires, 36" x 1/8"	TG-LW	4
22.	Horizontal Stabilizer Skin, RH	TG-HSSKIN-R-15	1
23.	Horizontal Stabilizer Skin, LH	TG-HSSKIN-L-15	1
24.	Top Forward Cable	KAHS0023	2
25.	Lower AFT Cable	KAHS0021	2
26.	Lower Forward Cable	KAHS0022	2
27.	1" End Cap	1 CAP	2
28.	3/16" Bolt	AN3-4A	2
29.	3/16" Tensile Nut	AN365-1032A	6
30.	3/32" Aluminum Pop Rivet	40APR1/4	2
31.	Aluminum Doubler, 7/8" x .058 x 5" *	KAAC0032-1	0

*Builder must fabricate from Raw Stock.

RMS S-17 STINGER RUDDER ASSEMBLY

MD3750



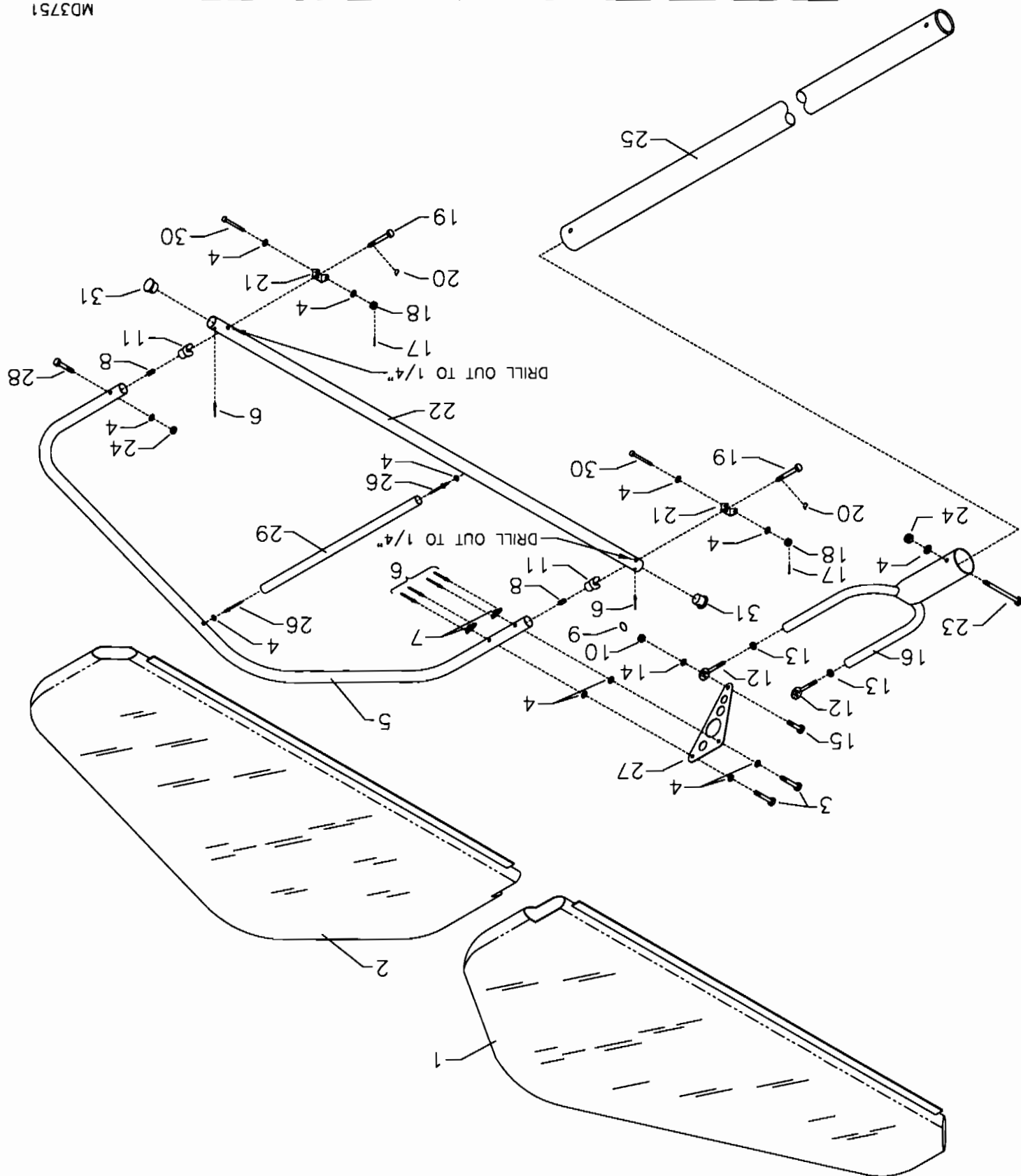
S-17 Stinger - Rudder Assembly

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1" End Cap	1 CAP	1
2.	3/16" Bolt	AN3-13A	1
3.	1" Compression Tube Fitting	TC-1	1
4.	3/16" Insert Nut	I-NUT	1
5.	3/16" Bolt	AN3-15A	3
6.	3/32" Aluminum Pop Rivet	40APR1/8	3
7.	Rudder Trailing Edge	TG-RTE(14)	1
8.	Rudder Skin	TG-RSKIN-14	1
9.	1/4" Bolt	AN4-15A	1
10.	3/16" Thick Washer	AN960-10	16
11.	3/16" Shear Nut	AN364-1032A	4
12.	3/16" Castle Nut	AN310-3	2
13.	Small Cotter Pin	MS24665-134	2
14.	Rudder Brace *	KAAC0032-6	0
15.	Rudder Spar	TG-RS(14)	1
16.	1/4" Nut Plate	MS21047-04	1
17.	Rudder Horn, LH	TG-RHL	1
17.	Rudder Horn, RH	TG-RHR	1
18.	1/4" Bolt	AN4-13A	1
19.	Stainless Steel Hinge	W-HB	2
20.	3/16" Bolt	AN3-15	2
21.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4

*Builder must fabricate from Raw Stock.

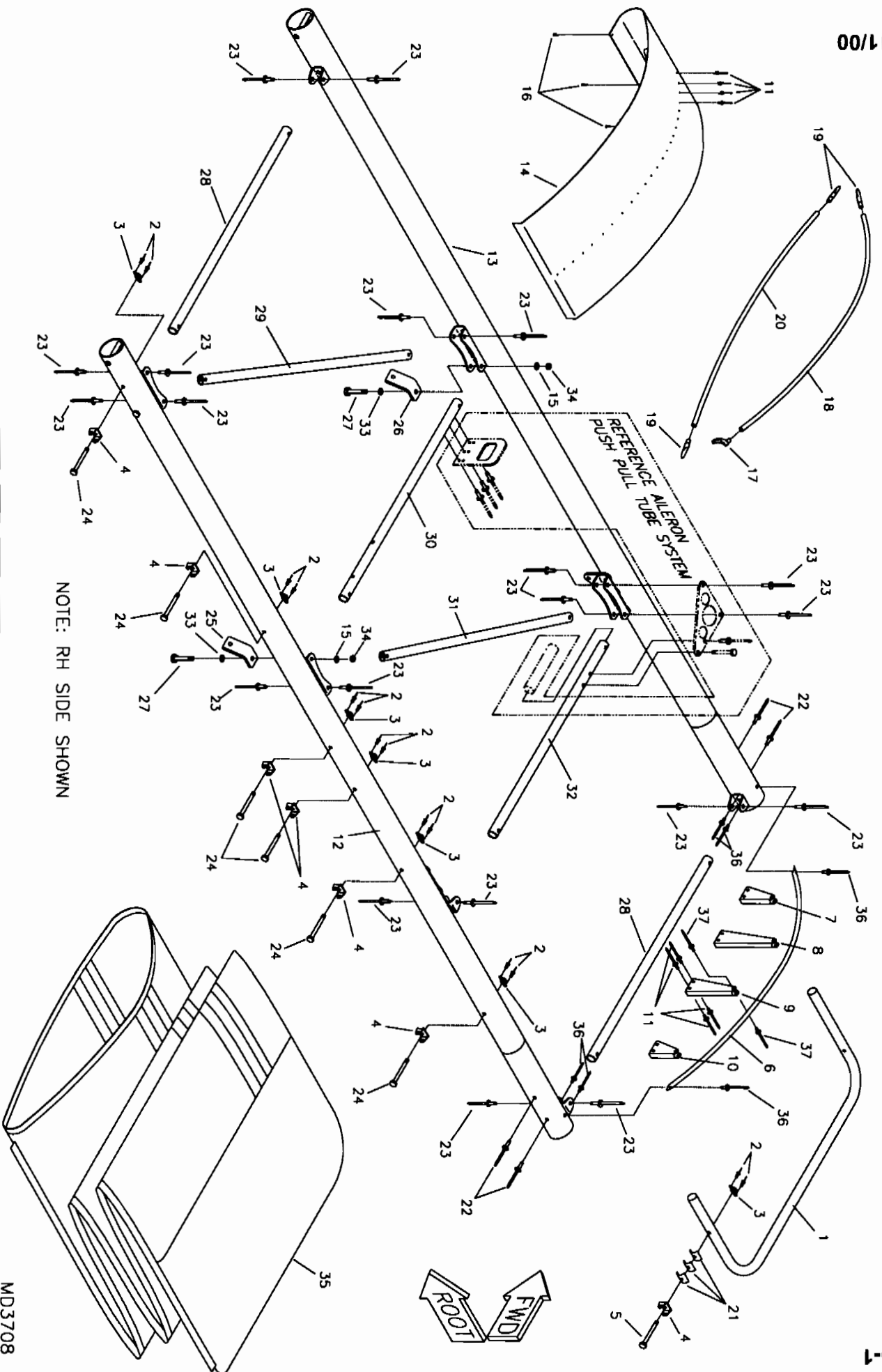
RRMS S-17 STINGER ELEVATOR ASSEMBLY

MD3751



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Elevator Skin, LH	TG-ES-L	1
2.	Elevator Skin, RH	TG-ES-R	1
3.	3/16" Bolt	AN3-14A	4
4.	3/16" Thick Washer	AN960-10	23
5.	Elevator Trailing Edge	TG-ETE	2
6.	3/32" Aluminum Pop Rivet	40APR1/8	12
7.	3/16" Nut Plate	K-1000-3	4
8.	3/16" Insert Nut	I-NUT	4
9.	Loc Ring	RL 27 5/16	2
10.	1/4" Castle Nut	AN310-4	2
11.	1" Compression Tube Fitting	TC-1	4
12.	Male Rod End, 1/4" x 1/4"	NM-4	2
13.	1/4" Plain Nut	AN345-416	2
14.	1/4" Plastic Washer	PW-4	2
15.	1/4" Bolt	AN4-7	2
16.	Elevator Yoke	TG-EY(14)	1
17.	Small Cotter Pin	MS24665-134	4
18.	3/16" Castle Nut	AN310-3	4
19.	1/4" Bolt	AN4-15A	4
20.	Loctite Blue	LOC-TITE	0
21.	Stainless Steel Hinge	W-HB	4
22.	Elevator Spar	TG-ESPAR	2
23.	3/16" Bolt	AN3-14A	1
24.	3/16" Shear Nut	AN364-1032A	3
25.	Elevator Push Pull Tube	KPCS0146	1
26.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
27.	Elevator Horn	TG-EH-A	2
28.	3/16" Bolt	AN3-13A	2
29.	Elevator Brace *	KAAC0032-6	0
30.	3/16" Bolt	AN3-15	4
31.	1" End Cap	1 CAP	4

*Builder must fabricate from Raw Stock.



S-17 STINGER WING FRAME AND COVERING

S-17 Stinger - Wing Frame and Covering

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Wing Tip Bow	W-TIP-143	2
2.	3/32" Aluminum Pop Rivet	40APR1/8	28
3.	3/16" Nut Plate	K-1000-3	14
4.	Stainless Steel Hinge	W-HB	14
5.	3/16" Bolt	AN3-13A	2
6.	Upper Rib - Root Rib	KPWI0242(4/5)	2
7.	Rib #1 - Tip Rib	KPWI0250	2
8.	Rib #2 - Tip Rib	KPWI0251	2
9.	Rib #3 - Tip Rib	KPWI0252	2
10.	Rib #4 - Tip Rib	KPWI0253	2
11.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	55
12.	Trailing Edge Spar Assembly, LH	KAWI0014-L	1
12.	Trailing Edge Spar Assembly, RH	KAWI0014-R	1
13.	Leading Edge Spar Assembly, LH	KAWI0013-L	1
13.	Leading Edge Spar Assembly, RH	KAWI0013-R	1
14.	S-17 Center Cover	KPCV0024	1
15.	3/16" Thin Washer	AN960-10L	4
16.	#6 Small Pan Head Screw	6RX1/2 PHS	3
17.	Contour Fitting	CON-2	14
18.	Top Rib	W-T-RIB-143	14
19.	Rib Tip	RIB-TIP	46
20.	Bottom Rib	W-BOT-RIB-143	16
21.	Shim	KPAC0110	6
22.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-62	8
23.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	40
24.	3/16" Bolt	AN3-21A	12
25.	Jury Strut Attach Tang, AFT	S5/6/12-W-ASTAT	2
26.	Jury Strut Attach Tang, FWD	S5/6/12-W-FSTAT	2
27.	3/16" Bolt	AN3-16A	4
28.	Compression Tube	W-IO-143	4
29.	Drag Brace	KPWI0245(4/5)	2
30.	Compression Tube	KPWI0246(4/5)	2
31.	Drag Brace #1	W-DB-1-143	2
32.	Compression Tube	KPWI0334	2
33.	3/16" Thick Washer	AN960-10	4
34.	3/16" Tensile Nut	AN365-1032A	4
35.	Wing Cover, LH	KPCV0031-L	1
35.	Wing Cover, RH	KPCV0031-R	1
36.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	12
37.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-41	16

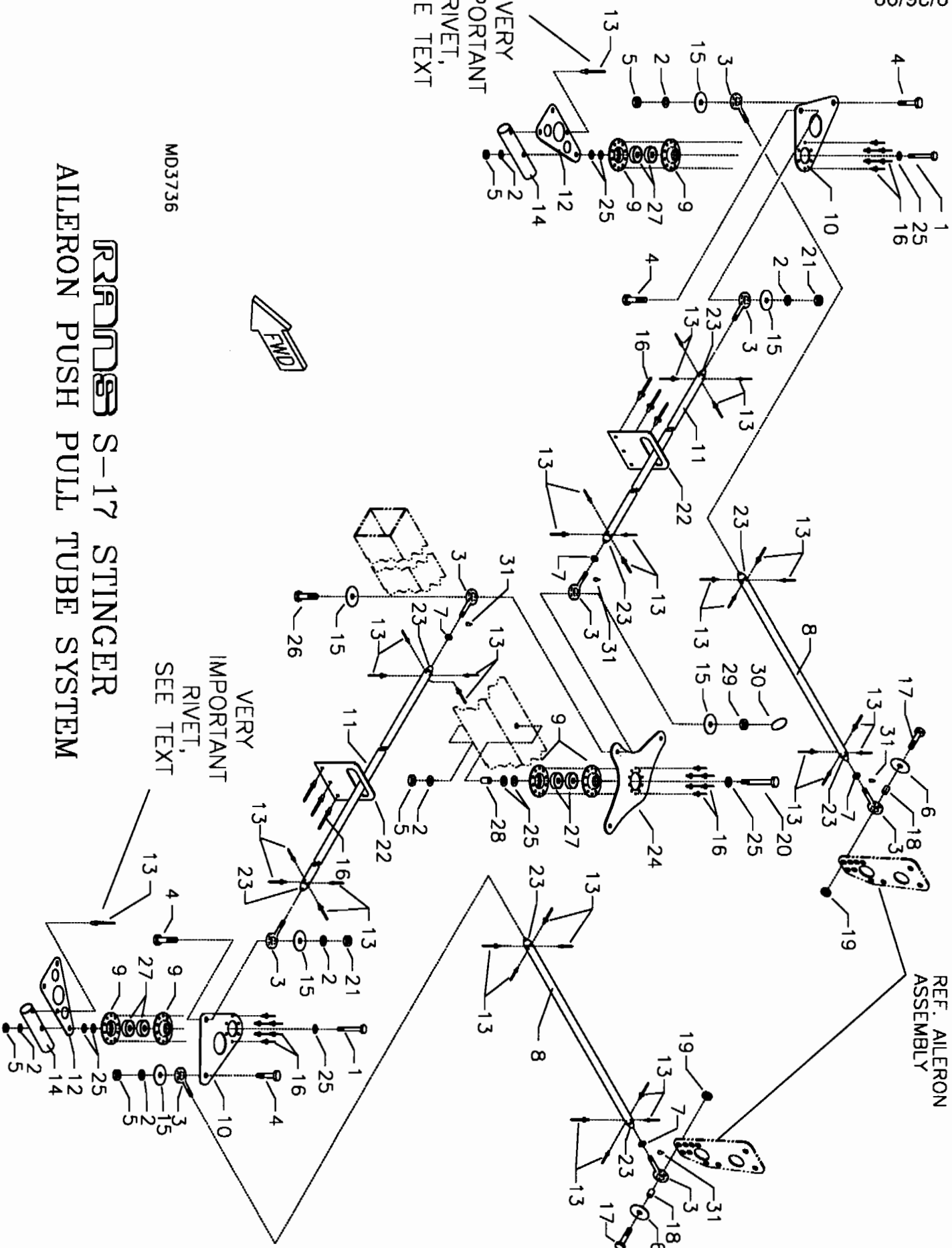
VERY
IMPORTANT
RIVET,
SEE TEXT



MD3736

REF. AILERON S-17 STINGER AILERON PUSH PULL TUBE SYSTEM

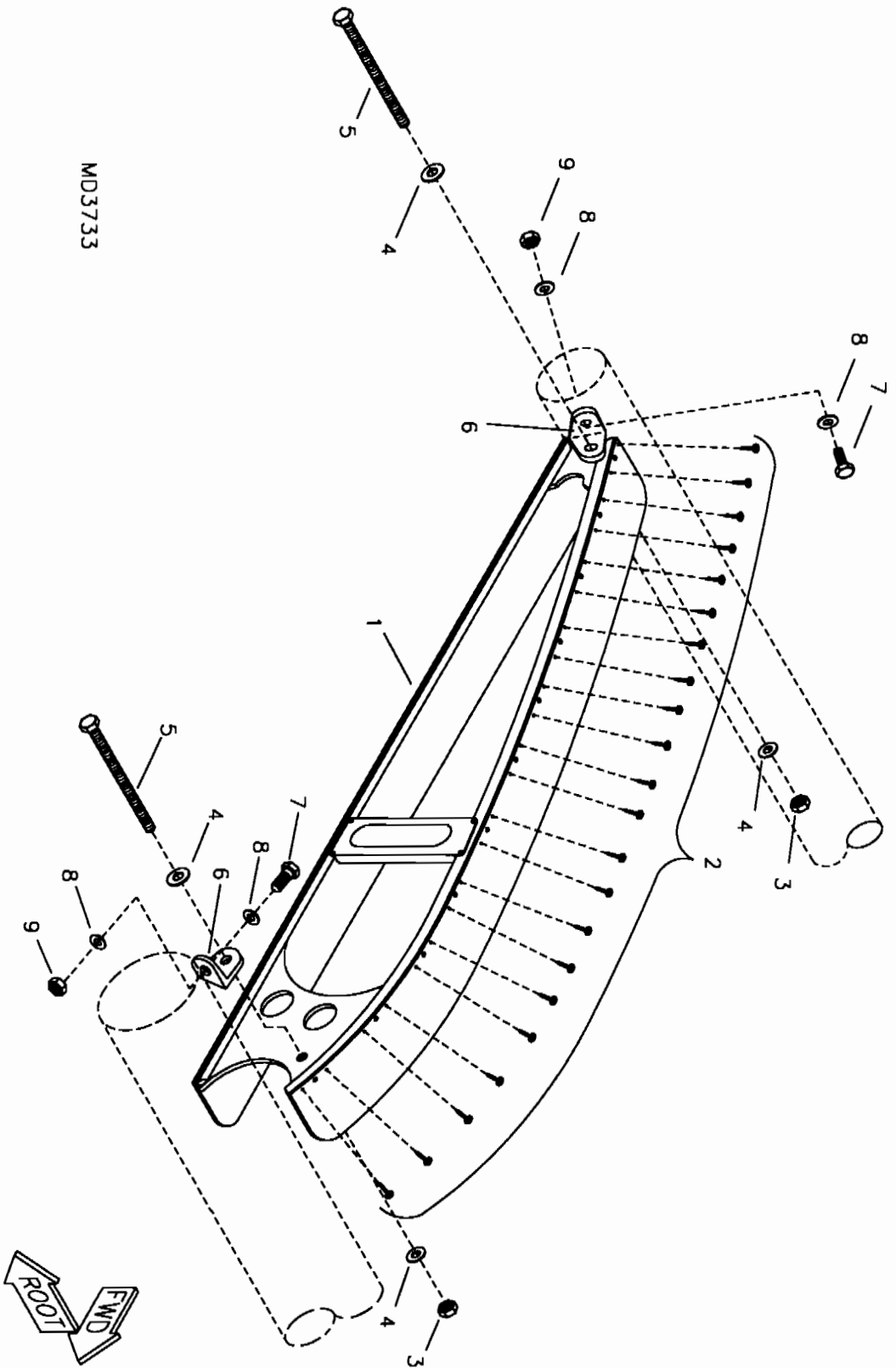
VERY
IMPORTANT
RIVET,
SEE TEXT



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-22A	2
2.	1/4" Thin Washer	AN960-416L	7
3.	Male Rod End 1/4" x 1/4"	NM-4	8
4.	1/4" Bolt	AN4-7A	4
5.	1/4" Shear Nut	AN364-428A	5
6.	3/16" Large Washer	AN970-3	2
7.	1/4" Plain Nut	AN345-416	4
8.	Aileron Push Pull Tube - Bellcrank/Aileron	KPCS0148	2
9.	Bearing Flange	BR-FLNG	6
10.	Bell Crank	AIL-2/1BC	2
11.	Aileron Push Pull Tube - Bellcrank/Control "T"	KPCS0149	2
12.	Bell Crank Gusset, LH	CS-BELGU-LH	1
12.	Bell Crank Gusset, RH	CS-BELGU-RH	1
13.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	34
14.	Compression Tube Doubler	CS-CTD	2
15.	1/4" Large Washer	AN970-4	6
16.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-44	24
17.	3/16" Bolt	AN3-7A	2
18.	Aluminum Bushing, 1/4" x .028 x 3/8" *	KAAC0032-5	0
19.	3/16" Shear Acorn Nut	22NKM02	2
20.	1/4" Bolt	AN4-37A	1
21.	1/4" Shear Acorn Nut	52NKTE-048	2
22.	Push Pull Tube Guide	KPCS0150	2
23.	Push Pull Tube End Fitting	CS-3/4PTEF	8
24.	Control Stick Tee	KPCS0188	1
25.	1/4" Thick Washer	AN960-416	9
26.	1/4" Bolt	AN4-13	1
27.	Bearing	SR4APP	6
28.	Stand Off, 3/4" x 3/4"	SO-3/4X3/4	1
29.	1/4" Castle Nut	AN310-4	1
30.	Loc Ring	RL 27 1/4	1
31.	Loctite Blue	LOC-TITE	0

*Builder must fabricate from Raw Stock.

5/10/2000

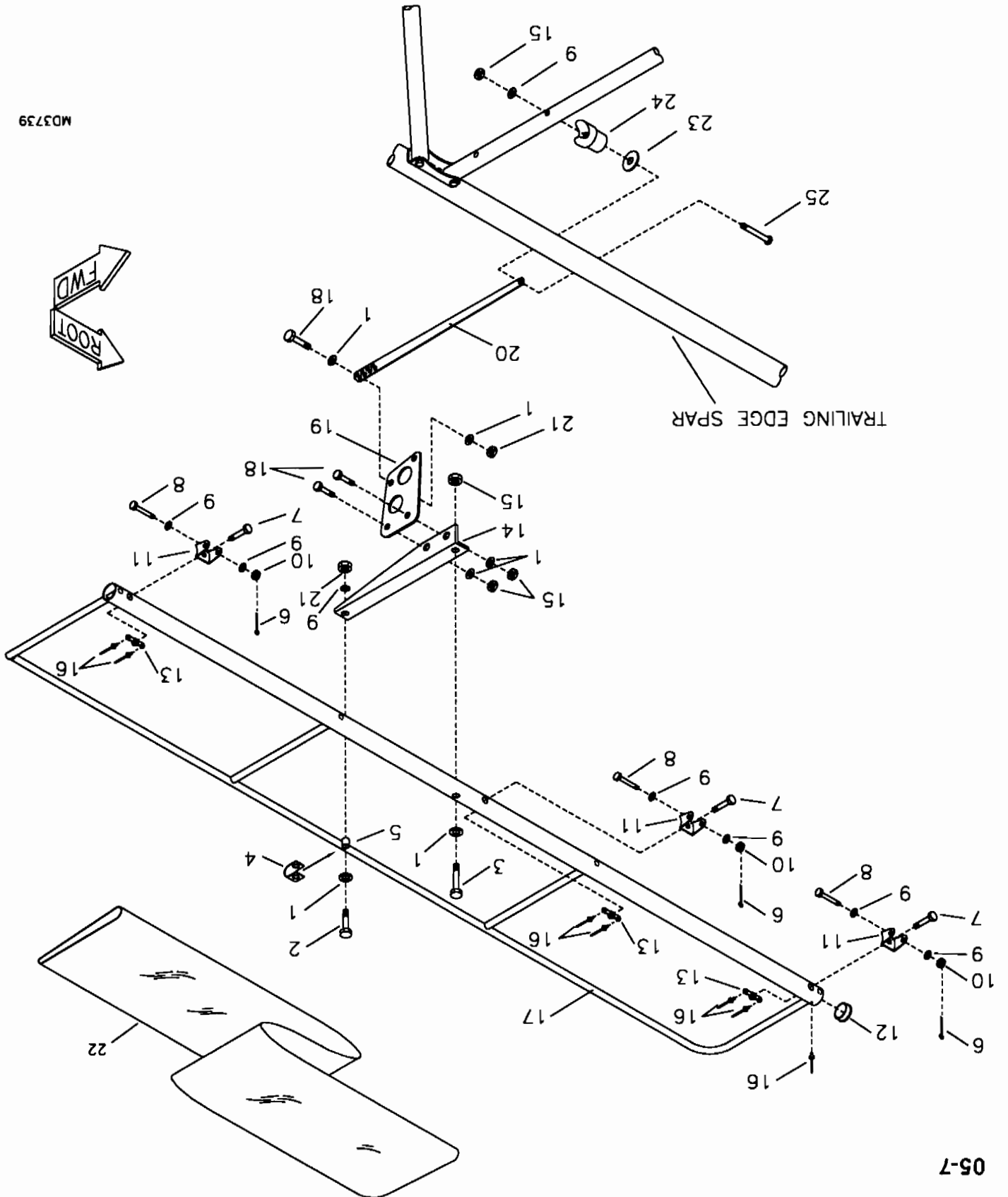


S-17 STINGER ROOT RIB TENSIONING SYSTEM

S-17 Stinger - Root Rib Tensioning System

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Root Rib - Wing, LH	KAWI0012-L	1
1.	Root Rib - Wing, RH	KAWI0012-R	1
2.	#8 Pan Head Screw	8X1/2 PHS	84
3.	1/4" Tensile Nut	AN365-428A	4
4.	1/4" Thin Washer	AN960-416L	8
5.	1/4" Bolt	KSHW0049	4
6.	"L" Bracket	KPWI0236	4
7.	3/16" Bolt	AN3-5A	4
8.	3/16" Thin Washer	AN960-10L	8
9.	3/16" Tensile Nut	AN365-1032A	4

RMS S-17 STINGER FIXED FLAP ASSEMBLY



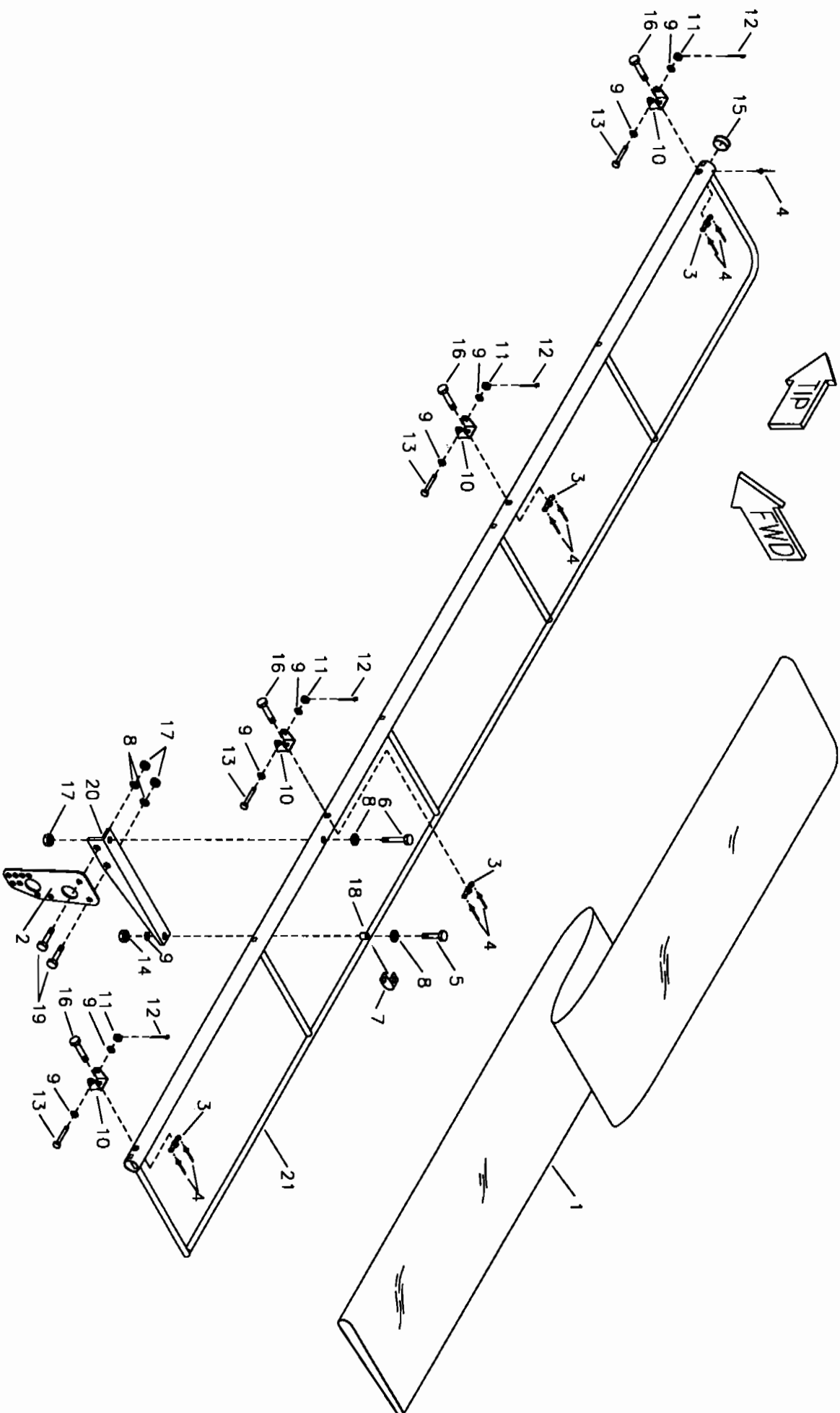
MD3739

S-17 Stinger - Fixed Flap Assembly

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Thin Washer	AN960-10L	12
2.	3/16" Bolt	AN3-10A	2
3.	3/16" Bolt	AN3-14A	2
4.	Aileron Clip	W-A-CLIP	2
5.	Aluminum Bushing, 1/4" x .028 x 1/2" *	KAAC0032-5	0
6.	Small Cotter Pin	MS24665-134	6
7.	3/16" Bolt	AN3-13A	6
8.	3/16" Bolt	AN3-15	6
9.	3/16" Thick Washer	AN960-10	16
10.	3/16" Castle Nut	AN310-3	6
11.	Stainless Steel Hinge	W-HB	6
12.	1" End Cap	1 CAP	2
13.	3/16" Nut Plate	K-1000-3	6
14.	Aileron/Flap Horn Attach Angle, LH	S6-W-AHAA-L	1
14.	Aileron/Flap Horn Attach Angle, RH	S6-W-AHAA-R	1
15.	3/16" Shear Nut	AN364-1032A	8
16.	3/32" Aluminum Pop Rivet	40APR1/8	14
17.	Flap Frame	S4/5-W-FF-143	2
18.	3/16" Bolt	AN3-4A	6
19.	Flap Horn **	UNI-HORN	2
20.	Fixed Flap Mount	KPFL0015	2
21.	3/16" Shear Acorn Nut	22NKM02	4
22.	Flap Skin, LH	W-FS-L	1
22.	Flap Skin, RH	W-FS-R	1
23.	3/16" Large Washer	AN970-3	2
24.	1" Compression Tube Fitting	TC-1	2
25.	3/16" Bolt	AN3-24A	2

*Builder must fabricate from Raw Stock, refer to text for instructions.

**Builder must modify.

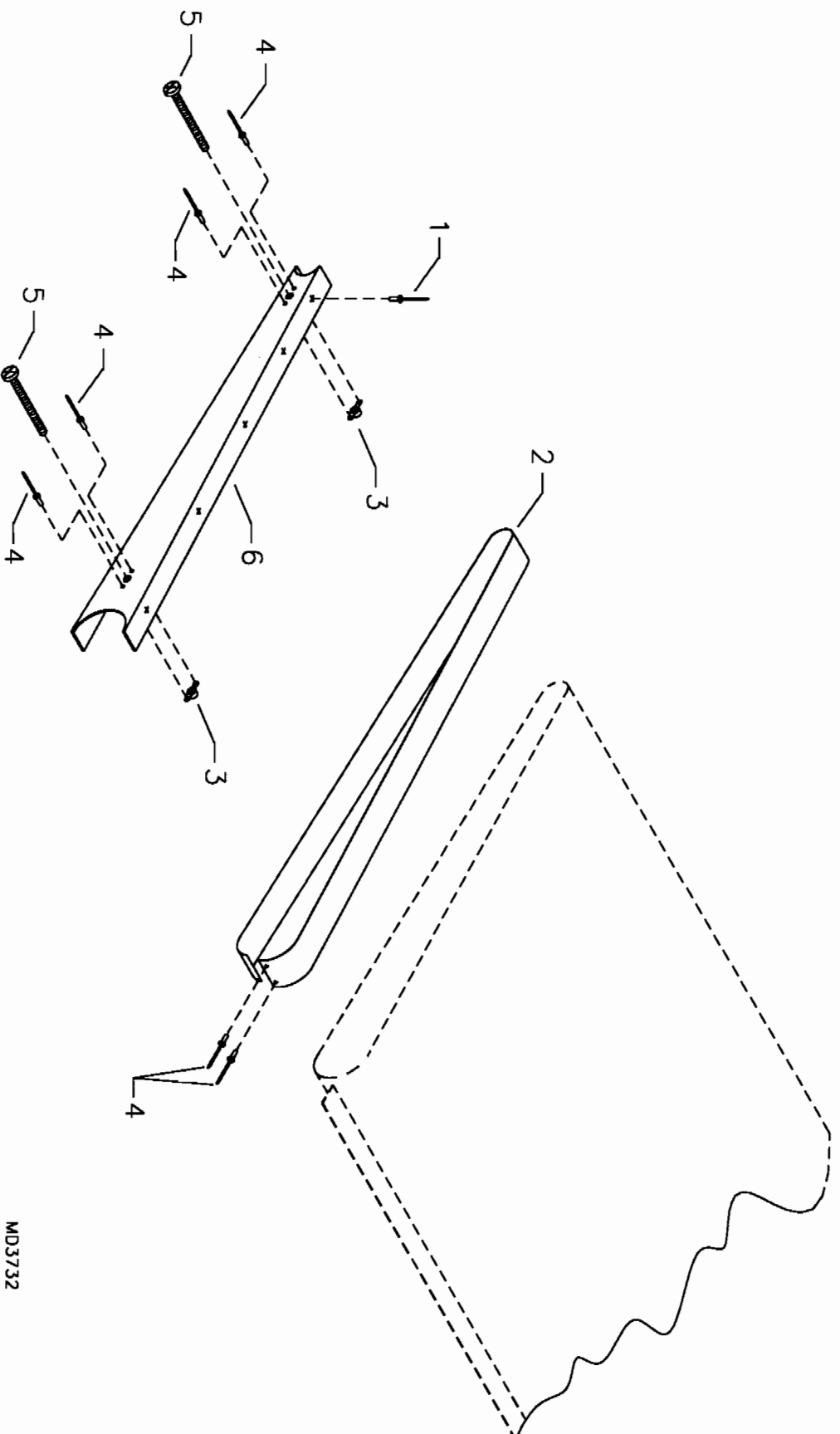


REFUG S-17 STINGER AILERON ASSEMBLY

S-17 Stinger - Aileron Assembly

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Aileron Covering	W-AS-LH	1
1.	Aileron Covering	W-AS-RH	1
2.	Aileron Horn	UNI-HORN	2
3.	3/16" Nut Plate	K-1000-3	8
4.	3/32" Aluminum Pop Rivet	40APR1/8	18
5.	3/16" Bolt	AN3-10A	2
6.	3/16" Bolt	AN3-14A	2
7.	Aileron Clip	W-A-CLIP	2
8.	3/16" Thin Washer	AN960-10L	8
9.	3/16" Thick Washer	AN960-10	18
10.	Stainless Steel Hinge	W-HB	8
11.	3/16" Castle Nut	AN310-3	8
12.	Small Cotter Pin	MS24665-134	8
13.	3/16" Bolt	AN3-15	8
14.	3/16" Shear Acorn Nut	22NKM02	2
15.	1" End Cap	1 CAP	2
16.	3/16" Bolt	AN3-13A	8
17.	3/16" Shear Nut	AN364-1032A	6
18.	Aluminum Bushing, 1/4" x .028 x 1/2" *	KAAC0032-5	0
19.	3/16" Bolt	AN3-4A	4
20.	Aileron/Flap Horn Attach Angle, LH	S6-W-AHAA-L	1
20.	Aileron/Flap Horn Attach Angle, RH	S6-W-AHAA-R	1
21.	Aileron Frame	S4/5-W-AF-143	2

*Builder must fabricate from Raw Stock.

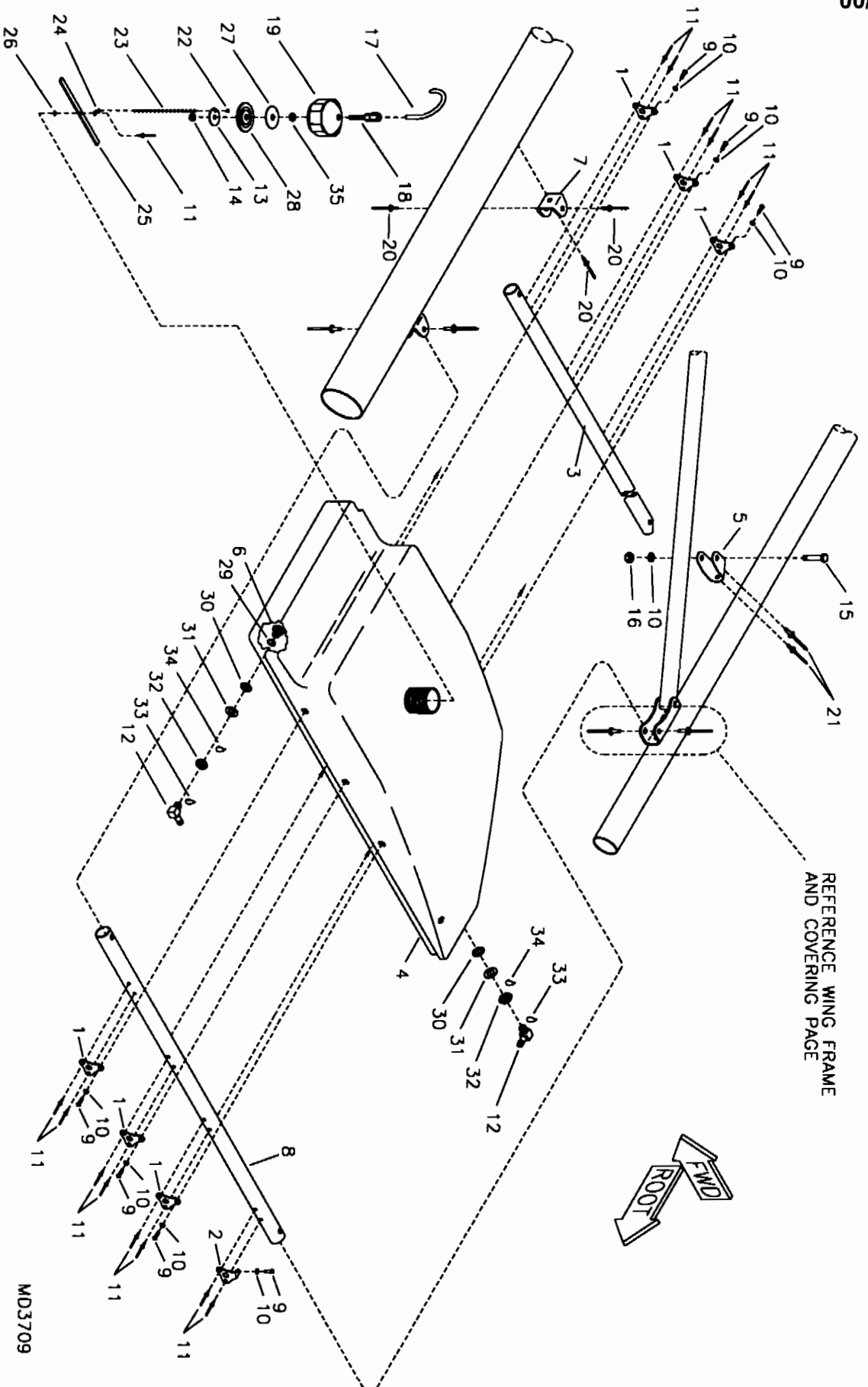


MD3732

REFINISHED S-17 STINGER AILERON AND FLAP TENSION RIB

S-17 Stinger - Aileron & Flap Tension Rib

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	40
2.	Aluminum Strip, 5/8" x .020 x 18"	AF-TRS	4
3.	3/16" Nut Plate	K-1000-3	8
4.	3/32" Aluminum Pop Rivet	40APR1/8	24
5.	Aileron Flap Tension Bolt	10/32 X 2 1/2SSPAN	8
6.	Aileron Flap Tension Rib	AF-TR	4



REFUEL S-17 STINGER 9 GAL.
FUEL TANK ASSEMBLY AND INSTALLATION

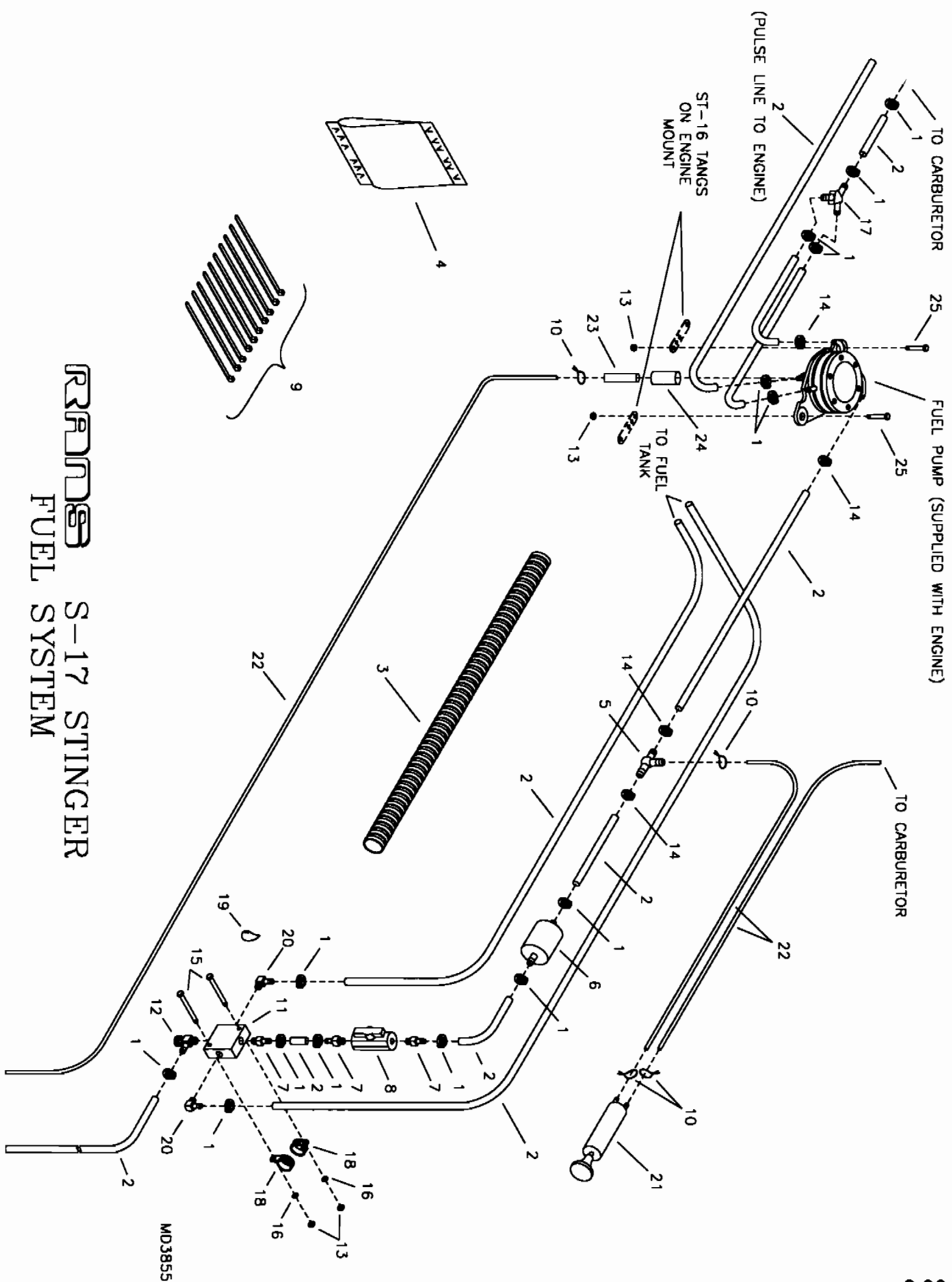
S-17 Stinger - 9 Gallon Fuel Tank Assembly and Installation

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Wing Tank - Mount Bracket	KPFS0007	6
2.	Wing Tank - AFT Mount Bracket, RH	KPFS0011-R	1
3.	Outer Tank Support	KPWI0244(4/5)	1
4.	Fuel Tank, RH	KPFS0005-R	1
5.	U Bracket	KPAC0055	1
6.	Tank Withdrawal Fitting	KPFS0017	2
7.	Attach Bracket	S2-SAB	1
8.	Compression Tube *	W-IO-143	0
9.	3/16" Bolt	AN3-3A	7
10.	3/16" Thick Washer	AN960-10	8
11.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	15
12.	90 Withdrawal Fitting	8342	2
13.	1/4" Large Washer	AN970-4	1
14.	1/4" Shear Nut	AN365-428C	1
15.	3/16" Bolt	AN3-14A	1
16.	3/16" Shear Nut	AN364-1032A	1
17.	Vent Tube	KPFS0020	1
18.	Conduit Adjuster Assembly	KSFS0014	1
19.	Fuel Cap	KSFS0007	1
20.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	3
21.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	2
22.	Bead Chain - Retainer Sleeve/Detachable Sleeve	KSHW0014	1
23.	#3 Bead Chain	KSHW0012	7 in
24.	Bead Chain - End Coupling	KSHW0013	1
25.	Plastic Retainer	KPFS0012	1
26.	1/8" Small Brass Washer	AN960-B4	1
27.	Plastic Baffle ***	KSFS0012	0
28.	Rubber Gasket ***	KSFS0013	0
29.	O-Ring	KSFS0009	2
30.	Rubber Washer	KSFS0010	2
31.	1/2" Thick Washer	AN960-816	2
32.	Nut-Flared Tube Bulkhead	AN924-5D	2
33.	Thread Sealant **	KSAC0014	0
34.	Loctite Blue	LOC-TITE	0
35.	1/4" Plain Nut	AN345-416	1

*Referenced from Frame and Covering.

**Thread Sealant (builder provides) is recommended but Loctite Blue can be used.

***Supplied with Fuel Cap.

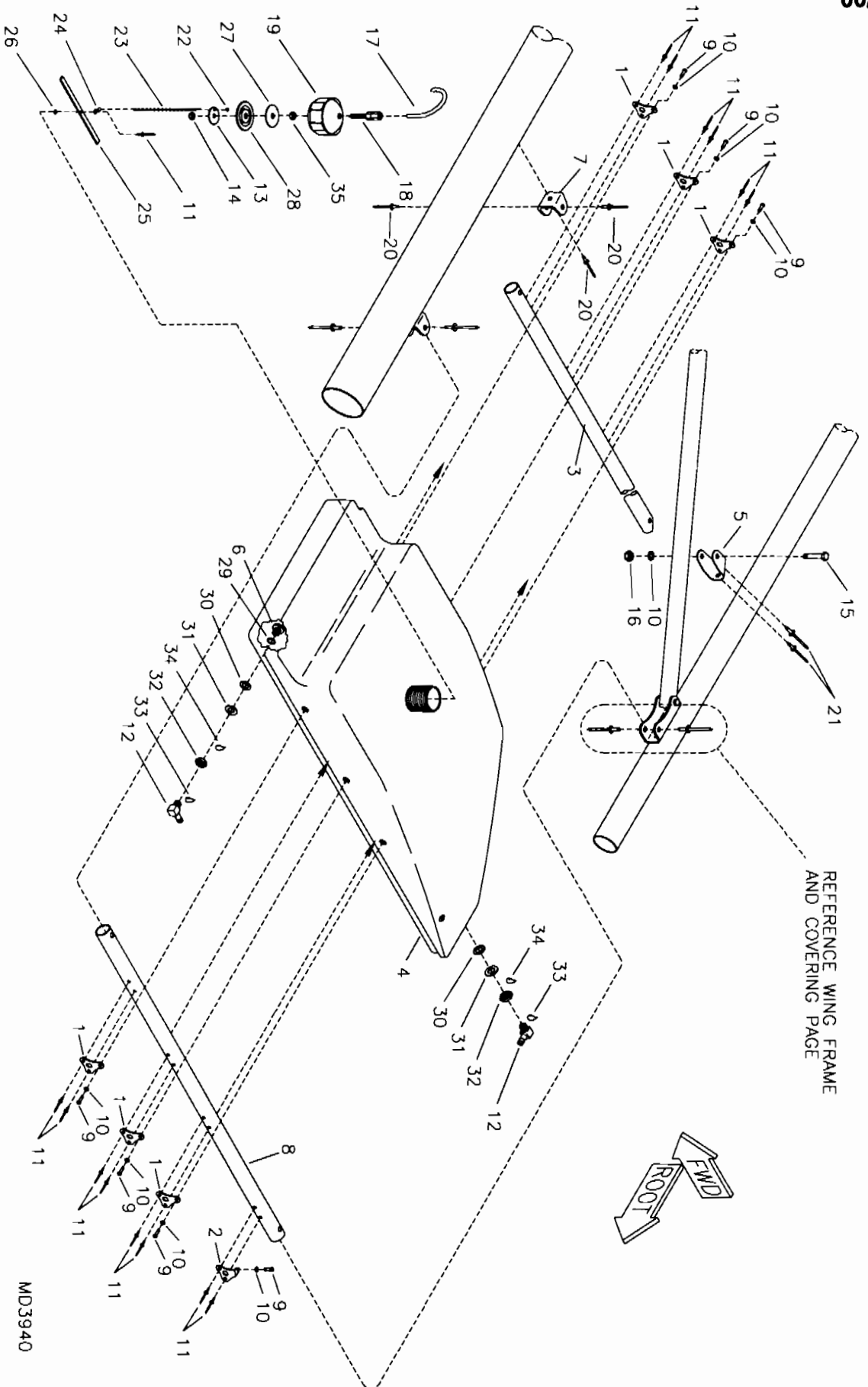


S-17 Stinger - Fuel System

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Line Clamp, 3/8"	FS-LCL 3/8	14
2.	1/4" Blue Fuel Line	FS-FL	25 ft
3.	Wire Casing	IP-WCASE	2 ft
4.	Primer Pump Kit **	SINGLE PRIMER(6)	0
5.	Primer Fuel Line T *	PRIME-LINE-T	0
6.	Fuel Filter	FS-FIL	1
7.	Straight Withdrawal Fitting	8330	3
8.	Fuel Shut Off Valve	FS-S-OFF	1
9.	Zip Ties	ZIP TIES	10
10.	Safety Wire	SAFETY WIRE	0
11.	Fuel Mixer Block	FS-FMB	1
12.	Sump Drain Valve	8336	1
13.	3/16" Shear Nut	AN364-1032A	4
14.	Line Clamp, 5/16" I.D.	FS-LCL 5/16ID	4
15.	3/16" Bolt	AN3-11A	2
16.	3/16" Thick Washer	AN960-10	2
17.	Fuel Line Y Connector	8345	1
18.	3/4" Cushioned Tube Clamp	MS21919-DG12	2
19.	Loctite Blue	LOC-TITE	0
20.	90 Withdrawal Fitting	8342	2
21.	Primer Pump *	PRIME-PUMP	0
22.	1/8" Primer Line	PRIMER LINE	6 ft
23.	5/16" Overflow Hose	EGCS-OFH	1 ft
24.	Shrink Wrap	KSAC0006	5 in
25.	3/16" Bolt	AN3-7A	2

*Supplied with Primer Kit.

**Referenced.



REFUND S-17 STINGER FUEL TANK MOUNT-OPTIONAL DUAL WING TANK

MD3940

S-17 Stinger - Fuel Tank Mount - Optional Dual Wing Tank

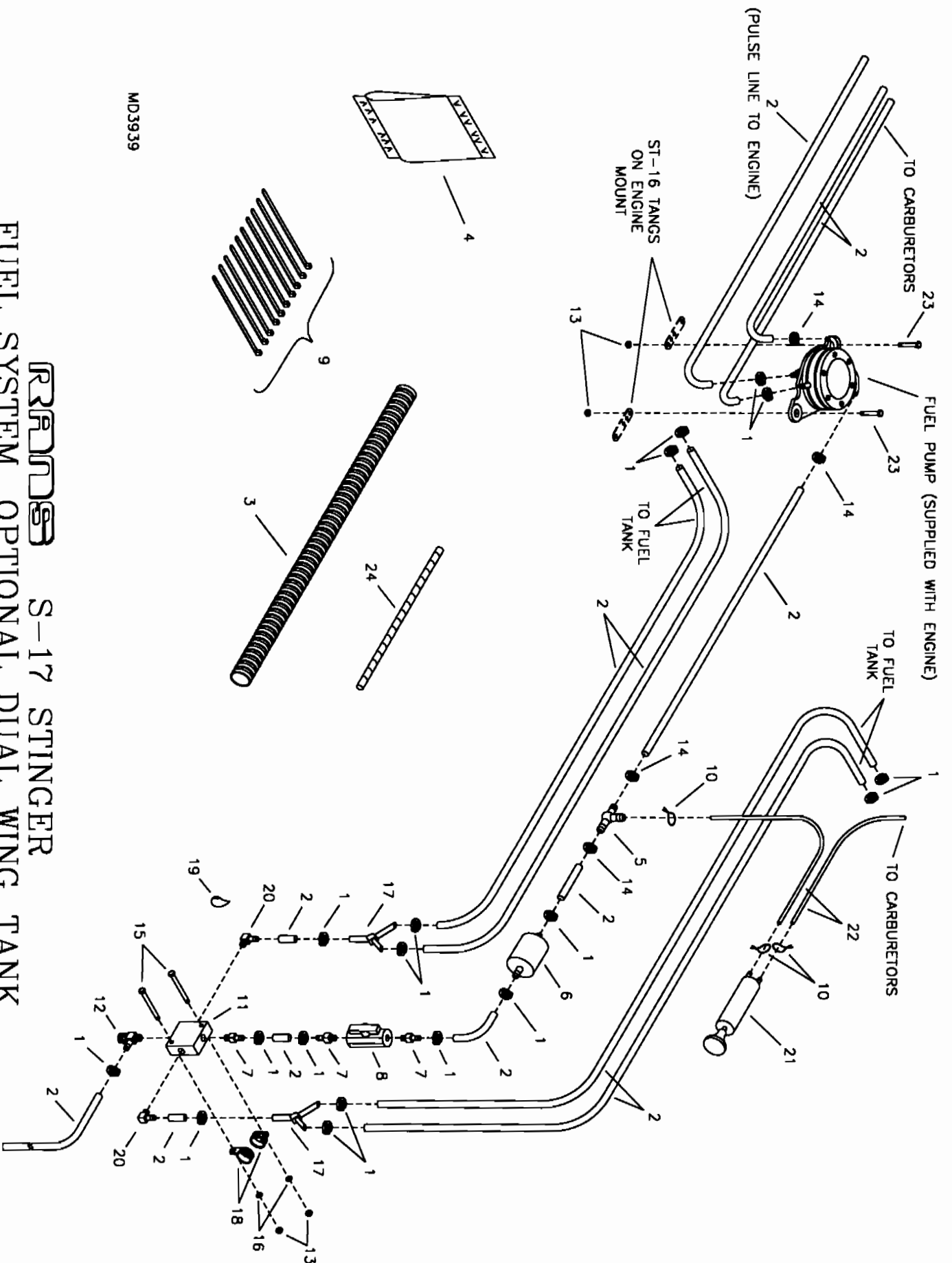
In addition to the Single Tank System

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Wing Tank - Mount Bracket	KPFS0007	6
2.	Wing Tank - AFT Mount Bracket, LH	KPFS0011-L	1
3.	Outer Tank Support	KPWI0244(4/5)	1
4.	Fuel Tank, LH	KPFS0005-L	1
5.	U Bracket	KPAC0055	1
6.	Tank Withdrawal Fitting	KPFS0017	2
7.	Attach Bracket	S2-SAB	1
8.	Compression Tube *	W-IO-143	0
9.	3/16" Bolt	AN3-3A	7
10.	3/16" Thick Washer	AN960-10	8
11.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	15
12.	90 Withdrawal Fitting	8342	2
13.	1/4" Large Washer	AN970-4	1
14.	1/4" Shear Nut	AN365-428C	1
15.	3/16" Bolt	AN3-14A	1
16.	3/16" Shear Nut	AN364-1032A	1
17.	Vent Tube	KPFS0020	1
18.	Conduit Adjuster Assembly	KSFS0014	1
19.	Fuel Cap	KSFS0007	1
20.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	3
21.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	2
22.	Bead Chain - Retainer Sleeve/Detachable Sleeve	KSHW0014	1
23.	#3 Bead Chain	KSHW0012	7 in
24.	Bead Chain - End Coupling	KSHW0013	1
25.	Plastic Retainer	KPFS0012	1
26.	1/8" Small Brass Washer	AN960-B4	1
27.	Plastic Baffle ***	KSFS0012	0
28.	Rubber Gasket ***	KSFS0013	0
29.	O-Ring	KSFS0009	2
30.	Rubber Washer	KSFS0010	2
31.	1/2" Thick Washer	AN960-816	2
32.	Nut-Flared Tube Bulkhead	AN924-5D	2
33.	Thread Sealant **	KSAC0014	0
34.	Loctite Blue	LOC-TITE	0
35.	1/4" Plain Nut	AN345-416	1

*Referenced from Frame and Covering.

**Thread Sealant (builder provides) is recommended but Loctite Blue can be used.

***Supplied with Fuel Cap.



MD3939

REDUCED S-17 STINGER **FUEL SYSTEM, OPTIONAL DUAL WING TANK**

S-17 Stinger - Fuel System - Optional Dual Wing Tank

In addition to the Single Tank System

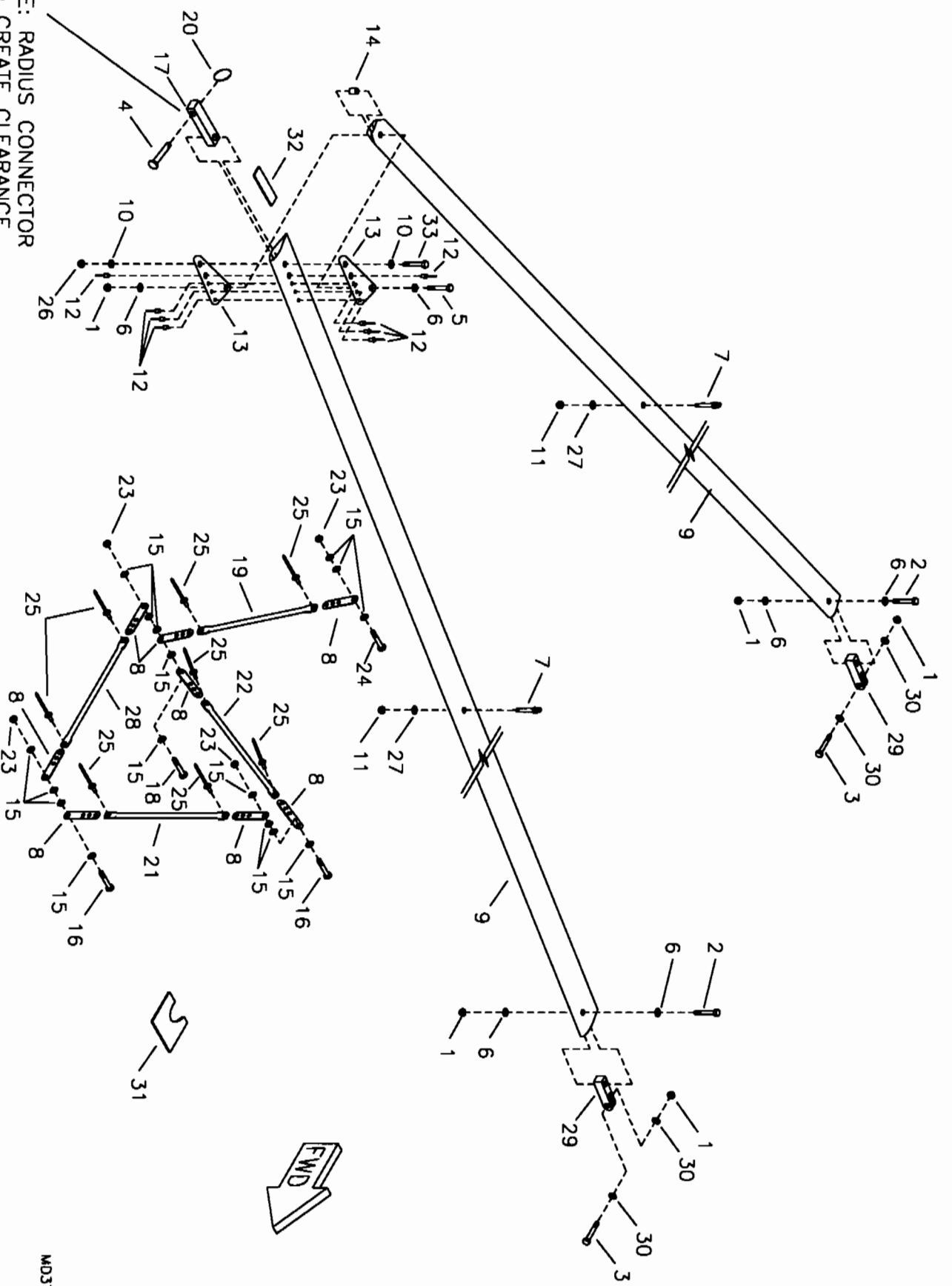
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Line Clamp, 3/8"	FS-LCL 3/8	8
2.	1/4" Blue Fuel Line	FS-FL	15 ft
3.	Wire Casing **	IP-WCASE	0
4.	Primer Pump Kit **	SINGLE PRIMER(6)	0
5.	Primer Fuel Line T *	PRIME-LINE-T	0
6.	Fuel Filter **	FS-FIL	0
7.	Straight Withdrawal Fitting **	8330	0
8.	Fuel Shut Off Valve **	FS-S-OFF	0
9.	Zip Ties **	ZIP TIES	0
10.	Safety Wire	SAFETY WIRE	0
11.	Fuel Mixer Block **	FS-FMB	0
12.	Sump Drain Valve **	8336	0
13.	3/16" Shear Nut **	AN364-1032A	0
14.	Line Clamp, 5/16" I.D. **	FS-LCL 5/16ID	0
15.	3/16" Bolt **	AN3-11A	0
16.	3/16" Thick Washer **	AN960-10	0
17.	Fuel Line Y Connector	8345	2
18.	3/4" Cushioned Tube Clamp **	MS21919-DG12	0
19.	Loctite Blue	LOC-TITE	0
20.	90 Withdrawal Fitting **	8342	0
21.	Primer Pump *	PRIME-PUMP	0
22.	1/8" Primer Line **	PRIMER LINE	0
23.	3/16" Bolt **	AN3-7A	0
24.	Coil Wrap	1/2 SPIRAL LOOM	2 ft

*Supplied with Primer Kit.

**Referenced.

NOTE: RADIUS CONNECTOR
TO CREATE CLEARANCE
AT ATTACH POINT

REFUGES S-17 STINGER AIRFOIL LIFT STRUTS



MD3758

S-17 Stinger - Airfoil Lift Struts

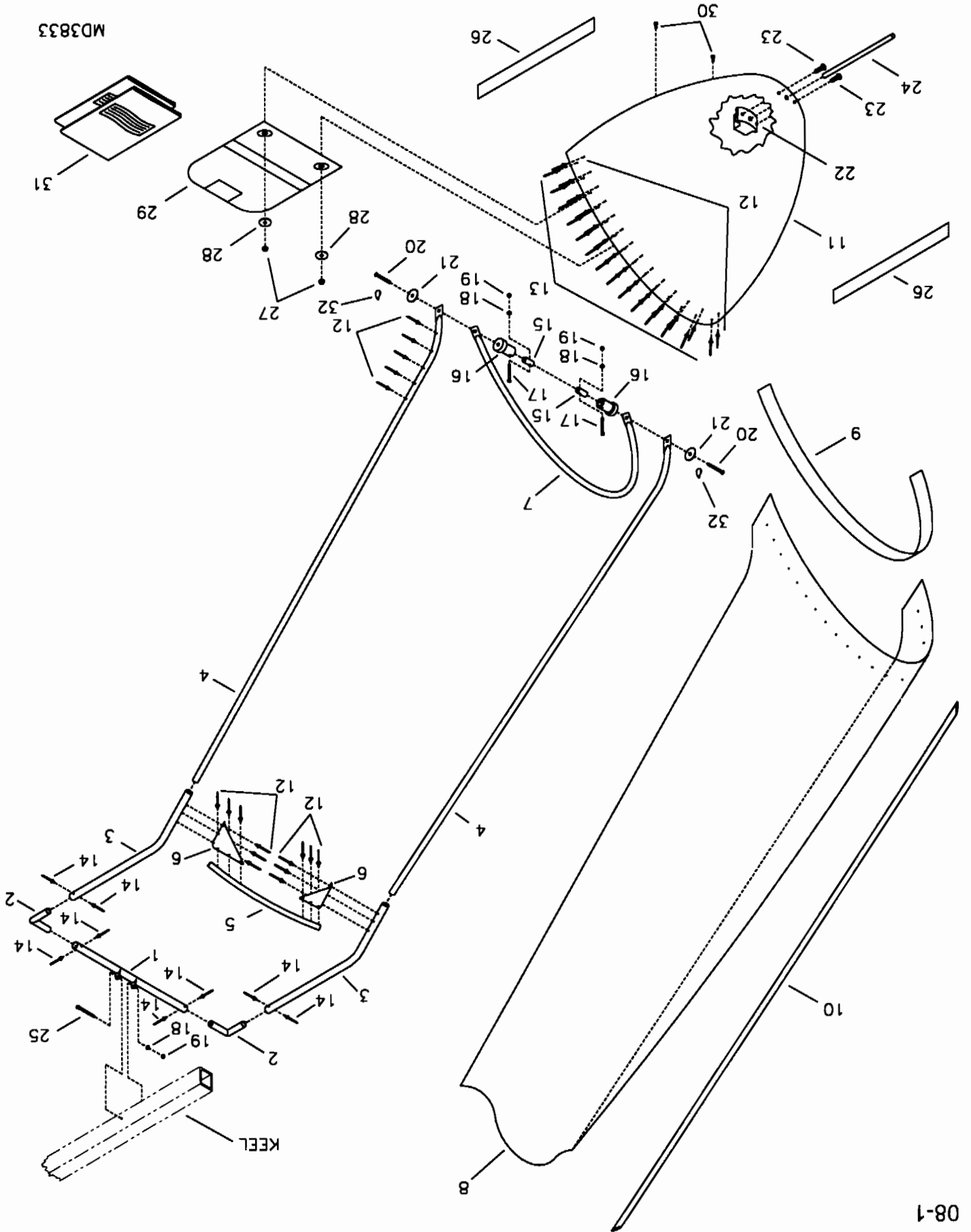
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Shear Nut	AN364-524A	10
2.	5/16" Bolt	AN5-13A	4
3.	5/16" Bolt	AN5-12A	4
4.	5/16" Clevis Pin	MS20392-4C33	2
5.	5/16" Bolt	AN5-15A	2
6.	5/16" Thin Washer	AN960-516L	12
7.	1/4" Eyebolt	AN43B-14A	4
8.	Tang	ST-16	16
9.	Lift Strut, 109 5/8"	KPLS0005	4
10.	1/4" Thin Washer	AN960-416L	4
11.	1/4" Tensile Acorn Nut	42NKE-048	4
12.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	16
13.	AFT Lift Strut Gusset	W-ALS-G	4
14.	Anti-Crush Bushing	W-ANTI-CB	2
15.	3/16" Thick Washer	AN960-10	32
16.	3/16" Bolt	AN3-6A	4
17.	Lift Strut Connector	LS-SC-A	2
18.	3/16" Bolt	AN3-7A	2
19.	Jury Strut, AFT	KPJS0005	2
20.	Loc Ring	RL 27 1/4	2
21.	Jury Strut, Forward	KPJS0006	2
22.	Jury Strut, Diagonal	KPJS0007	2
23.	3/16" Shear Nut	AN364-1032A	8
24.	3/16" Bolt	AN3-5A	2
25.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-62	16
26.	1/4" Shear Acorn Nut	52NKTE-048	2
27.	1/4" Thick Washer	AN960-416	4
28.	Jury Strut, Crossing	KPJS0008	2
29.	AFT Upper Lift Strut Connector	LS-ACU-2	4
30.	5/16" Thick Washer	AN960-516	8
31.	Small Lift Strut Chord Template *	KPLS0004	1
32.	Universal Shim **	UNV-SHIM	1
33.	1/4" Bolt	AN4-15A	2

*This template is used to locate bolt holes.

**Builder must modify.

OPTIONAL FAIRING NOSE POD/WINDSHIELD ASS'Y

10/26/00

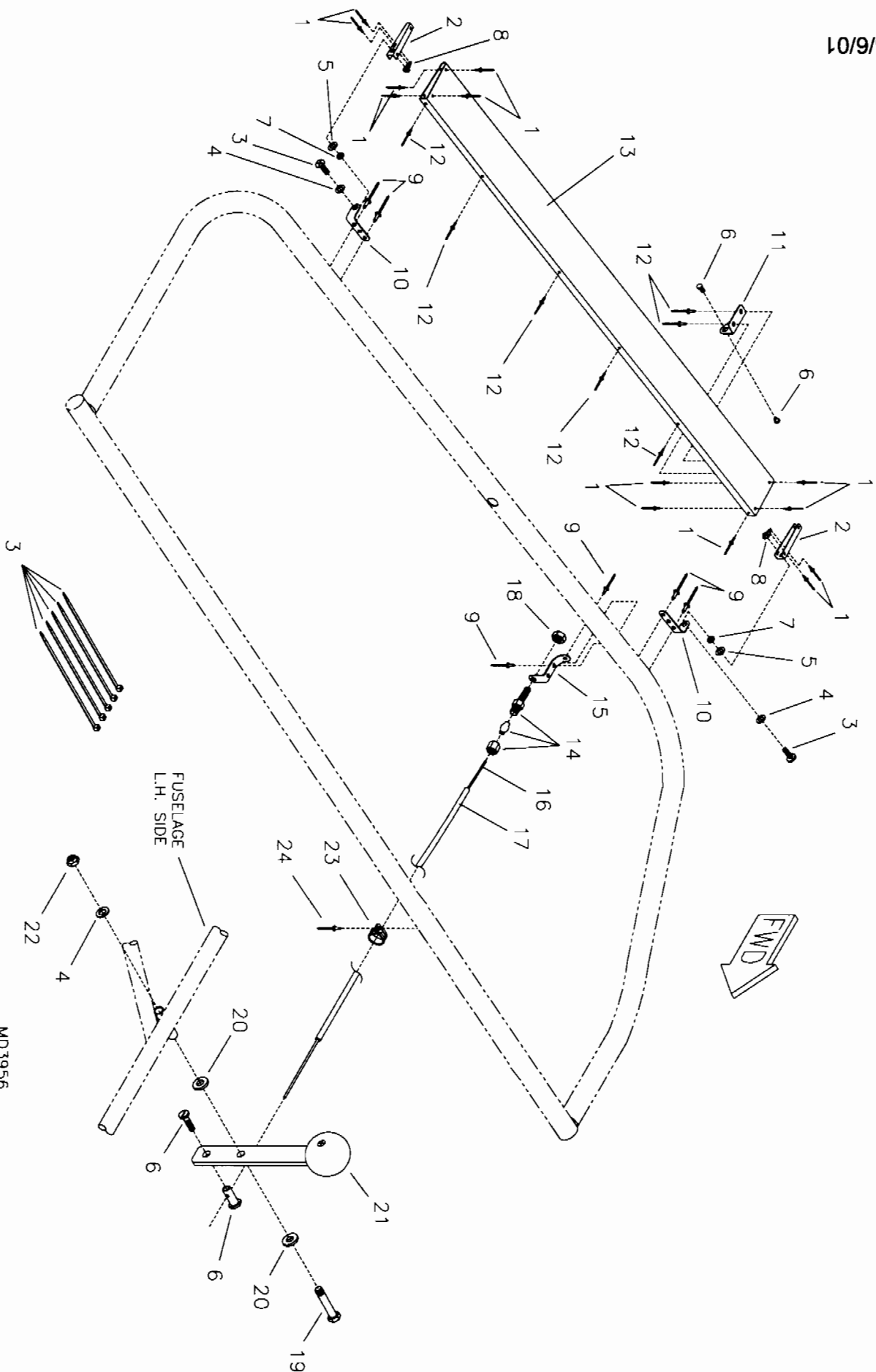


S-17 Stinger - Optional Fairing Nose Pod/Windshield Assembly

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Windshield Tube Keel Connect Bracket	KPFU0296	1
2.	90 Degree Elbow Fitting	KPFU0297	2
3.	Windshield Side Connector Tubes	KPFU0298	2
4.	Windshield Side Tubes	KPFU0299	2
5.	Windshield Top Arch Tube	KPFU0300	1
6.	90 Degree Gusset - Bent - LH	KPAC0161-L	1
6.	90 Degree Gusset - Bent - RH	KPAC0161-R	1
7.	Nose Pod Arch Tube	KPFU0301	1
8.	Windshield	KPWS0018	1
9.	Bearing Strip, 2" x .032 x 38" Aluminum Strip *	KAAC0036-1	0
10.	Jigging Tube, 1/2" x .035 x 72" Aluminum Tubing *	KAAC0036-2	0
11.	Nose Pod	KPWS0019	1
12.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	70
13.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-44	24
14.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	12
15.	3/16" Insert Nut	I-NUT	2
16.	1" Compression Tube Fitting	TC-4	2
17.	3/16" Bolt	AN3-13A	2
18.	3/16" Thin Washer	AN960-10L	3
19.	3/16" Shear Nut	AN364-1032A	3
20.	1/4" Bolt	AN4-12A	2
21.	1/4" Large Washer	AN970-4	2
22.	Pitot Static Mount, 1" x 1" x 2 1/2" PVC *	KAAC0036-3	0
23.	#8 Pan Head Screw	8X1/2 PHS	2
24.	Pitot Tube **	W-ASI-P	0
25.	3/16" Bolt	AN3-25A	1
26.	Rans S-17 Stinger Decal	KPPL0004	2
27.	8 x 32 Nut	AN364-832A	2
28.	3/16" Plastic Washer	PW-3	2
29.	Document Pouch	KPIN0045	1
30.	8-32 Truss Head Bolt	AN515-8R7	2
31.	Log Books **	----	0
32.	Loctite Blue	LOC-TITE	0

*Builder must fabricate from Raw Stock.

**Referenced.



MD3956

RRR S-17 STINGER OPTIONAL ELEVATOR TRIM TAB

S-17 Stinger - Optional Elevator Trim Tab

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/32" Aluminum Pop Rivet	40APR1/8	13
2.	Trim Tab End Rib	KPTR0007	2
3.	3/16" Truss Head Bolt	AN526-C1032R12	2
4.	3/16" Thin Washer	AN960-10L	3
5.	3/16" Thick Washer	AN960-10	2
6.	Wire Swivel/Screw Stop	2361	2
7.	Aluminum Bushing, 1/4" x .028 x 1/16" *	KAAC0032-5	0
8.	3/16" Single Ear Nut Plate	MS21051-L3	2
9.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	6
10.	Trim Tab Hinge	ST-16-BENT	2
11.	Trim Tab Horn	KPTR0008	1
12.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-41	7
13.	Trim Tab	KPTR0009	1
14.	Conduit Adjuster Assembly	KSFS0014	1
15.	Cable Housing Stop Bracket	KPTR0005	1
16.	Trim Push Wire	TR-PW	22 ft
17.	Trim Cable Housing	KSAC0008	22 ft
18.	1/4" Plain Nut	AN345-416	1
19.	3/16" Bolt	AN3-14A	1
20.	3/16" Plastic Washer	PW-3	2
21.	Trim Lever	KSCS0007	1
22.	3/16" Shear Nut	AN364-1032A	1
23.	Cushioned Tube Clamp	MS21919WDG3	1
24.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	1

*Builder must fabricate from Raw Stock.