

S-10 SAKOTA

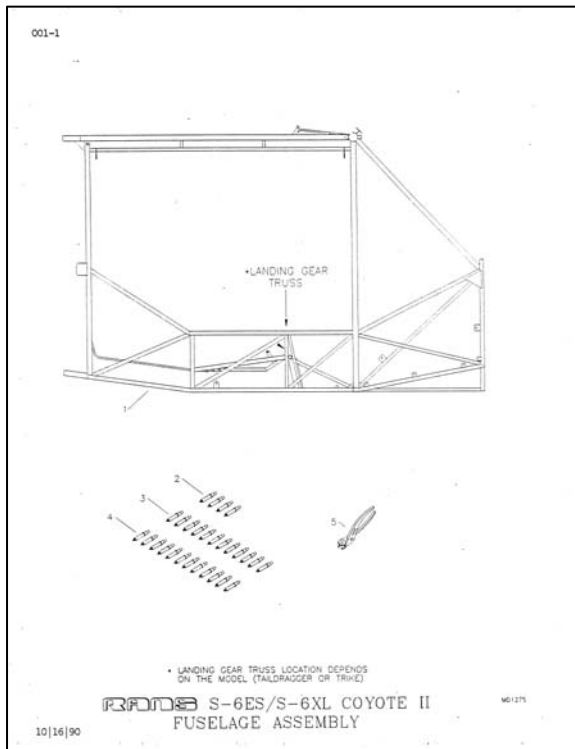
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The RANS CD manual is designed to be printable on 3-hole punched paper on your home printer. If you have the pre-printed manual, follow the directions for rotation below.

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

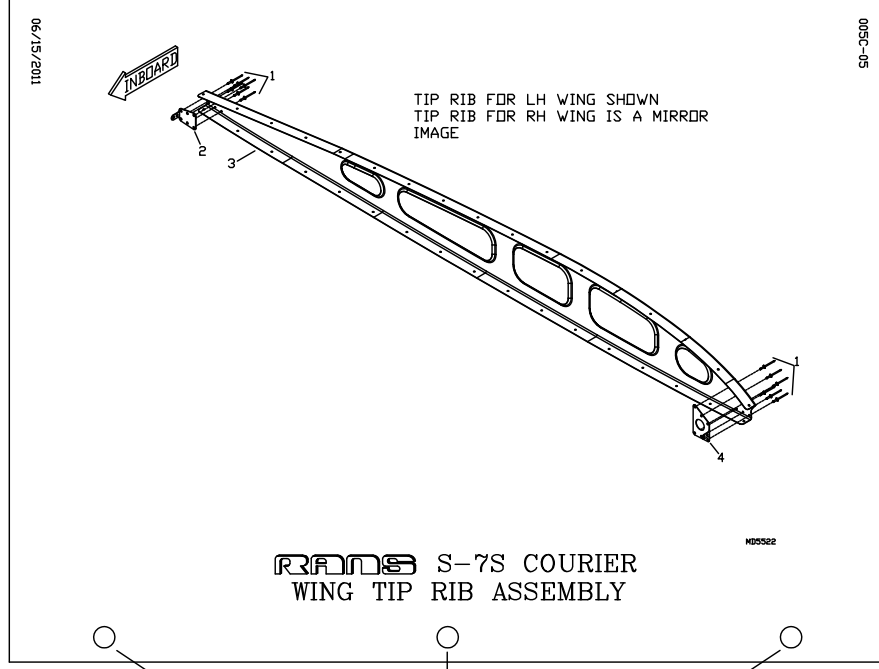
2/24/98

Parts List page

STEP 1:

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

PARTS DRAWING PAGE



3-HOLE PUNCH

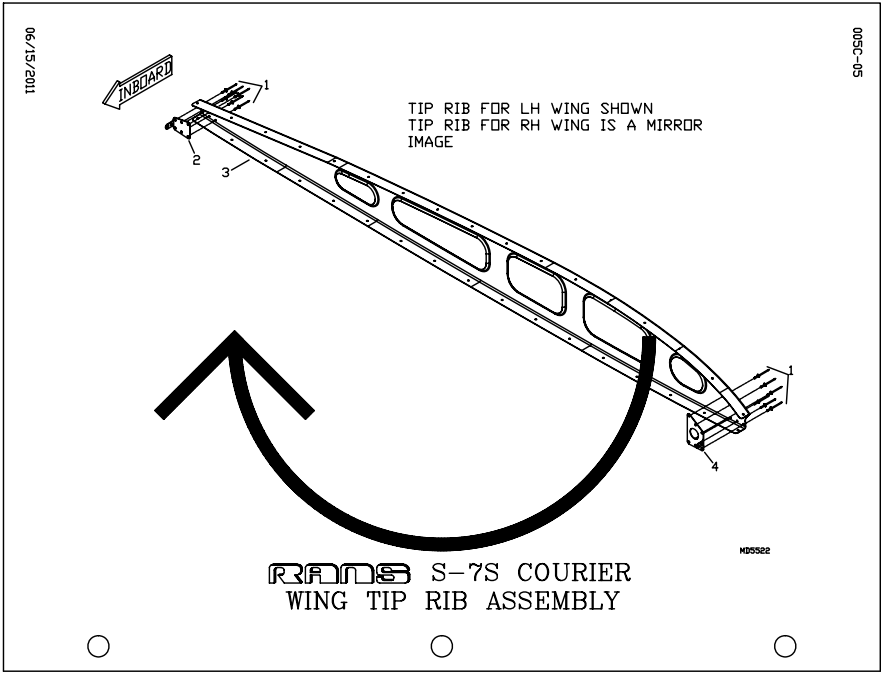
EXAMPLE ONLY.
MAY NOT REPRESENT ACTUAL PAGES
FROM YOUR MANUAL.

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

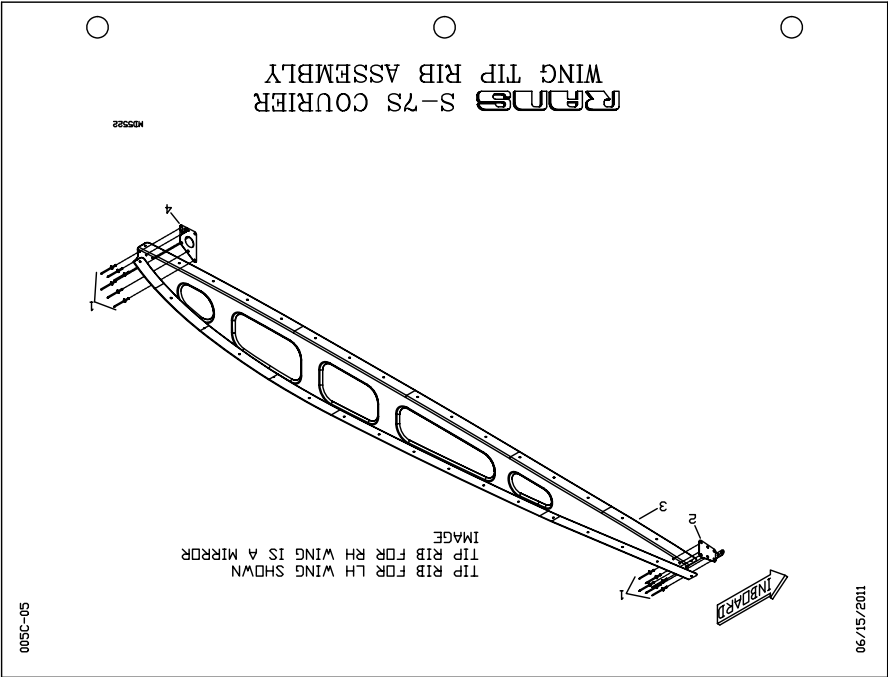
EXAMPLE ONLY.
MAY NOT REPRESENT ACTUAL PAGES
FROM YOUR MANUAL.

SEE NEXT PAGE

STEP 3:

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

PARTS DRAWING PAGE



PARTS DESCRIPTION PAGE

S-7S COURIER - WING - TIP RIB ASSEMBLY			
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" ALUMINUM RIVET	AAPO41	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

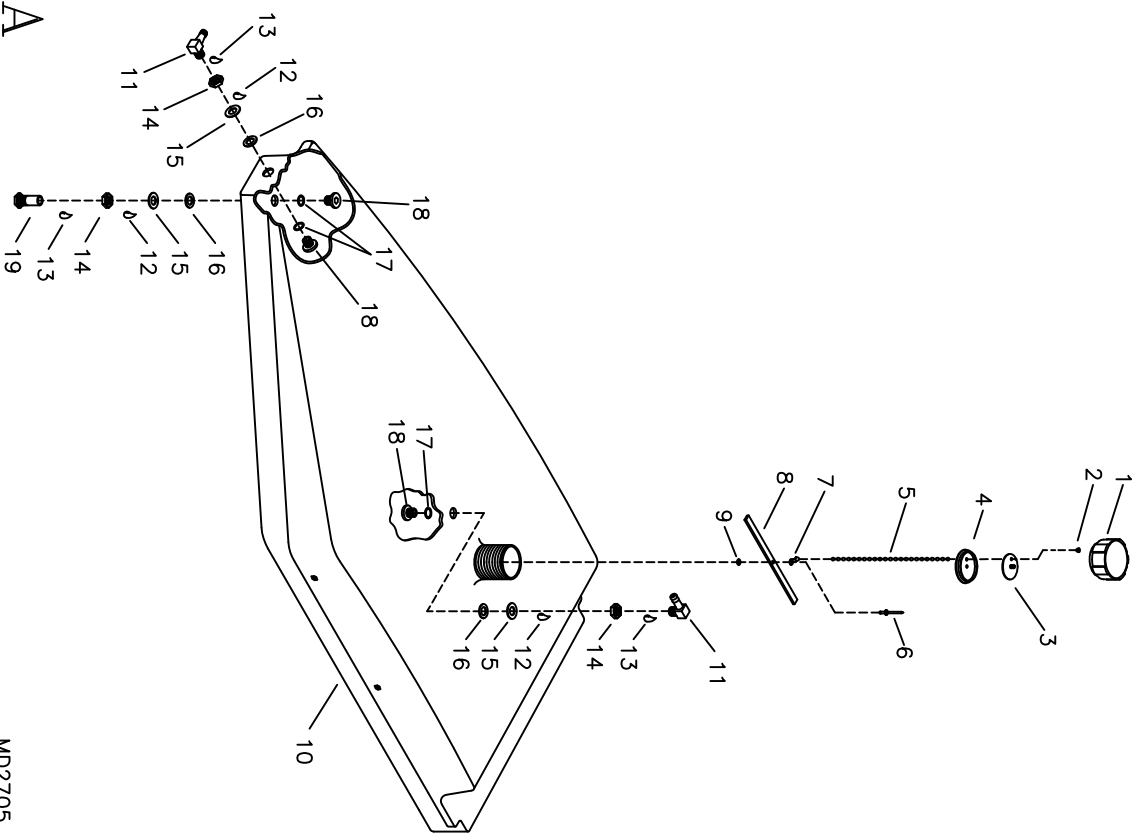
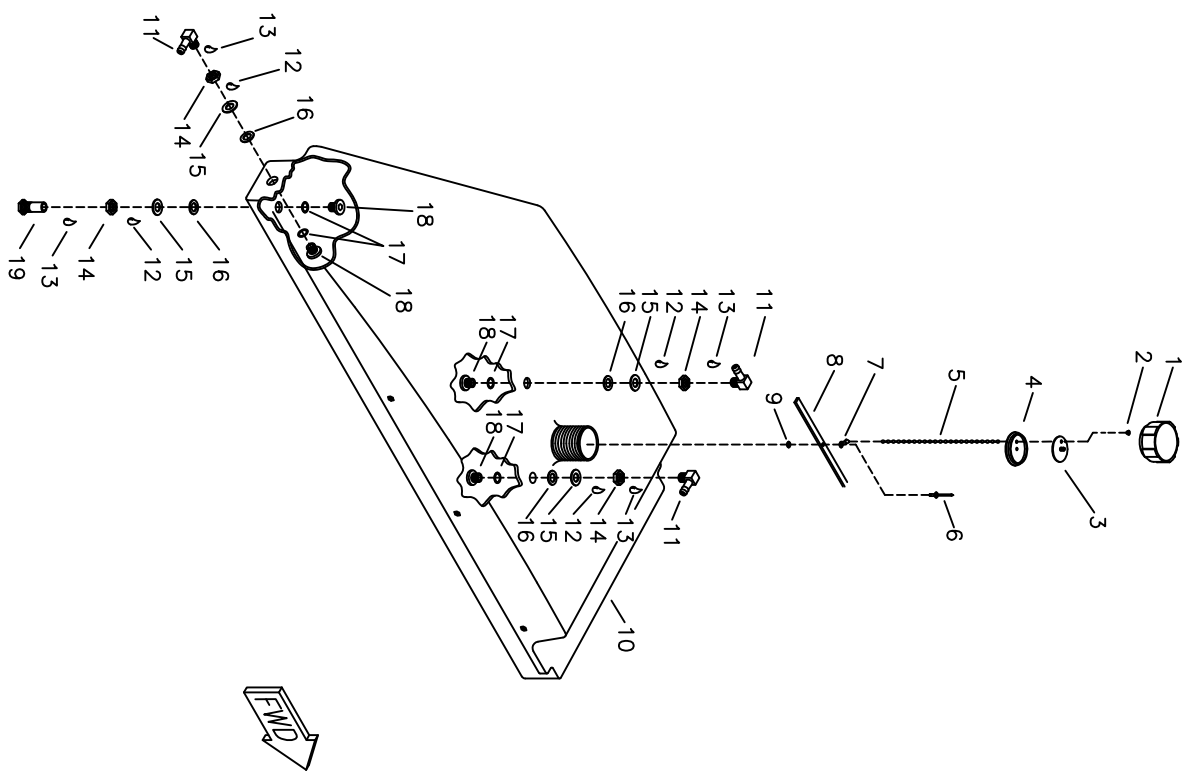
EXAMPLE ONLY.
MAY NOT REPRESENT ACTUAL PAGES
FROM YOUR MANUAL.

S-10 SAKOTA - GENERAL INFORMATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Flight Log	FLIGHT LOG	1
2.	Maintenance Log Book	MAINTENANCE LOG	1
3.	RANS Decal - Black **	RANS DECAL-B	0
3.	RANS Decal - White **	RANS DECAL-W	0
4.	S-10 Decal - Black **	S-10 DECAL-B	0
4.	S-10 Decal - White **	S-10 DECAL-W	0
5.	Experimental Decal Sheets	EXPER-DECAL	1
6.	Assembly Manual	ASSEMBLY MANUAL	1
7.	Range Decal	RANGE DECAL	1
8.	Raw Stock Kit	KAAC0015	1
8.	1/4" x .028 Aluminum Tube *	KAAC0015-3	2 ft
9.	Warning Label	KPPL0001	1

*Supplied in Raw Stock Kit.

**May be purchased separately, call the Parts Dept for pricing.



R300 S-10 SAKOTA FUEL TANK FITTING INSTALLATION

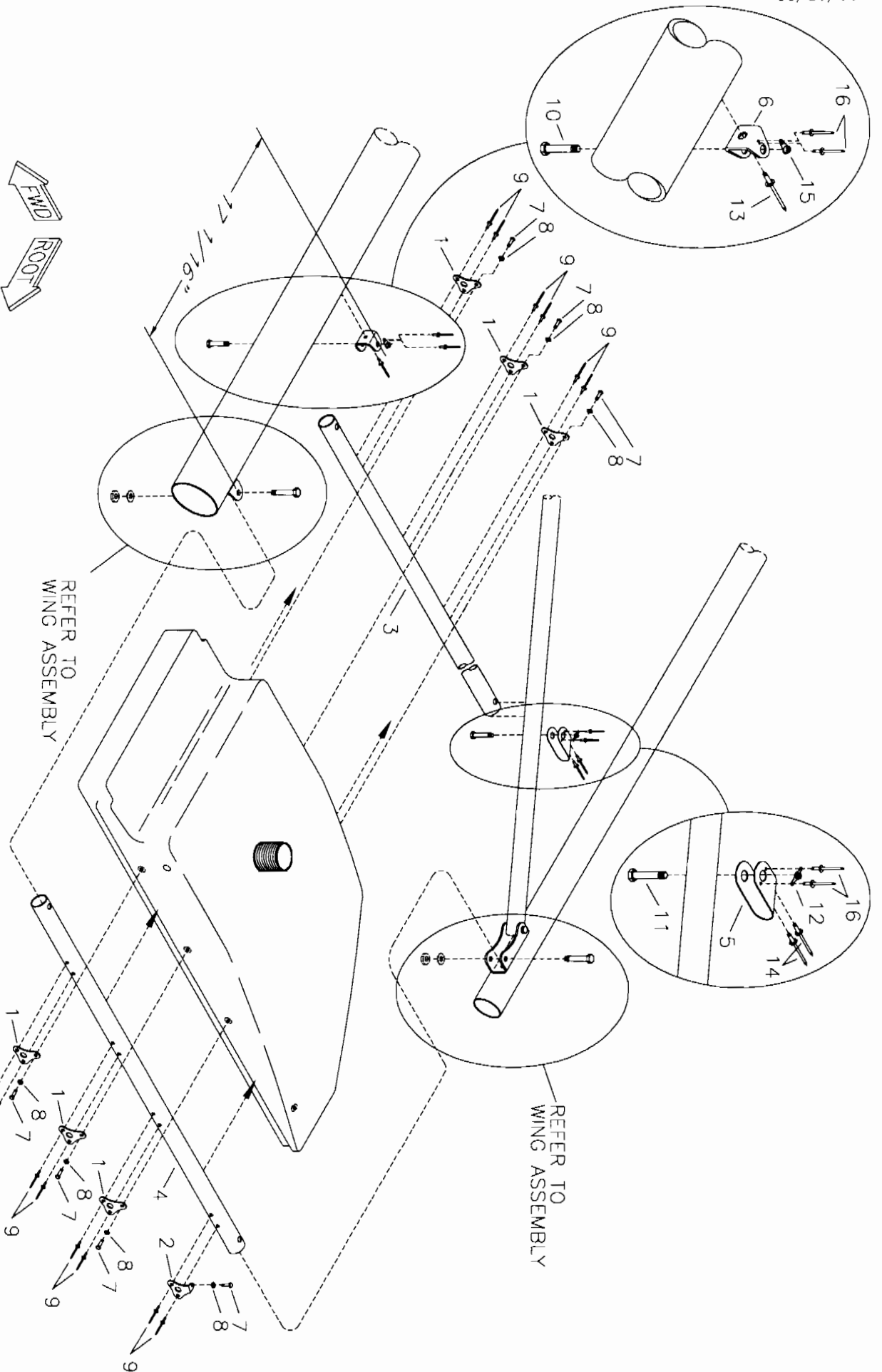
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Fuel Cap *	KSFS0007	2
2.	Bead Chain - Retainer Sleeve	KSHW0014	2
3.	Plastic Baffle ***	-----	0
4.	Rubber Gasket ***	-----	0
5.	#3 Bead Chain	KSHW0012	2
6.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	2
7.	Bead Chain-End Coupling	KSHW0013	2
8.	Plastic Retainer	KPFS0012	2
9.	1/8" Small Brass Washer	AN960-B4	2
10.	Fuel Tank, RH	KPFS0005-R	1
10.	Fuel Tank, LH	KPFS0005-L	1
11.	90 Withdrawal Fitting	8342	5
12.	Loctite Blue ****	-----	0
13.	Thread Sealant **, ****	-----	0
14.	Nut-Flared Tube Bulkhead	AN924-5D	7
15.	1/2" Thick Washer	AN960-816	7
16.	Rubber Washer	KSFS0010	7
17.	O-Ring	KSFS0009	7
18.	Tank Withdrawal Fitting	KPFS0017	7
19.	Flush Valve	KSFS0011	2

*Builder must modify, see manual for instructions.

**Builder Provides - Teflon Tape or Paste Thread Sealant

Supplied with Fuel Cap. * Builder Provides

2/6/2013



REFINED S-10 SAKOTA FUEL TANK MOUNT



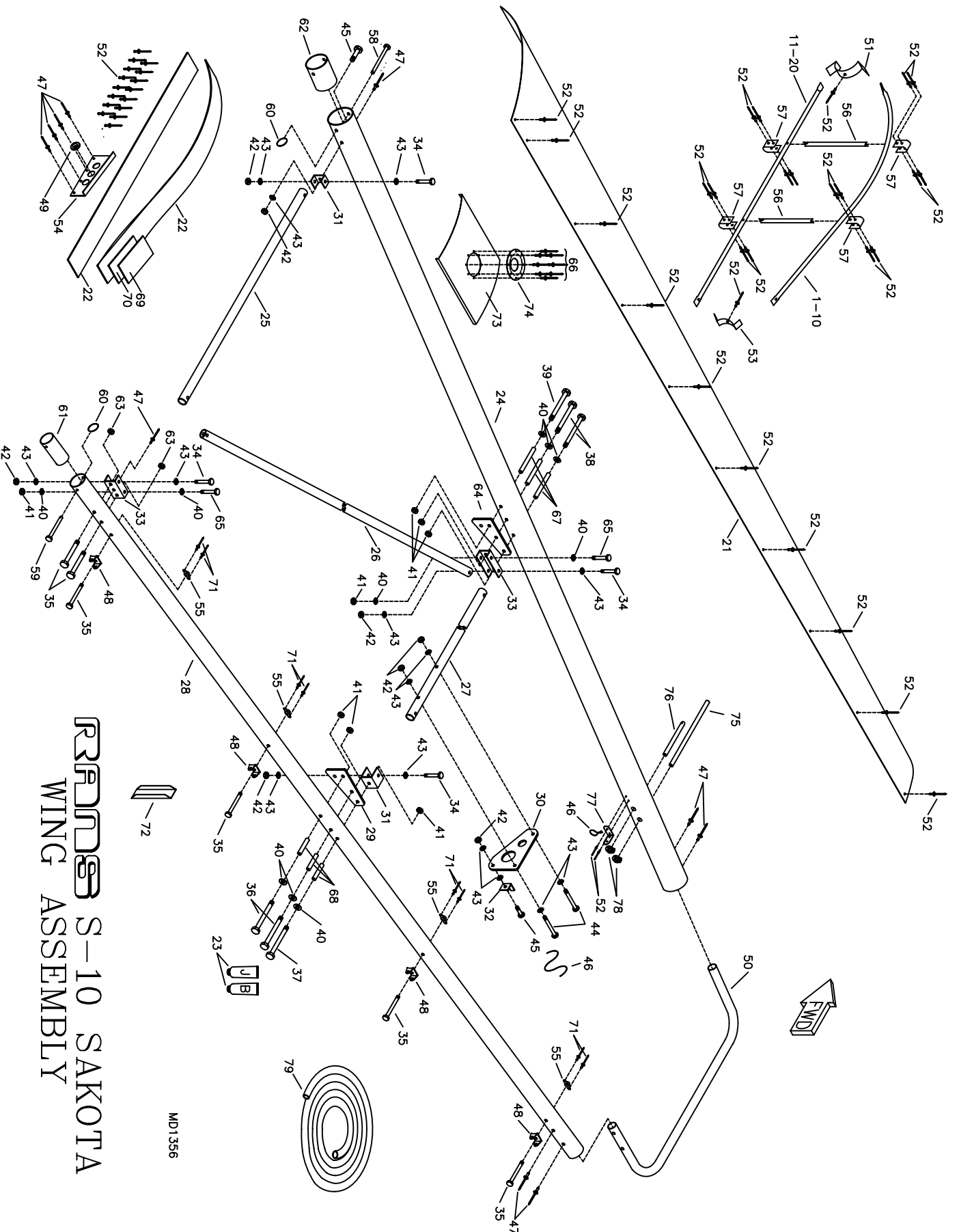
REFER TO
WING ASSEMBLY

REFER TO
WING ASSEMBLY

S-10 SAKOTA - FUEL TANK MOUNT

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Wing Tank-Mount Bracket	KPFS0007	12
2.	Wing Tank-AFT Mount Bracket, LH	KPFS0011-L	1
2.	Wing Tank-AFT Mount Bracket, RH	KPFS0011-R	1
3.	Outer Tank Support	KPFS0019	2
4.	Inner Compression Tube *	W-IO-151	0
5.	U-Bracket	KPAC0055	2
6.	Attach Bracket	S2-SAB	2
7.	3/16" Bolt	AN3-3A	14
8.	3/16" Thick Washer	AN960-10	14
9.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	28
10.	3/16" Bolt	AN3-15A	2
11.	3/16" Bolt	AN3-14A	2
12.	3/16" Nut Plate	K-1000-3	2
13.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	2
14.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	4
15.	3/16" Single Ear Nut Plate	MS21051-L3	2
16.	3/32" Aluminum Pop Rivet	40APR1/8	8

*Referenced from wing assembly.



RFA S-10 SAKOTA
WING ASSEMBLY

MD1356

S-10 SAKOTA - WING

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Top Rib, #1	W-R-1	2
2.	Top Rib, #2	W-R-2	2
3.	Top Rib, #3	W-R-3	2
4.	Top Rib, #4	W-R-4	2
5.	Top Rib, #5	W-R-5	2
6.	Top Rib, #6	W-R-6	2
7.	Top Rib, #7	W-R-7	2
8.	Top Rib, #8	W-R-8	2
9.	Top Rib, #9	W-R-9	2
10.	Top Rib, #10	W-R-10	2
11.	Bottom Rib, #1	W-R-11	2
12.	Bottom Rib, #2	W-R-12	2
13.	Bottom Rib, #3	W-R-13	2
14.	Bottom Rib, #4	W-R-14	2
15.	Bottom Rib, #5	W-R-15	2
16.	Bottom Rib, #6	W-R-16	2
17.	Bottom Rib, #7	W-R-17	2
18.	Bottom Rib, #8	W-R-18	2
19.	Bottom Rib, #9	W-R-19	2
20.	Bottom Rib, #10	W-R-20	2
21.	Leading Edge Wrap	W-LE-W	2
22.	Root Strip	W-RS	4
23.	J&B Weld Epoxy	J & B	2
24.	Leading Edge Spar	W-LES(9/10)	2
25.	Root Compression Tube	W-RCT	2
26.	Drag Brace	W-DB	2
27.	Outer Compression Tube	W-OC	2
28.	Trailing Edge Spar	W-TES(9/10)	2
29.	AFT Strut Plate	W-SAP-TE	2
30.	Elevator Horn	TG-EH	2
31.	Horizontal Stabilizer Attach Bracket	S2-SAB	4
32.	Teleflex Retainer	W-TEL-R	2
33.	Long Wing Channel	W-WCL	4
34.	3/16" Bolt	AN3-15A	8
35.	3/16" Bolt	AN3-23A	12
36.	1/4" Bolt	AN4-25A	4
37.	1/4" Bolt	AN4-26A	2
38.	1/4" Bolt	AN4-36A	4
39.	1/4" Bolt	AN4-35A	2
40.	1/4" Thin Washer	AN960-416L	20
41.	1/4" Shear Nut	AN364-428A	16
42.	3/16" Shear Nut	AN364-1032A	16
43.	3/16" Thin Washer	AN960-10L	30
44.	3/16" Bolt	AN3-14A	4
45.	3/16" Bolt	AN3-4A	4

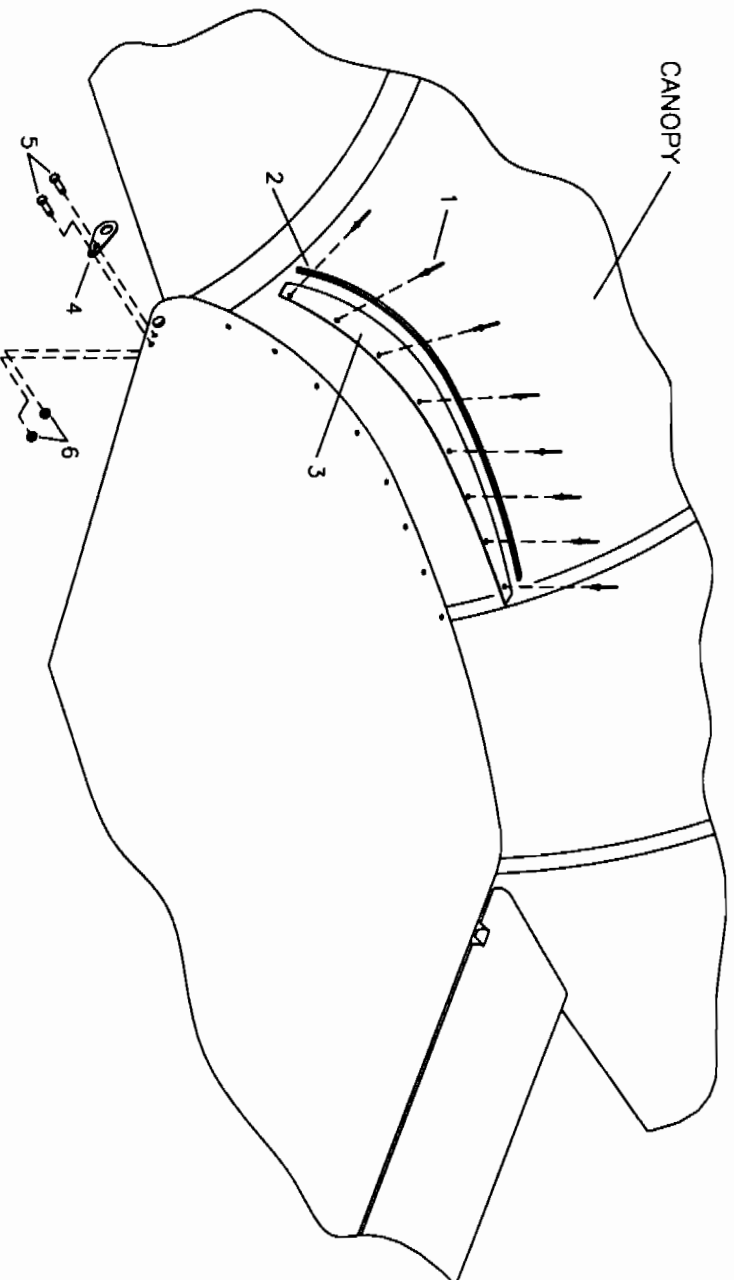
#	DESCRIPTION	PART NUMBER	QUANTITY
46.	Safety Wire ***	SAFETY WIRE	0
47.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	20
48.	Stainless Steel Hinge	W-HB	8
49.	Rubber Grommet (Teleflex Exit)	MS35489-17	2
50.	Tip Bow	W-TIP(9/10)	2
51.	Rib Clip, Leading Edge	W-RIB-CLIP-LE	20
52.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	414
53.	Rib Clip, Trailing Edge	W-RIB-CLIP-TE	20
54.	Foot Step Web	W-FSW	2
55.	3/16" Nut Plate	K-1000-3	8
56.	Rib Compression Tube **	W-RIB-CT	36
57.	Rib Gusset	RT-CLIP	72
58.	3/8" Clevis Pin	MS20392-5C101	2
59.	3/8" Clevis Pin	MS20392-5C71	2
60.	Loc Ring	RL 27 1/4	4
61.	TES Doubler	W-TES-D	2
62.	Leading Edge Spar Doubler	W-LES-D	2
63.	3/16" Tensile Nut	AN365-1032A	4
64.	FWD Strut Plate	W-SAP-LE	2
65.	1/4" Bolt	AN4-15A	4
66.	1/8" Aluminum Pop Rivet - Avex	1691-0410	16
67.	Spacer Bushing, 3/8" x 2", 31/32"	SB-3/8X3	6
68.	Spacer Bushing, 3/8" x 1", 31/32"	SB-3/8X2	6
69.	Foot Step Wear Plate	W-FSWP	2
70.	Foot Step Sub Plate	W-FSSP	2
71.	3/32" Aluminum Pop Rivet	40APR1/8	16
72.	Wing Rib Channel *	KPWI0234	1
73.	Upper Root Skin, RH	KPWI0235-R	1
73.	Upper Root Skin, LH	KPWI0235-L	1
74.	Upper Root Skin Scupper - Wing	KPWI0206	2
75.	Pitot Tube	W-ASI-P	1
76.	Static Tube	W-ST	1
77.	Attach Tang	U-ST001	1
78.	3/8" Line Clamp	FS-LCL 3/8	2
79.	1/4" Blue Pitot/Static Line	FS-FL	25 ft

*Builder must modify.

**Builder must fabricate from raw stock, see manual.

*** Builder Provided

11/5/2010



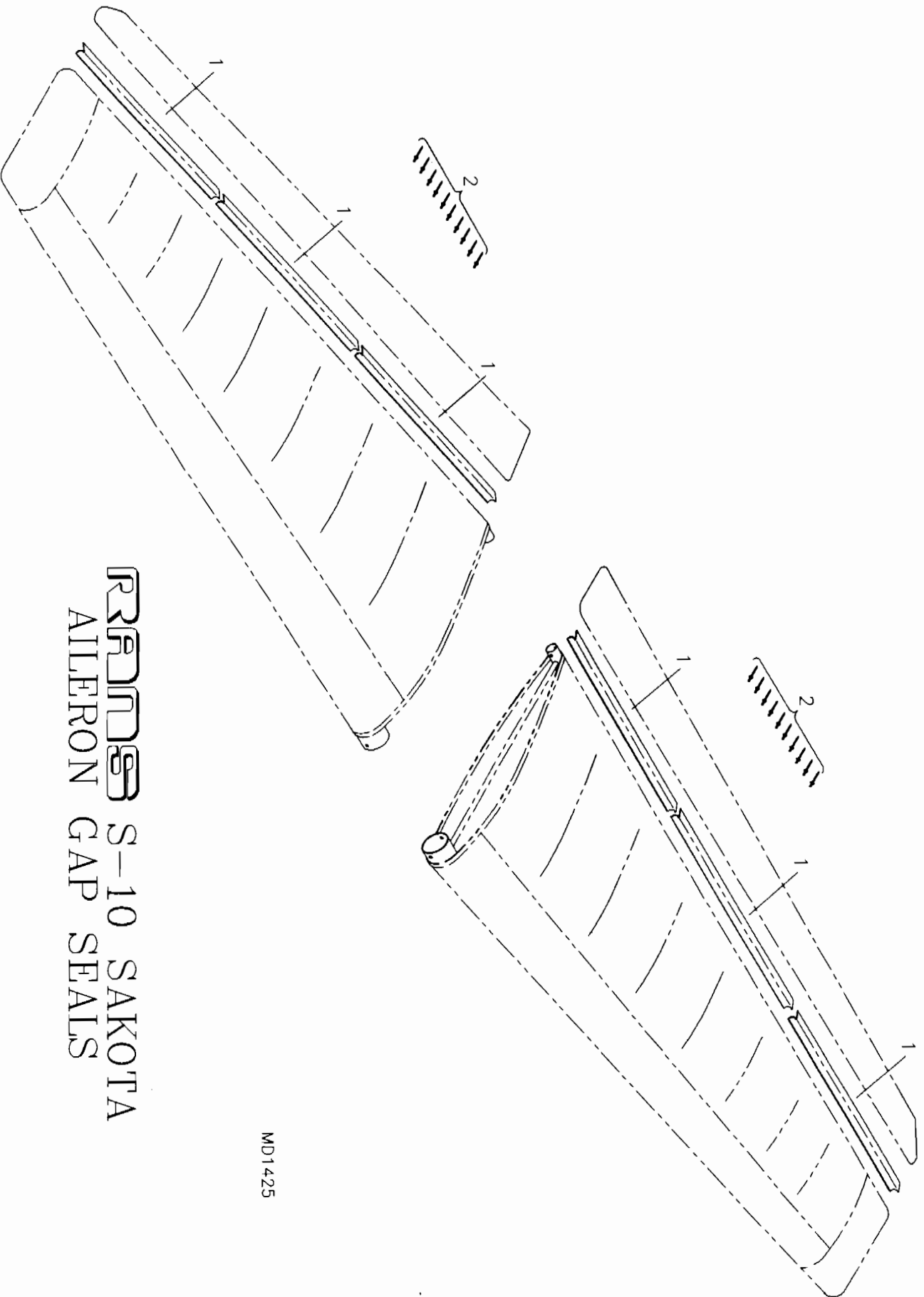
MD1573

SAKOTA S-10 WING TOP SIDE GAP SEAL AND ROOT TANG ASSEMBLY

S-10 SAKOTA - WING TOP SIDE GAP SEAL & ROOT TANG ASSEMBLY

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	18
2.	Trimlock	TRIM-LOC	52 in
3.	Gap Seal, .020 X 1 1/2" X 26"	W-GAP-S	2
4.	Root Tang *	W-ROOT-T	2
5.	3/16" Bolt	AN3-4A	4
6.	3/16" Shear Nut	AN364-1032A	4

*Installed during final post covering and painting.

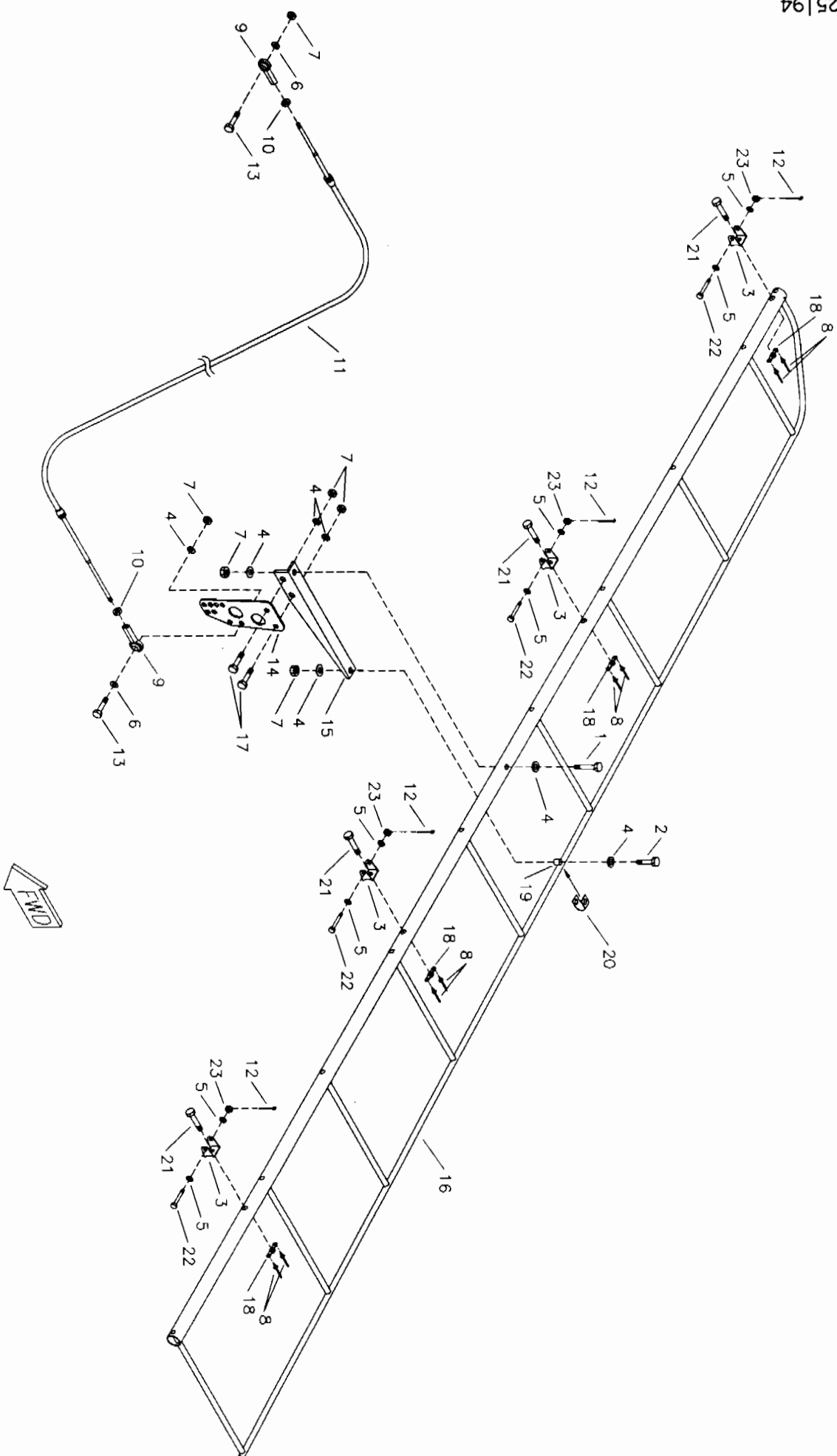


RRR S-10 SAKOTA
AILERON GAP SEALS

MD1425

S-10 SAKOTA - AILERON GAP SEALS

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Gap Seal	GAP-2	24 ft
2.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-44	20



REPAIR S-10 SAKOTA **AILERON ASSEMBLY**

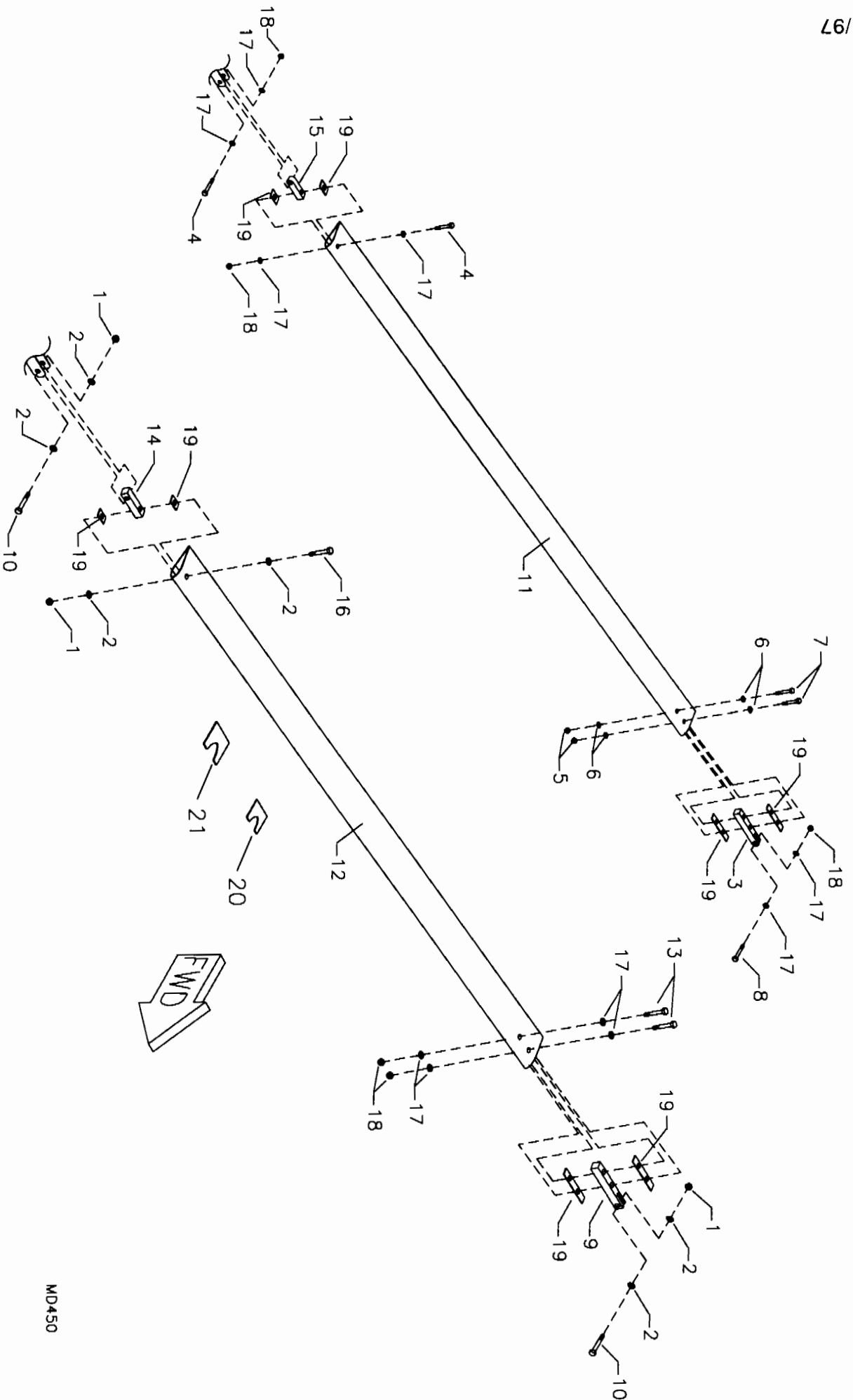
MD1354

S-10 SAKOTA - AILERONS

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-14A	2
2.	3/16" Bolt	AN3-10A	2
3.	Stainless Steel Hinge	W-HB	8
4.	3/16" Thin Washer	AN960-10L	12
5.	3/16" Thick Washer	AN960-10	16
6.	3/16" Plastic Washer	PW-3	4
7.	3/16" Shear Nut	AN364-1032A	12
8.	3/32" Aluminum Pop Rivet	40APR1/8	16
9.	Female Rod End	NF-3	4
10.	3/16" Stop Nut *	-----	4
11.	Aileron Teleflex, 11'	W-A-TELFX	2
12.	Small Cotter Pin	MS24665-134	8
13.	3/16" Bolt	AN3-7A	4
14.	Aileron Horn	UNI-HORN	2
15.	Aileron Horn Attach Angle, LH	S9-W-AHAA-L	1
15.	Aileron Horn Attach Angle, RH	S9-W-AHAA-R	1
16.	Aileron Frame	S9-W-AF	2
17.	3/16" Bolt	AN3-4A	4
18.	3/16" Nut Plate	K-1000-3	8
19.	Spacer Bushing, 1/4" X 1/2" **	SB-1/4X1/2	2
20.	Aileron Clip	W-A-CLIP	2
21.	3/16" Bolt	AN3-13A	8
22.	3/16" Bolt	AN3-15	8
23.	3/16" Castle Nut	AN310-3	8

*On Teleflex.

**Builder must fabricate from raw stock, see bushing sheet in manual.



R3000 S-10 SAKOTA **LIFT STRUT ASSEMBLY**

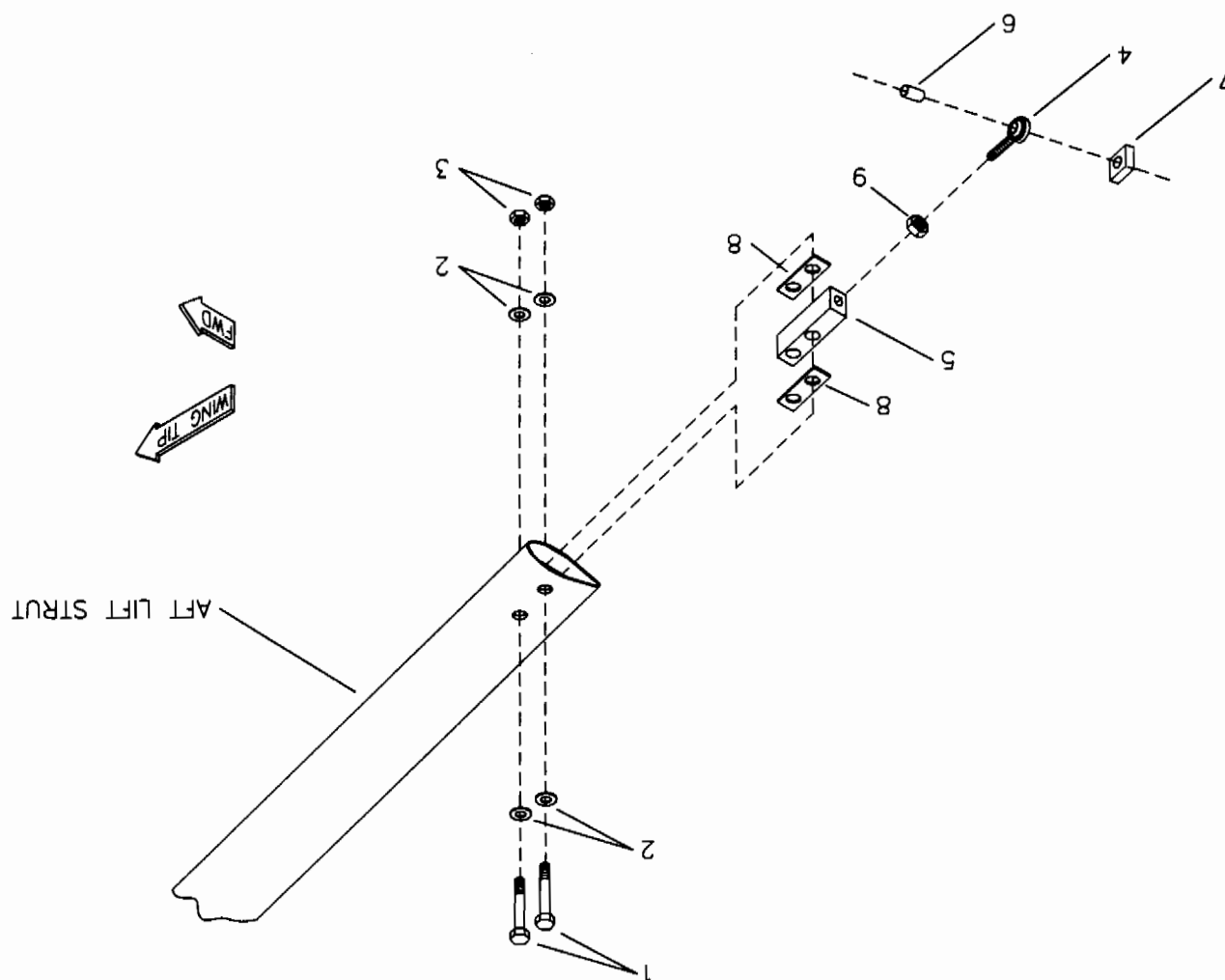
S-10 SAKOTA - LIFT STRUT ASSEMBLY

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Shear Nut	AN364-524A	6
2.	5/16" Thick Washer	AN960-516	12
3.	AFT Lift Strut Connector, Upper	LS-ACU	2
4.	1/4" Bolt (-2 Ad Struts)	AN4-13A	4
5.	3/16" Shear Nut	AN364-1032A	4
6.	3/16" Thin Washer	AN960-10L	8
7.	3/16" Bolt	AN3-13A	4
8.	1/4" Bolt	AN4-11A	2
9.	FWD Lift Strut Connector, Upper	LS-FCU	2
10.	5/16" Bolt	AN5-13A	4
11.	AFT Lift Strut	KPWI0068	2
12.	Forward Lift Strut	KPWI0064	2
13.	1/4" Bolt	AN4-15A	4
14.	Strut Connector, FWD Aluminum	LS-SC-F-ALUM	2
15.	Strut Connector, AFT Aluminum (-2 Ad Struts)	LS-SC-A-ALUM	2
16.	5/16" Bolt	AN5-15A	2
17.	1/4" Thin Washer (-4 Ad Struts)	AN960-416L	20
18.	1/4" Shear Nut (-2 Ad Struts)	AN364-428A	10
19.	Universal Shim *	UNV-SHIM	4
20.	Small Lift Strut Chord Template	KPLS0004	1
21.	Large Lift Strut Chord Template	KPLS0003	1

*Builder must fabricate from .020 raw stock.

RRMS S-10 SAKOTA OPTIONAL ADJUSTABLE LIFT STRUTS

WD1593
REV. A



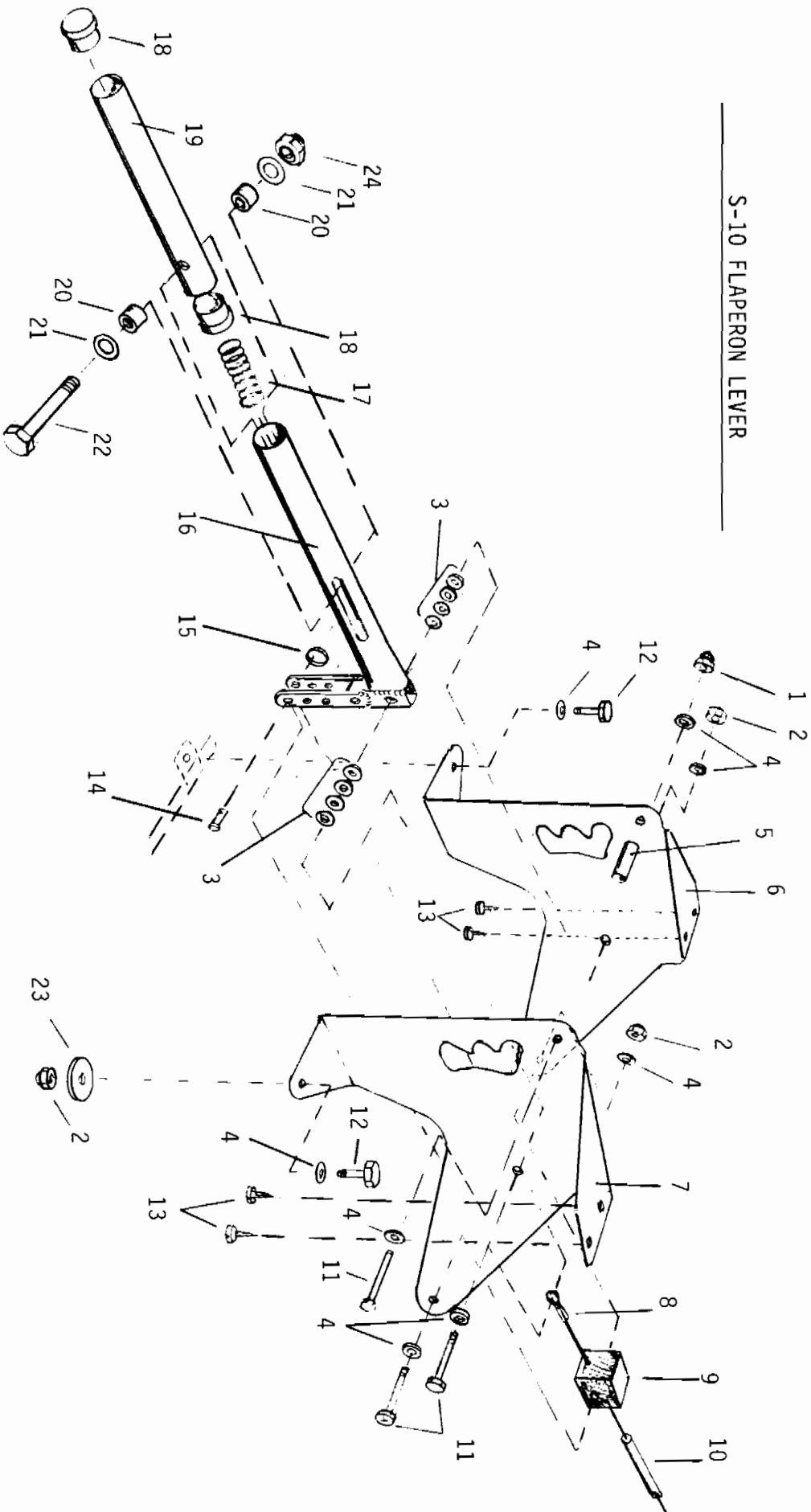
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-13A	4
2.	3/16" Thick Washer	AN960-10	8
3.	3/16" Shear Nut	AN364-1032A	4
4.	Rod End	3/8X24 ROD END	2
5.	Adjustor End	S-AE-3/4	2
6.	Spacer Bushing, 3/8" x .058 x 1/2" *	SB-3/8X1/2X058	2
7.	Square Spacer	KPAC0024	2
8.	Universal Hinge **	UNV-SHIM	2
9.	3/8" Plain Nut	MS35650-3382	2

*Builder must fabricate from raw stock.

**Make shims from .020 raw stock.

2/17/2006

S-10 FLAPERON LEVER



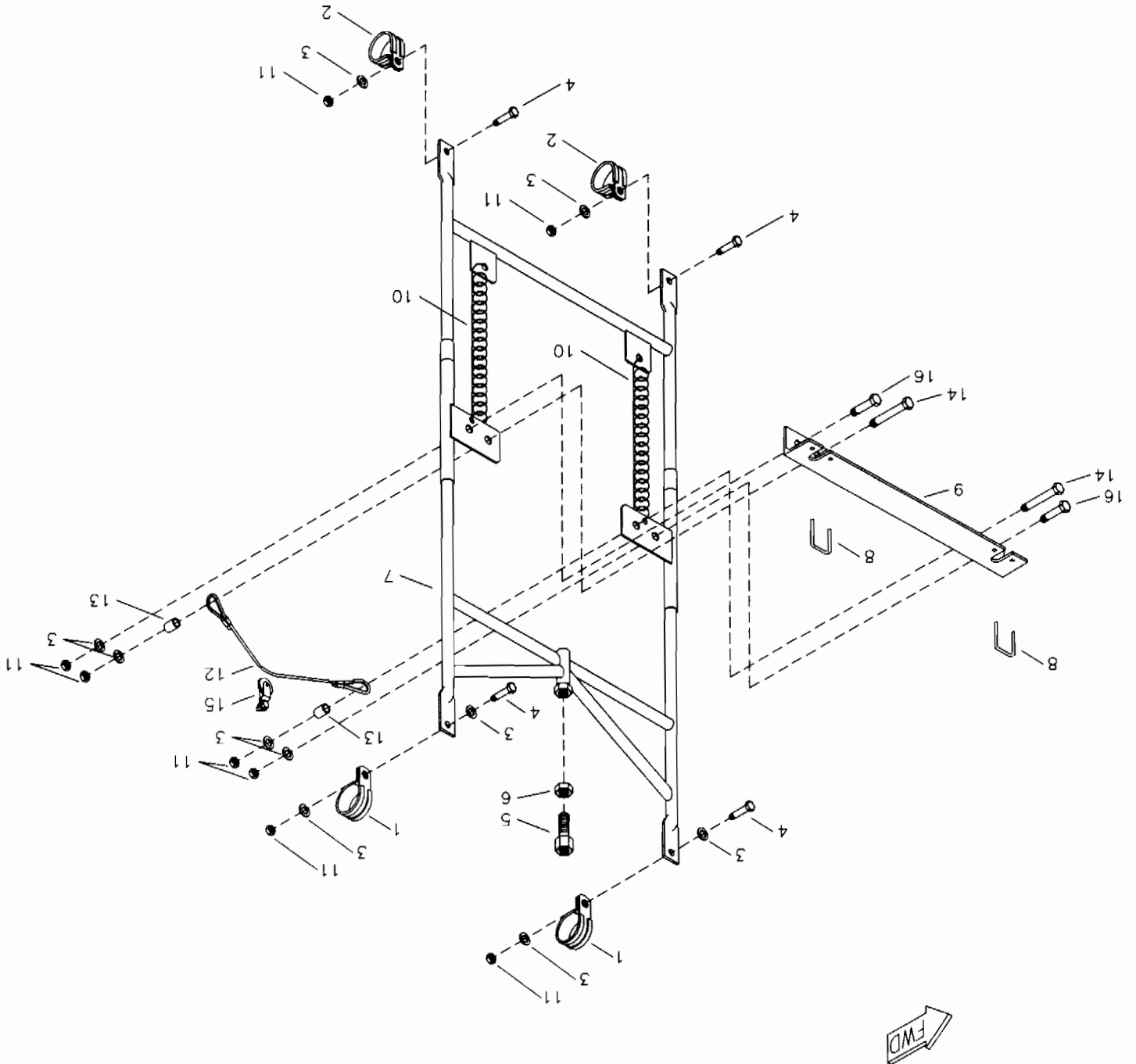
S-10 SAKOTA FLAPERON LEVER

#	Part Name	Part No.	Qty
1.	3/16" Shear Acorn Nut	22NKM02	1
2.	3/16" Shear Nut	AN364-1032A	3
3.	3/16" Thick Washer	AN960-10	8
4.	3/16" Thin Washer	AN960-10L	8
5.	Spacer Bushing, 3/8" X 7/8"	SB-3/8X7/8	1
6.	Side Plate, RH	FAL-SP-R	1
7.	Side Plate, LH	FAL-SP-L	1
8.	Flap Cable, 63"	FAL-CAB	1
9.	Stop Block	FAL-SB	1
10.	Cable Housing, 54"	CAB-H1/4	1
11.	3/16" Bolt	AN3-13A	3
12.	3/16" Bolt	AN3-6A	2
13.	#8 Pan Head Screw	8X1/2-PHS	4
14.	Clevis Pin	MS20392-2C17	1
15.	Loc Ring	RL 27 1/4	1
16.	Flap Lever	FAL-FL	1
17.	Spring	C-21	1
18.	3/4" End Cap	3/4 ENDCAP	2
19.	Trip Tube	FAL-TT	1
20.	Spacer Bushing, 3/8" X 3/8"	SB-3/8X3/8	2
21.	1/4" Thin Washer	AN960-416L	2
22.	1/4" Bolt	AN4-17A	1
23.	3/16" Large Wood Washer	AN970-3	1
24.	1/4" Shear Nut	AN364-428A	1

*Fabricate, see bushing sheet in manual.

RUNS S-10 SAKOTA FLAPERON MIXER ASSEMBLY

MD1353

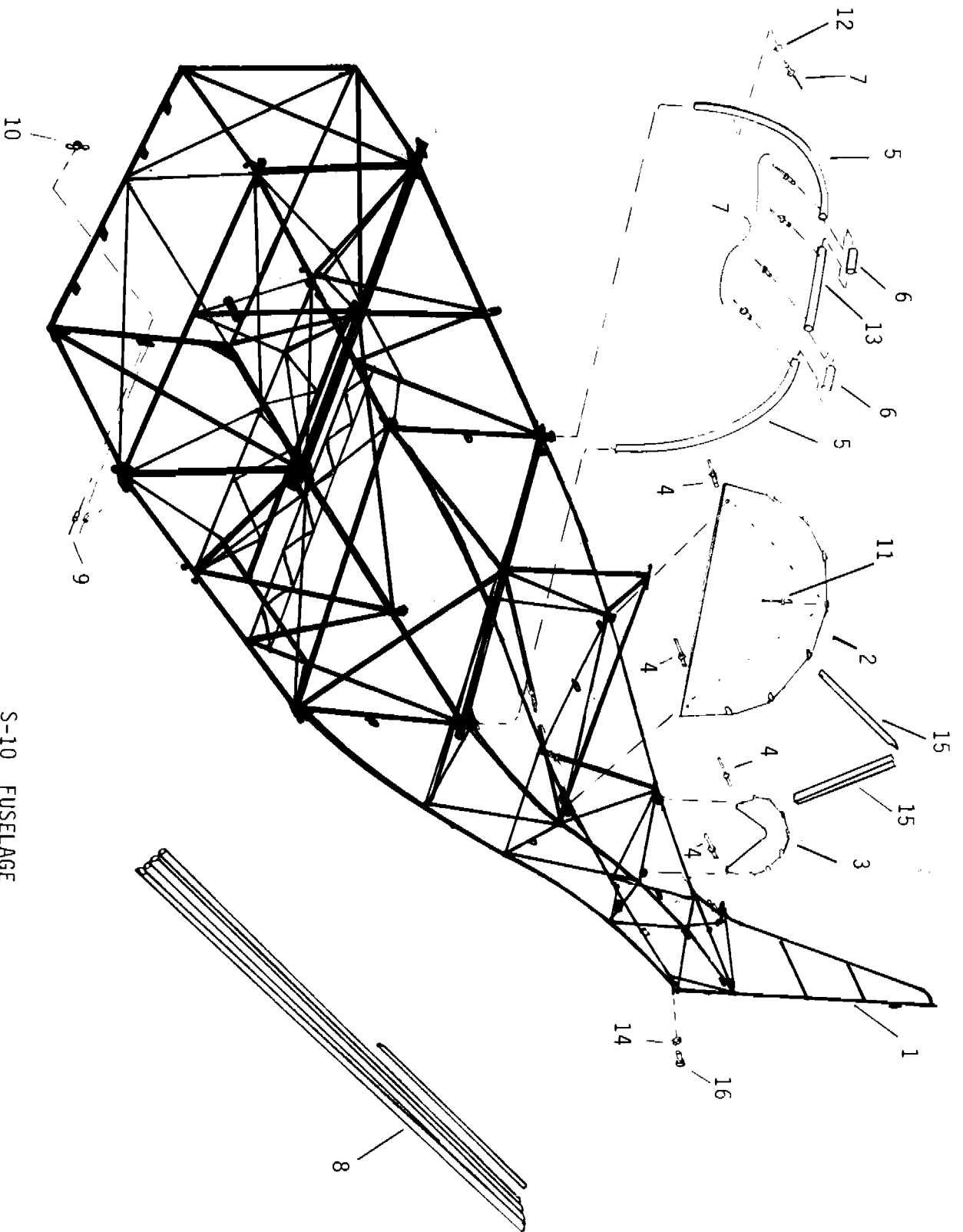


#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1" Cushioned Tube Clamp	MS21919-DG16	2
2.	3/4" Cushioned Tube Clamp	MS21919-DG12	2
3.	3/16" Thin Washer	AN960-10L	10
4.	3/16" Bolt	AN3-5A	4
5.	Adjustable Cable Ferrule	2373	1
6.	1/4" Plain Nut	AN345-416	1
7.	Flaperon Slider Assembly	FAL-SL-ASSY	1
8.	Retainer Clip (Bend from Brass Wire) *	TEL-CLIP	2
9.	Teleflex Retainer Angle	W-AIL-TEL-R	1
10.	Flap Return Spring	FL-FLAP-SPR	2
11.	3/16" Shear Nut	AN364-1032A	8
12.	Retainer Cable	FAL-RCAB	1
13.	Spacer Bushing, 1/4" x 1/4" **	SB-1/4X1/4	2
14.	3/16" Bolt	AN3-6A	2
15.	Cable Retainer	FAL-CR	1
16.	3/16" Bolt	AN3-4A	2

*Fabricate.

**Builder must fabricate from raw stock, see bushing sheet in manual.

8/25/1997

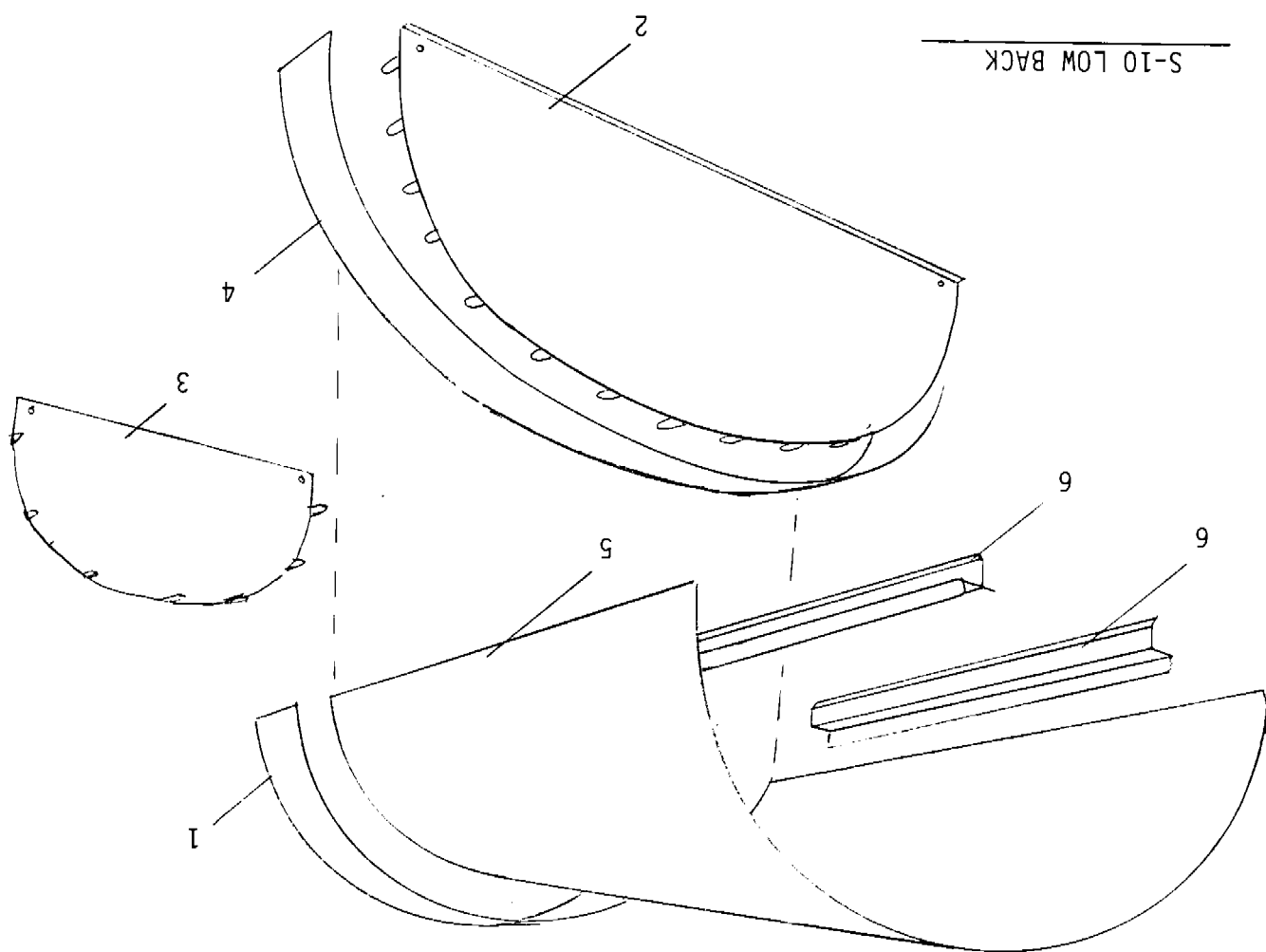


S-10 FUSELAGE

S-10 SAKOTA - FUSELAGE

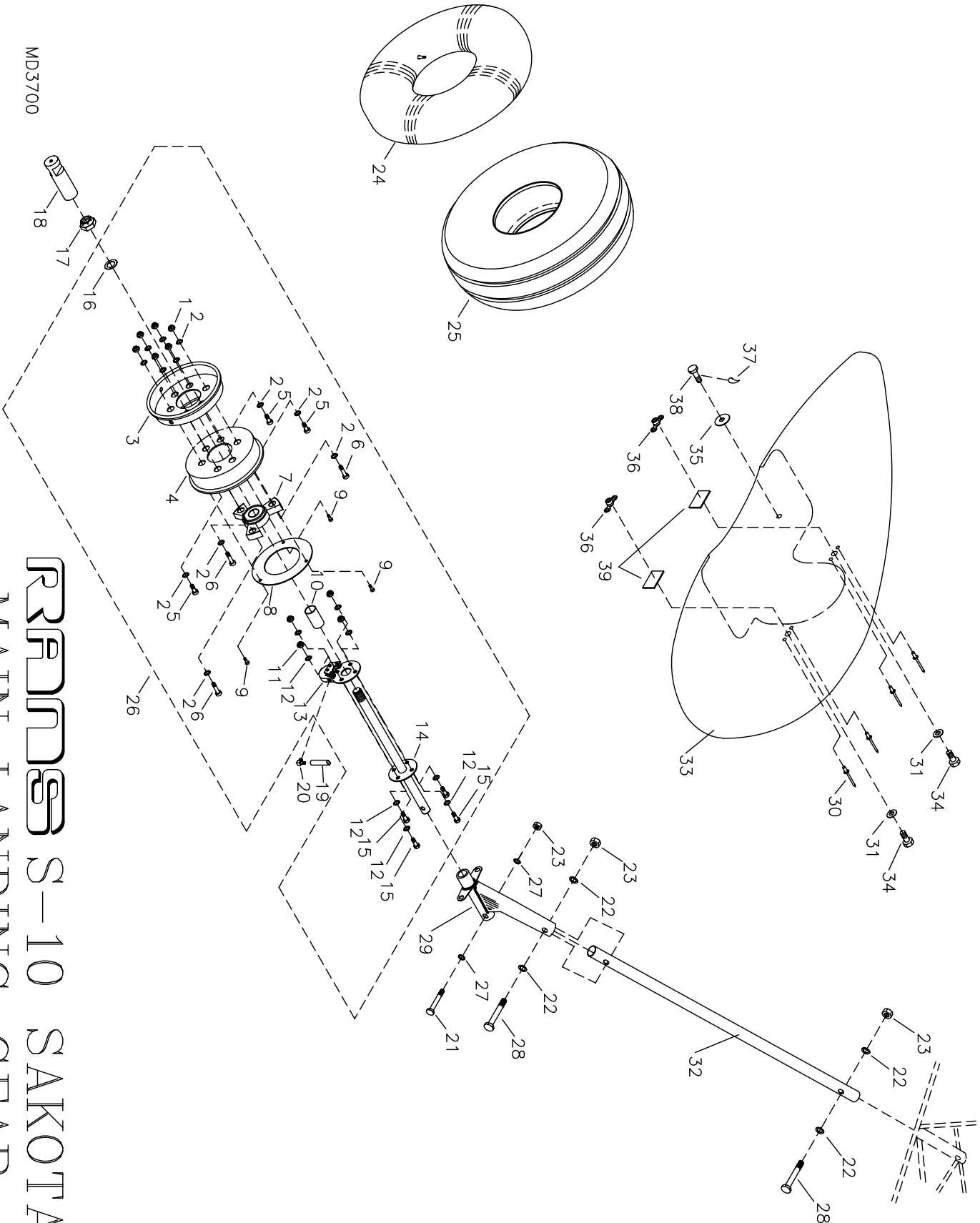
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Fuselage	F-FUS	1
2.	Former A (-1 Low Back)	F-TDF-A(10)	1
3.	Former B (-1 Low Back)	F-TDF-B(10)	1
4.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	4
5.	Canopy Former	WS-CF	1
6.	Splice Tube, 3/4"	F-ST-3/4	2
7.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	11
8.	1/2" X .035 Aluminum Tube (Qty 7) 12 ft *	1/2-TUBE	88 ft
8.	1/2" X .035 Aluminum Tube (Qty 1) 4 ft *	1/2-TUBE-4	0
9.	3/32" Aluminum Pop Rivet	40APR1/8	26
10.	3/16" Nut Plate	K-1000-3	13
11.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	40
12.	3/16" Thick Washer	AN960-10	7
13.	Canopy Former Expander Tube	WS-CF-ET	1
14.	1/4" Plain Nut	AN345-416	2
15.	Aluminum Angles, 3/4" X 3/4" X 1/8" (-2 Low Back)	F-AA-18	2
16.	1/4" Plain Bolt *	1/4X1 BOLT	2

*Fabricate.



S-10 SAKOTA LOW BACK

#	Part Name	Part No.	Qty
1.	AFT Window Molding Strip	LB-AWMS	1
2.	Former A	LB-TDF-A	1
3.	Former B	LB-TDF-B	1
4.	Window Receiver Strip	LB-WRS	1
5.	AFT Window	LB-AFTW	1
6.	AFT Window "Z" Strip	LB-AFTW-Z	2



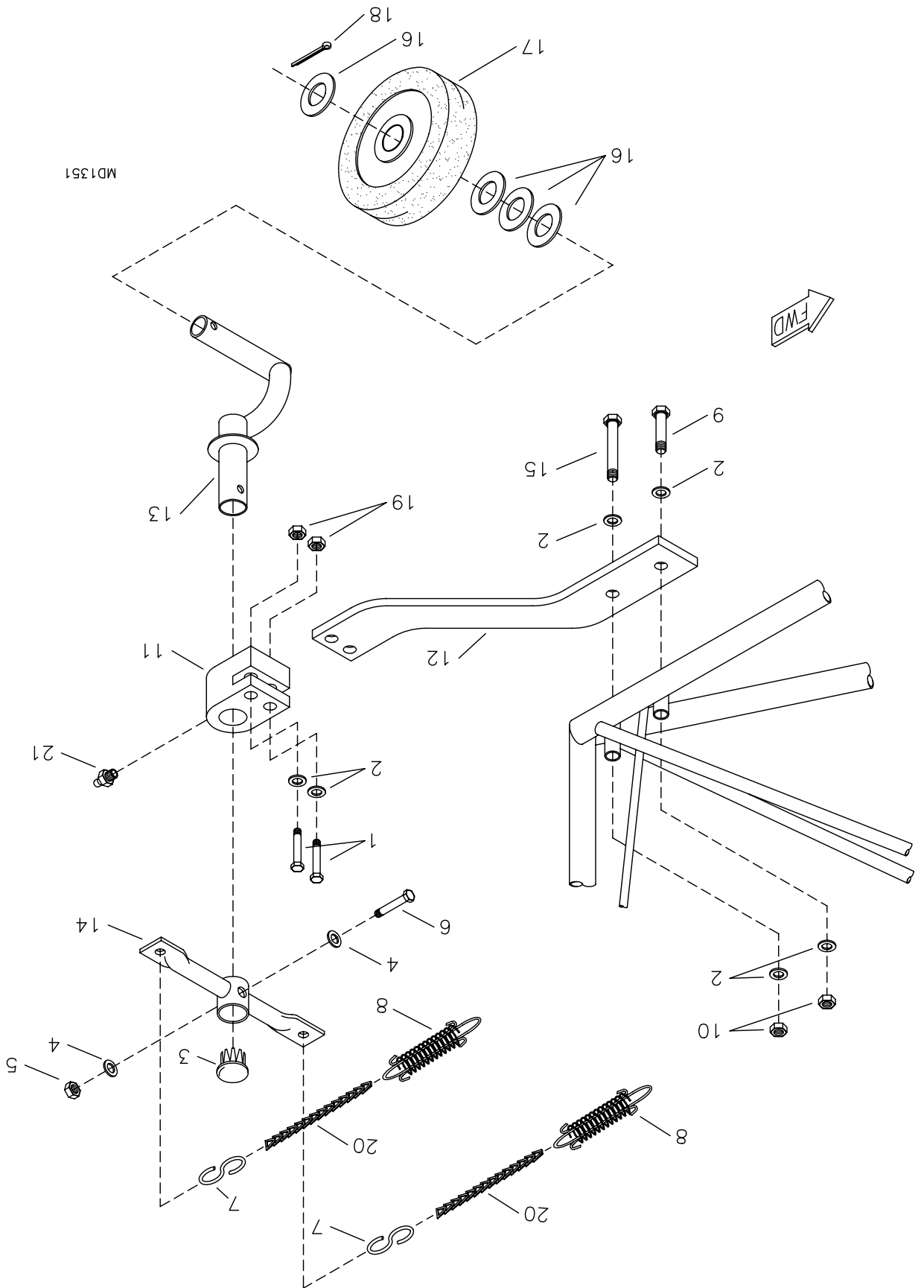
RRMD S-10 SAKOTA
MAIN LANDING GEAR

MD3700

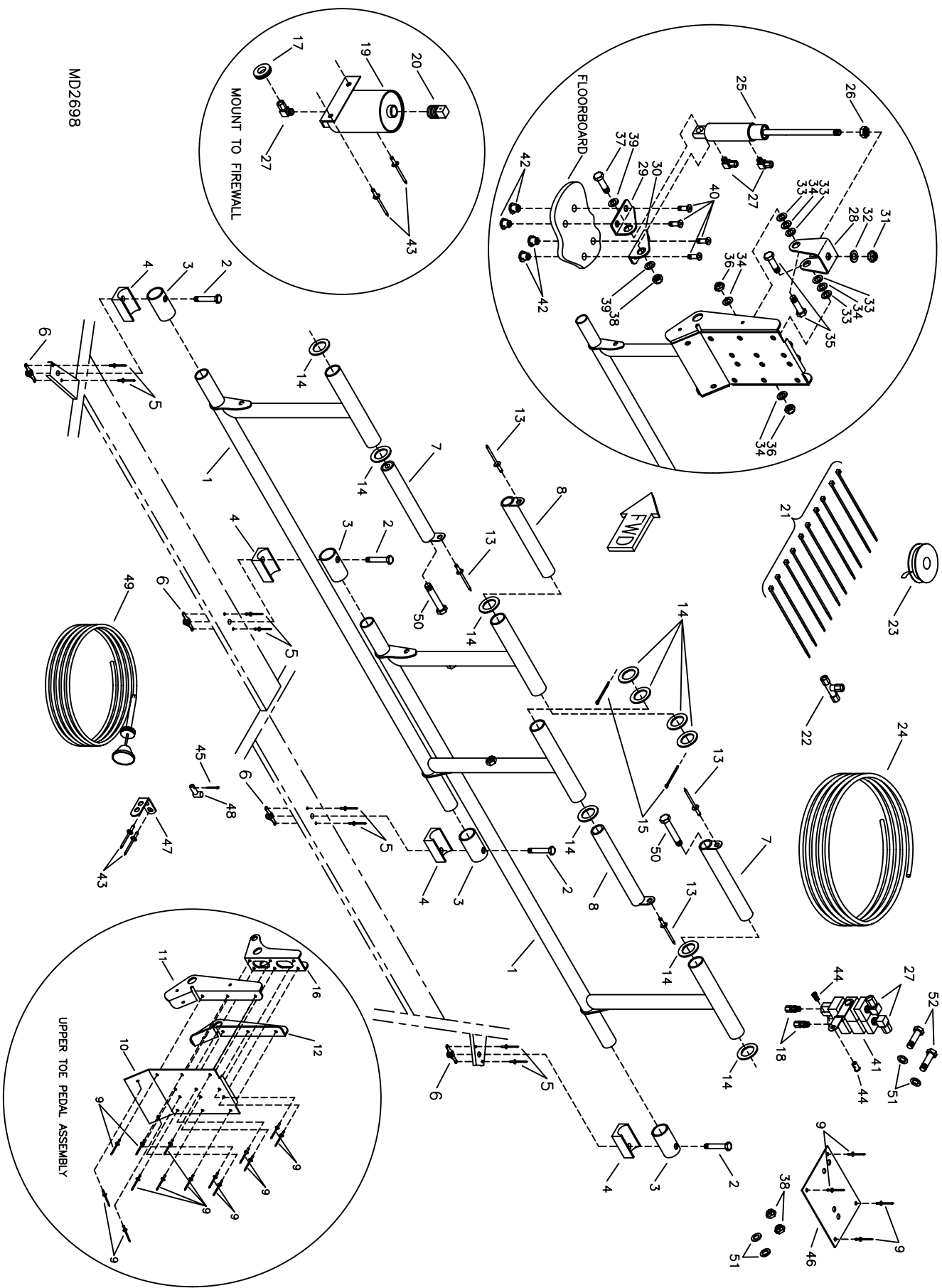
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Loc Nut *	KSBS0008-1	0
2.	Washer *	KSBS0008-2	0
3.	Wheel - Outside *	KSBS0008-3	0
4.	Wheel - Inside *	KSBS0008-4	0
5.	Short Hub Bolt *	KSBS0008-5	0
6.	Long Hub Bolt *	KSBS0008-6	0
7.	Bearing Hub *	KSBS0008-7	0
8.	Brake Disc *	KSBS0008-8	0
9.	Disc Attach Bolt *	KSBS0008-9	0
10.	Sleeve *	KSBS0008-10	0
11.	Loc Nut *	KSBS0008-11	0
12.	Washer *	KSBS0008-12	0
13.	Caliper Assembly *	KSBS0008-13	0
14.	Axle *	KSBS0008-14	0
15.	Spindle Bolt *	KSBS0008-15	0
16.	Washer *	KSBS0008-16	0
17.	5/8" Loc Nut	5/8 LOC NUT	2
18.	5" Axle Extender	KPMG0103	2
19.	Brake Line, See Toe Brake Assembly	KSBS0004	0 ft
20.	90 Fitting	KSBS0001	2
21.	1/4" Bolt	AN4-12A	2
22.	1/4" Thick Washer	AN960-416	8
23.	1/4" Shear Nut	AN364-428A	6
24.	Tire Tube, 5"	LG-TUBE	2
25.	Tire, 5"	LG-T-9/10	2
26.	Hydraulic Brake Assembly, 5"	KSBS0008	1
27.	1/4" Thin Washer	AN960-416L	4
28.	1/4" Bolt	AN4-17A	4
29.	Main Gear Axle Socket	LG-A-SOC	2
30.	3/32" Aluminum Pop Rivet	40APR1/8	8
31.	3/16" Thin Washer	AN960-10L	4
32.	Gear Leg	LG-GL	2
33.	Wheel Pants	LG-W-PANT	2
34.	3/16" Bolt	AN3-4A	4
35.	1/4" Large Washer	AN970-4	2
36.	3/16" Nut Plate	K-1000-3	4
37.	Loctite Blue	LOC-TITE	0
38.	1/4" Bolt	AN4-4A	2
39.	Raw Stock Kit - Wheel Pants	KAAC0011	1

*Supplied pre-assembled to KSBS0008.

RPM S-10 SAKOTA TAILWHEEL ASSEMBLY



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-17A	2
2.	1/4" Thick Washer	AN960-416	6
3.	7/8" End Cap	CS-EC	1
4.	3/16" Thin Washer	AN960-10L	2
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.	1/4" Bolt	AN4-16A	1
10.	1/4" Tensile Nut	AN365-428A	2
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" Bolt	AN4-23A	1
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	1



MD2698

SAKOTA S-10 HYDRAULIC BRAKE SYSTEM

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Rudder Pedal	KPCS0066	2
2.	3/16" Bolt	AN3-13A	4
3.	Rudder Pedal Bushing	KPCS0017	4
4.	Brake Saddle	KPCS0024	4
5.	3/32" Aluminum Pop Rivet	40APR1/8	8
6.	3/16" Nut Plate	K-1000-3	4
7.	Swivel Bushing	KPCS0075	2
8.	Swivel Bushing	KPCS0056	2
9.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	60
10.	Rudder Pedal - Web	KPCS0063	4
11.	Rudder Pedal - Hinge Plate, LH	KPCS0064-L	4
12.	Rudder Pedal - Hinge Plate, RH	KPCS0064-R	4
13.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-62	4
14.	1/2" Plastic Washer	KSAC0005	12
15.	Large Cotter Pin	MS24665-285	2
16.	Rudder Pedal - Cylinder Attach Bracket	KPCS0065	4
17.	Grommet	MS35489-6	1
18.	Straight Fitting	KSBS0002	2
19.	Aluminum Hydraulic Reservoir	KSBS0034	1
20.	Vented 1/8" Cap Plug ***	-----	0
21.	Zip Ties	ZIP TIES	10
22.	Tee Fitting	KSBS0003	1
23.	Teflon Tape / Sealant **	-----	0
24.	Hydraulic Brake Line	KSBS0004	28 ft
25.	Master Cylinder - Brake	KSBS0031	4
26.	5/16" Plain Nut *	-----	0
27.	90 Fitting	KSBS0001	11
28.	Stainless Steel U Bracket	SU-118	4
29.	Brake Mount Bracket, LH	B-MBRKT-L	4
30.	Brake Mount Bracket, RH	B-MBRKT-R	4
31.	5/16" Shear Nut	AN364-524A	4
32.	5/16" Thin Washer	AN960-516L	4
33.	1/4" Thin Washer	AN960-416L	16
34.	1/4" Thick Washer	AN960-416	16
35.	1/4" Bolt	AN4-5A	8
36.	1/4" Shear Nut	AN364-428A	8
37.	3/16" Bolt	AN3-10A	4
38.	3/16" Shear Nut	AN364-1032A	6
39.	3/16" Thick Washer	AN960-10	8
40.	8-32 Pan Head Machine Screw	KSHW0008	16
41.	Parking Brake	KSBS0007	1
42.	8-32 Tee Nut	KSHW0007	16
43.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
44.	Wire Swivel/Screw Stop	2361	1
45.	Small Cotter Pin	MS24665-134	1

*Supplied with Master Cylinder.

**Builder provides.

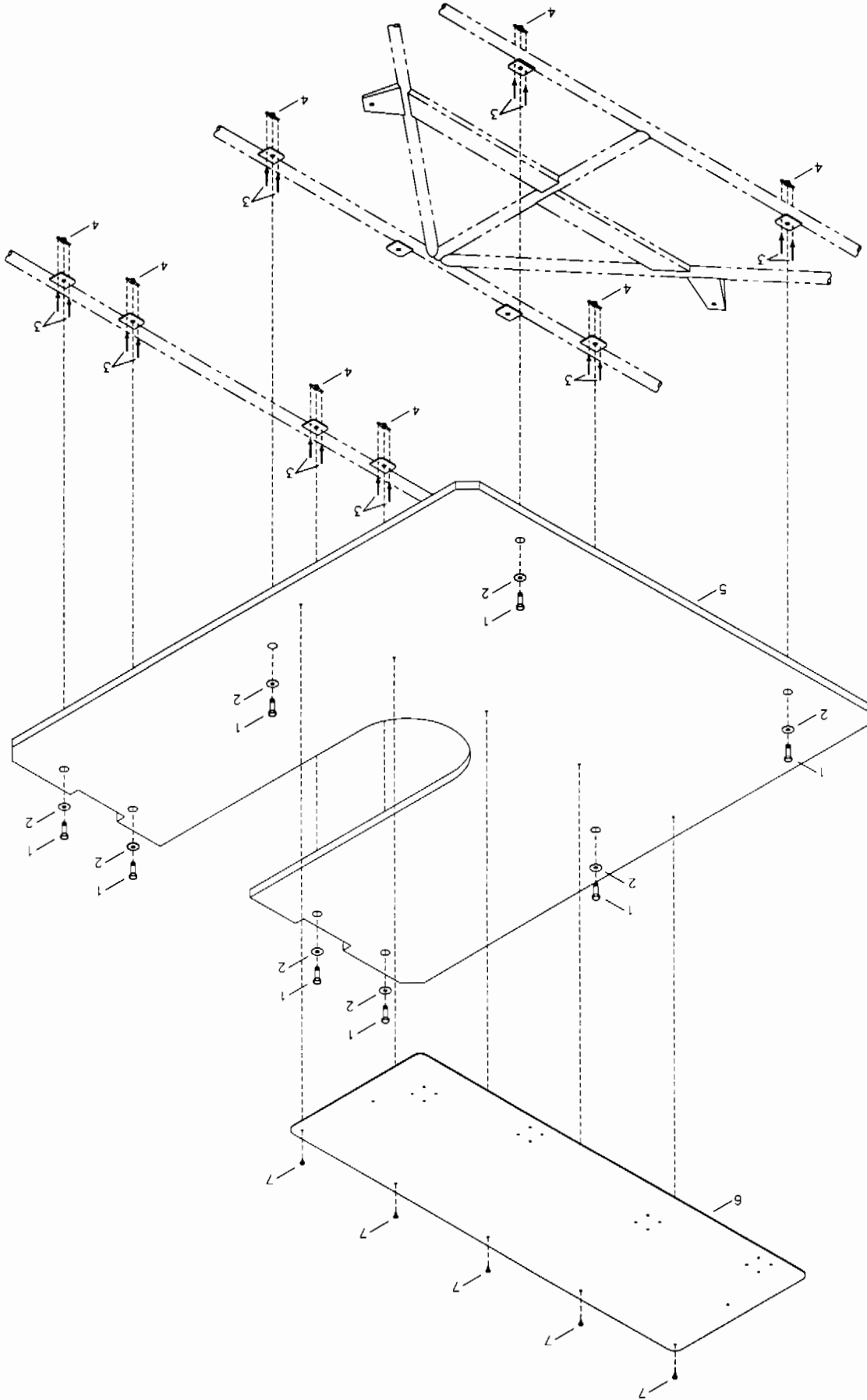
***Supplied with Brake Reservoir

11/5/2010

#	DESCRIPTION	PART NUMBER	QUANTITY
46 .	Park Brake Backing Plate	KPBS0008	1
47 .	Cable Housing Swivel Stop Bracket	KPBS0010	1
48 .	Cable Housing Swivel Stop	KPBS0009	1
49 .	Parking Brake Control Cable	4-336	1
50 .	3/16" Bolt	AN3-15	2
51 .	3/16" Thin Washer	AN960-10L	4
52 .	3/16" Bolt	AN3-12A	2

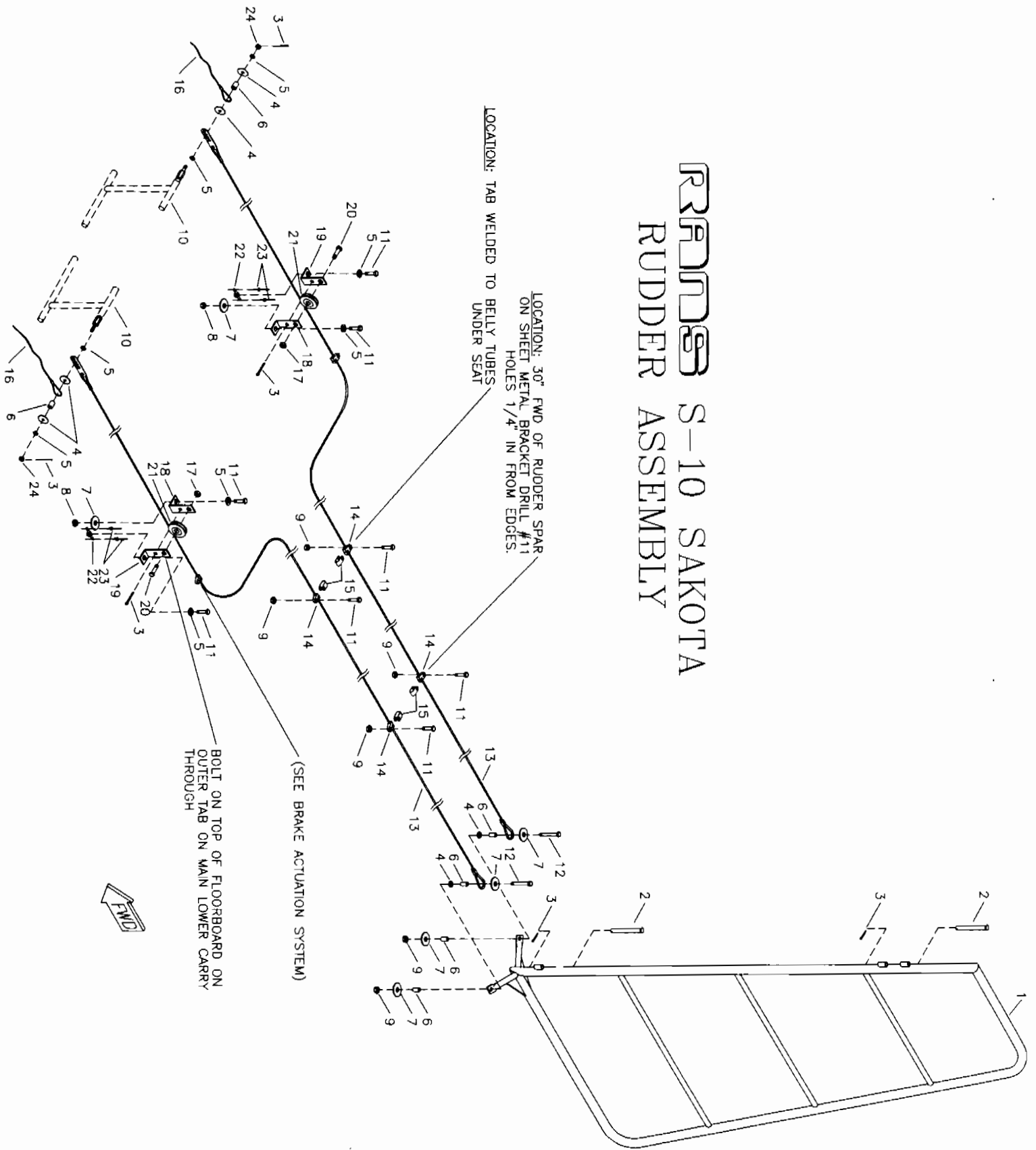
RPM S-10 SAKOTA FLOORBOARD INSTALLATION

MD2699



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-5A	8
2.	3/16" Large Washer	AN970-3	8
3.	3/32" Aluminum Pop Rivet	40APR1/8	16
4.	3/16" Nut Plate	K-1000-3	8
5.	Floorboard	FB-FB(10)	1
6.	Wear Plate - Hydraulic Brakes	KPFU0183	1
7.	#4 Small Pan Head Screw	4X1/4 PHS	5

RRR S-10 SAKOTA RUDDER ASSEMBLY



S-10 SAKOTA - RUDDER SYSTEM

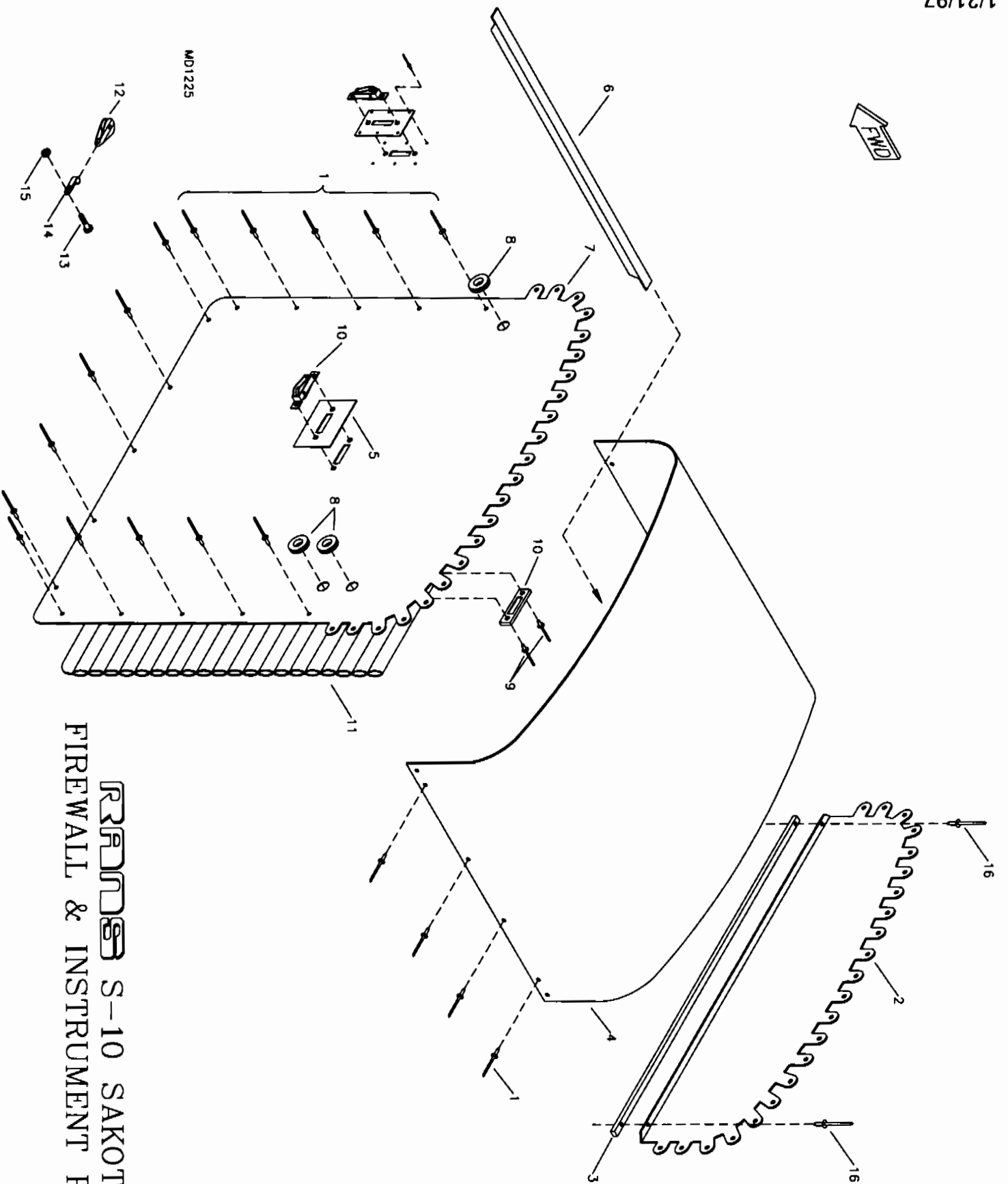
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Rudder Frame	R-RF	1
2.	1/4" Clevis Pin	MS20392-3C65	2
3.	Small Cotter Pin	MS24665-134	4
4.	3/16" Plastic Washer	PW-3	2
5.	3/16" Thin Washer	AN960-10L	8
6.	1/4" X 1/4" Bushing *	SB-1/4X1/4	6
7.	3/16" Large Wood Washer	AN970-3	4
8.	3/16" Shear Nut	AN364-1032A	6
9.	3/16" Tensile Nut	AN365-1032A	6
10.	See Rudder Pedal Assembly	-----	0
11.	3/16" Bolt ****	-----	0
12.	3/16" Bolt	AN3-11A	2
13.	Rudder Cable	KARD0006	2
14.	Cable Guide	HA-144	4
15.	Guide Keeper **	R-GK	4
16.	Rudder Return Bungee	FB-RRB	2
17.	3/16" Shear Acorn Nut	22NKM02	2
18.	Pulley Bracket Inside ***	R-PMBI	2
19.	Pulley Bracket Outside ***	R-PMBO	2
20.	3/16" Bolt	AN3-5A	2
21.	Small Pulley	AN210-1A	2
22.	3/16" Nut Plate	K-1000-3	2
23.	3/32" Aluminum Pop Rivet	40APR1/8	4
24.	3/16" Castle Nut	AN310-3	2

*Fabricate, see bushing sheet in manual.

**Fabricate as per step #2.

***See sheet FAB-8.

****Reference Brake Actuation.



RRR S-10 SAKOTA
FIREWALL & INSTRUMENT PANEL

S-10 SAKOTA - FIREWALL & INSTRUMENT PANEL

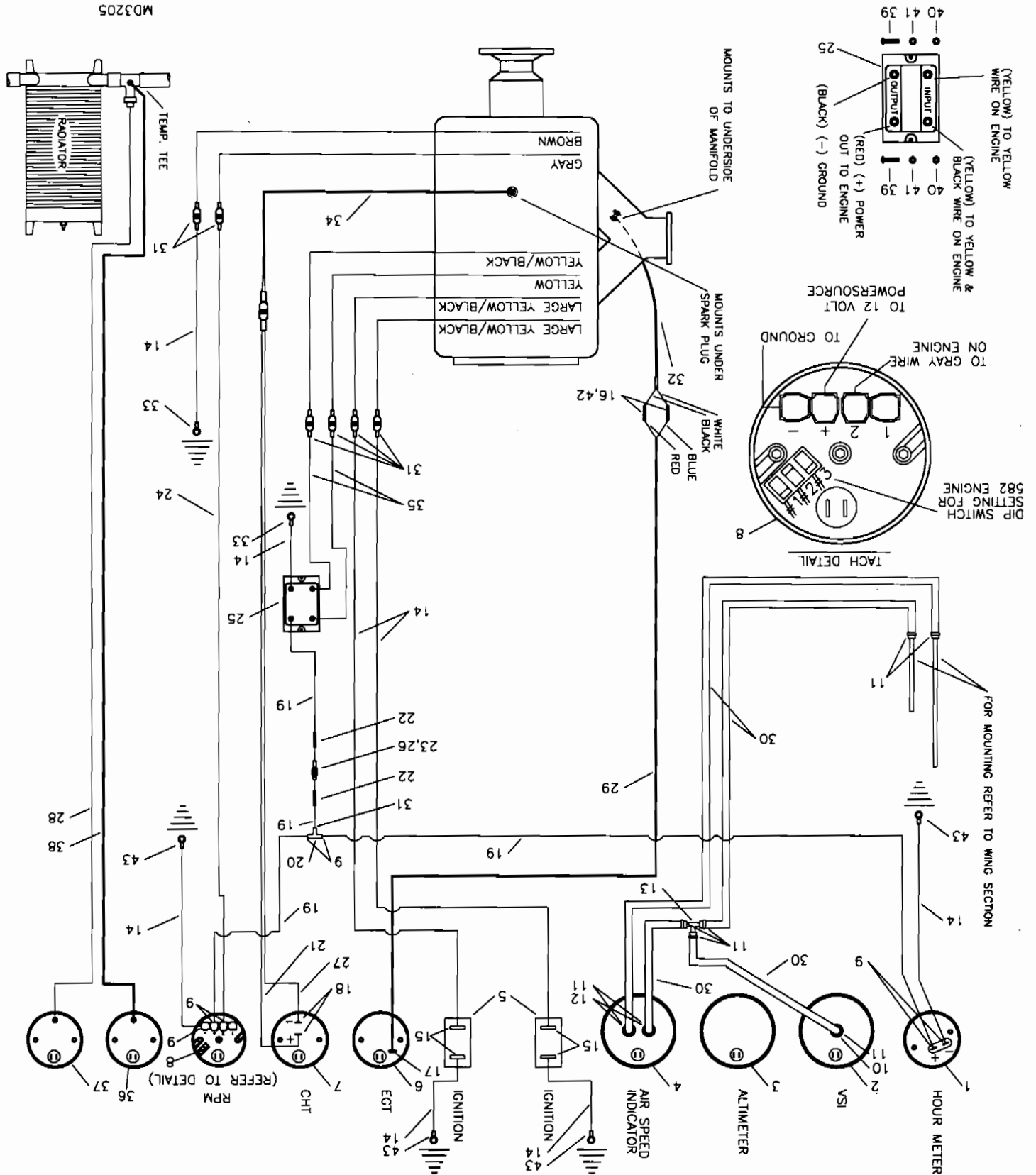
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	68
2.	Instrument Panel	IP-IP	1
3.	Foam Strip, 1/4" X 3/8"	FW-FS	36 in
4.	FWD. Section Top Wrap	FW-TW(10)	1
5.	Reinforcing Plate (-1 Elect Start) *	S1-FPP	1
6.	Top Wrap Channel (S-10 Only)	FW-TOP-CH	1
7.	Firewall	FW-FW(10)	1
8.	Rubber Grommet	MS35489-17	3
9.	3/16" Aluminum Pop Rivet-Cherry Q (-2 Elct Strt) *	AAPQ-64	2
10.	Firewall Pulley (-1 Elect Start) *	106	1
11.	Firewall Soundproofing, 37" X 26"	FW-SP(10)	1
12.	Pulley *	KSHW0040	1
13.	3/16" Bolt (-1 Elect Start) *	AN3-4A	1
14.	Jib Strap *	RL-319	1
15.	3/16" Shear Nut (-1 Elect Start) *	AN364-1032A	1
16.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	2

*Delete with electric starter option.

**Builder must fabricate from raw stock, see manual.

582 INSTRUMENTS AND ELECTRICAL RPM S-10 SAKOTA WITHOUT ELECTRIC START

MD3205



S-10 SAKOTA - 582 INSTRUMENTS & ELECTRICAL - WITHOUT ELECTRIC START

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

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Hour Meter *	KSPW0022	1
2.	Vertical Speed Indicator (Feet per Minute) *	KSAV0008	1
2.	Vertical Speed Indicator (Meters per Second) *	KSAV0009	1
3.	Altimeter *	KSAV0001	1
3.	Altimeter with Window *	KSAV0002	1
3.	Altimeter with Millibar - Metric *	KSAV0003	1
4.	Air Speed Indicator, 0-150 *	KSAV0005	1
5.	Ignition Switch	MS35058-22	2
6.	Exhaust Gas Temperature Gauge *	KSPW0008	1
7.	Cylinder Head Temperature Gauge *	KSPW0010	1
7.	Dual Cylinder Head Temperature Gauge *	KSPW0012	1
8.	RPM Gauge	KSPW0028	1
9.	14 Gauge Female Spade Terminal, Blue	IP-7128	7
10.	90 Withdrawal Fitting	8342	1
11.	Line Clamp, 3/8"	FS-LCL 3/8	8
12.	Straight Withdrawal Fitting	8330	2
13.	Line Tee	8338	1
14.	14 Gauge Black Wire	14 GA WIRE/BLACK	20 ft
15.	14 Gauge Eye Terminal, Blue 5/32"	KSES0003	4
16.	Female Bullet Terminal	02-09-1103	4
17.	EGT End Plug **	KSPW0008-1	0
18.	Female Terminal ***	KSPW0010-1	0
19.	14 Gauge Red Wire	14 GA WIRE/RED	18 ft
20.	Terminal Y Connector, Brass	IP-YC	1
21.	CHT Wire, Red ***	KSPW0010-2	0
22.	14 Gauge Splice, Butt Connector	IP-7132	2
23.	25 AMP Fuse	KSES0020-25	1
24.	14 Gauge White Wire	14 GA WIRE/WHITE	6 ft
25.	Regulator/Rectifier	KSES0005	1
26.	14 Gauge, In Line Fuse Holder	KSES0019	1
27.	CHT Wire, Black ***	KSPW0010-4	0
28.	Coolant Temperature Probe *****	KSPW0014-1	0
29.	EGT Wires **	KSPW0008-2	0
30.	1/4" Fuel/Pitot/Static Line, Blue	FS-FL	25 ft
31.	14 Gauge Male Spade Terminal, Blue	IP-7126	7
32.	EGT Probe **	KSPW0008-3	0
33.	14 Gauge Eye Terminal, Blue 1/4"	1/4 EYE 14 GA	2
34.	CHT Probe ***	KSPW0010-3	0
35.	14 Gauge Yellow Wire	14 GA WIRE/YELLOW	6 ft
36.	Coolant Pressure Gauge	KSPW0021	1
37.	Coolant Temperature Gauge *	KSPW0014	1
38.	1/8" Black Coolant Pressure Line ****	KSFS0001	0 ft
39.	Pan Head Phillips Bolt (10-32)	KSHW0006	2
40.	3/16" Shear Nut	AN364-1032A	2
41.	3/16" Large Washer	AN970-3	2
42.	Shrink Wrap	KSAC0009	1 ft
43.	14 Gauge Eye Terminal, Blue 3/16"	IP-7102	4

*Optional gauge.

**Supplied with EGT.

***Supplied with CHT.

*****Referenced from cooling system.

*****Supplied with coolant temperature gauge.

S-10 SAKOTA - 582 INSTRUMENT & ELECTRICAL - WITH OPTIONAL ELECTRIC START

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

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Hour Meter *	KSPW0022	1
2.	Vertical Speed Indicator (Feet per Minute) *	KSAV0008	1
2.	Vertical Speed Indicator (Meters per Second) *	KSAV0009	1
3.	Altimeter *	KSAV0001	1
3.	Altimeter with Window *	KSAV0002	1
3.	Altimeter with Millibar - Metric *	KSAV0003	1
4.	Air Speed Indicator, 0-150 *	KSAV0005	1
5.	Ignition Switch	MS35058-23	2
6.	Exhaust Gas Temperature Gauge *	KSPW0008	1
7.	Cylinder Head Temperature Gauge *	KSPW0010	1
7.	Dual Cylinder Head Temperature Gauge *	KSPW0012	1
8.	RPM Gauge	KSPW0028	1
9.	14 Gauge Female Spade Terminal, Blue	IP-7128	5
10.	90 Withdrawal Fitting	8342	1
11.	Line Clamp, 3/8"	FS-LCL 3/8	8
12.	Straight Withdrawal Fitting	8330	2
13.	1/4" Fuel/Pitot/Static Line, Blue	FS-FL	25 ft
14.	14 Gauge Eye Terminal, Blue 3/16"	IP-7102	7
15.	14 Gauge Black Wire	14 GA WIRE/BLACK	20 ft
16.	14 Gauge Eye Terminal, Blue 5/32"	KSES0003	6
17.	EGT End Plug **	KSPW0008-1	0
18.	Female Terminal ***	KSPW0010-1	0
19.	CHT Wire, Black ***	KSPW0010-4	0
20.	CHT Wire, Red ***	KSPW0010-2	0
21.	14 Gauge Red Wire	14 GA WIRE/RED	18 ft
22.	Key Start Switch	25-6	1
23.	14 Gauge Eye Terminal, Blue 1/4"	1/4 EYE 14 GA	2
24.	4 Gauge Eye Cable Terminal	4 GA CABLE LUG	8
25.	4 Gauge Battery Cable, Black Wire	4 GA WIRE/BLACK	20 ft
26.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-64	2
27.	14 Gauge, In Line Fuse Holder	KSES0019	1
28.	25 AMP Fuse	KSES0020-25	1
29.	14 Gauge Splice, Butt Connector	IP-7132	2
30.	Battery ****	PS12150-NB	0
31.	Regulator/Rectifier	KSES0005	1
32.	14 Gauge White Wire	14 GA WIRE/WHITE	7 ft
33.	14 Gauge Eye Terminal, Blue 5/16"	5/16 I TERM	1
34.	14 Gauge Yellow Wire	14 GA WIRE/YELLOW	6 ft
35.	14 Gauge Male Spade Terminal, Blue	IP-7126	6
36.	Electric Starter Kit - 582	MESK-3-582	1
37.	CHT Probe ***	KSPW0010-3	0
38.	EGT Wires **	KSPW0008-2	0
39.	EGT Probe **	KSPW0008-3	0
40.	Coolant Pressure Gauge	KSPW0021	1
41.	Coolant Temperature Gauge *	KSPW0014	1

*Optional gauge.

**Supplied with EGT.

***Supplied with CHT.

****Referenced from battery box installation. *****Referenced from 582 cooling system.

*****Supplied with coolant temperature gauge.

S-10 SAKOTA - 582 INSTRUMENT & ELECTRICAL - WITH OPTIONAL ELECTRIC START-continued

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

#	DESCRIPTION	PART NUMBER	QUANTITY
42.	Coolant Pressure Line *****	1/8 FUEL LINE	0 ft
43.	Coolant Temperature Probe *****	KSPW0014-1	0
44.	Female Bullet Terminal	02-09-1103	4
45.	Shrink Wrap	KSAC0009	1 ft
46.	Pan Head Phillips Bolt (10-32)	KSHW0006	2
47.	3/16" Shear Nut	AN364-1032A	2
48.	3/16" Large Washer	AN970-3	2

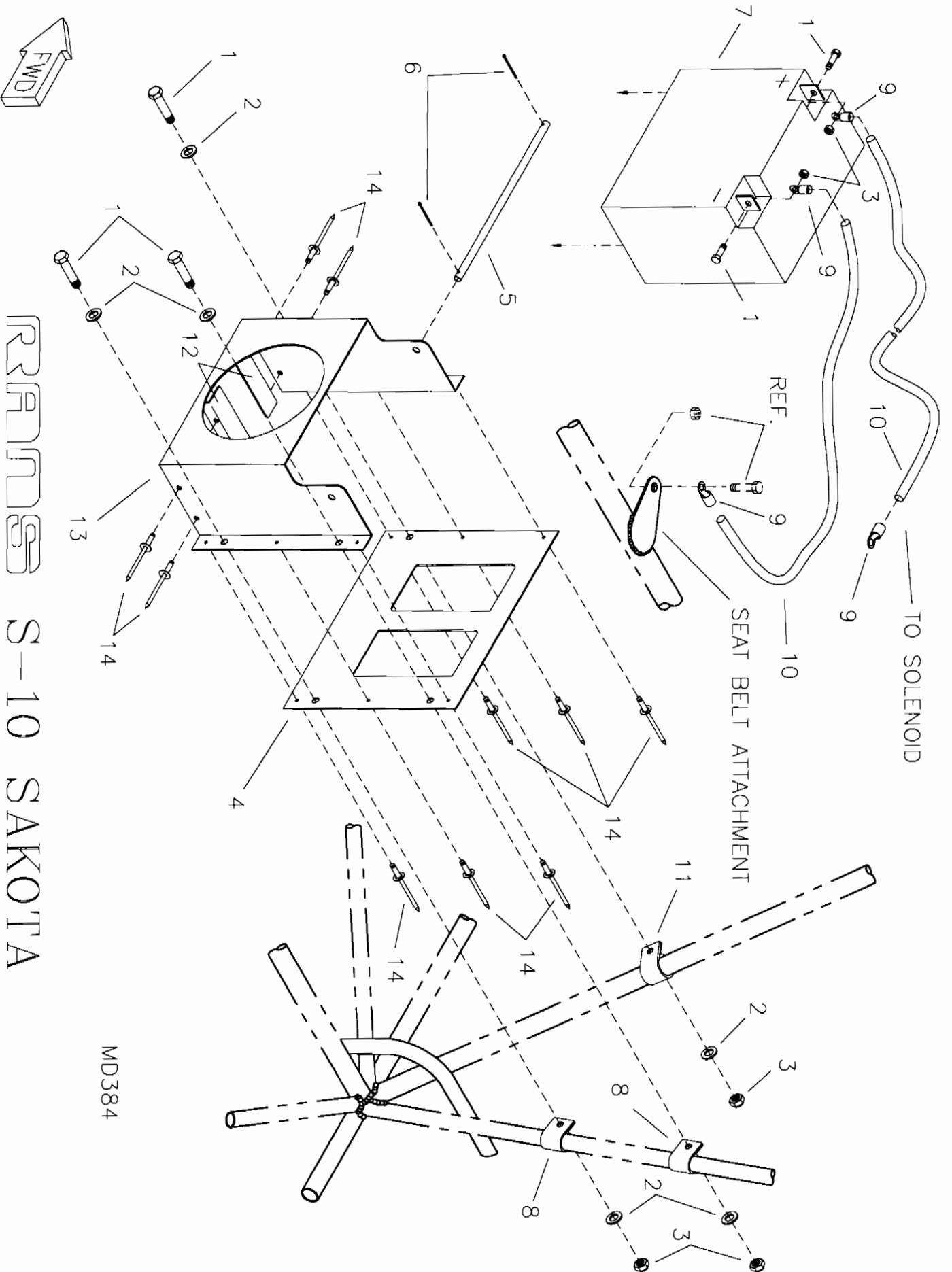
*Optional gauge.

**Supplied with EGT.

***Supplied with CHT.

****Referenced from battery box installation. *****Referenced from 582 cooling system.

*****Supplied with coolant temperature gauge.



RRR S-10 SAKOTA BATTERY BOX INSTALLATION

MD384

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-4A	5
2.	3/16" Thin Washer	AN960-10L	3
3.	3/16" Shear Nut	AN364-1032A	5
4.	Battery Box Mount Plate	BAT-BOX-2	1
5.	Battery Bar	BAT-BAR-503/582	1
6.	Small Cotter Pin	MS24665-134	2
7.	Battery **	PS12150-NB	0
8.	1/2" Non-Cushioned Clamp	AN742-D8	2
9.	4 Gauge Eye Terminal *	-----	0
10.	Battery Cable *	-----	0
11.	5/8" Non-Cushioned Clamp	AN742-D10	1
12.	Battery Box Support Angle	BAT-BOX-3	2
13.	Battery Box Front Plate	BAT-BOX-1	1
14.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	11

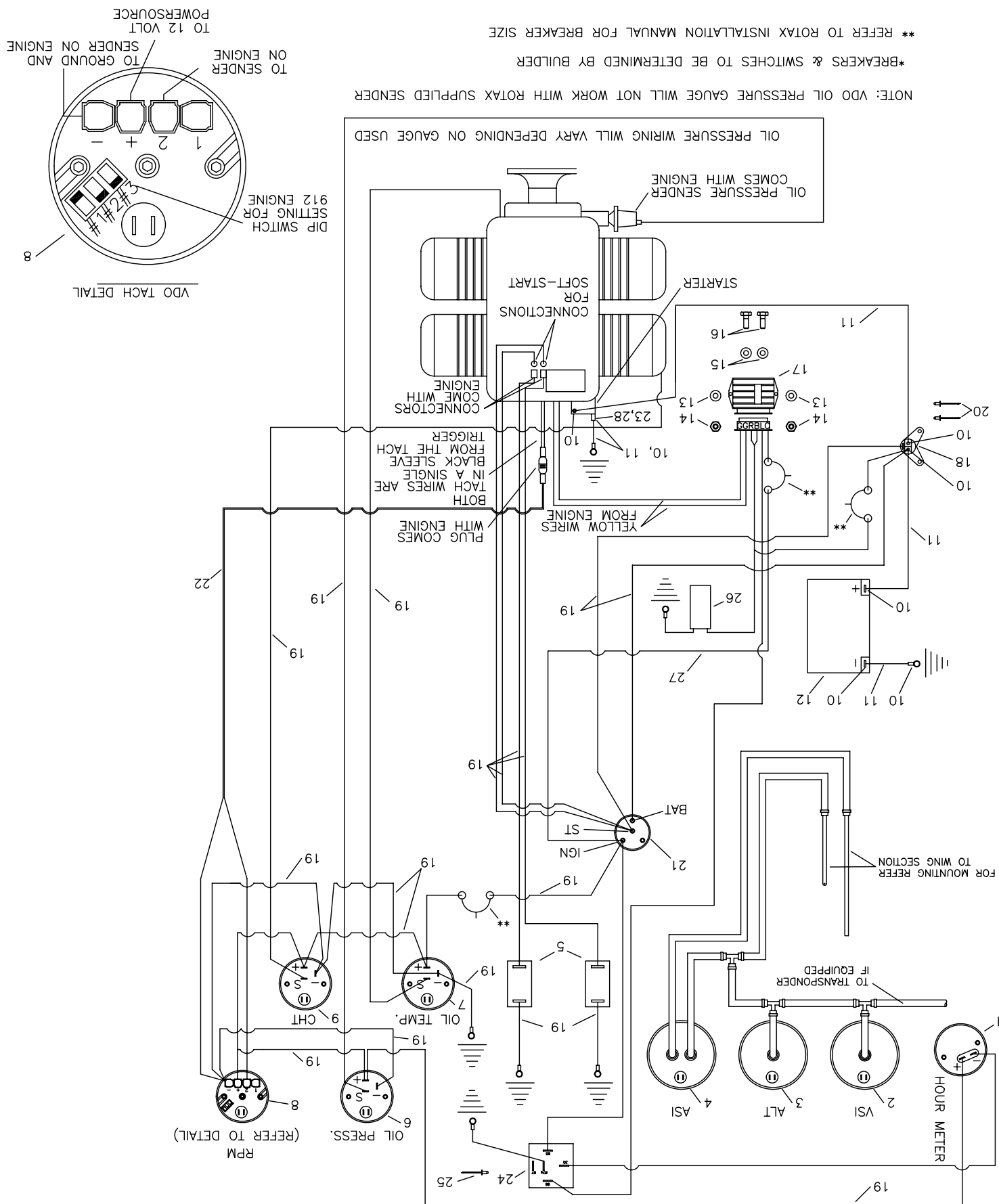
*Reference

** Builder Provided (May be ordered from RANS parts Dept)

11/5/2010

RRMS S-10 SAKOTA 912 INSTRUMENTS AND ELECTRICAL

MD3206
REV. A



S-10 SAKOTA - 912/912S INSTRUMENTS & ELECTRICAL

PAGE 005A-6

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

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Hour Meter - VDO*	KSPW0022	0
2.	Vertical Speed Indicator (Feet per Minute) *	KSAV0008	0
2.	Vertical Speed Indicat (Meters per Second) *	KSAV0009	0
3.	Altimeter with Millibar - Metric *	KSAV0003	0
3.	Altimeter *	KSAV0001	0
3.	Altimeter with Window *	KSAV0002	0
4.	Air Speed Indicator, 0-150 *	KSAV0005	0
5.	Ignition Switch	MS35058-22	2
6.	Oil Pressure Gauge (Electric) *	KSPW0019	0
7.	Oil Temperature Gauge (Electric) *, **	KSPW0017	0
8.	RPM Gauge *	KSPW0028	0
9.	Cylinder Head Temperature Gauge (Electric) *, **	KSPW0017	0
10.	4 Gauge Eye Cable Terminal	4 GA CABLE LUG	8
11.	4 Gauge Battery Cable, Black Wire	4 GA WIRE/BLACK	20 ft
12.	Battery, 912 ***	PS12260-NB	0
13.	3/16" Large Washer	AN970-3	2
14.	3/16" Shear Nut	AN364-1032A	2
15.	3/16" Thin Washer	AN960-10L	2
16.	3/16" Bolt	AN3-5A	2
17.	Regulator/Rectifier ****	----	0
18.	Solenoid ****	----	0
19.	14 Gauge Wire *****	----	0
20.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-64	2
21.	Key Start Switch	25-6	1
22.	2 Plex 20 Gauge Wire *****	----	0
23.	1/4" Steel Shear Nut	AN364-428C	1
24.	Hour Meter Relay Assembly	KAES0016	1
25.	3/16" Aluminum Rivet - Cherry Q	AAPQ-62	1
26.	Capacitor - 22,000 microFarad / 25V *****	----	0
27.	12 Gauge Wire *****	----	0
28.	1/4" Bolt	AN4-10A	1

*Optional gauge.

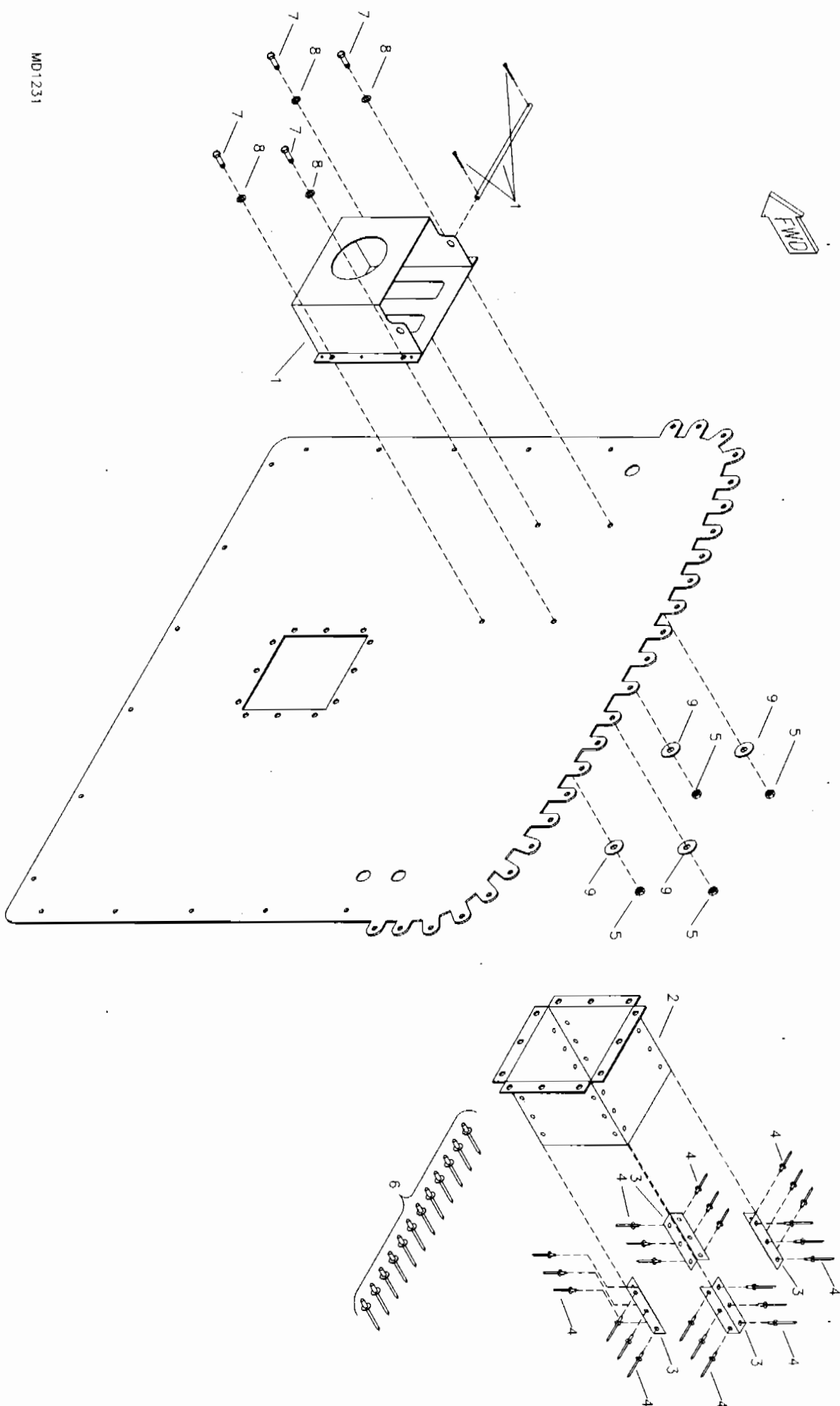
**Oil Temperature & CHT use the same type of gauge.

***Referenced from 912 battery box installation.

*****Supplied with Engine.

*****Builder Supplies.

11/5/2010



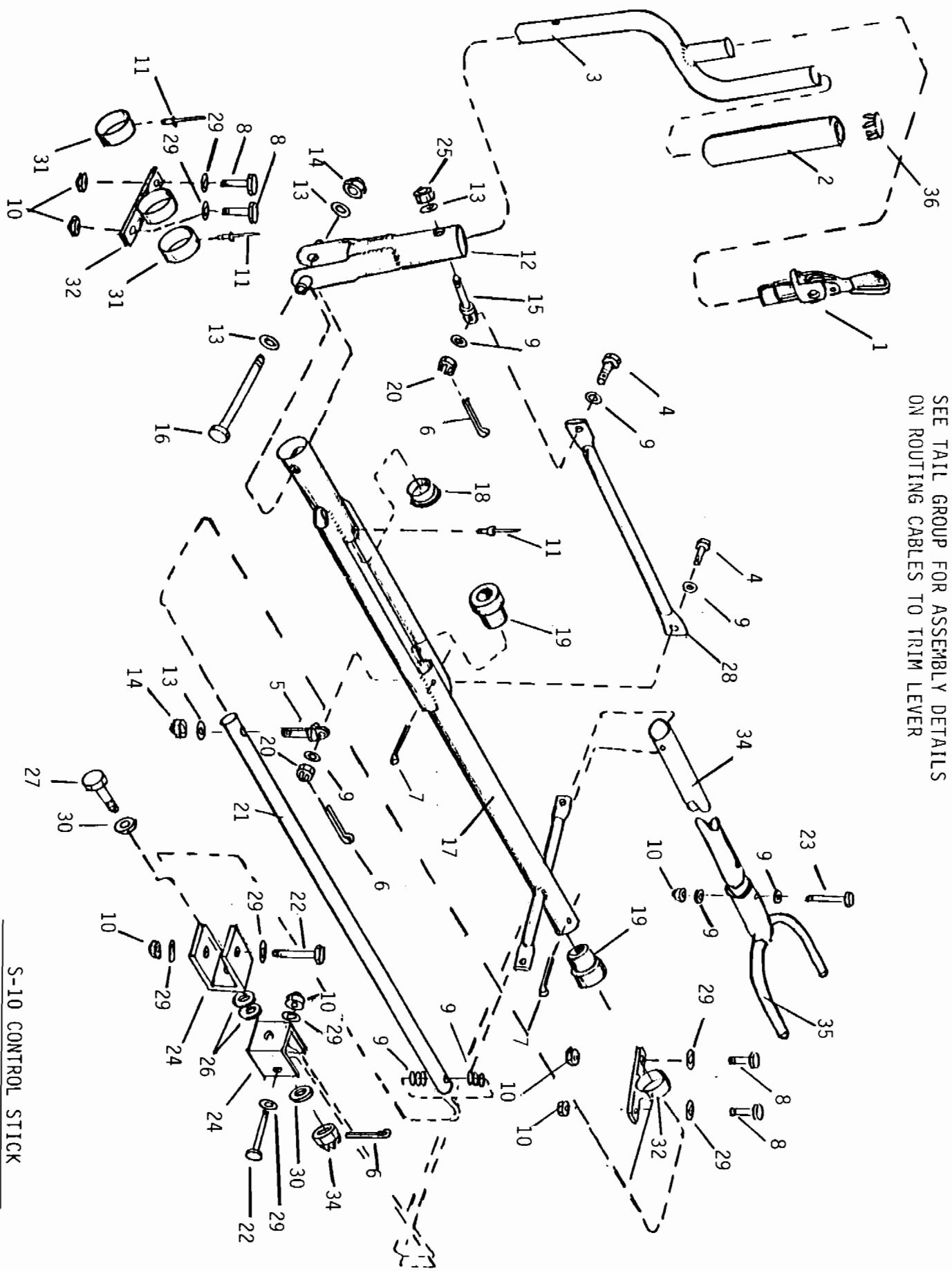
RRR S-10 SAKOTA
582 BATTERY BOX INSTALLATION

S-10 SAKOTA 582 BATTERY BOX INSTALLATION

#	Part Name	Part No.	Qty
1.	Battery Box	(582) BAT-BOX	1
2.	Starter Cover	S-SC	1
3.	Starter Cover Angle	S-SC-A	4
4.	3/32" Aluminum Pop Rivet	40APR1/8	24
5.	3/16" Shear Nut	AN364-1032A	4
6.	3/16" Aluminum Pop Rivet	12APR1/8	12
7.	3/16" Bolt	AN3-4A	4
8.	3/16" Thin Washer	AN960-10L	4
9.	3/16" Wood Washer	AN970-3	4

NOTE: Battery location depends on C.G. specifications you require.
 Battery could be mounted on the firewall or behind the seat at S-3.

SEE TAIL GROUP FOR ASSEMBLY DETAILS
ON ROUTING CABLES TO TRIM LEVER

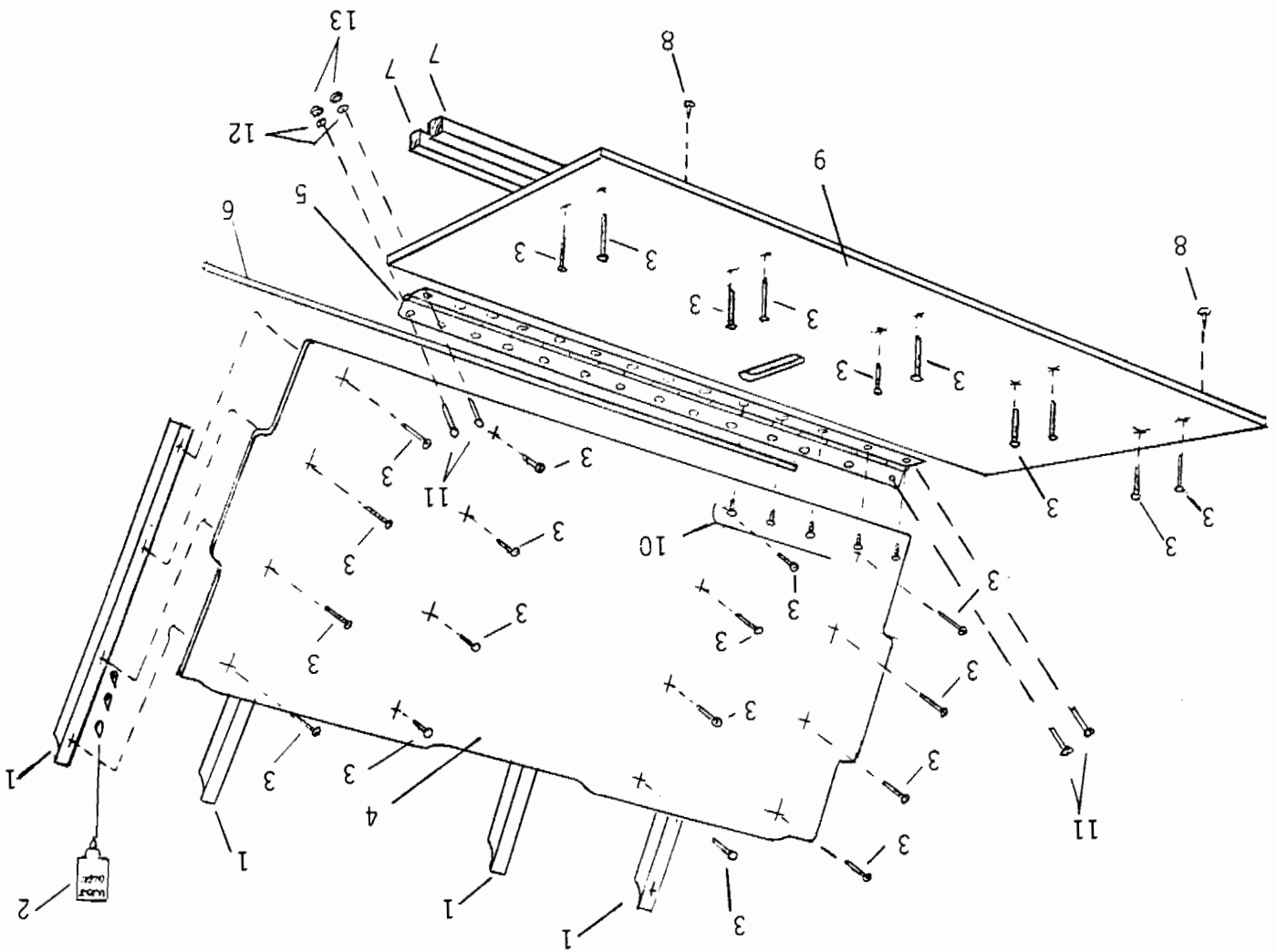


S-10 CONTROL STICK

S-10 SAKOTA - CONTROL STICK

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Trim Lever	CS-TL	1
2.	Control Stick Grip	CS-G	1
3.	Control Stick	CS-CS	1
4.	3/16" Bolt	AN3-5	2
5.	1/4" Eyebolt	AN43B-10A	1
6.	Small Cotter Pin	MS24665-134	3
7.	Large Cotter Pin	MS24665-285	2
8.	3/16" Bolt	AN3-4A	4
9.	3/16" Thick Washer	AN960-10	10
10.	3/16" Shear Nut	AN364-1032A	7
11.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	3
12.	Control Connect Tube	CS-CCT	1
13.	1/4" Thin Washer	AN960-416L	3
14.	1/4" Shear Nut	AN364-428A	1
15.	1/4" Eyebolt	AN43B-13A	1
16.	5/16" Bolt	AN5-23A	1
17.	Torque Tube	CS-TT	1
18.	1" End Cap	1 CAP	1
19.	Glide	CS-GL	2
20.	3/16" Castle Nut	AN310-3	2
21.	5/8" Push Pull Tube	CS-5/8PPT	1
22.	3/16" Bolt	AN3-15A	2
23.	3/16" Bolt	AN3-14A	1
24.	Horizontal Stabilizer Attach Bracket	S2-SAB	2
25.	1/4" Tensile Nut	AN365-428A	1
26.	1/4" Plastic Washer	PW-4	2
27.	1/4" Bolt	AN4-7	1
28.	1/2" Linkage Tube	CS-LT	1
29.	3/16" Thin Washer	AN960-10L	8
30.	1/4" Thick Washer	AN960-416	3
31.	Stop Ring	CS-SR	2
32.	Pillow Block	CS-PB	2
33.	1/4" Castle Nut	AN310-4	1
34.	1 1/4" Push Pull Tube	CS-1 1/4-PPTS10	1
35.	Elevator Yoke	TG-EY	1
36.	7/8" End Cap	CS-EC	1
37.	5/16" Thick Washer	AN960-516	2
38.	5/16" Shear Nut	AN364-524A	1

S-10 SEAT



S-10 SAKOTA - SEAT

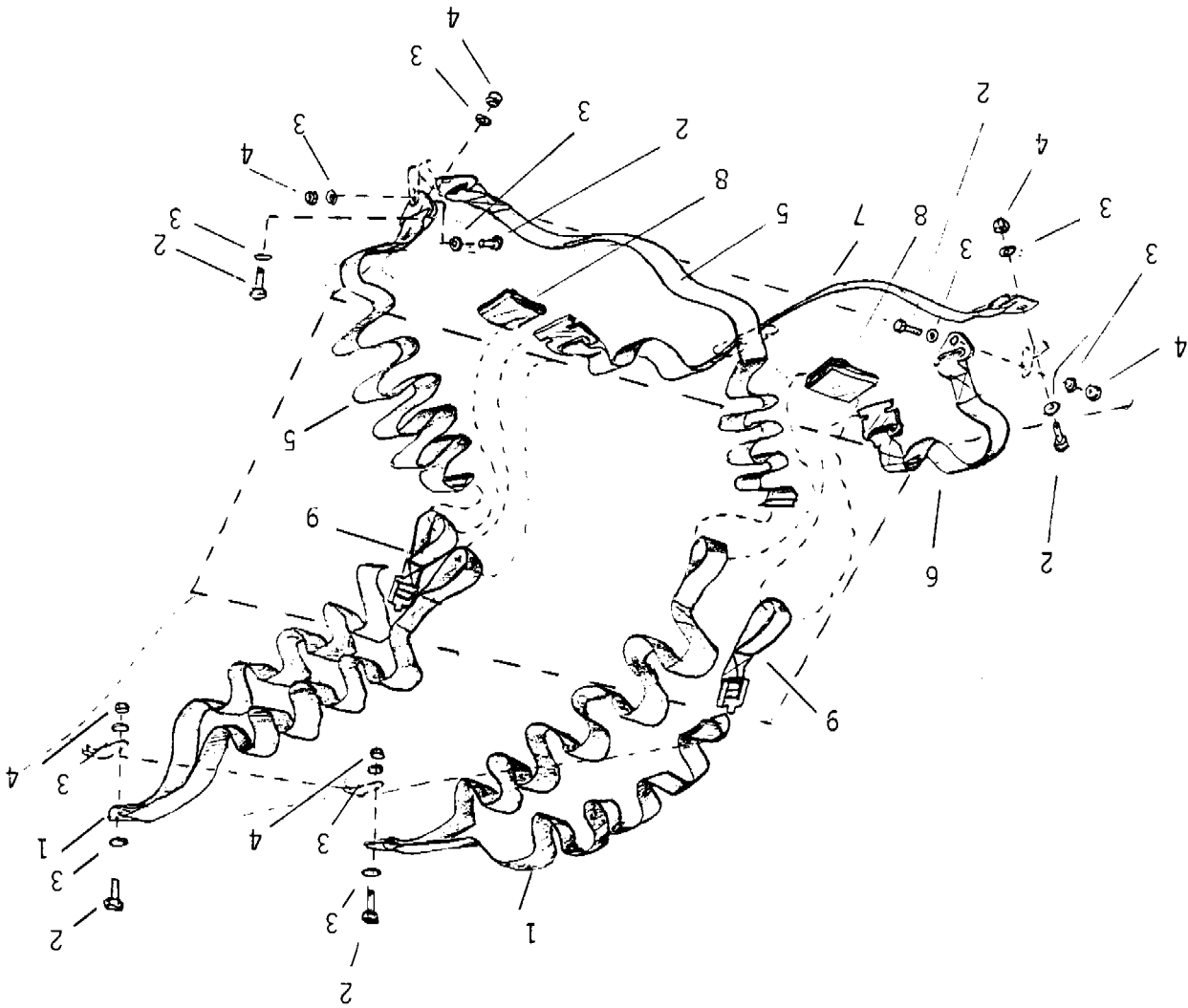
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Wood Stringer, 3/4" X 3/4" X 22 1/2" *	ST-WS-22 1/2	4
2.	Wood Glue **	WOOD GLUE	0
3.	Wood Screws, 1"	ST-SCREW1	28
4.	Seat Back	ST-SBK	1
5.	Piano Hinge, 30"	ST-HINGE	30 in
6.	Wood Strip, 1/2" X 1/4" X 30" *	ST-WS-30	1
7.	Wood Strip, 3/4" X 3/4" X 35 1/2" *	ST-WS-35 1/2	2
8.	#8 Pan Head Screw	8X1/2 PHS	18
9.	Seat Bottom	ST-SBT	1
10.	#6 Small Pan Head Screw	6RX1/2 PHS	12
11.	Hinge Screw, 6-32 X 3/4"	6-32X3/4	4
12.	Small Brass Washer, 6-32	AN960-B8	4
13.	6-32 Nut	6-32NUT	4

PLEASE NOTE: The seat comes pre-assembled and pre-upholstered.

*Preassembled.

**Builder provides.

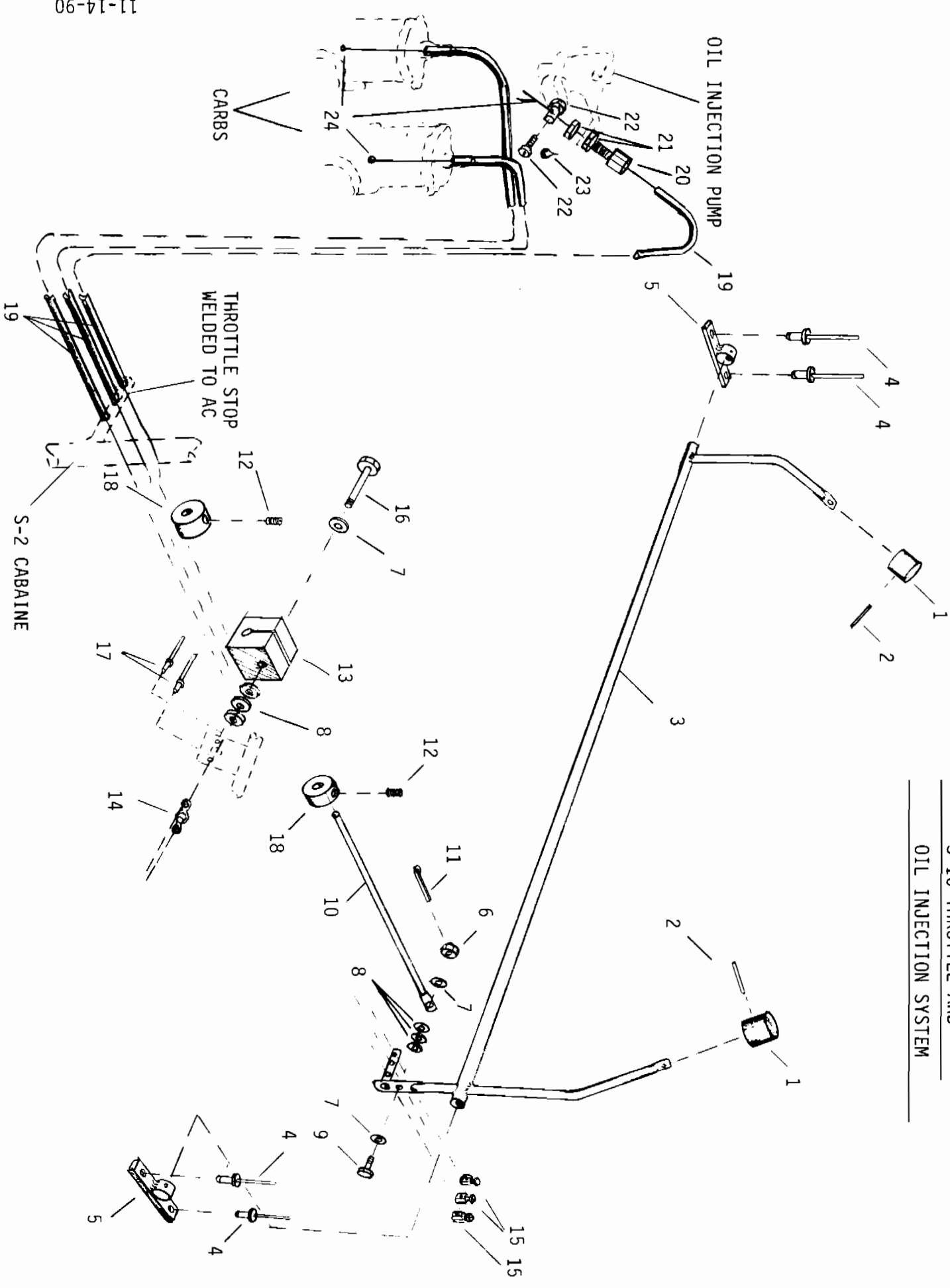
S-10 PILOT RESTRAINT SYSTEM



S-10 SAKOTA PILOT RESTRAINT SYSTEM

#	Part Name	Part No.	Qty
1.	Shoulder Belt	ST-SHLD-B	2
2.	1/4" Bolt	AN4-5A	6
3.	1/4" Thick Washer	AN960-416	12
4.	1/4" Shear Nut	AN364-428A	6
5.	Lap Belt Adjust Side	ST-LB-ADJ	2
6.	Lap Clip, Short	ST-LB-CLIP-SHORT	1
7.	Lap Clip, Long	ST-LB-CLIP-LONG	1
8.	Belt Buckle	ST-BUC	2
9.	Shoulder Belt Adjustor	ST-SHLD-ADJ	2

S-10 THROTTLE AND OIL INJECTION SYSTEM



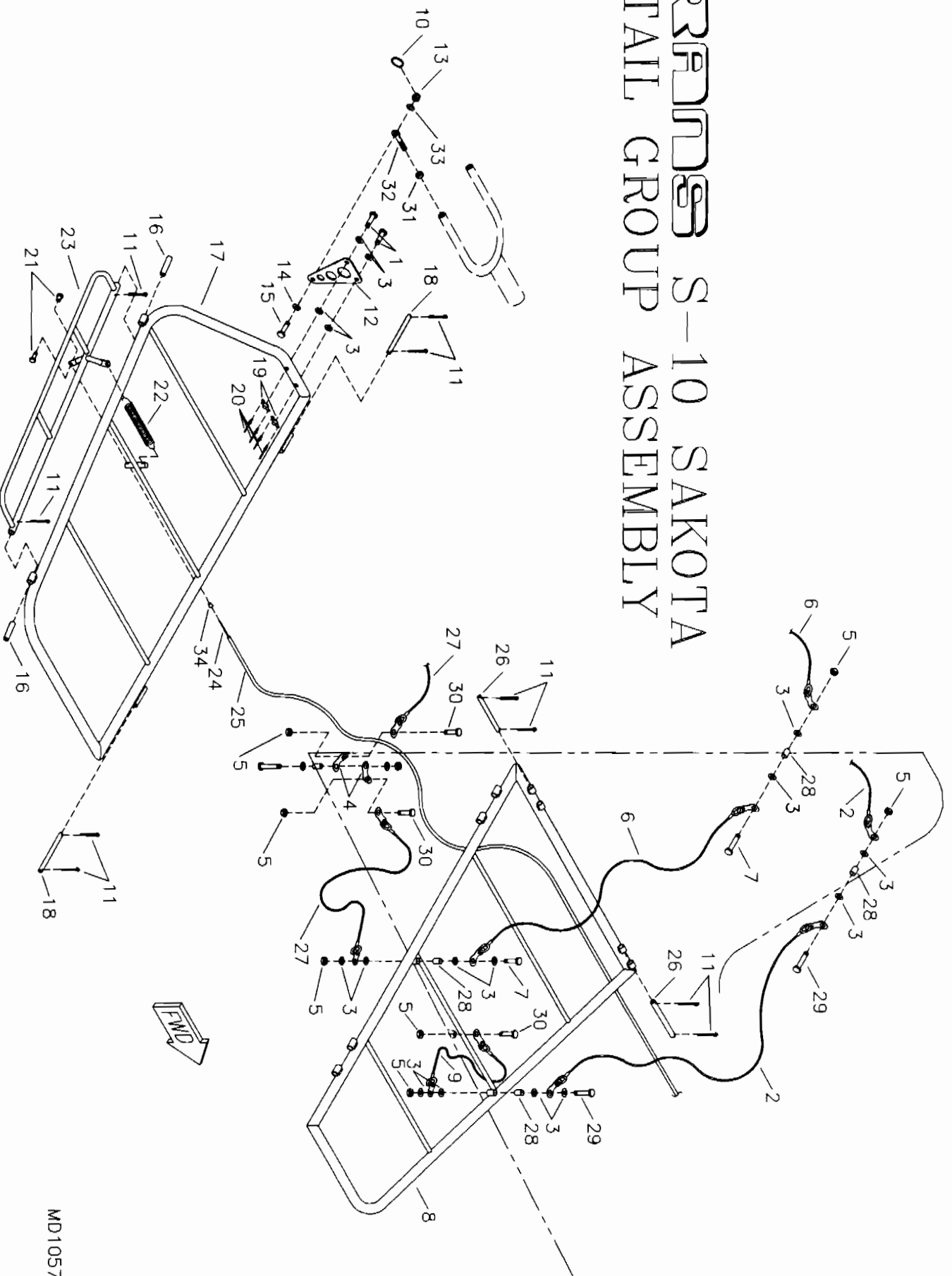
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Throttle Knob	T-KNOB(14)	2
2.	1/8" Roll Pin, 1"	20032446	2
3.	Throttle Lever	T-TL(10)	1
4.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	4
5.	1/2" Pillow Block (1/2" I.D.)	T-PB-1/2	2
6.	3/16" Castle Nut	AN310-3	1
7.	3/16" Thin Washer	AN960-10L	3
8.	3/16" Thick Washer	AN960-10	6
9.	3/16" Bolt	AN3-6	1
10.	Friction Rod	T-FR	1
11.	Small Cotter Pin	MS24665-134	1
12.	Set Screw	T-SC	2
13.	Friction Block	T-FB	1
14.	3/16" Nut Plate	K-1000-3	1
15.	Wire Stop/Screw	2360	3
16.	3/16" Bolt	AN3-14A	1
17.	3/32" Aluminum Pop Rivet	40APR1/8	2
18.	Throttle Stop	T-STOP	2
19.	Throttle Cable Housing, 18' *	EG-T-CAB-H	1
20.	Adjustable Cable Ferrule	2373	1
21.	1/4" Plain Nut	AN345-416	2
22.	Wire Swivel/Screw Stop	2361	1
23.	Loctite Blue **	-----	0
24.	Throttle Cable, 105" *	EG-T-CAB	3

*Referenced from Engine.

** Builder Provides

11/5/2010

RRPMS S-10 SAKOTA TAIL GROUP ASSEMBLY

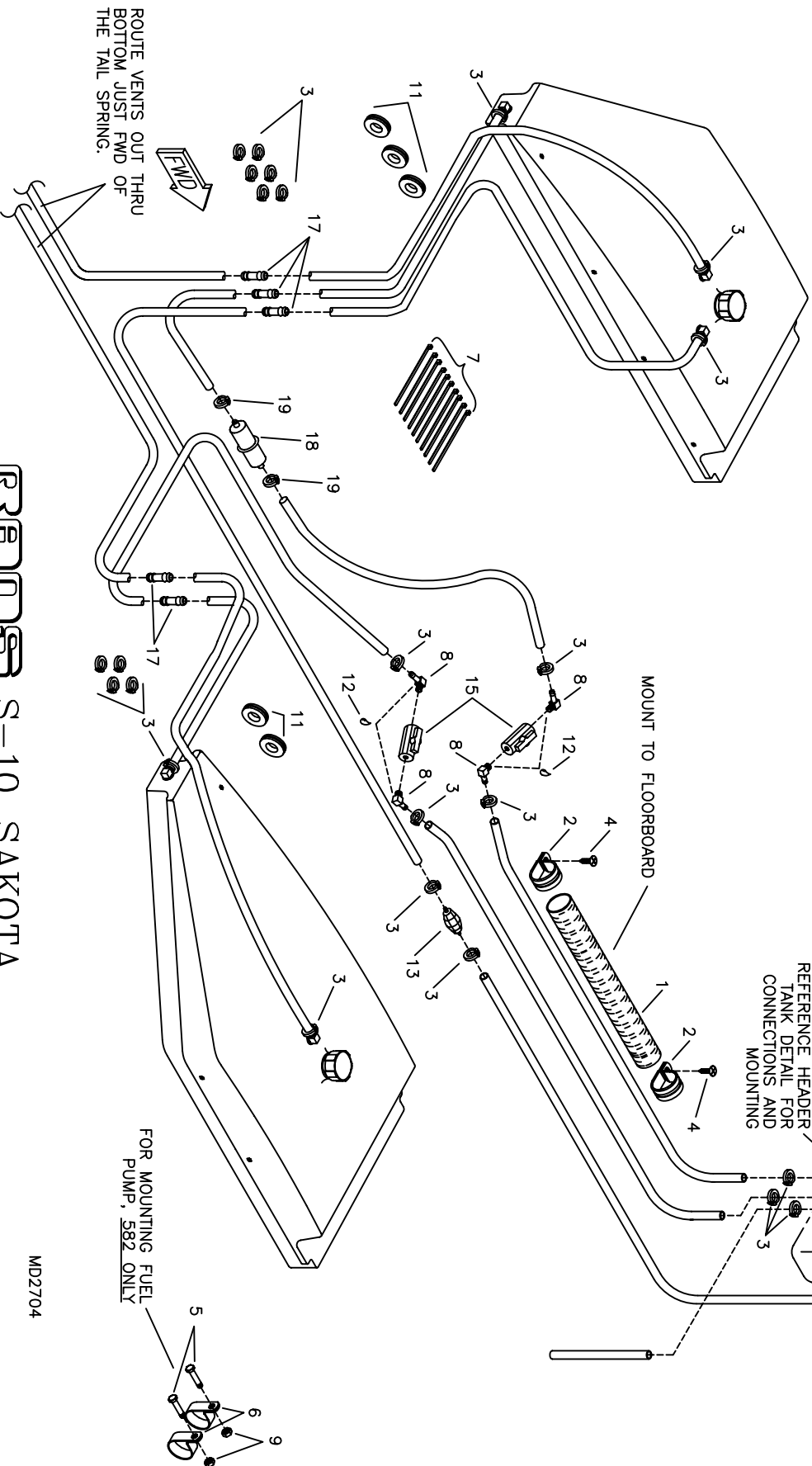
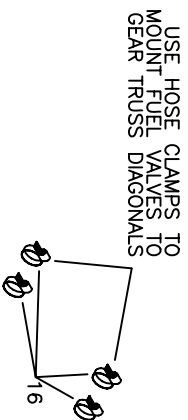


S-10 SAKOTA - TAIL GROUP

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-10A	4
2.	Top Forward Cable	TG-TFC(10)	2
3.	3/16" Thin Washer	AN960-10L	24
4.	Hummertang	T12-HT6	2
5.	3/16" Tensile Nut	AN365-1032A	11
6.	Top AFT Cable	TG-TAC(10)	2
7.	3/16" Bolt	AN3-13A	3
8.	Horizontal Stabilizer, RH	TG-H-STAB-RH	1
8.	Horizontal Stabilizer, LH	TG-H-STAB-LH	1
9.	Lower Forward Cable	TG-LFC-IA	2
10.	Loc Ring	RL 27 1/4	2
11.	Small Cotter Pin	MS24665-134	17
12.	Elevator Horn	TG-EH	2
13.	1/4" Castle Nut	AN310-4	2
14.	1/4" Thin Washer	AN960-416L	4
15.	1/4" Bolt	AN4-7	2
16.	1 1/2" X 1/4" Pins (Steel Tube) **	TG-1 1/2X1/4 PIN	2
17.	Elevator, RH	TG-EL-RH	1
17.	Elevator, LH	TG-EL-LH	1
18.	2 3/8" X 1/4" Steel Rod Pin **	TG-2 3/8X1/4 PIN	4
19.	3/16" Nut Plate	K-1000-3	4
20.	3/32" Aluminum Pop Rivet	40APR1/8	8
21.	Wire Swivel/Screw Stop	2361	1
22.	Spring	TG-SPRING	1
23.	Trim Tab	TG-TRIM-TAB	1
24.	Trim Cable	TRIM-CAB(10)	1
25.	Trim Cable Housing, 172"	KSAC0008	172 in
26.	3" X 1/4" Steel Rod Pin **	TG-3X1/4 PIN	4
27.	Lower AFT Cable	TG-LAC-IA	2
28.	Spacer Bushing, 1/4" X 1/2" **	SB-1/4X1/2	6
29.	3/16" Bolt	AN3-11A	3
30.	3/16" Bolt	AN3-4A	4
31.	1/4" Plain Nut	AN345-416	2
32.	Male Rod End 1/4" X 1/4" *	NM-4	2
33.	1/4" Plastic Washer	PW-4	2
34.	Cable Ferrule Cap	ENDCAP-12000	1

*For S-7 see control stick.

**Builder must fabricate from raw stock, see bushing sheet in manual.



REFINOS S-10 SAKOTA INVERTED FUEL SYSTEM

MD2704

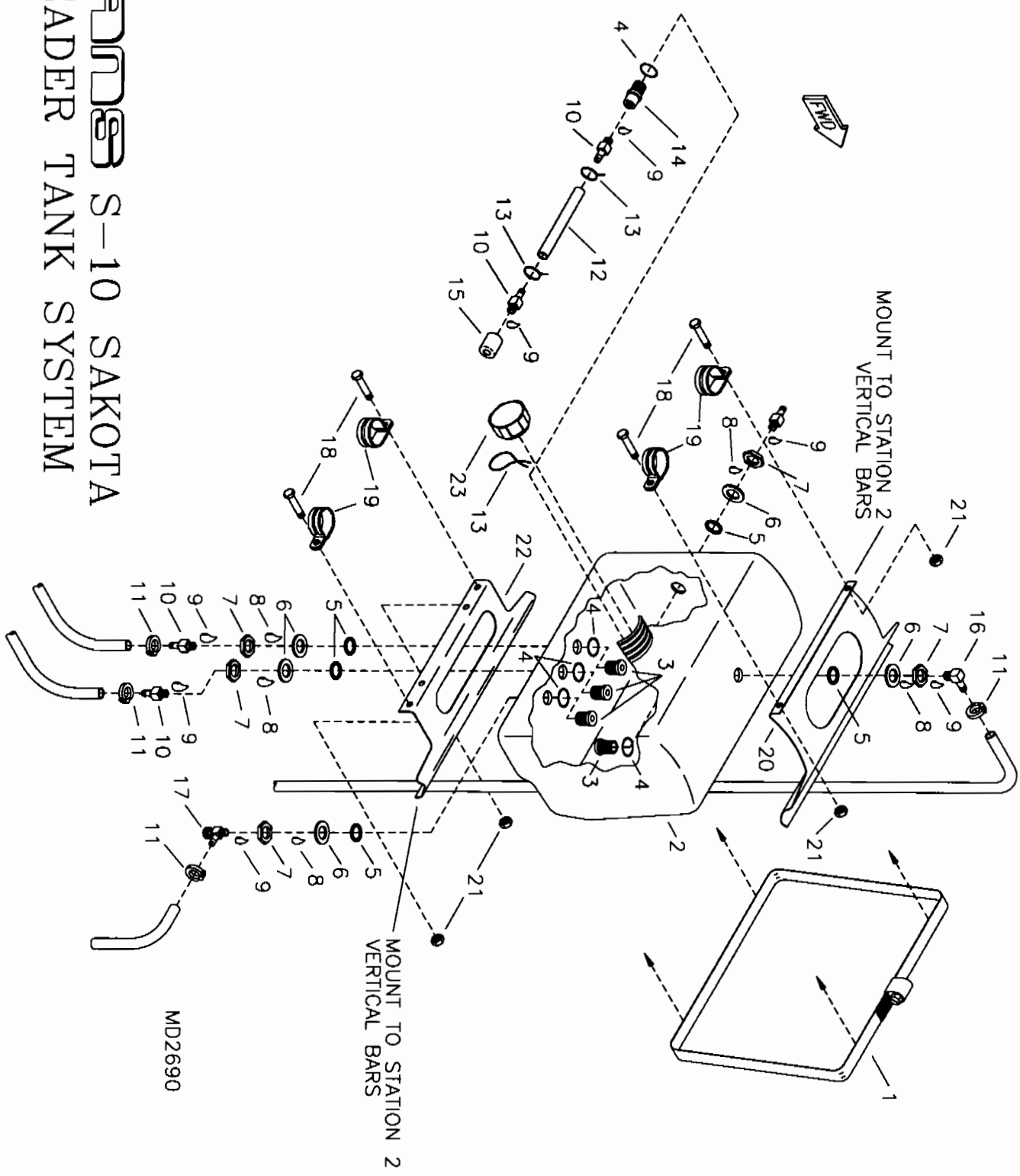
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Fuel Line Casing	IP-WCASE	16 in
2.	1 1/4" Cushioned Tube Clamp	MS21919-DG20	2
3.	Line Clamp, 1/2"	FS-LCL 1/2	28
4.	#8 Pan Head Screw	8X1/2 PHS	2
5.	3/16" Bolt (-2 912 Engine)	AN3-6A	2
6.	5/8" Cushioned Tube Clamp (-2 912 Engine)	MS21919-DG10	2
7.	Zip Ties	ZIP TIES	10
8.	90 Withdrawal Fitting	8342	4
9.	3/16" Shear Nut (-2 912 Engine)	AN364-1032A	2
10.	1/4" Black Fuel Line	KSFS0002	45 ft
11.	Rubber Grommet	MS35489-17	6
12.	Thread Sealant *	-----	0
13.	Primer Bulb	FS-PB	1
14.	Fuel Filter ****	-----	0
15.	Fuel Shut-Off Valve	FS-S-OFF	2
16.	Hose Clamp, 1 1/4"	5-5212	4
17.	Straight 1/4" Barb Fitting	KSHW0048	5
18.	Electric Fuel Pump **	-----	0
19.	Line Clamp ***	-----	0

*Builder Provides - Teflon Tape or Paste Thread Sealant **Builder provides.

***Builder provides (clamp size depends on size of fuel pump).

**** Builder Provided - Contact ROTAX for current recommended Fuel Filter

10/5/2010



S-10 SAKOTA HEADER TANK SYSTEM

MD2690

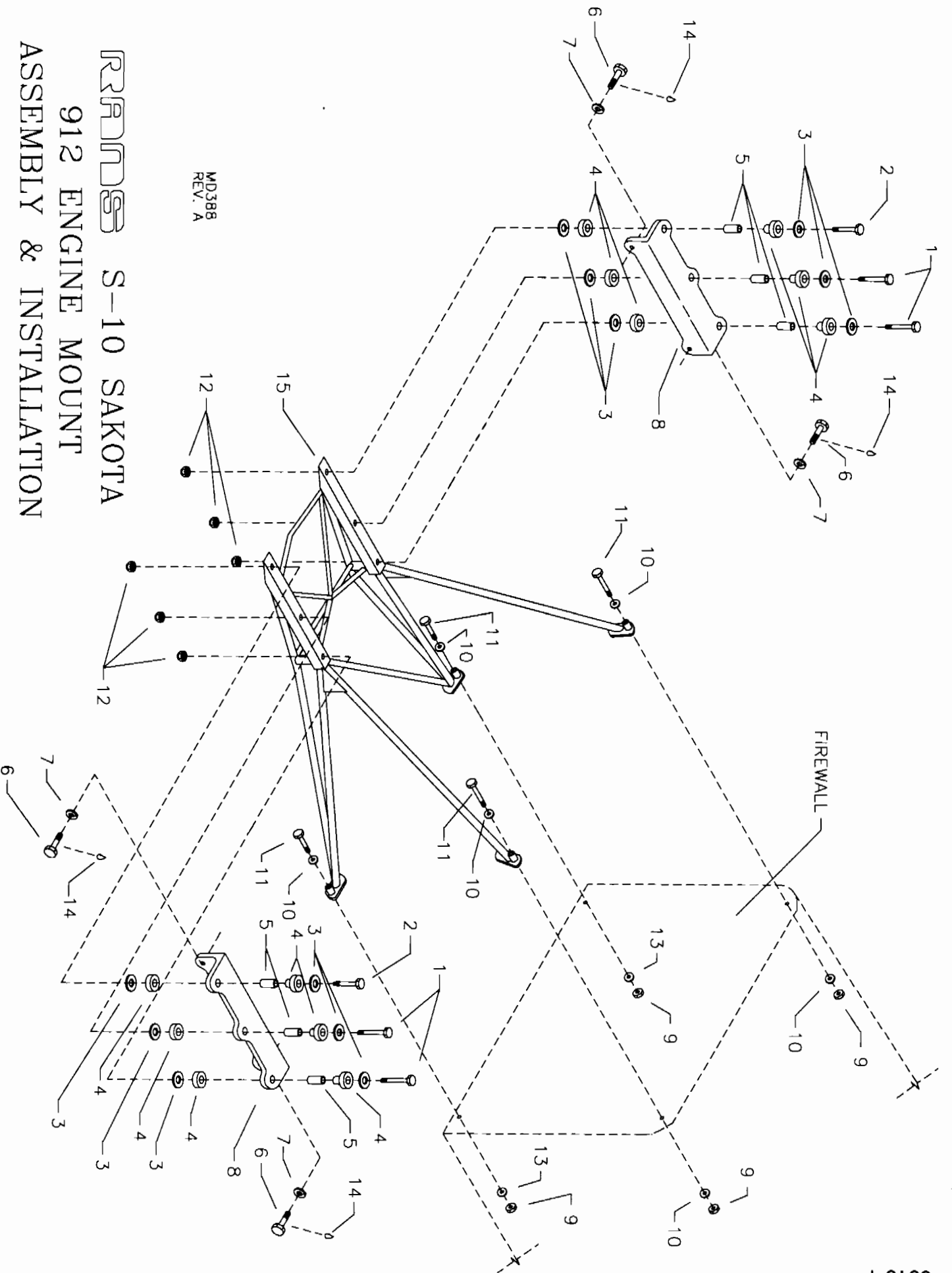
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	10" Hose Clamp	KSHW0047	1
2.	Header Tank	KPPW0021	1
3.	Tank Withdrawal Fitting	KPFS0017	4
4.	O-Ring	KSFS0009	5
5.	Rubber Washer	KSFS0010	5
6.	1/2" Thick Washer	AN960-816	5
7.	Nut-Flared Tube Bulkhead	AN924-5D	5
8.	Loctite Blue ***	-----	0
9.	Thread Sealant **	-----	0
10.	Straight Withdrawal Fitting	8330	4
11.	Line Clamp, 1/2"	FS-LCL 1/2	4
12.	1/4" Blue Fuel Line	FS-FL	1 ft
13.	Safety Wire * ***	-----	0
14.	Header Tank Withdrawal Fitting	KPFS0018	1
15.	Klunker	FS-FLOP	1
16.	90 Withdrawal Fitting	8342	1
17.	Sump Drain Valve	8336	1
18.	3/16" Bolt	AN3-4A	4
19.	1/2" Cushioned Tube Clamp	MS21919-DG8	4
20.	Upper Header Tank Mount	KPFU0190	1
21.	3/16" Shear Nut	AN364-1032A	4
22.	Lower Header Tank Mount	KPFU0191	1
23.	Fuel Cap	KSFS0007	1

*Double wrapped for security purposes.

**Builder Provides - Teflon Tape or Paste Thread Sealant

*** Builder Provided

11/5/2010

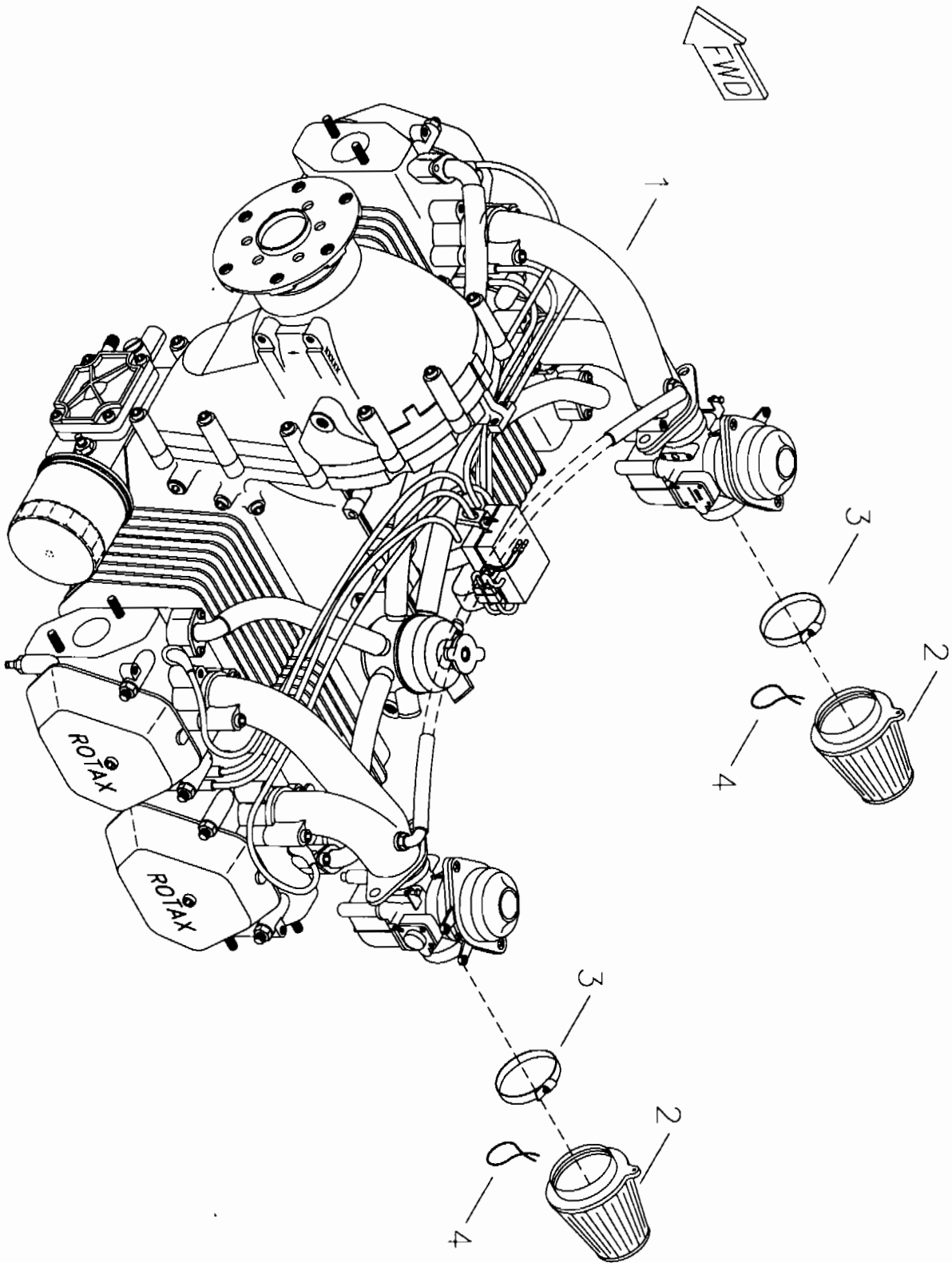


MD388
REV. A

REPAIR S-10 SAKOTA 912 ENGINE MOUNT ASSEMBLY & INSTALLATION

S-10 SAKOTA - 912 ENGINE MOUNT ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-27A	4
2.	1/4" Bolt	AN4-20A	2
3.	1/8" Aluminum Washer	EG-AW	12
4.	Barry Mount	22001	6
5.	Spacer Bushing, 1 1/4" x 3/8" x .058	EG-B-3/8X1 1/4	6
6.	10MM Bolt	M10 X 35	4
7.	10MM Loc Washer	945-753	4
8.	Engine Mount Angle	EG-912-MT	2
9.	1/4" Tensile Nut	AN365-428A	4
10.	1/4" Thick Washer	AN960-416	6
11.	1/4" Bolt	AN4-25A	4
12.	1/4" Tensile Nut	AN365-428C	6
13.	1/4" Thin Washer	AN960-416L	2
14.	Loctite Blue	LOC-TITE	0
15.	Engine Mount	EG-MT-912-10	1



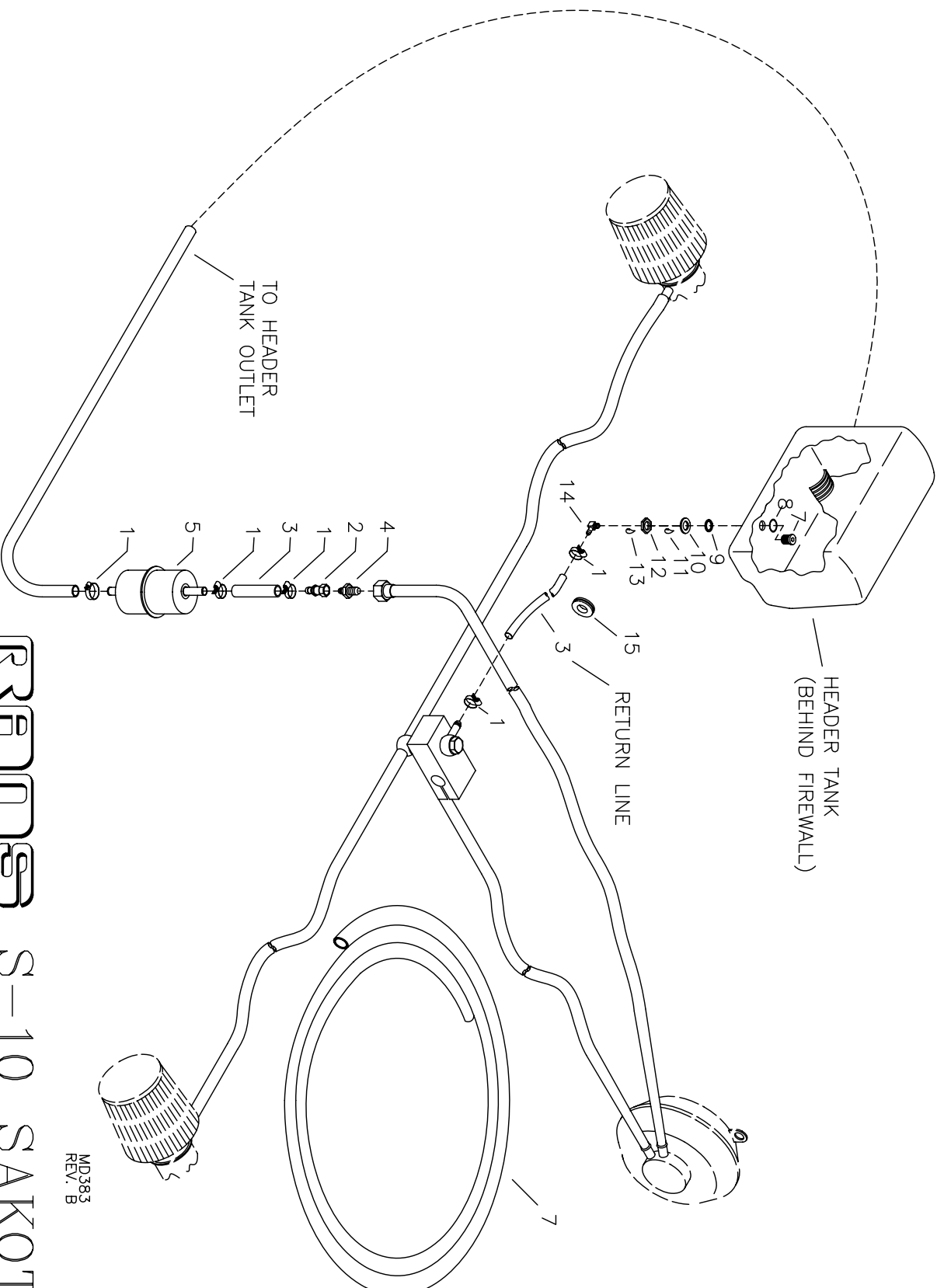
RRDMS S-10 SAKOTA
912 ENGINE

MD258
REV. A

S-10 SAKOTA - 912 ENGINE

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Rotax 912 Engine	EG-EG-912	1
2.	Air Filter, 912	EGCS-AF-912	2
3.	63MM Clamp *	----	0
4.	Safety Wire	SAFETY WIRE	0

*Supplied with Air Filter.



- MD383
-
- REV. B

REFUG S-10 SAKOTA 912 FUEL SYSTEM HEADER TANK FORWARD

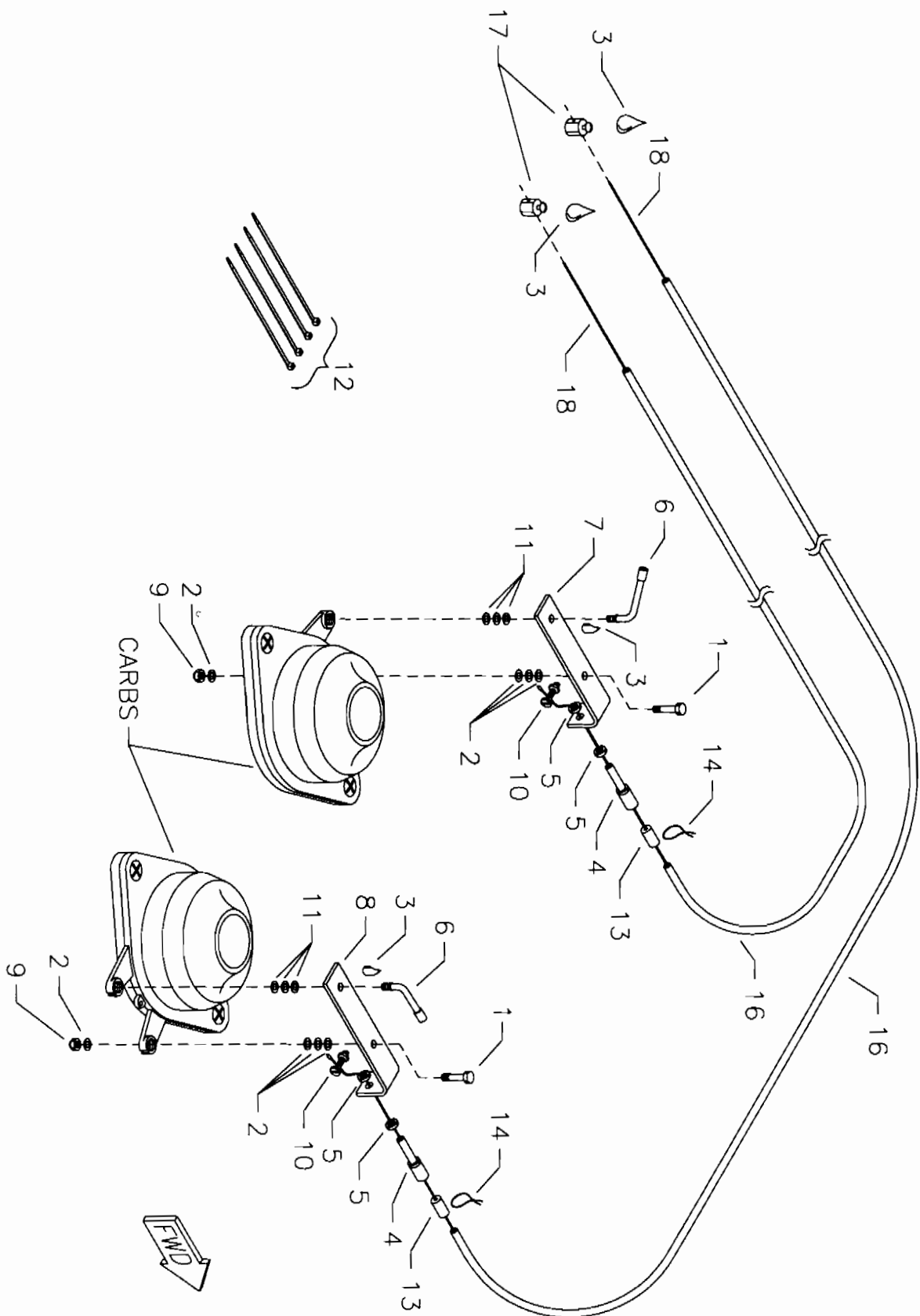
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Small Hose Clamp	5-6202	4
2.	Reducer	AN919-6D	1
3.	1/4" Black Fuel Line	KSFS0002	5 ft
4.	1/4" Hose Fitting	30682-4-4	1
5.	Fuel Filter **	-----	0
6.	Fire Sleeve *	-----	0
7.	Tank Withdrawal Fitting	KPFS0017	1
8.	O-Ring	KSFS0009	1
9.	Rubber Washer	KSFS0010	1
10.	1/2" Thick Washer	AN960-816	1
11.	Thread Sealant *	-----	0
12.	Nut - Flared Tube Bulkhead	AN924-5D	1
13.	Loctite Blue *	-----	0
14.	90 Withdrawal Fitting	8342	1
15.	Rubber Grommet	MS35489-17	1

*Builder supplied part.

**Builder Provided - Contact ROTAX for current recommended Fuel Filter

***Builder Provides - Teflon Tape or Paste Thread Sealant

11/5/2010

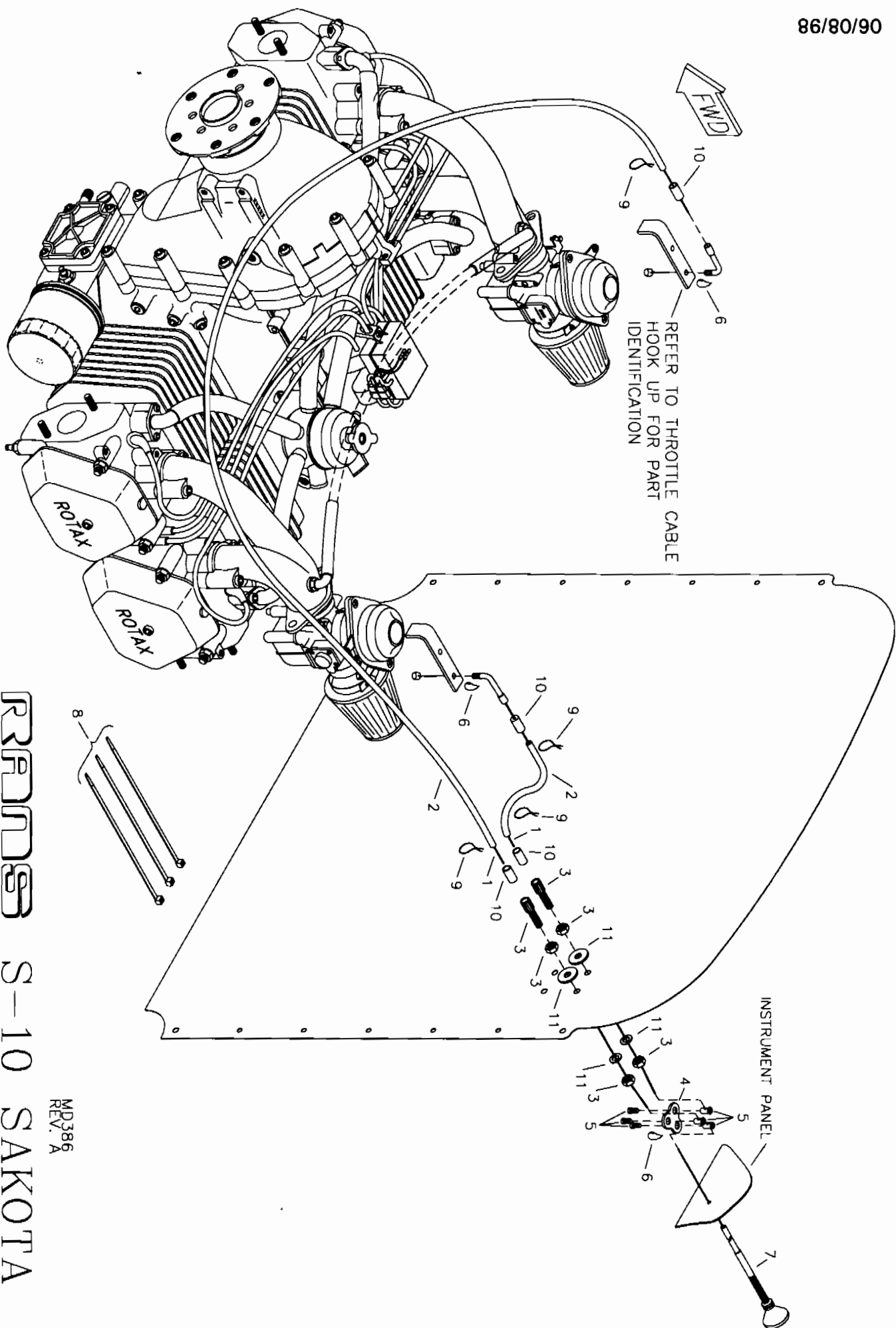


REFUGES S-10 SAKOTA
912 THROTTLE CARBURATOR SIDE HOOK UP

S-10 SAKOTA - 912 THROTTLE HOOKUP - CARBURETOR SIDE

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-7A	2
2.	3/16" Thick Washer	AN960-10	8
3.	Loctite Blue	LOC-TITE	0
4.	Throttle Adjustor Ferrule *	----	0
5.	1/8" Ferrule Nut *	----	0
6.	Choke Cable Guide *	----	0
7.	Throttle Cable Mount, 912 LH	EG-TCM-L	1
8.	Throttle Cable Mount, 912 RH	EG-TCM-R	1
9.	3/16" Shear Nut	AN364-1032A	2
10.	Wire Stop/Screw *	----	0
11.	1/4" Thick Washer	AN960-416	6
12.	Zip Ties	ZIP TIES	4
13.	Cable Ferrule Cap	ENDCAP-12000	2
14.	Safety Wire	SAFETY WIRE	0
15.	Grommet	MS35489-4	2
16.	Throttle Cable Housing, 182"	EG-T-CAB-H	2
17.	Wire Stop/Screw	2360	2
18.	Throttle Cable	EG-T-CAB	2

*Supplied with Engine.

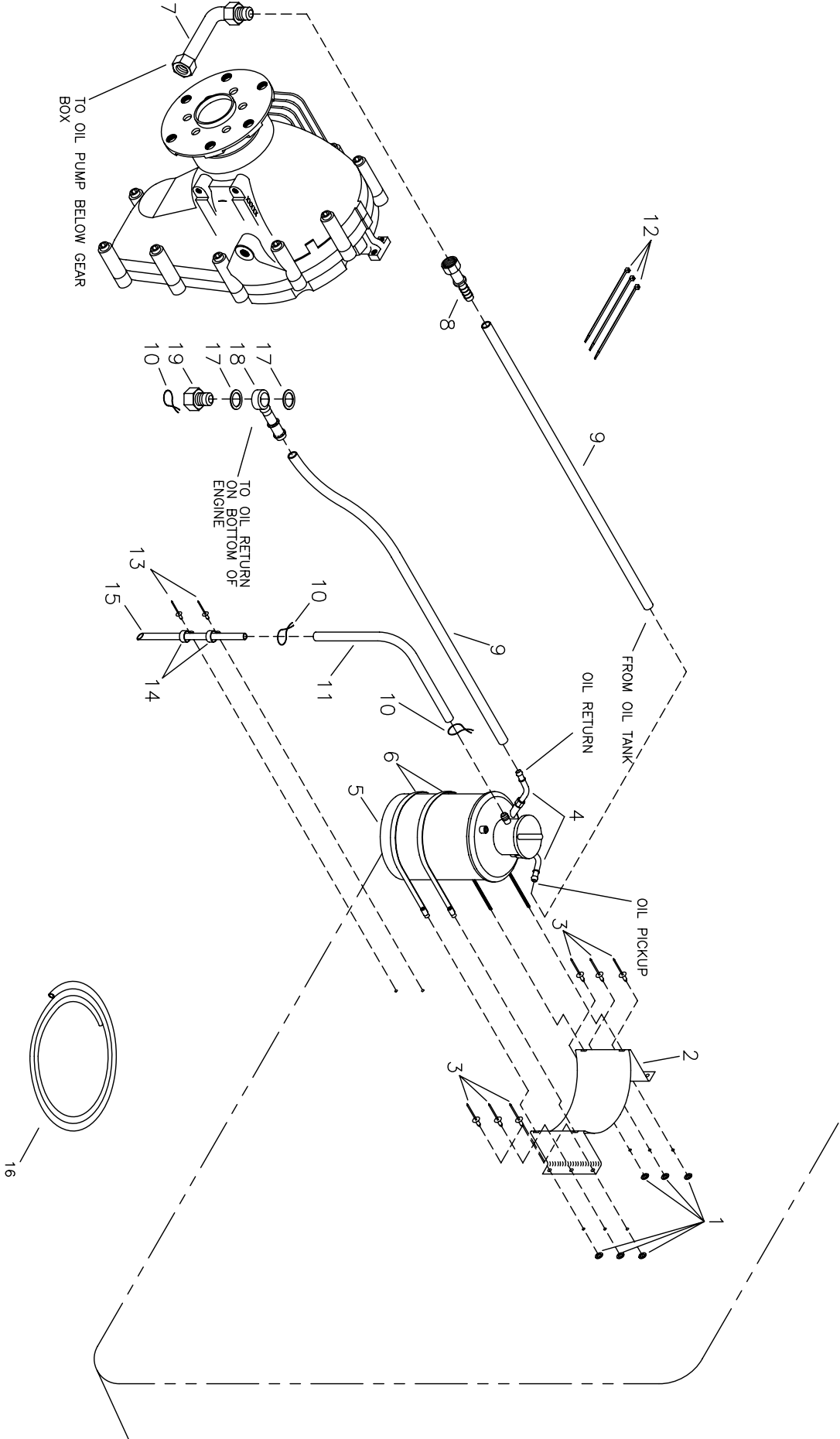


MD386
REV. A

ROTAX S-10 SAKOTA
912 CHOKE SYSTEM

S-10 SAKOTA - 912 CHOKE SYSTEM

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Choke Cable	BC-105	2
2.	Cable Housing	T-CAB-H	5 ft
3.	Adjustable Cable Ferrule	12553	2
4.	Choke Mixer Plate	KPPW0076	1
5.	Wire Swivel Stop/Screw	2361	3
6.	Loctite Blue	LOC-TITE	0
7.	Control Cable	4-336	1
8.	Zip Ties	ZIP TIES	3
9.	Safety Wire	SAFETY WIRE	0
10.	Cable Ferrule Cap	ENDCAP-12000	4
11.	1/4" Plastic Washer	PW-4	4



REDNES S-10 SAKOTA

912 ENGINE OIL SYSTEM INSTALLATION

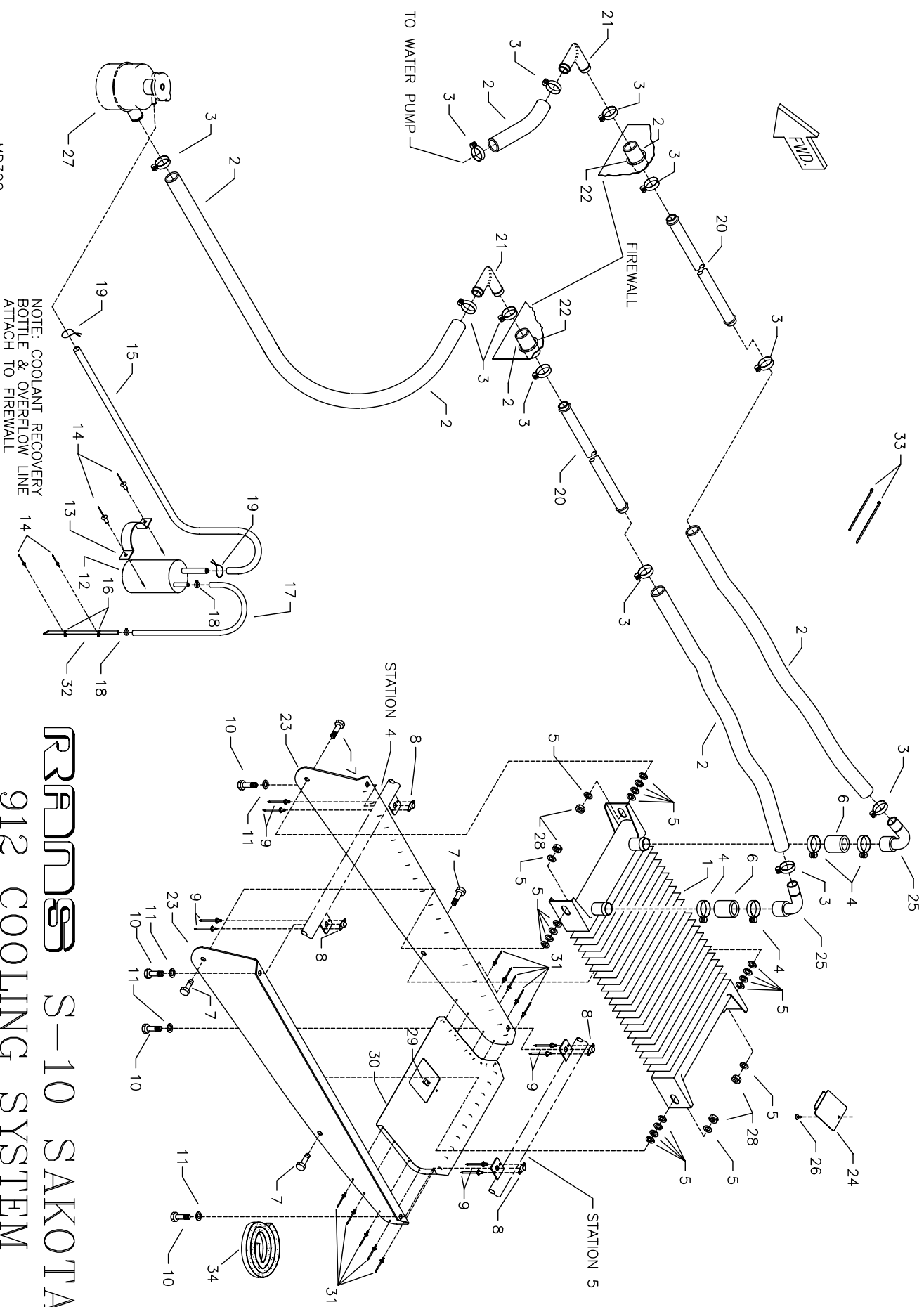
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Small Brass Washer	AN960-B4	6
2.	Oil Tank Bracket	EGCS-OTM-912	1
3.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	6
4.	90 Fitting	KSPW0002	2
5.	Oil Tank *	-----	0
6.	Hose Clamp	5-5288	2
7.	90 Fitting - Long	KSPW0082	1
8.	Straight Fitting	KSPW0026	1
9.	Oil Line - Blue	KSPW0080	5 ft
10.	Safety Wire ***	SAFETY WIRE	0
11.	3/8" Black Fuel Line	27004	2 ft
12.	Long Black Nylon Ties	LG-N-TIE	3
13.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	2
14.	3/8" Cushioned Tube Clamp	MS21919-WDG6	2
15.	3/8" x .035" x 13" Aluminum Tube **	KAAC0044-14	1
16.	Fire Sleeve ***	-----	0
17.	Gasket Ring	430-622	2
18.	Banjo Fitting	KSPW0083	1
19.	Banjo Bolt	940-878	1

*Supplied with Engine.

**Builder must fabricate from raw stock.

***Builder supplied part.

11/5/2010



RFD S-10 SAKOTA 912 COOLING SYSTEM ASSEMBLY & INSTALLATION

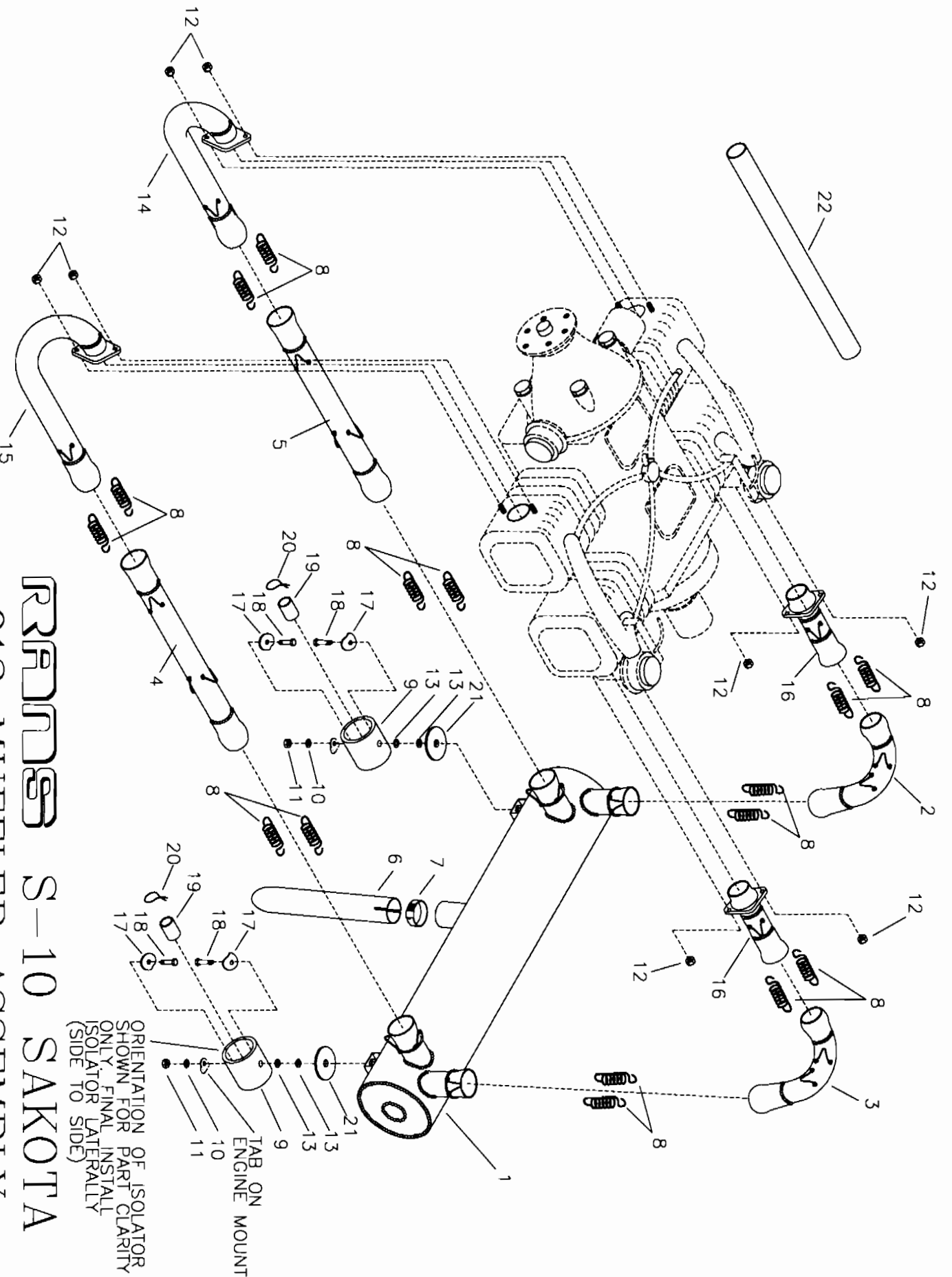
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Radiator	EGCS-RAD	1
2.	1" Radiator Hose	RADIATOR HOSE	14 ft
3.	Hose Clamp, 1 1/2"	5-5216	12
4.	Hose Clamp, 1 3/4"	5-5220	4
5.	3/16" Plastic Washer	PW-3	20
6.	1 1/4" Radiator Hose	EGCS-RHOSE	2
7.	3/16" Bolt	AN3-6A	4
8.	3/16" Nut Plate	K-1000-3	4
9.	3/32" Aluminum Pop Rivet	40APR1/8	8
10.	3/16" Bolt	AN3-4A	4
11.	3/16" Thin Washer	AN960-10L	4
12.	Coolant Recovery Bottle	EGCS-CRB	1
13.	Coolant Recovery Clamp	FS-HS	1
14.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
15.	5/16" Overflow Hose	EGCS-OFH	2 ft
16.	Conduit Clamp	S1-CC	2
17.	1/4" Blue Fuel Line	FS-FL	2 ft
18.	Line Clamp, 5/16"	FS-LCL 5/16	2
19.	Safety Wire **	-----	0
20.	FWD Radiator Line	EGCS-F-RL	2
21.	90 Aluminum Elbow	EGCS-ALUM-90	2
22.	Serrated Grommet Strip	KSAC0023	1 ft
23.	Low Drag Scoop Sides - LH	EGCS-SCOOP-1-LH	1
23.	Low Drag Scoop Sides - RH	EGCS-SCOOP-1-RH	1
24.	Radiator Drain Closure	KPPW0025	1
25.	Reducer Elbow	EGCS-RC-90	2
26.	#8 Pan Head Screw	8X1/2 PHS	1
27.	Filler Expansion Tank ***	-----	0
28.	3/16" Shear Nut	AN364-1032A	4
29.	Tinnerman	A1789-8Z-1	1
30.	Radiator Scoop Bottom	KPPW0015	1
31.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-41	14
32.	Aluminum Tube, 1/4" x .028 x 12" *	KAAC0015-3	0
33.	Zip Ties	ZIP TIES	2
34.	High Density Foam Tape, 1/8" x 1/4"	1/8-FS	1 rls

*Builder must fabricate from raw stock.

**Builder provides.

***Supplied with Engine.

7/9/2003



ORIENTATION OF ISOLATOR
SHOWN FOR PART CLARITY
ONLY. FINAL INSTALL
ISOLATOR Laterally
(SIDE TO SIDE)

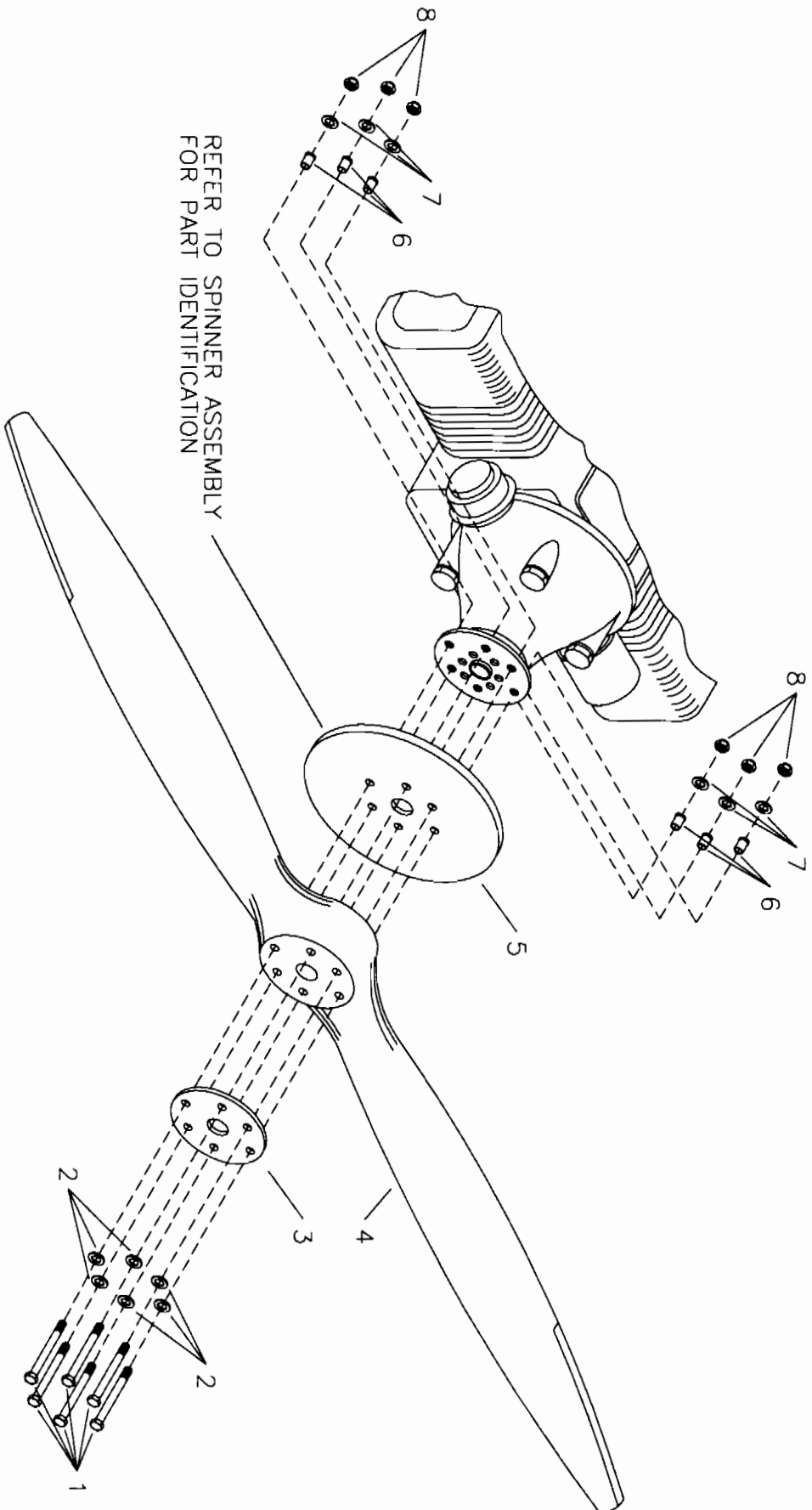
RRR S-10 SAKOTA 912 MUFFLER ASSEMBLY

S-10 SAKOTA - 912 MUFFLER ASSEMBLY

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Muffler Can	EG10-912-MUFF	1
2.	AFT Manifold #2, RH	KPEX0043	1
3.	AFT Manifold #2, LH	KPEX0044	1
4.	FWD Manifold #2, LH	KPEX0045	1
5.	FWD Manifold #2, RH	KPEX0041	1
6.	Muffler Extension	MUFF-EXT-912	1
7.	Hose Clamp, 2 1/4"	5-5228	1
8.	Muffler Spring - 912	938-790	16
9.	Rubber Hose, 1 1/4" O.D. x 1 3/8" **	KAAC0017-2	0
10.	1/4" Loc Washer	AN935-416L	2
11.	6MM Hex Nut	6MM HEX NUT	2
12.	Loc Nut *	-----	0
13.	1/4" Thick Washer	AN960-416	4
14.	FWD Manifold #1, RH	KPEX0040	1
15.	FWD Manifold #1, LH	KPEX0046	1
16.	AFT Manifold #1	KPEX0042	2
17.	Formed Washer	KPAC0053	4
18.	6MM Bolt	6MMX20MM	4
19.	Rubber Hose, 3/4" O.D. x 1 3/8" **	KAAC0017-1	0
20.	Safety Wire	SAFETY WIRE	0
21.	1/8" Aluminum Washer	EG-AW	2
22.	912 Muffler Raw Stock Kit	KAAC0017	1

*Supplied with Engine.

**Builder must fabricate from raw stock.



RRR108 S-10 SAKOTA
912 TENNESSEE PROP ASSEMBLY (STANDARD)

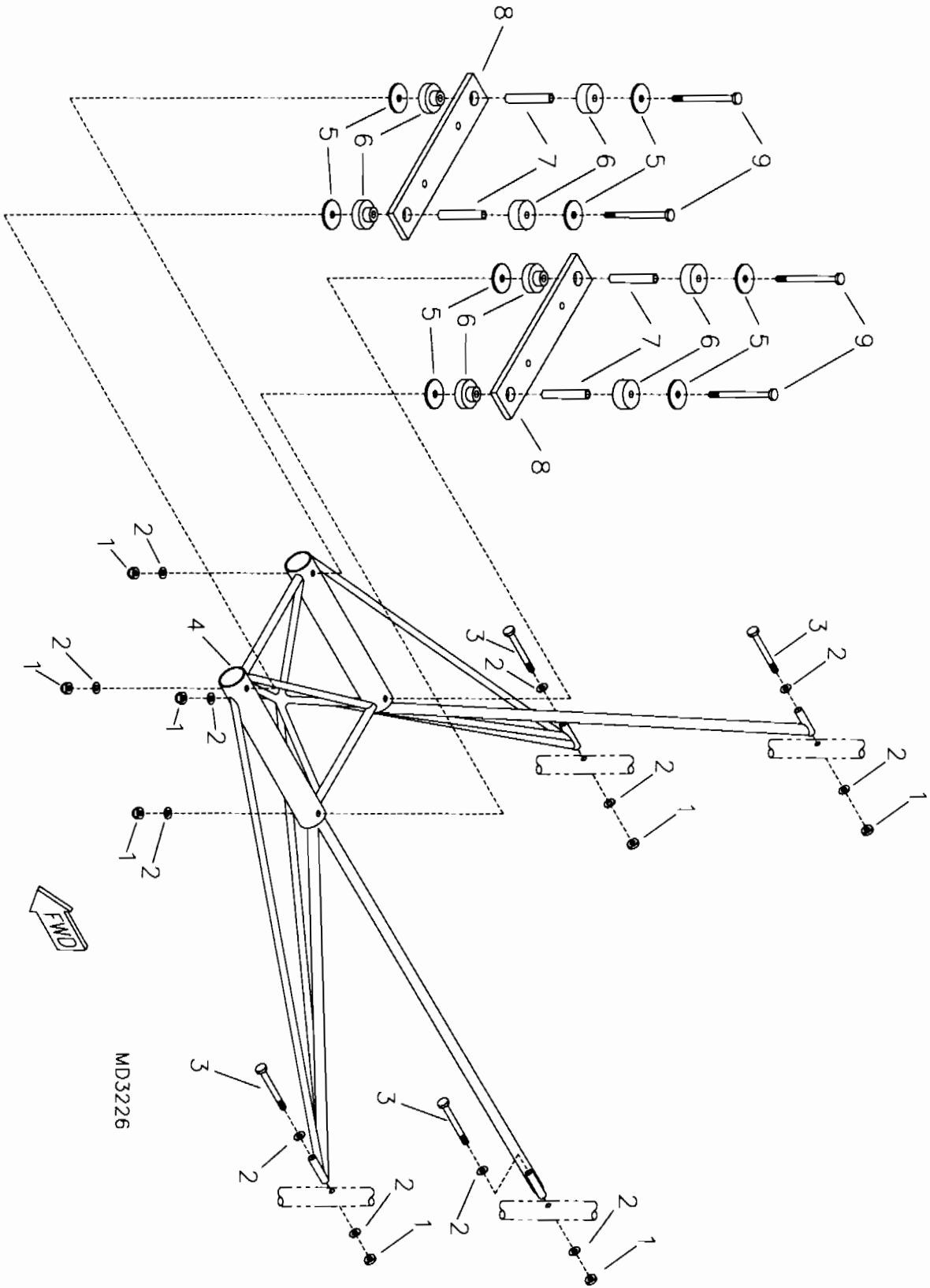
MP1975
 REV. A

S-10 SAKOTA - 912 TENNESSEE PROPELLER (STANDARD)

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Bolt (-6 Opt. Prop)	AN5-41A	6
2.	5/16" Thin Washer (-6 Opt. Prop)	AN960-516L	6
3.	Crush Plate *	EG-CRUSH-PLATE-912	0
4.	Tennessee Propeller (-1 Opt. Prop)	KSPW0004	1
5.	Spinner Backing Plate, 12" **	SPIN-BC12-912	0
6.	Flange Bushing - 912 (-6 Opt. Prop)	KPPW0038	6
7.	5/16" Thick Washer (-6 Opt. Prop)	AN960-516	6
8.	5/16" Tensile Locnut (-6 Opt. Prop)	AN365-524C	6

*Supplied with Engine.

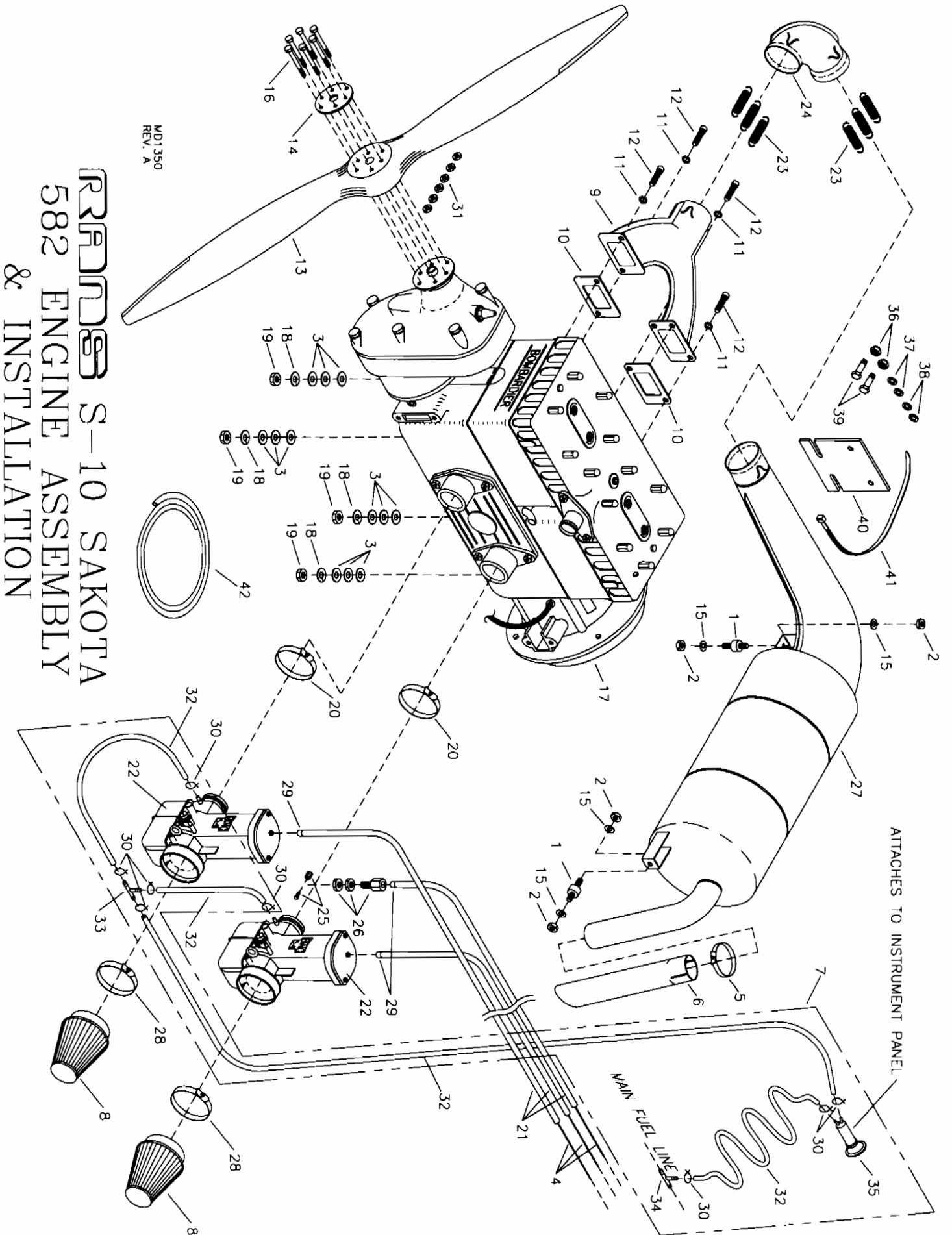
**Referenced from Spinner Assembly.



REAR S-10 SAKOTA 582 ENGINE
MOUNT ASSEMBLY AND INSTALLATION

S-10 SAKOTA - 582 ENGINE MOUNT

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Tensile Nut	AN365-428A	8
2.	1/4" Thick Washer	AN960-416	12
3.	1/4" Bolt	AN4-33A	4
4.	Engine Mount	EG-MT-582-24	1
5.	1/8" Aluminum Washer	EG-AW	8
6.	Barry Mount	22001	4
7.	Spacer Bushing, 1 1/4" X 3/8" X .058	EG-B-3/8X1 1/4	4
8.	Mount Plate, S-10	EG-MPS-10	2
9.	1/4" Bolt	AN4-27A	4



R-10 SAKOTA
582 ENGINE ASSEMBLY
& INSTALLATION

MD1350
 REV. A

S-10 SAKOTA - 582 ENGINE

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Rubber Isolator	KSEX0004	2
2.	1/4" Coarse Thread Nut	EG-1/4NC	4
3.	7/16" Thick Washer	AN960-716	12
4.	Throttle Cable, 105"	EG-T-CAB	3
5.	Hose Clamp, 2 1/4"	5-5228	1
6.	Muffler Extension, 582	EG-MEXT	1
7.	Primer Pump Kit	DUAL PRIMER	1
8.	Air Filter, K & N	EG-AF	2
9.	Exhaust Manifold, 582	KSEX0007	1
10.	Exhaust Gasket *	----	0
11.	10MM Loc Washer *	----	0
12.	10MM Shoulder Screw *	----	0
13.	Propeller	EG-PROP	1
14.	Prop Plate *	----	0
15.	1/4" Loc Washer	AN935-416L	4
16.	1/4" Bolt (With Opt. 9" Spinner)	AN4-35A	6
16.	1/4" Bolt (STD)	AN4-32A	6
17.	Rotax 582 Engine	EG-EG-582	1
18.	Engine Loc Washer *	----	0
19.	Engine Stud Nut *	----	0
20.	Carb Clamp *	----	0
21.	Throttle Cable Housing, 105"	EG-T-CAB-H	3
22.	Bing Carburetor *	----	0
23.	Muffler Spring, 582	KSEX0002	6
24.	Muffler Elbow	EG-MUFF-ELBOW-503/582	1
25.	Wire Swivel/Screw Stop	2361	1
26.	Adjustable Cable Ferrule	2373	1
27.	Muffler, 582	EG-MUFF	1
28.	Air Filter Clamp **	----	0
29.	Cable Ferrule Cap	ENDCAP-12000	3
30.	Safety Wire	SAFETY WIRE	0
31.	1/4" Tensile Nut	AN365-428A	6
32.	Primer Line ***, ****	PRIMER LINE	0
33.	Small Tee ***, ****	EG-PL-SMALL	0
34.	Main Line Tee ***, ****	EG-PL-T	0
35.	Primer Pump ***, ****	EG-PRIME-PUMP	0
36.	3/16" Shear Nut	AN364-1032A	2
37.	3/16" Thin Washer	AN960-10L	2
38.	3/16" Thick Washer	AN960-10	2
39.	3/16" Bolt	AN3-5A	2
40.	Oiler Bottle Bracket	EG-BOTM	1
41.	Long Plastic Zip Ties	LONG ZIP TIES	1
42.	Fire Sleeve *****	----	0

*Supplied with Engine.

***Supplied in Primer Kit.

*****Builder supplied part.

**Supplied with Filter.

****Not used with Acro Pack.

S-10 SAKOTA - 582 OIL INJECTION TANK MOUNT

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	SST-Clamp	SST-CLAMP-550	2
2.	8MM x 35MM Bolt	M8X35	4
3.	3/16" Wood Washer	OI-OTMW	4
4.	Rubber Hose	OI-RH3/4	4
5.	Oil Tank Mount	OI-OTMT	1
6.	Rubber Hose	OI-RH7/16	4
7.	Neoprene Strip *	2GS-6	1
8.	7/16" Black Fuel Line	KSFS0005	2 ft

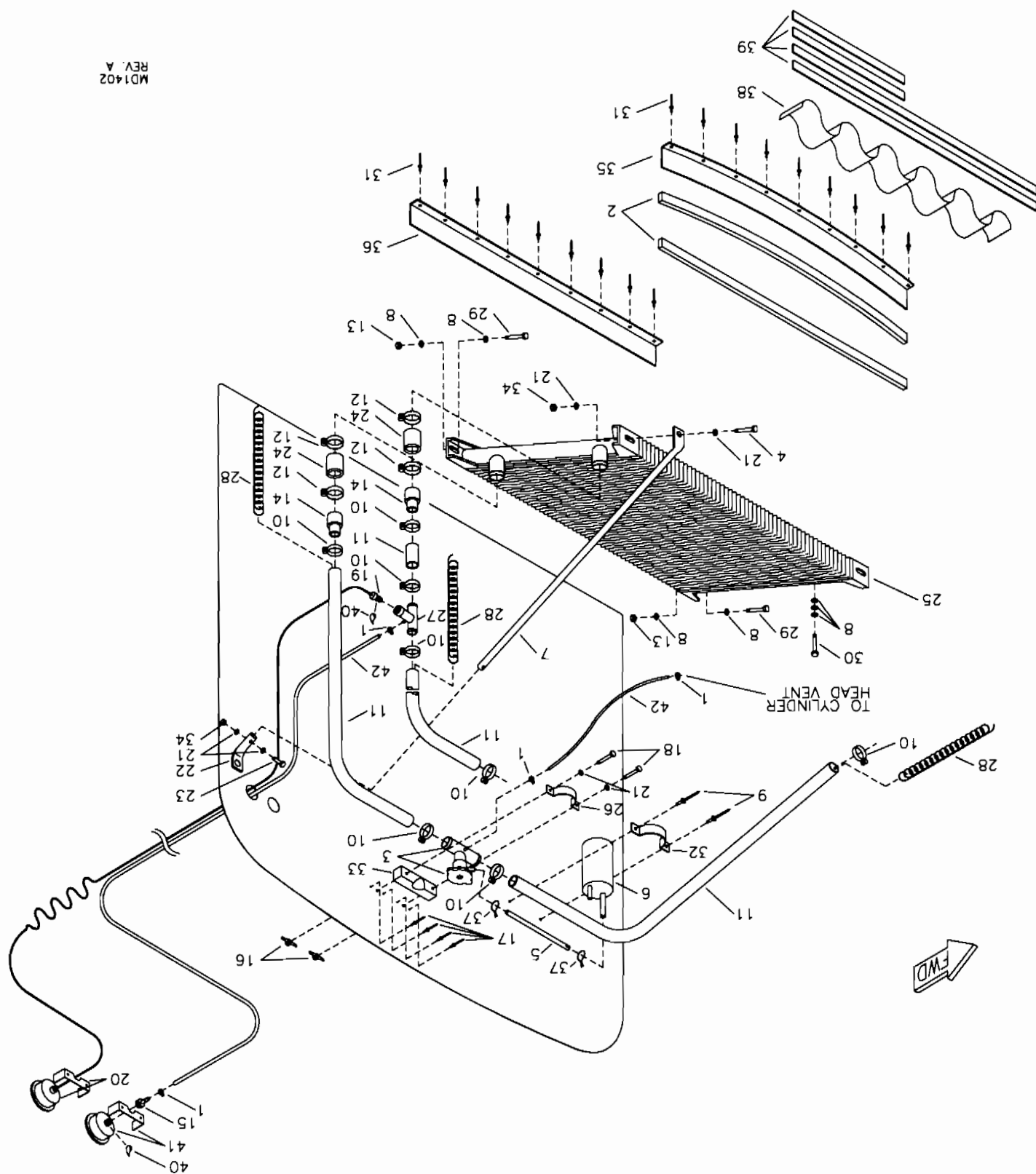
*Builder must modify. Refer to text for instructions.

S-10 SAKOTA - OIL INJECTION SYSTEM - 582

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Line Clamp, 5/16"	FS-LCL 5/16	1
2.	Small Hose Clamp	5-6202	4
3.	5/16" Black Fuel Line	KSFS0003	2 ft
4.	Loctite Blue	LOC-TITE	0
5.	1/4" Clear Fuel Line	KSFS0008	2 ft
6.	1/4" Black Fuel Line	KSFS0002	2 ft
7.	90 Withdrawal Fitting	8342	1
8.	7/8" Expansion Cap	2598K29	1
9.	90 Fitting	3-83125	1
10.	Zip Ties	ZIP TIES	5
11.	Oil Filter	414-5365	1
12.	Oil Tank	OI-TANK-A	1
13.	Adjustable Cable Ferrule	2373	1
14.	Wire Swivel/Screw Stop	2361	1
15.	Cable Ferrule Cap	ENDCAP-12000	1
16.	Safety Wire	SAFETY WIRE	0

RMS S-10 SAKOTA 582 COOLING SYSTEM

MD1402
REV. A

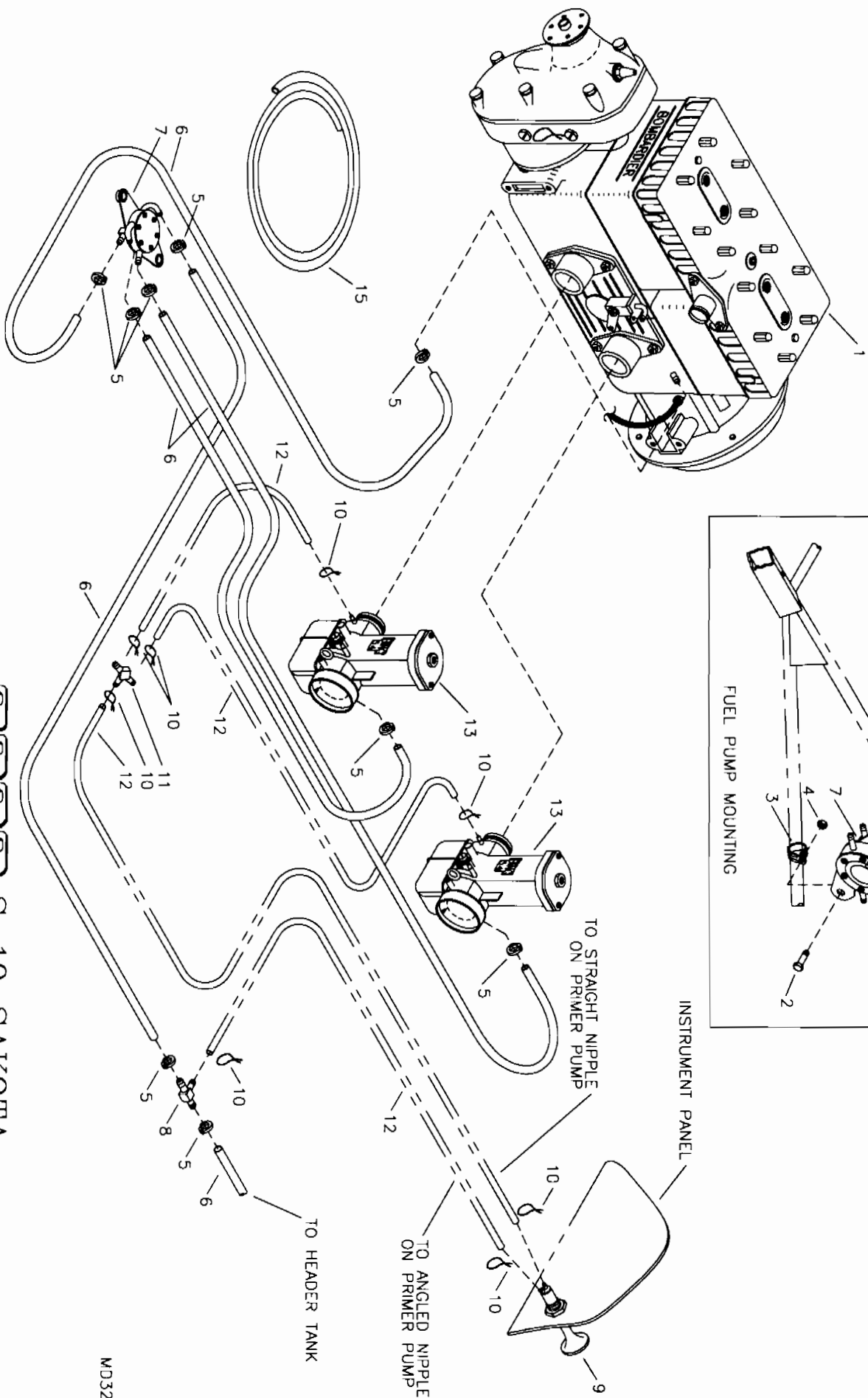


S-10 SAKOTA - 582 ENGINE COOLING SYSTEM

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Small Hose Clamp	5-6202	4
2.	Foam Rubber, 1" x 1"	FOAM RUBBER	64 in
3.	Filler Cap Tee	EGCS-FCT	1
4.	3/16" Bolt	AN3-4A	1
5.	5/16" Overflow Hose	EGCS-OFH	24 in
6.	Coolant Recovery Bottle	EGCS-CRB	1
7.	Radiator Brace Tube	EGCS-RADB	1
8.	1/4" Thick Washer	AN960-416	10
9.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
10.	Hose Clamp, 1 1/2"	5-5216	8
11.	1" Radiator Hose	RADIATOR HOSE	6 ft
12.	Hose Clamp, 1 3/4"	5-5220	4
13.	1/4" Shear Nut	AN364-428A	2
14.	Reducer Coupler	EGCS-RC	2
15.	1/8" Straight Brass Female Fitting (Optional)	26-4-2	1
16.	3/16" Nut Plate	K-1000-3	2
17.	3/32" Aluminum Pop Rivet	40APR1/8	4
18.	3/16" Bolt	AN3-14A	2
19.	Temperature Probe	-----	0
20.	Coolant Temperature Gauge *	KSPW0014	0
21.	3/16" Thin Washer	AN960-10L	6
22.	Radiator Brace Socket	EGCS-RADBS	1
23.	3/16" Bolt	AN3-6A	1
24.	1 1/4" Radiator Hose	EGCS-RHOSE	2
25.	Radiator	EGCS-RAD	1
26.	Filler Cap Retainer Strap	EGCS-FNSTRAP	1
27.	Temperature Probe Tee With Nipple (Optional)	EGCS-TEMP-T-N	1
28.	Hose Spring	EGCS-HS	4
29.	1/4" Bolt	AN4-16A	2
30.	6MM x 12MM Bolt	M6X12 BOLT	1
31.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	50
32.	Coolant Recovery Clamp	FS-HS	1
33.	Mount Block	EGCS-FNMPVC	1
34.	3/16" Shear Nut	AN364-1032A	2
35.	FWD Baffle	EGCS-FBAF	1
36.	AFT Baffle	EGCS-ABAF	1
37.	Safety Wire	SAFETY WIRE	1
38.	Rubber Fabric, 3 1/2" x 64"	EGCS-RF	1
39.	Aluminum Strip, 1/2" x 32" x .032 **	EGCS-AS	2
40.	Loctite Blue (Optional)	LOC-TITE	0
41.	Coolant Pressure Gauge *	KSPW0021	0
42.	1/8" Black Fuel Coolant Pressure Line	KSFS0001	6 ft

*Referenced from Instruments & Electrical section.

**Builder must fabricate from raw stock. See cowling instructions.



582 FUEL SYSTEM HEADER TANK FORWARD

MD3229

S-10 SAKOTA - 582 FUEL SYSTEM - HEADER TANK FORWARD

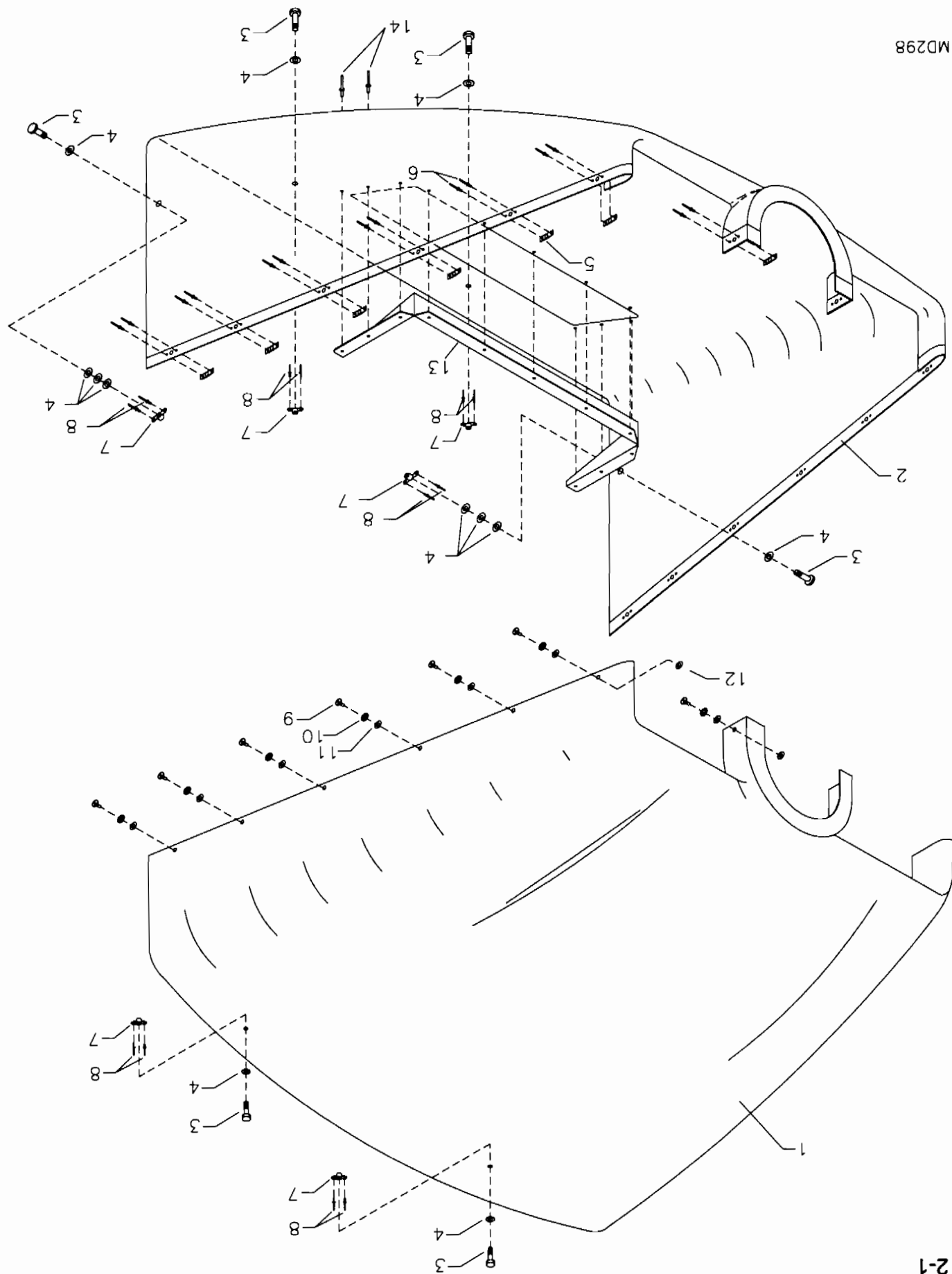
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Rotax 582 Engine *	EG-EG-582	0
2.	3/16" Bolt	AN3-7A	2
3.	5/8" Cushioned Tube Clamp	MS21919-DG10	2
4.	3/16" Shear Nut	AN364-1032A	2
5.	Fuel Line Clamp, 3/8"	FS-LCL 3/8	9
6.	1/4" Blue Fuel Line	FS-FL	10 ft
7.	Fuel Pump **	----	0
8.	Reducer Tee *	PR-1/4-1/8T	0
9.	Primer Pump *	PRIME-PUMP	0
10.	Safety Wire *	SAFETY WIRE	0
11.	1/8" Tee *	PR-1/8T	0
12.	1/8" Blue Fuel Line *	PRIMER LINE	0
13.	Carburetor *	----	0
14.	Dual Primer Kit *	DUAL PRIMER	0
15.	Fire Sleeve ***	----	0

*Referenced from 582 Engine/Prop/Muffler Installation.

**Supplied with Engine.

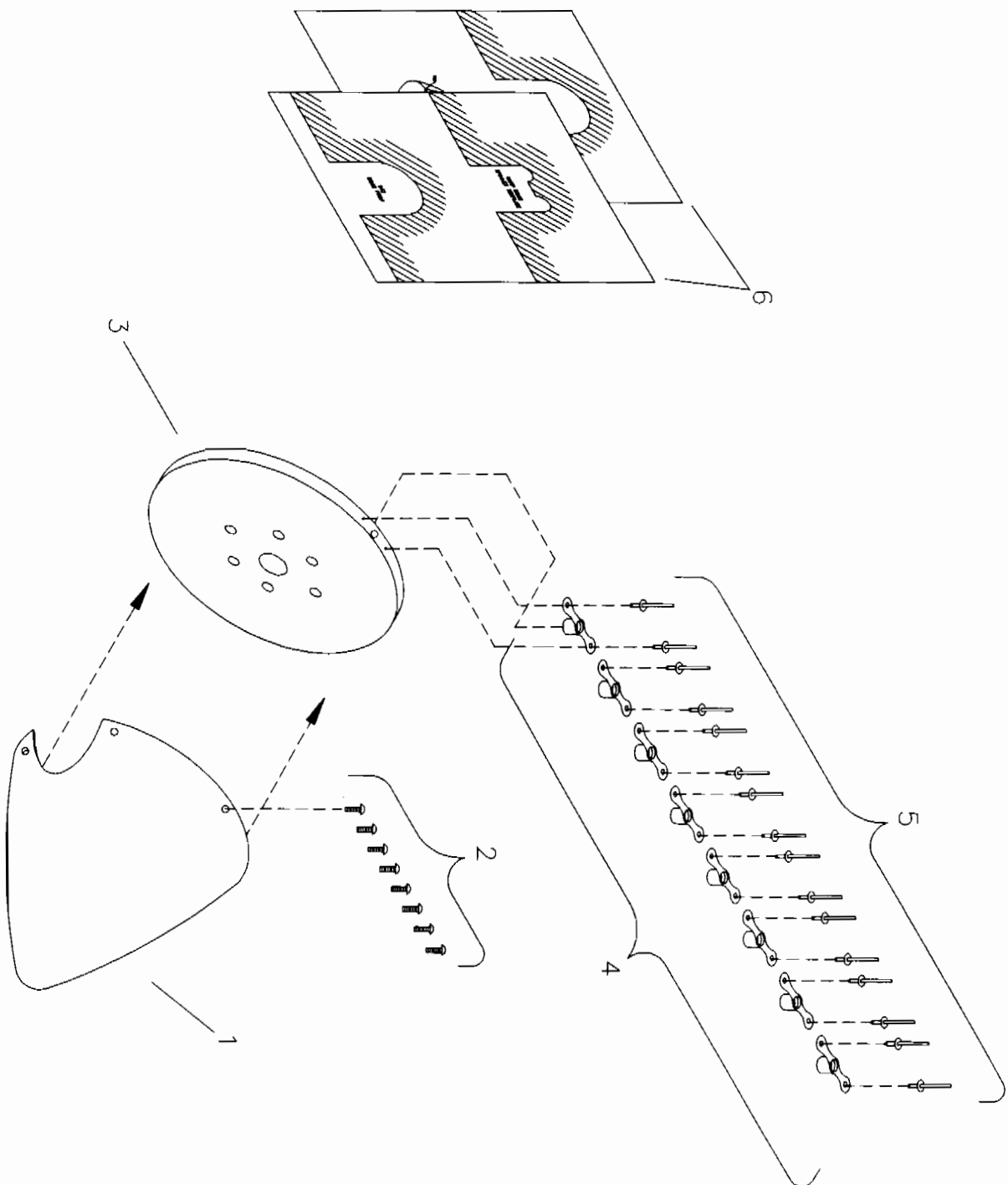
***Builder supplied part.

RMS S-10 SAKOTA COWLING ASSEMBLY 582/912



S-10 SAKOTA - COWLING

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Cowling Top	C-TOP(10)	1
2.	Cowling Bottom	C-BOT(10)	1
3.	3/16" Bolt	AN3-3A	6
4.	3/16" Plastic Washer	PW-3	12
5.	1/4 Turn Receptacle	#302	14
6.	3/32" Aluminum Pop Rivet	40APR1/4	28
7.	3/16" Nut Plate	K-1000-3	6
8.	3/32" Aluminum Pop Rivet	40APR1/8	12
9.	1/4 Turn Stud	#180	14
10.	Rubber Washer	#201	14
11.	Wear Washer Nylon	#103	14
12.	Snap Ring	#101	14
13.	Cowling Lip	KPCW0012	1
14.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	11



RRM S-10 SAKOTA 12" SPINNER

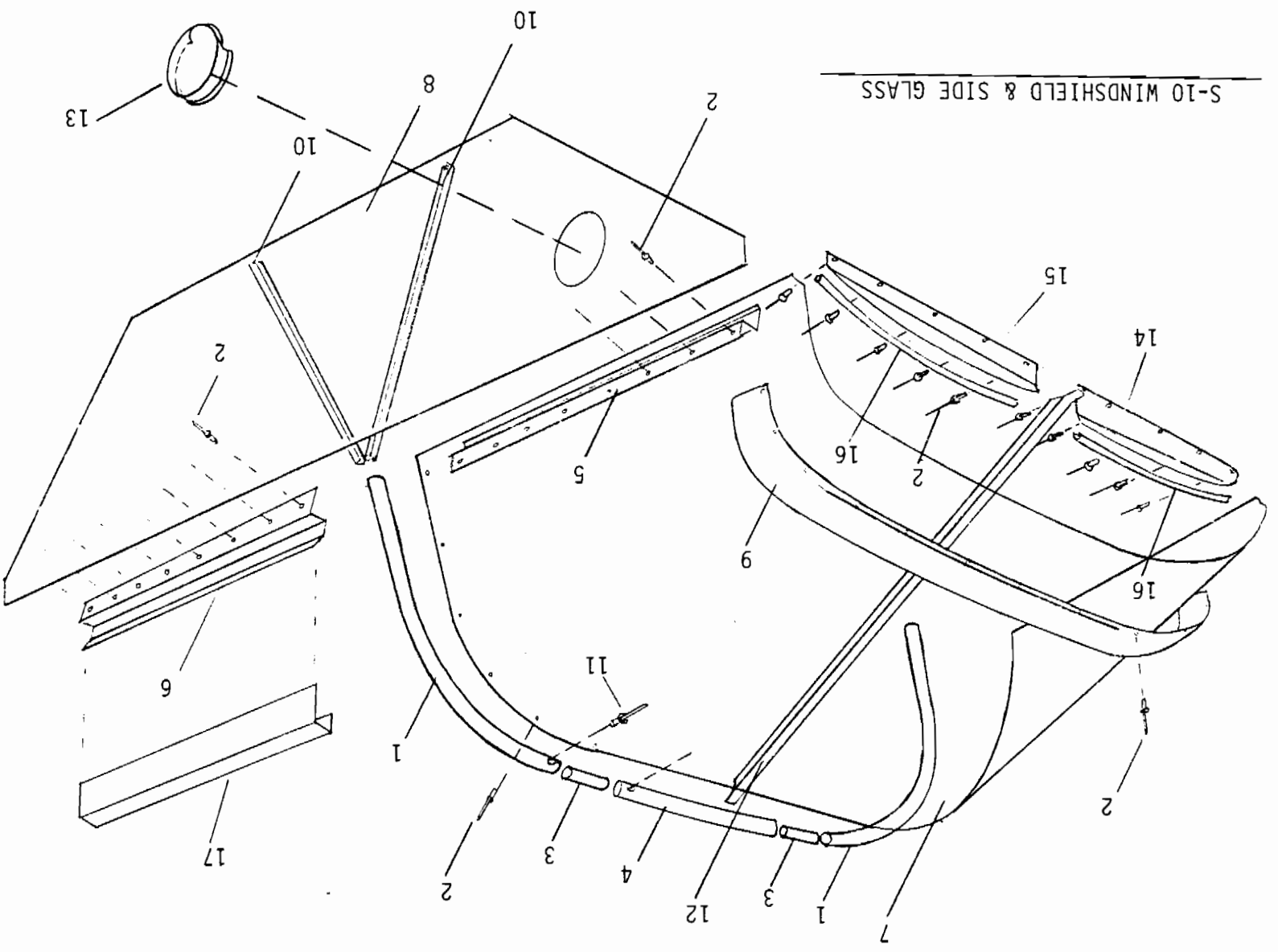
MD1403

S-10 SAKOTA - 12" SPINNER

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Spinner Dome, 12"	SPIN-12	1
2.	Pan Head Phillips Bolt (5/8" long)	KSHW0071	10
3.	Spinner Backing Plate, 12" (-1 912)	SPIN-BC12-582	1
3.	Spinner Backing Plate, 12" - 912/912S (-1 582)	KPPW0042	1
4.	3/16" Nut Plate	K-1000-3	10
5.	3/32" Aluminum Pop Rivet	40APR1/4	20
6.	Spinner Template *	-----	0

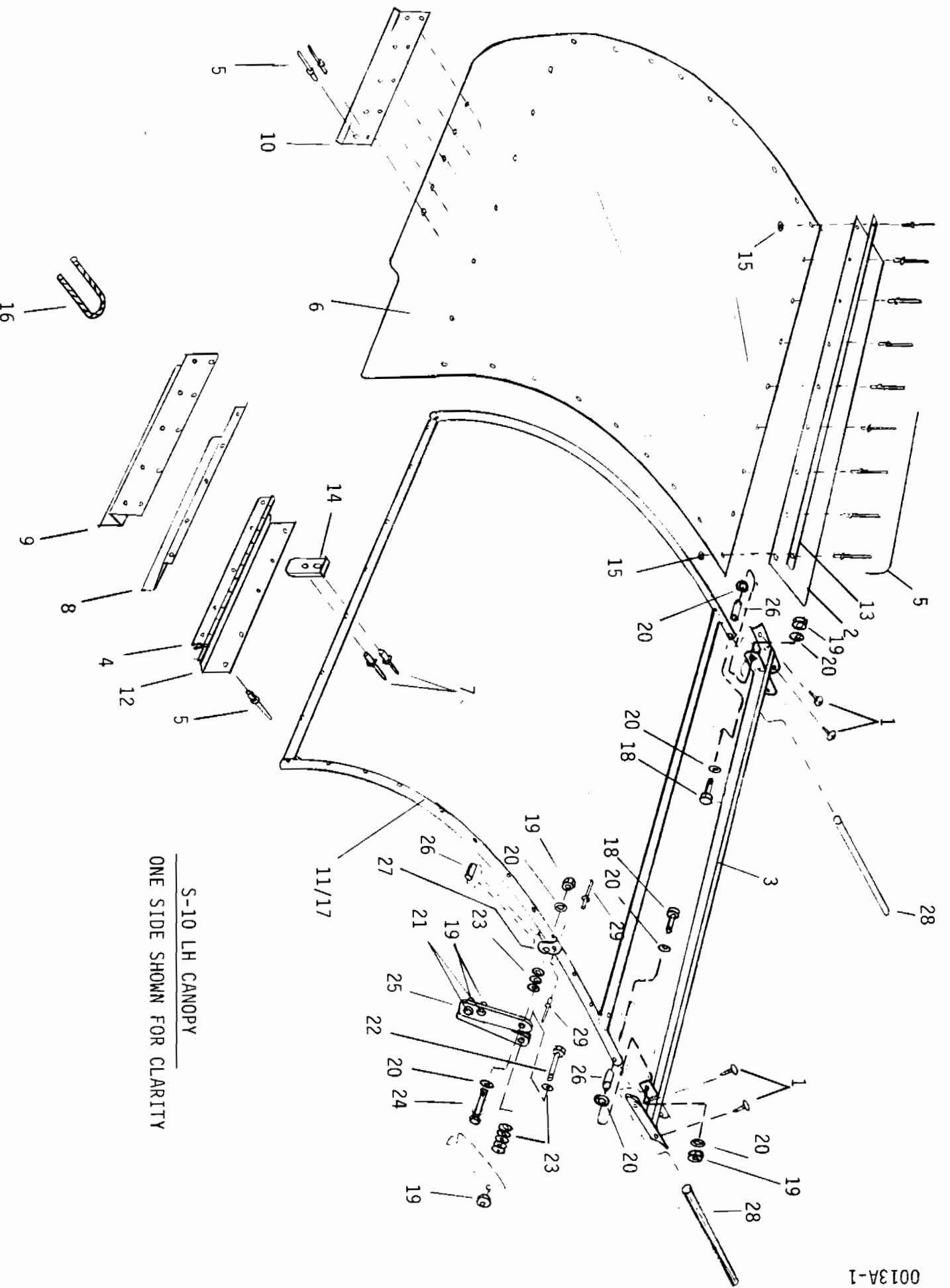
*Included in text portion of manual.

S-10 WINDSHIELD & SIDE GLASS



S-10 SAKOTA - WINDSHIELD & SIDE GLASS

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Canopy Former	WS-CF	1
2.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	120
3.	Splice Tube, 3/4"	F-ST-3/4	2
4.	Canopy Former Expander Tube	WS-CF-ET	1
5.	Side Glass "Z" Strip	WS-SGZ	2
6.	AFT Side Glass "Z" Strip	WS-SGZ-AFT(10)	2
7.	Windshield	WS-WS-10	1
8.	Side Glass	WS-SG	2
9.	Windshield Molding	WS-MOL	1
10.	Foam Rubber Strip, 3/8" x 1/2"	WS-FS-1/2	5 ft
11.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
12.	Windshield Channel	WS-CHAN	1
13.	Air Vent	AIR-VENT	2
14.	Inside Windshield Support - R	WS-ISUPR	1
15.	Inside Windshield Support - L	WS-ISUPL	1
16.	Trimlock	TRIM-LOC	30 in
17.	Latch Channel	WS-LC	2



S-10 LH CANOPY
ONE SIDE SHOWN FOR CLARITY

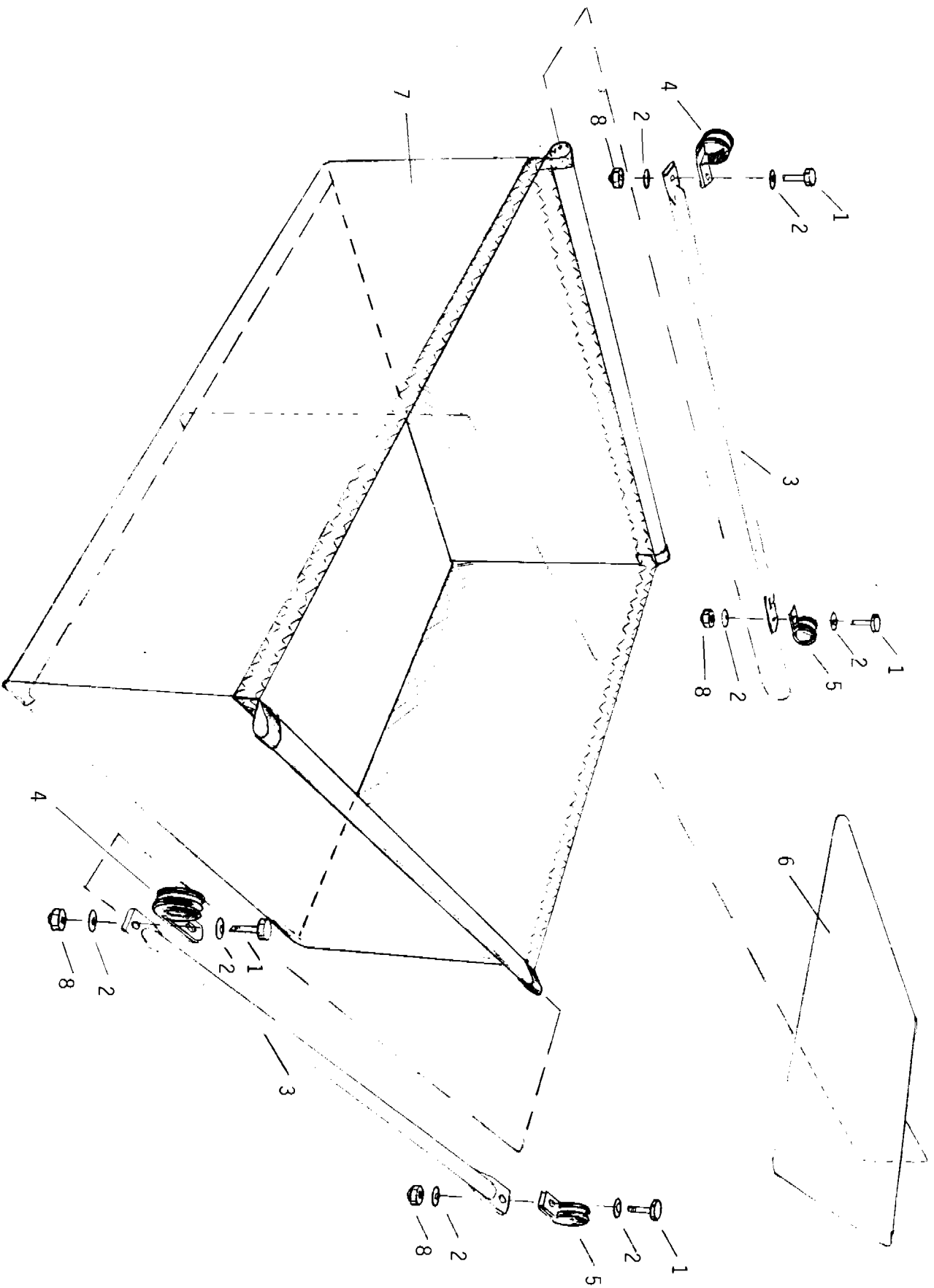
S-10 SAKOTA - CANOPY

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	#8 Pan Head Screw	8X1/2 PHS	4
2.	Seal (Vinyl), 25" X 5" *	CAN-VIN	1
3.	Spreader Bar	CAN-SPR	1
4.	Piano Hinge, 10"	CAN-PH-10	2
5.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	96
6.	Canopy Leaf **	CAN-LEAF	2
7.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
8.	Edging Strip	CAN-ES	2
9.	Inside "Z"	CAN-Z	2
10.	Outer Strip	CAN-OS	2
11.	Canopy Frame, RH	CAN-F-RH	1
12.	Canopy Catch	CAN-CATCH	2
13.	Cap Strip, 1/2" X 25" X .032	CAN-CAP-S	2
14.	Finger Tab (1/8" X 1" Aluminum)	CAN-TAB	2
15.	1/8" Small Brass Washer	AN960-B4	4
16.	Bungee Safety (2 @ 9")	CAN-B-SAF	18 in
17.	Canopy Frame, LH	CAN-F-LH	1
18.	3/16" Bolt	AN3-7A	4
19.	3/16" Shear Nut	AN364-1032A	4
20.	3/16" Thin Washer	AN960-10L	8
21.	3/16" Bolt	AN3-3A	4
22.	3/16" Bolt	AN3-15A	2
23.	3/16" Thick Washer	AN960-10	16
24.	3/16" Bolt	AN3-12A	2
25.	Up Catch	CAN-UP-CATCH	2
26.	Bushing, 1/4" X 1/2" *	SB-1/4X1/2	4
27.	Aileron Clip	W-A-CLIP	2
28.	Wood Dowel, 24" X 7/16"	CAN-DOWEL	1
29.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	8

*Fabricate from stock kit.

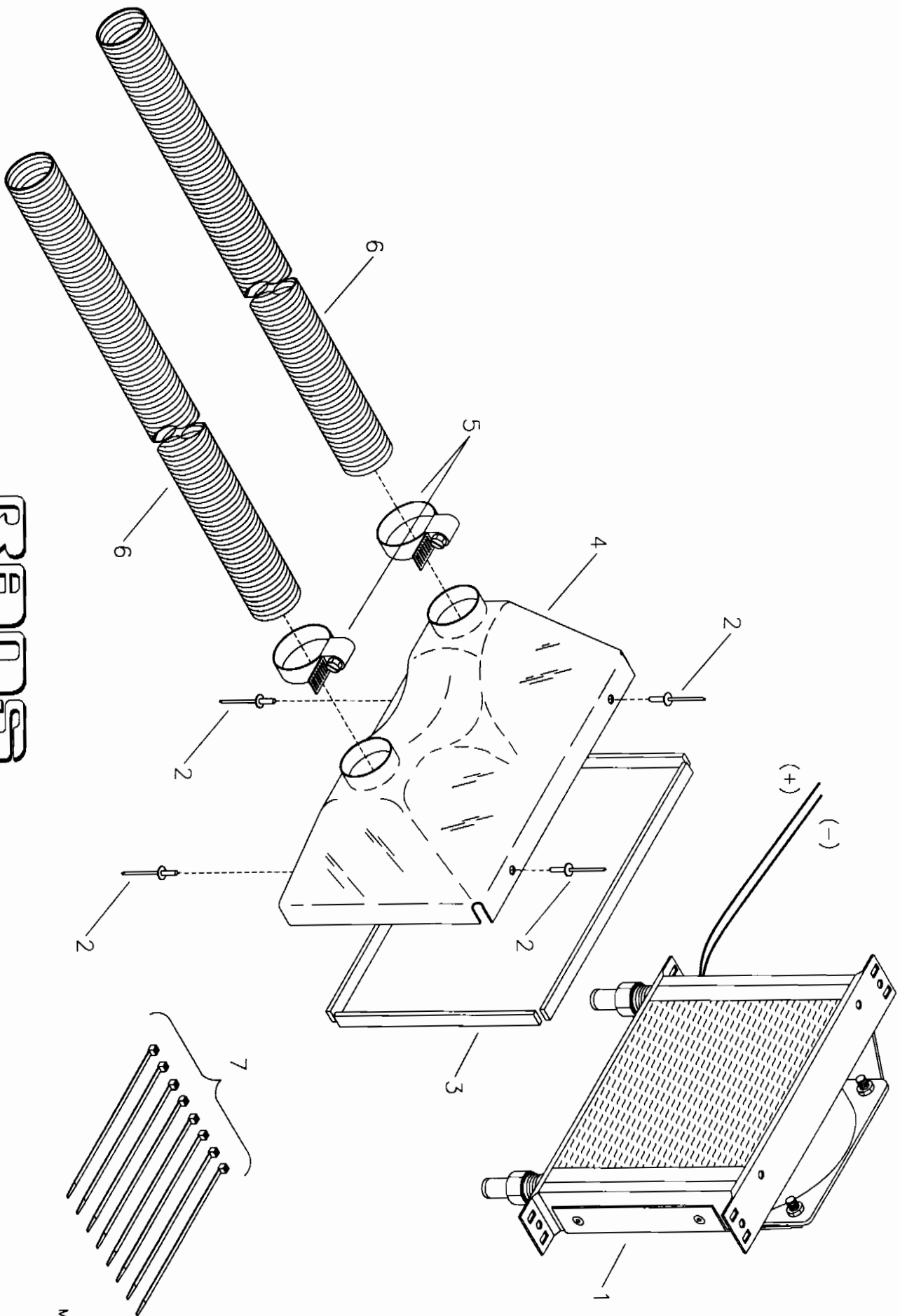
**Add \$5.00 for tinted.

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Aircraft Fabric	CV-S10	30 yds
2.	2" Surface Tape	2 TAPE	3 rls
3.	4" Surface Tape	4 TAPE	24 ft
4.	Rib Lacing	RIB LACING	1 rls
5.	Inspection Ring	CV-IR	5
6.	Inspection Plate	CV-IP	5
7.	U-500 Urethane Adhesive	KSCV0001	1 gal
8.	1/4" Rib Tape	RIB TAPE	1 rls
9.	Lexan Scraps	LEX	1
10.	Thin Lexan Sheet	LEX-24X24	1
11.	Tail Spring Access Cover	COVER-3X5	1
12.	Speed Bump	WS-S-B	2
13.	#4 Small Pan Head Screw	4X1/4 PHS	24
14.	Rudder Cable Exit	CV-RX	2
15.	Speed Bump Exit Ring	KPCV0010	2



S-10 SAKOTA BAGGAGE COMPARTMENT

#	Part Name	Part No.	Qty
1.	3/16" Bolt	AN3-5A	4
2.	3/16" Thin Washer	AN960-10L	8
3.	Baggage Brace	BAG-BRACE	2
4.	1" Cushioned Clamp	MS21919-DG16	2
5.	5/8" Non Cushioned Clamp	MS21919-DG10	2
6.	Baggage Compartment Bottom	BAG-BOT	1
7.	Baggage Compartment	BAG-BAG	1
8.	3/16" Shear Nut	AN364-1032A	4



MD1045

OPTIONAL HEATER CORE ASSEMBLY WITH OPTIONAL SHROUD

S-10 SAKOTA - OPTIONAL 912 HEATER ASSEMBLY

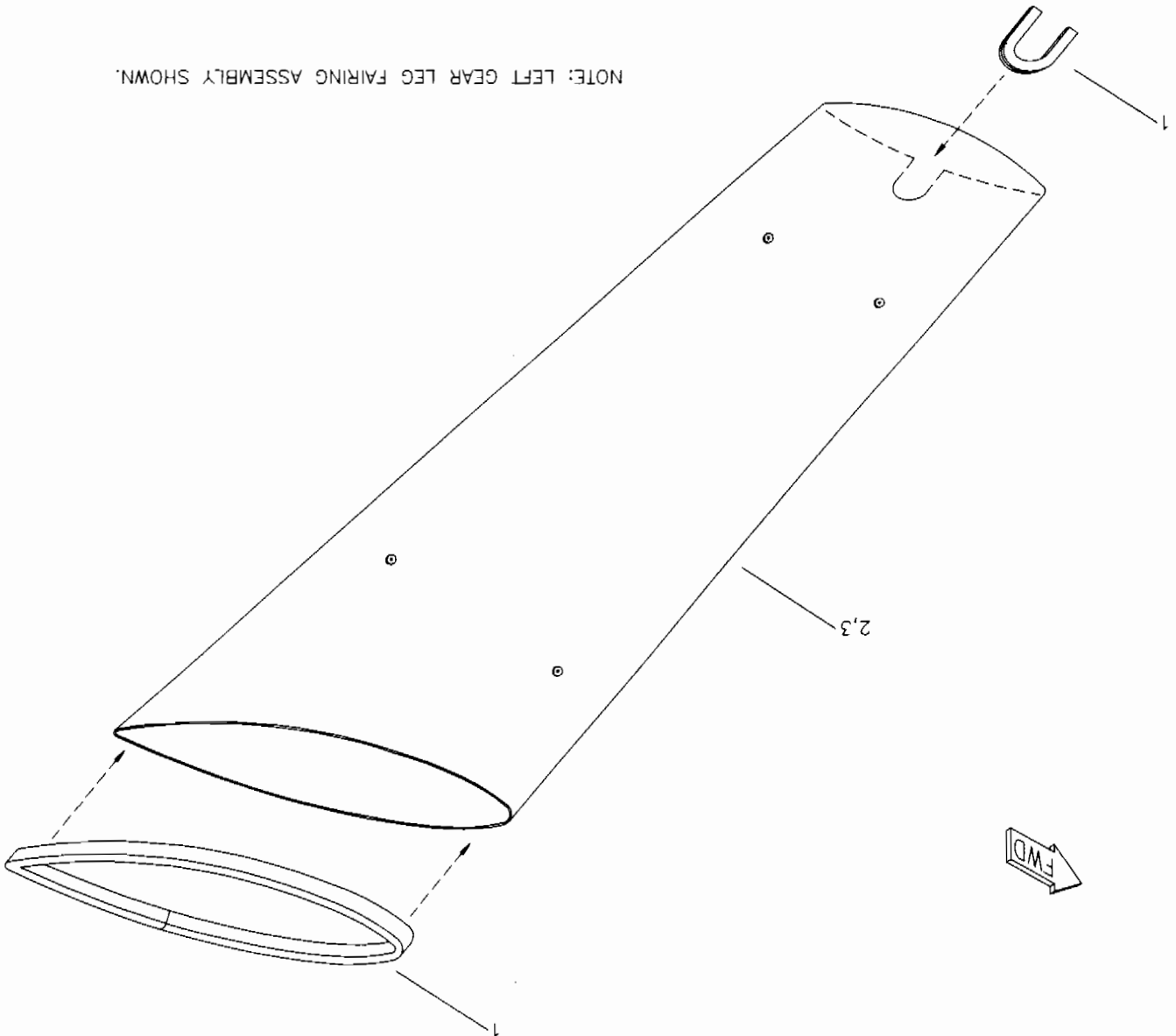
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	25
2.	Retainer Ring	H-RR	1
3.	Heater Lexan Ring	KPSY0014	1
4.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	10
5.	Air Diverter	KASY0001	1
6.	#40 Roll Pin	T19-094-0625	1
7.	Wire Swivel/Screw Stop	2361	1
8.	Flapper Arm	KPSY0006	1
9.	Hose Clamp, 1 3/4"	5-5220	4
10.	1 1/2" Heater Duct/Creet Hose	CREET HOSE	5 ft
11.	3/16" Shear Nut	AN364-1032A	2
12.	3/16" Thin Washer	AN960-10L	4
13.	Trim Tab Hinge	ST-16-BENT	1
14.	Loom Clamp	S1-CC	1
15.	3/16" Bolt	AN3-4A	1
16.	Control Cable	48701-0-96	1
17.	1 1/2" Tube Strap	KPSY0015	1
18.	Inlet Manifold	H-CO	2
19.	Heater Wrap - 912	KPSY0013	1
20.	Muffler Wrap Standoff	KPSY0017	2
21.	Rubber Gasket	H-S7RR	1
22.	3/16" Bolt	AN3-5A	1
23.	Cushioned Tube Clamp	MS21919-WDG24	1
24.	Angle Bracket	KPSY0016	1
25.	Inlet/Outlet Tube, 1 1/2" x 6"	H-OT	6 in
26.	10MM Bolt	M10X20	1
27.	Fiberglass Rope	8815K162	4 ft

S-10 SAKOTA - OPTIONAL 912 HEATER CORE ASSEMBLY
(WITH OPTIONAL SHROUD)

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Heater Core	21608	1
2.	3/32" Aluminum Pop Rivet	40APR1/8	4
3.	Foam Strip, 1/8" x 1/4"	FS-1/8X1/4	2 ft
4.	Heater Shroud	KPSY0008	1
5.	Hose Clamp, 1 3/4"	5-5220	2
6.	1 1/2" Heater Duct/Creet Hose	CREET HOSE	10 ft
7.	Zip Ties	ZIP TIES	8

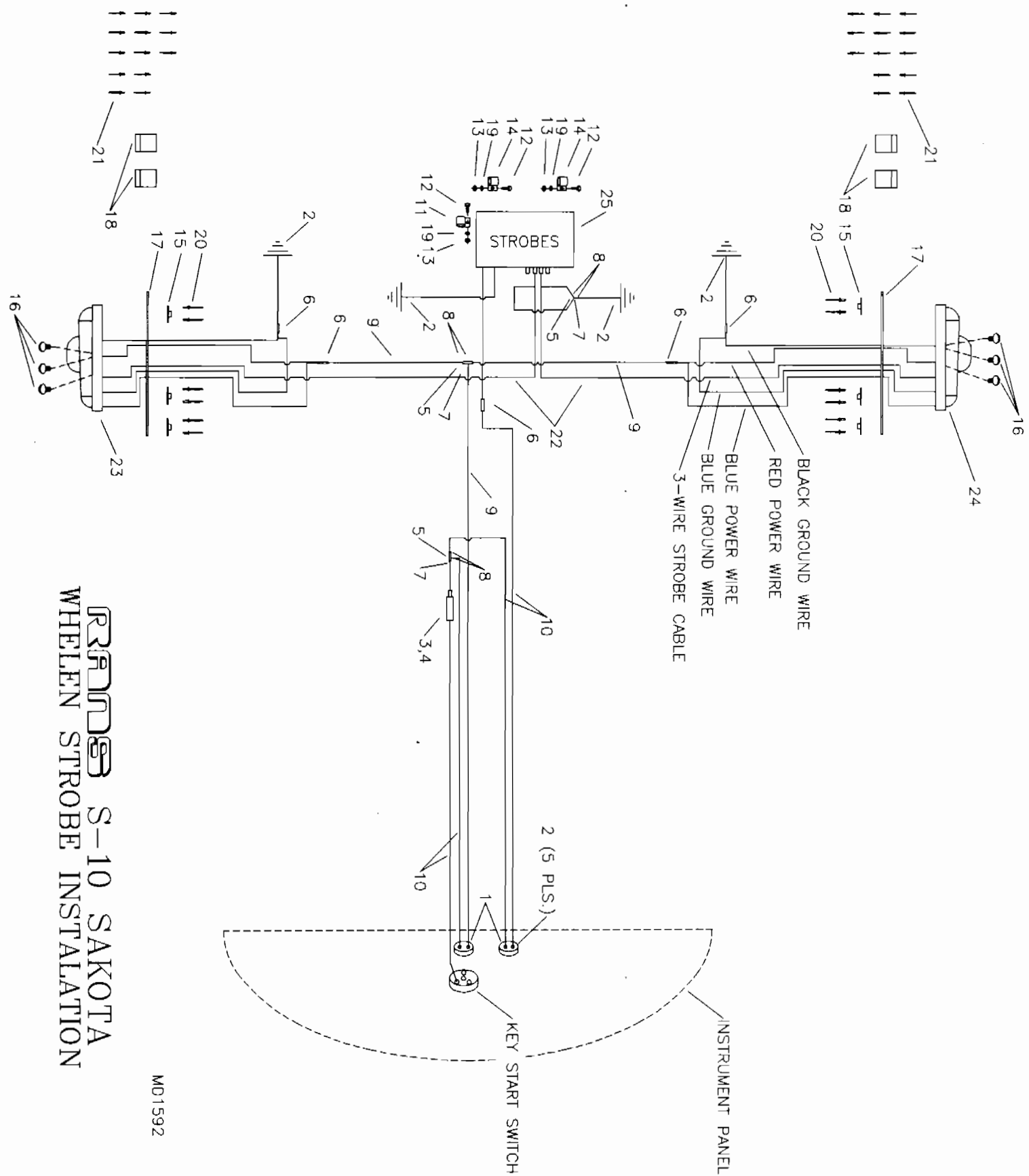
RRMS S-10 SAKOTA GEAR LEG FAIRING ASSEMBLY

MD1421



S-10 SAKOTA - GEAR LEG FAIRINGS

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Rubber Edging	X1011	40 in
2.	Gear Leg Fairing - LH	GL-FAIR-LH(10)	1
3.	Gear Leg Fairing - RH	GL-FAIR-RH(10)	1



SAKOTA S-10 WHEEL STROBE INSTALLATION

MD1592

S-10 SAKOTA - OPTIONAL WHELEN STROBE INSTALLATION

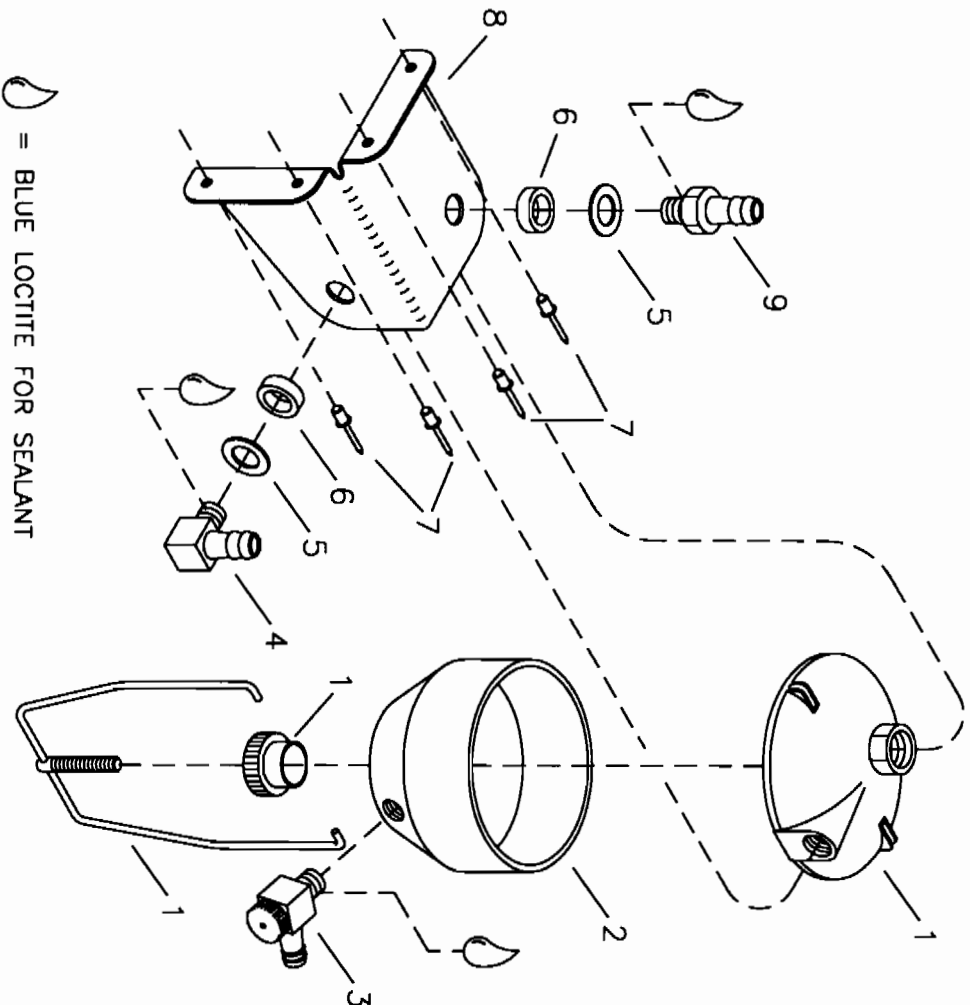
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Ignition Switch	MS35058-22	2
2.	14 Gauge Eye Terminal, Blue 3/16"	IP-7102	9
3.	15 AMP Fuse	KSES0020-15	1
4.	14 Gauge, In Line Fuse Holder	KSES0019	1
5.	Terminal Y Connector, Brass	IP-YC	3
6.	14 Gauge Splice, Butt Connector	IP-7132	5
7.	14 Gauge Male Spade Terminal, Blue	IP-7126	3
8.	14 Gauge Female Spade Terminal, Blue	IP-7128	6
9.	14 Gauge Yellow Wire	14 GA WIRE/YELLOW	50 ft
10.	14 Gauge Red Wire	14 GA WIRE/RED	12 ft
11.	1/2" Non Cushioned Clamp	AN742-D8	1
12.	3/16" Bolt	AN3-4A	3
13.	3/16" Shear Nut	AN364-1032A	3
14.	1" Non Cushioned Clamp	AN742-D16	2
15.	8-32 Nut Plate	MS21047-08	6
16.	8/32" Truss Head Bolt	AN515-8R7	6
17.	116 Navigation Light Mount Plate	116-NAV-MT-080	2
18.	Reinforcement Strap *	KPW10014	4
19.	3/16" Thin Washer	AN960-10L	3
20.	3/32" Aluminum Pop Rivet	40APR1/8	12
21.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	26
22.	Whelen Installation & Cable	HD-60	1
23.	Whelen Left Strobe Light	A600-PR	1
24.	Whelen Right Strobe Light	A600-PG	1
25.	Whelen Strobe Light Power Supply	A413A, HDA-DF	1

*Builder modifies as required.

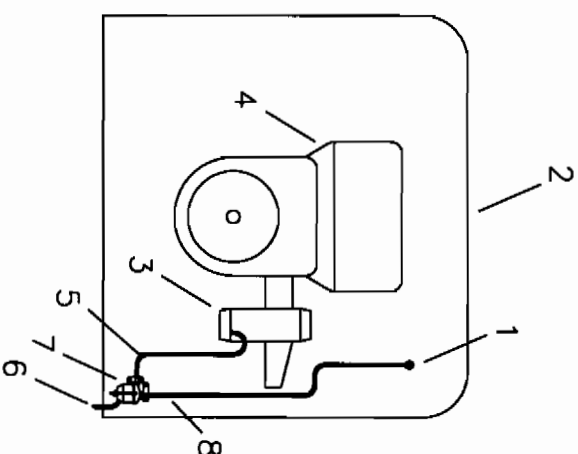
S-10 SAKOTA - OPTIONAL MAP BOX

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Top Angle	KPIP0019	1
2.	Map Box Top	KPIP0020	1
3.	Map Box FWD Close Out	KPIP0021	1
4.	Side Angle	KPIP0022	2
5.	Map Box	KPIP0023	1
6.	Map Box Door	KPIP0024	1
7.	Map Box FWD Attach Bracket, LH	KPIP0025-L	1
8.	Map Box FWD Attach Bracket, RH	KPIP0025-R	1
9.	Brass Door Hinge	KSIP0006	2
10.	1/8" Aluminum Pop Rivet - Avex	1691-0410	60
11.	Map Box Knob	KSAC0012	1
12.	Door Catch	KSIP0007	1
13.	3/16" Shear Nut	AN364-1032A	1
14.	1/8" Small Brass Washer	AN960-B4	12
15.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	2
16.	Brass Nut	IP-BN	2
17.	Brass Bolt	IP-BB	2
18.	Loc Washer	AN935-B4	2

FUEL SYSTEM GASCOLATOR FOR ALL MODELS
OF ~~REX100183~~ AIRCRAFT.



TYPICAL GASCOLATOR INSTALLATION
MOUNT VIA RIVETS AT LOW POINT ON
FIREWALL. ALLOW ACCESS THROUGH
COWLING FOR DRAINING PRIOR TO
FLIGHT.

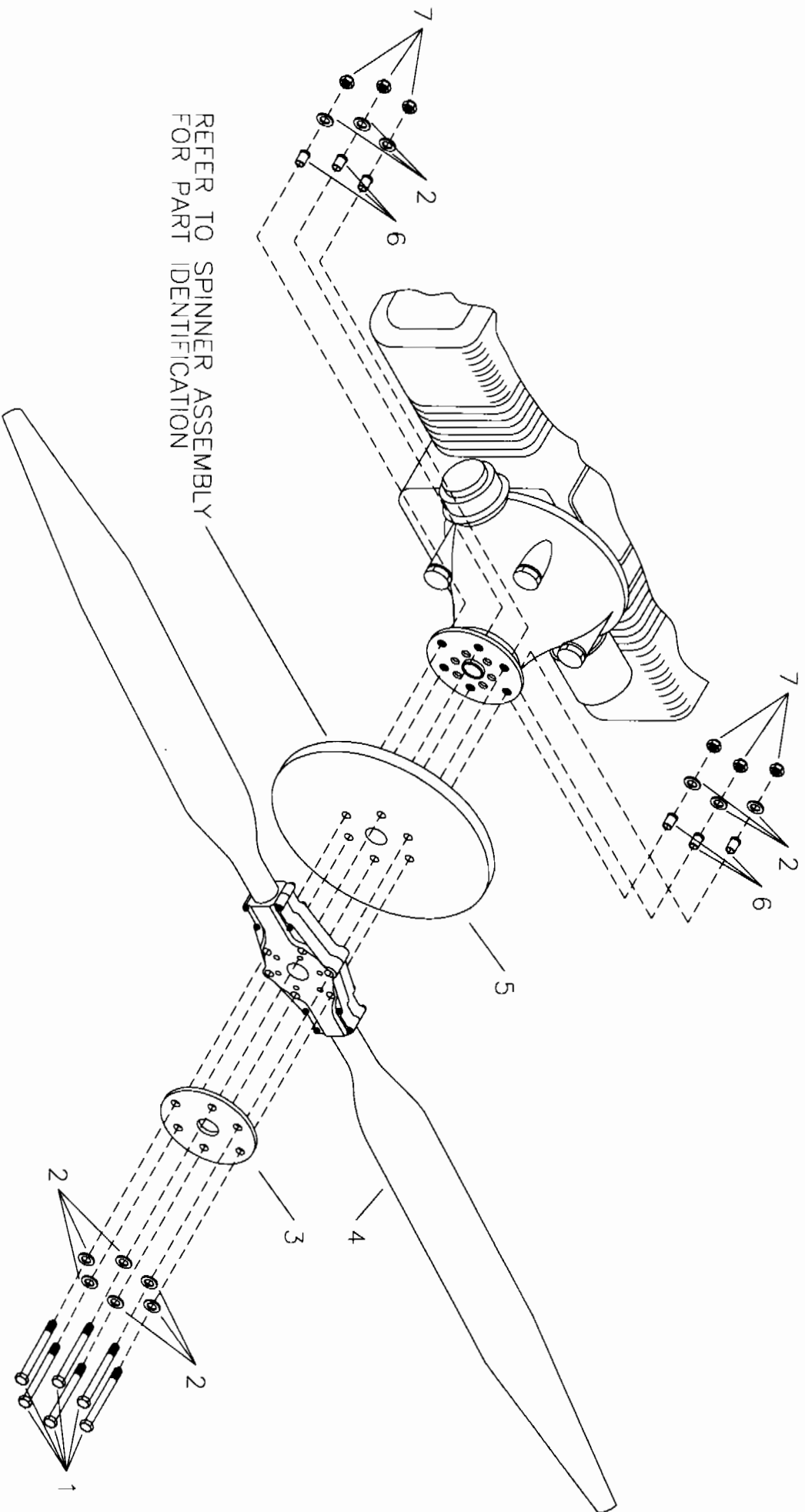


1. FIREWALL GROMMET
2. FIREWALL
3. CARBURETOR(S)
4. ENGINE
5. FUEL OUTLET FROM GASCOLATOR
6. FUEL DRAIN
7. GASCOLATOR
8. FUEL FEED FROM TANKS

THIS SLICE OF RUBBER HOSE (6) GOES BETWEEN BRACKET AND WASHER TO FRICTION MOUNT GASCOLATION. TIGHTEN DOWN FITTINGS INTO THE GASCOLATOR TO EFFECT A SEAL AND THE MOUNT SHOULD BE SECURE.

S-10 SAKOTA - GASCOLATOR

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Gascolator	GAS-LAT	1
2.	Gascolator Bowl	GAS-BOWL	1
3.	Sump Drain Valve	8336	1
4.	90 Withdrawal Fitting	8342	1
5.	3/8" Thick Washer	AN960-616	2
6.	Rubber Hose, 3/8" I.D. X 1/4" Long	GAS-RH-3/8X1/4	2
7.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	4
8.	Gascolator Mount	GAS-MT	1
9.	Straight Withdrawal Fitting	8330	1



OPTIONAL 912 WARP DRIVE PROP ASSEMBLY

MD1974
REV. A

S-10 SAKOTA - OPTIONAL 912/912S WARP DRIVE PROPELLER

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Bolt	AN5-34A	6
2.	5/16" Thick Washer	AN960-516	12
3.	Crush Plate *	EG-CRUSH-PLATE-912	0
4.	Warp Drive Propeller	KSPW0005	1
5.	Spinner Backing Plate, 12" - 912/912S **	KPPW0042	0
6.	Flange Bushing - 912	KPPW0038	6
7.	5/16" Tensile Steel Loc Nut	AN365-524C	6

*Supplied with Engine.

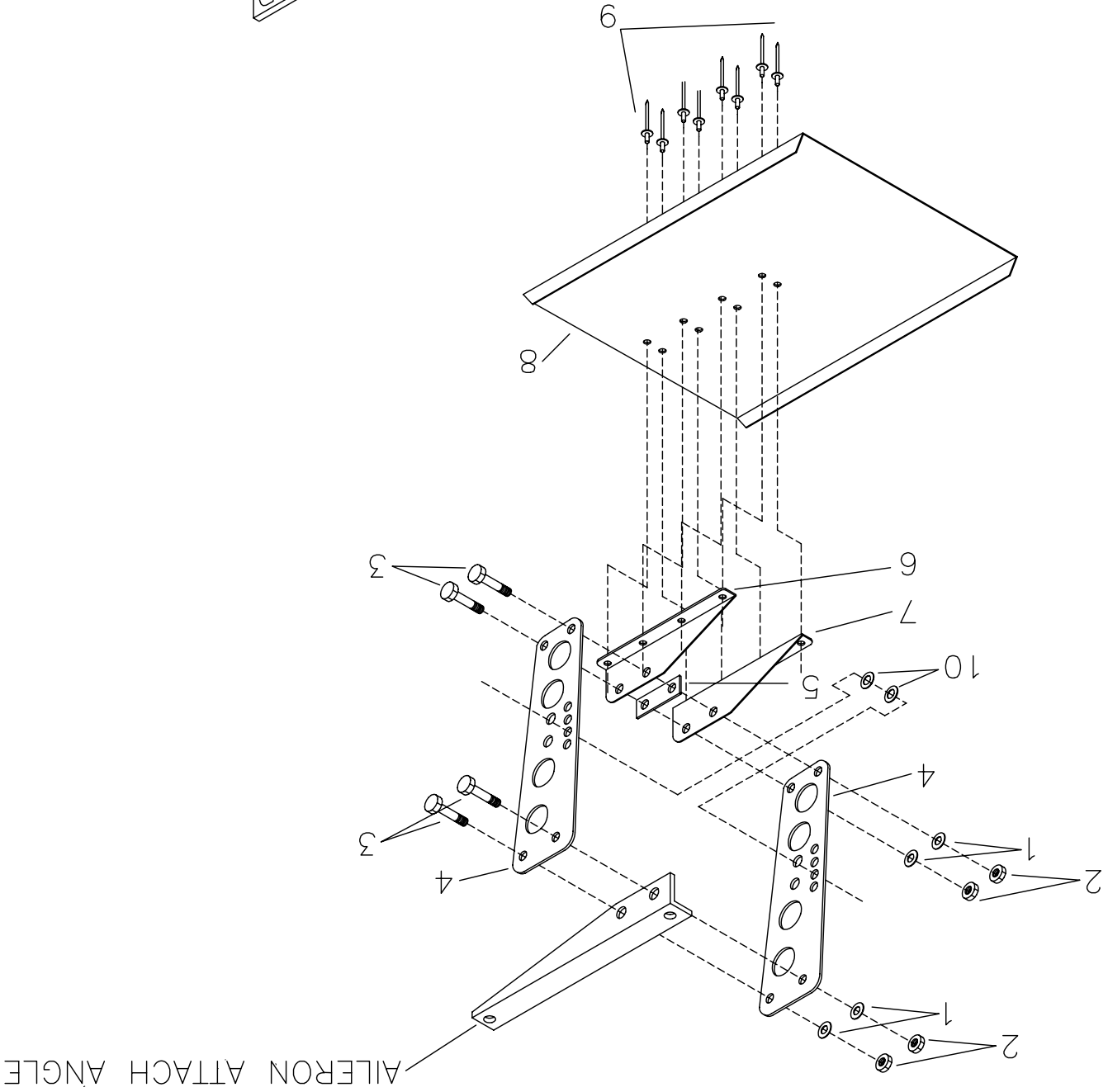
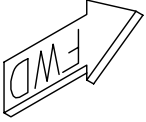
**Referenced from Spinner Assembly.

S-10 SAKOTA - OPTIONAL AEROBATIC PACKAGE

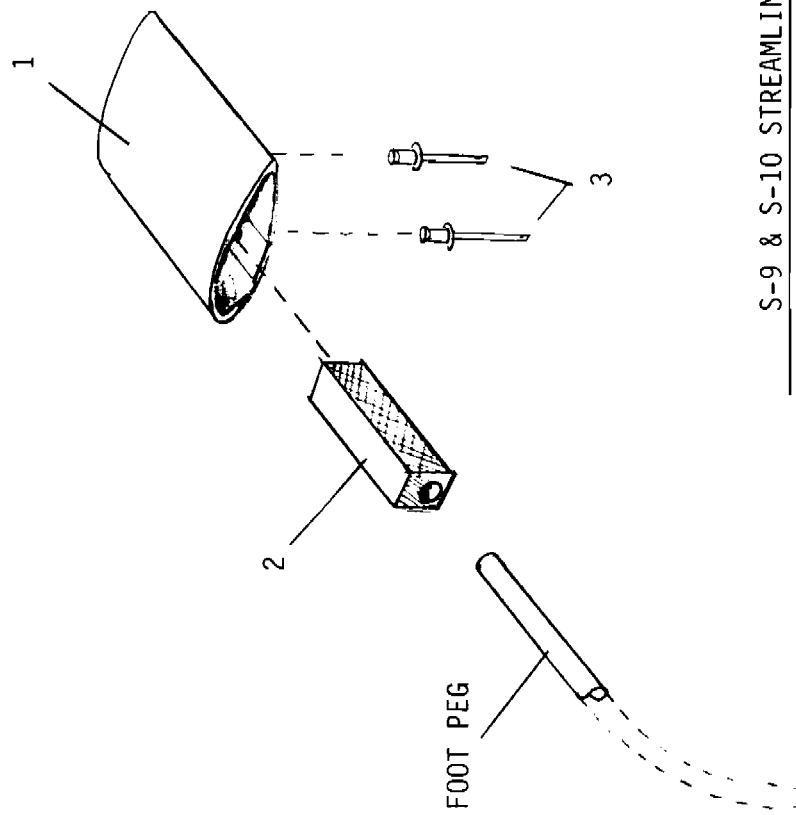
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Mikuni Carb Conversion Kit	KAPW0020	1
2.	Lap Belt Adjust Side	ST-LB-ADJ(10)	1
3.	Lap Clip, Long	ST-LB-CLIP-LONG	1
4.	Lap Pad	KAST0012	2
5.	Lap Pad Cover	KAST0013	2

RRMS S-10 SAKOTA OPTIONAL AILERON SPADE ASSEMBLY

MD3554



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Thin Washer	AN960-10L	8
2.	3/16" Shear Nut	AN364-1032A	8
3.	3/16" Bolt	AN3-5A	8
4.	Aileron Horn	W-A-HORN	4
5.	Spade Shim	W-SPADE-SHIM	2
6.	Spade Attach Angle	W-SPADE-ATL	2
7.	Spade Attach Angle	W-SPADE-ATR	2
8.	Spade	W-SPADE	2
9.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	16
10.	3/16" Plastic Washer	PW-3	4



S-9 & S-10 STREAMLINE FOOTSTEP

S-10 SAKOTA - STREAMLINE FOOTSTEP

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Streamline Footstep	SFK-FS	2
2.	Adapter Block	SFK-AB	2
3.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	4