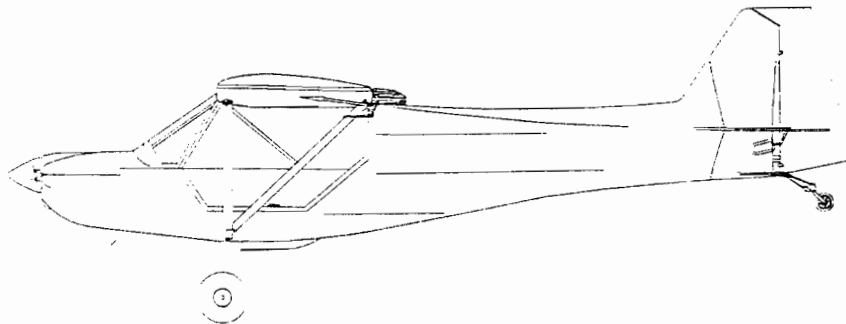


RANS S-7 COURIER

PARTS MANUAL

000	GENERAL
001	FUSELAGE
002	CONTROL SYSTEMS
003	ENGINE - 912/912S
004	INSTRUMENTS & ELECTRICAL - 912/912S
005	WINGS
006	EXTERNAL ASSEMBLIES
007	COVERING
008	INTERNAL ASSEMBLIES
009	OPTIONS



RANS S-7 COURIER

PARTS MANUAL

SECTION 001 - FUSELAGE

01 - 02 FUSELAGE STRINGER INSTALLATION

03 - 04 MAIN GEAR ASSEMBLY & INSTALLATION

05 - 06 TAILWHEEL ASSEMBLY & INSTALLATION

07 - 08 TAIL GROUP ASSEMBLY & INSTALLATION

09 - 10 TRIM TAB ASSEMBLY & INSTALLATION

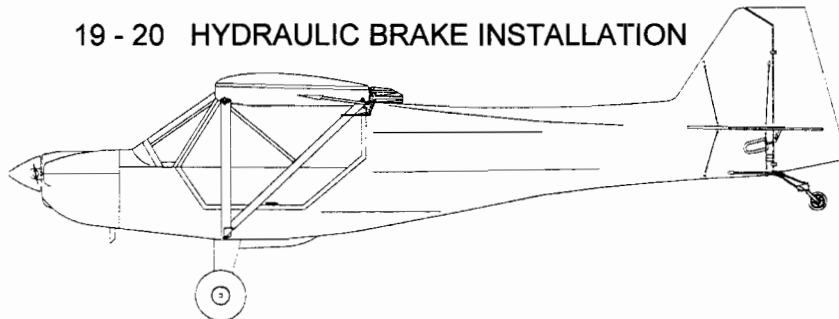
11 - 12 FLOORBOARD INSTALLATION

13 - 14 RUDDER PEDAL INSTALLATION

15 - 16 RUDDER SYSTEM ASSEMBLY & INSTALLATION

17 - 18 FIREWALL INSTALLATION

19 - 20 HYDRAULIC BRAKE INSTALLATION



RANS S-7 COURIER

PARTS MANUAL

SECTION 002 - CONTROL SYSTEMS

01 - 02 CONTROL STICK ASSEMBLY & INSTALLATION

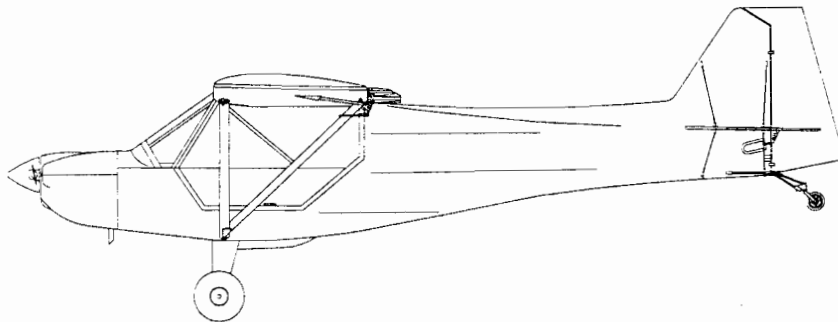
03 - 04 ELEVATOR CONTROL SYSTEM INSTALLATION

05 - 06 ELEVATOR PUSH PULL TUBE ASSEMBLY

07 - 08 AILERON CABLE SYSTEM

09 - 10 FLAP LEVER ASSEMBLY INSTALLATION

11 - 12 THROTTLE INSTALLATION



RANS S-7 COURIER

PARTS MANUAL

SECTION 003 - ENGINE - 912

01 - 02	912 ENGINE MOUNT ASSEMBLY & INSTALLATION
03 - 04	912 ENGINE
05 - 06	912 FUEL SYSTEM - PART 1

07 - 08 912 FUEL SYSTEM - PART 2

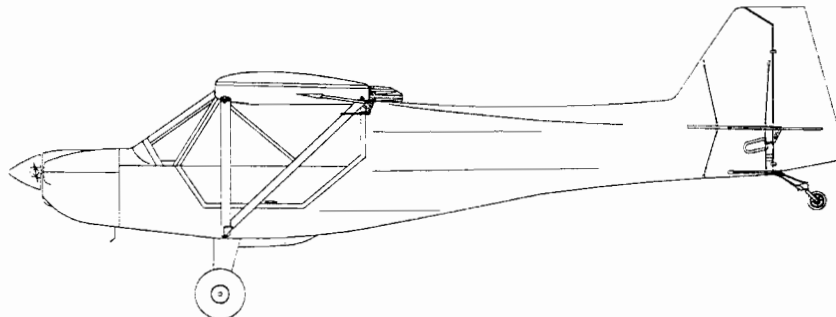
09 - 10 912 THROTTLE HOOKUP - CARBURETOR SIDE

11 - 12 912 CHOKE SYSTEM

13 - 14 912 OIL COOLER ASSEMBLY & INSTALLATION

15 - 16 912 COOLING SYSTEM ASSEMBLY & INSTALLATION

17 - 18 912 MUFFLER ASSEMBLY & INSTALLATION

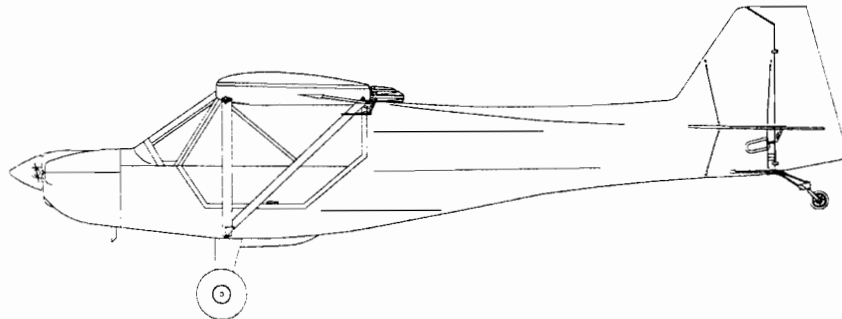


RANS S-7 COURIER

PARTS MANUAL

SECTION 004 - INSTRUMENTS & ELECTRICAL, 912/912S

01 - 02	912 BATTERY BOX ASSEMBLY & INSTALLATION
03 - 05	912 INSTRUMENTS & ELECTRICAL



RANS S-7 COURIER

PARTS MANUAL

SECTION 005 - WINGS



08 - 09 WING BELLCRANK SYSTEM

10 - 11 WING RIB ASSEMBLY & JIG

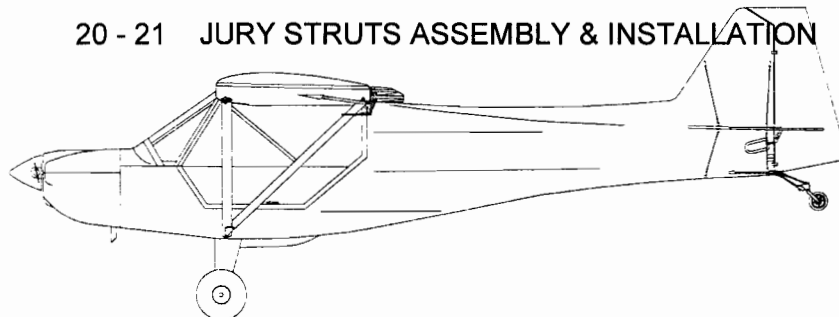
12 - 13 WING RIBS & SHEET METAL

14 - 15 FLAP FRAME ASSEMBLY

16 - 17 AILERON FRAME & SPADE ASSEMBLY

18 - 19 LIFT STRUTS ASSEMBLY & INSTALLATION

20 - 21 JURY STRUTS ASSEMBLY & INSTALLATION



RANS S-7 COURIER

PARTS MANUAL

SECTION 006 - EXTERNAL ASSEMBLIES

01 - 02 DECK & INSTRUMENT PANEL INSTALLATION

03 - 04 WINDSHIELD ASSEMBLY & INSTALLATION

05 - 06 DOOR ASSEMBLY, LEXAN & TRIM

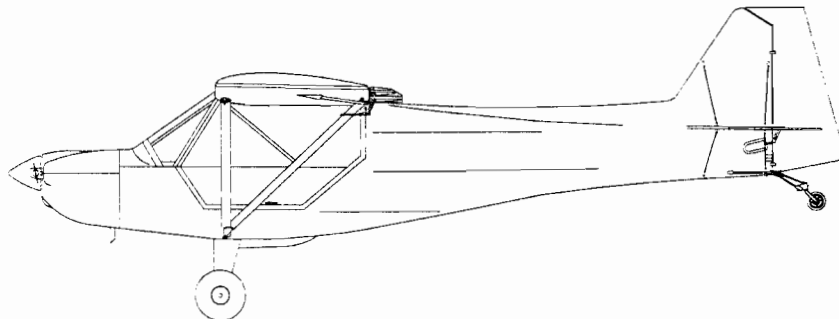
07 - 08 DOOR ASSEMBLY & INSTALLATION, LATCH MECHANISM

09 - 10 12" SPINNER ASSEMBLY

11 - 12 912/912S PROP ASSEMBLY

13 - 14 COWLING ASSEMBLY & INSTALLATION

15 - 16 OIL CHECK DOOR INSTALLATION

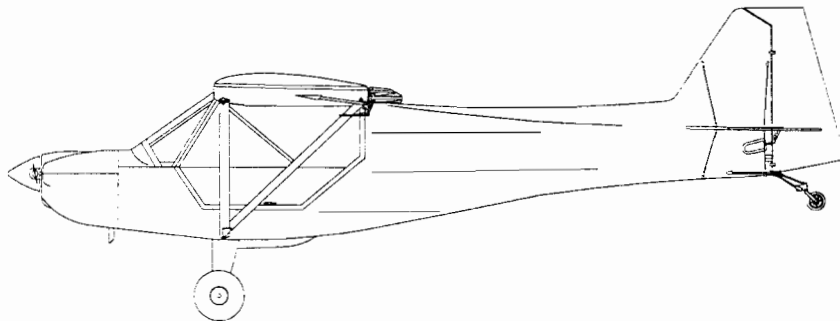
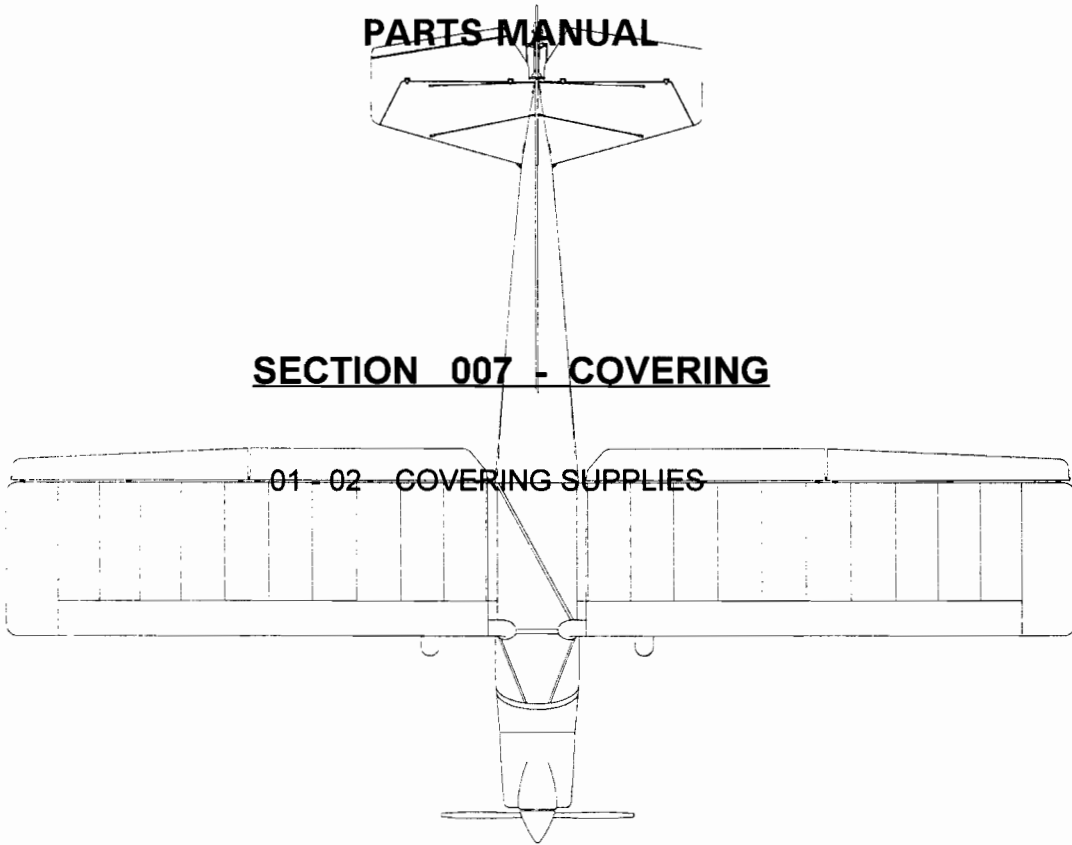


RANS S-7 COURIER

PARTS MANUAL

SECTION 007 - COVERING

01-02 COVERING SUPPLIES



RANS S-7 COURIER

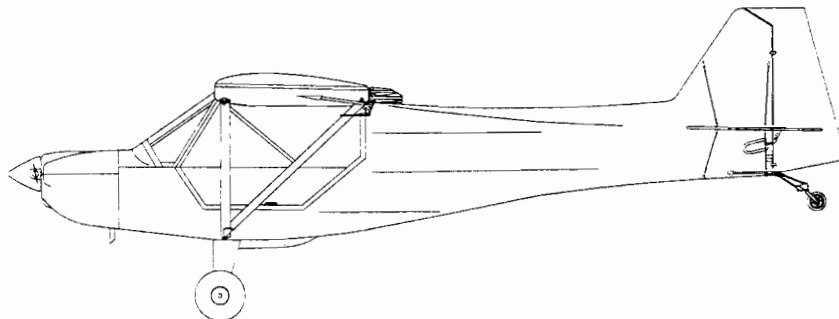
PARTS MANUAL

SECTION 008 - INTERNAL ASSEMBLIES

01 - 02 BAGGAGE COMPARTMENT ASSEMBLY & INSTALLATION

03 - 04 SEAT FRAMES & UPHOLSTERY

05 - 06 SEAT BELT ASSEMBLY & INSTALLATION



RANS S-7 COURIER

PARTS MANUAL

SECTION 009 - OPTIONS

01 - 02 OPTIONAL RIVETING METHOD (REPLACING RIB STITCHING)

03 - 04 OPTIONAL JURY STRUT FAIRINGS

05 - 06 OPTIONAL 912 WARP DRIVE PROP ASSEMBLY

07 - 08 OPTIONAL 912 MUFFLER HEATER ASSEMBLY

09 - 10 OPTIONAL WHELEN STROBE INSTALLATION

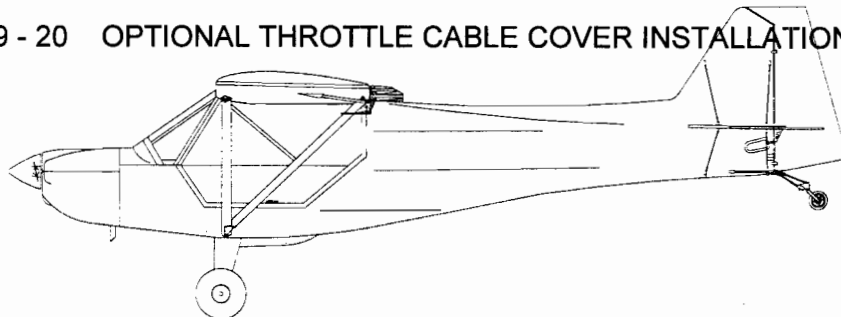
11 - 12 OPTIONAL BUBBLE LEXAN (DOOR ASSEMBLY)

13 - 14 OPTIONAL RUDDER CABLE GUARD

15 - 16 OPTIONAL AFT CONTROL STICK COVER

17 - 18 OPTIONAL STATION 3 CLOSE OUT INSTALLATION

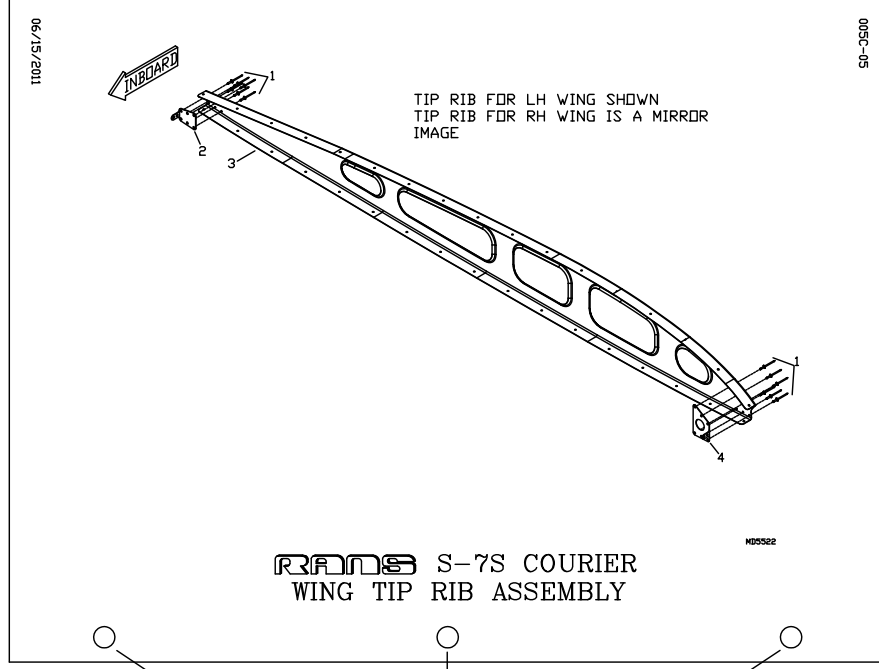
19 - 20 OPTIONAL THROTTLE CABLE COVER INSTALLATION



STEP 1:

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

PARTS DRAWING PAGE



3-HOLE PUNCH

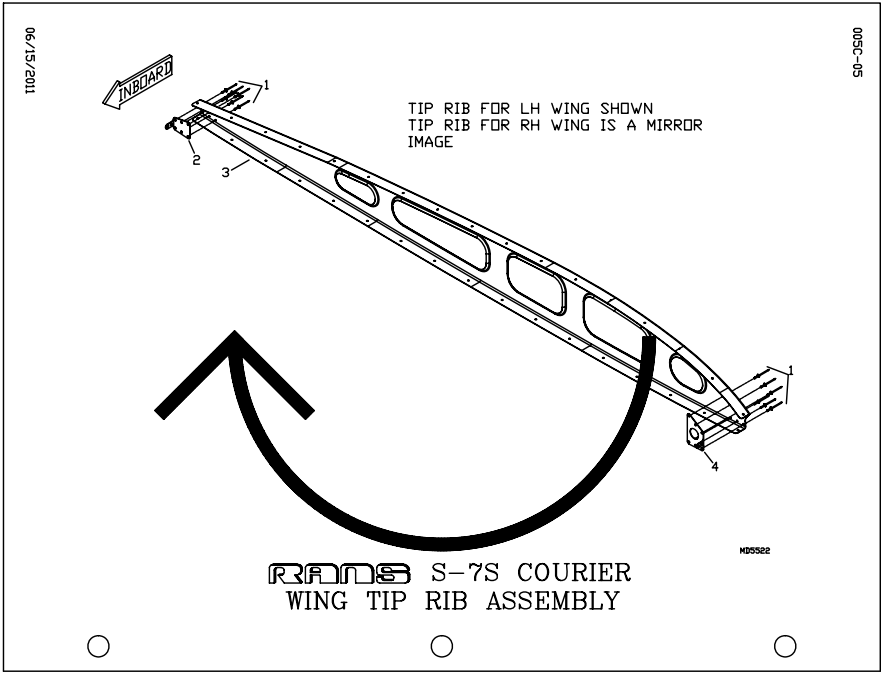
EXAMPLE ONLY.
MAY NOT REPRESENT ACTUAL PAGES
FROM YOUR MANUAL.

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

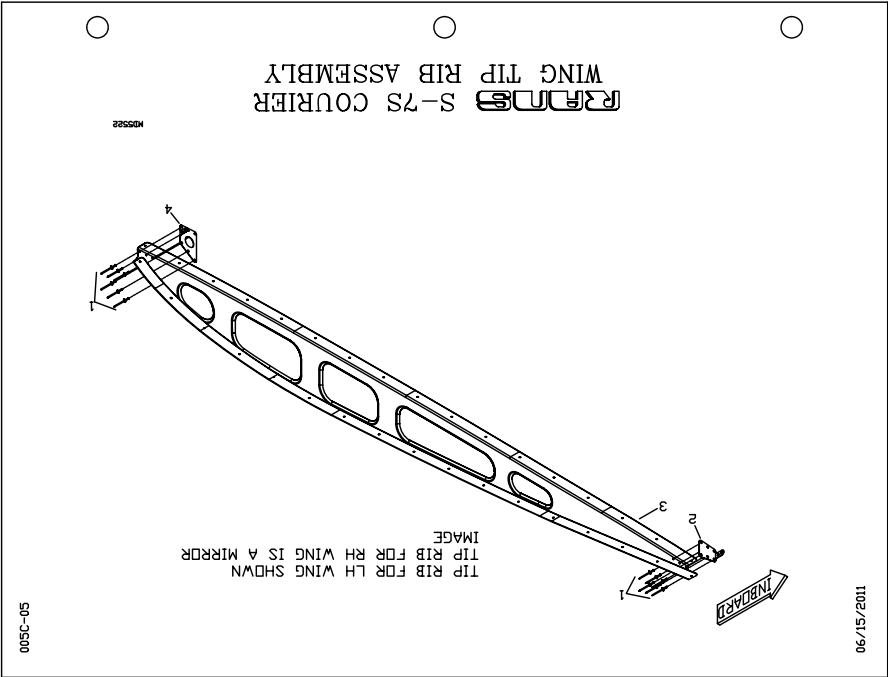
EXAMPLE ONLY.
MAY NOT REPRESENT ACTUAL PAGES
FROM YOUR MANUAL.

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	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

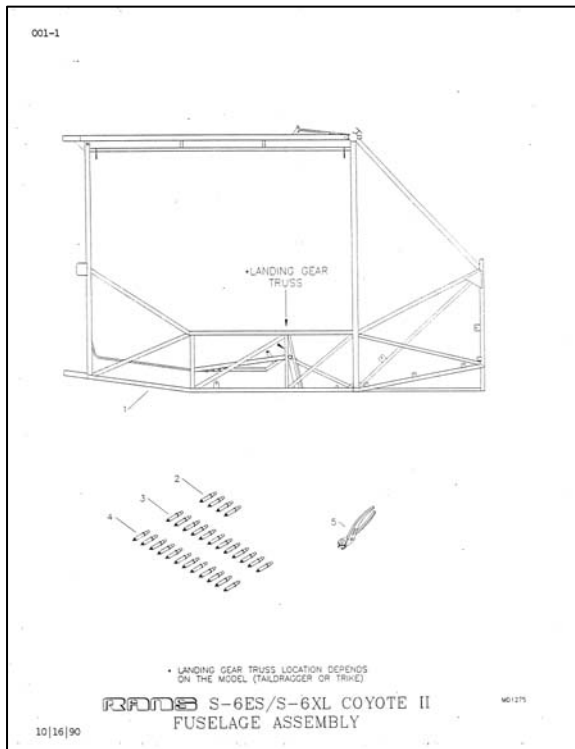
6/15/2011

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

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

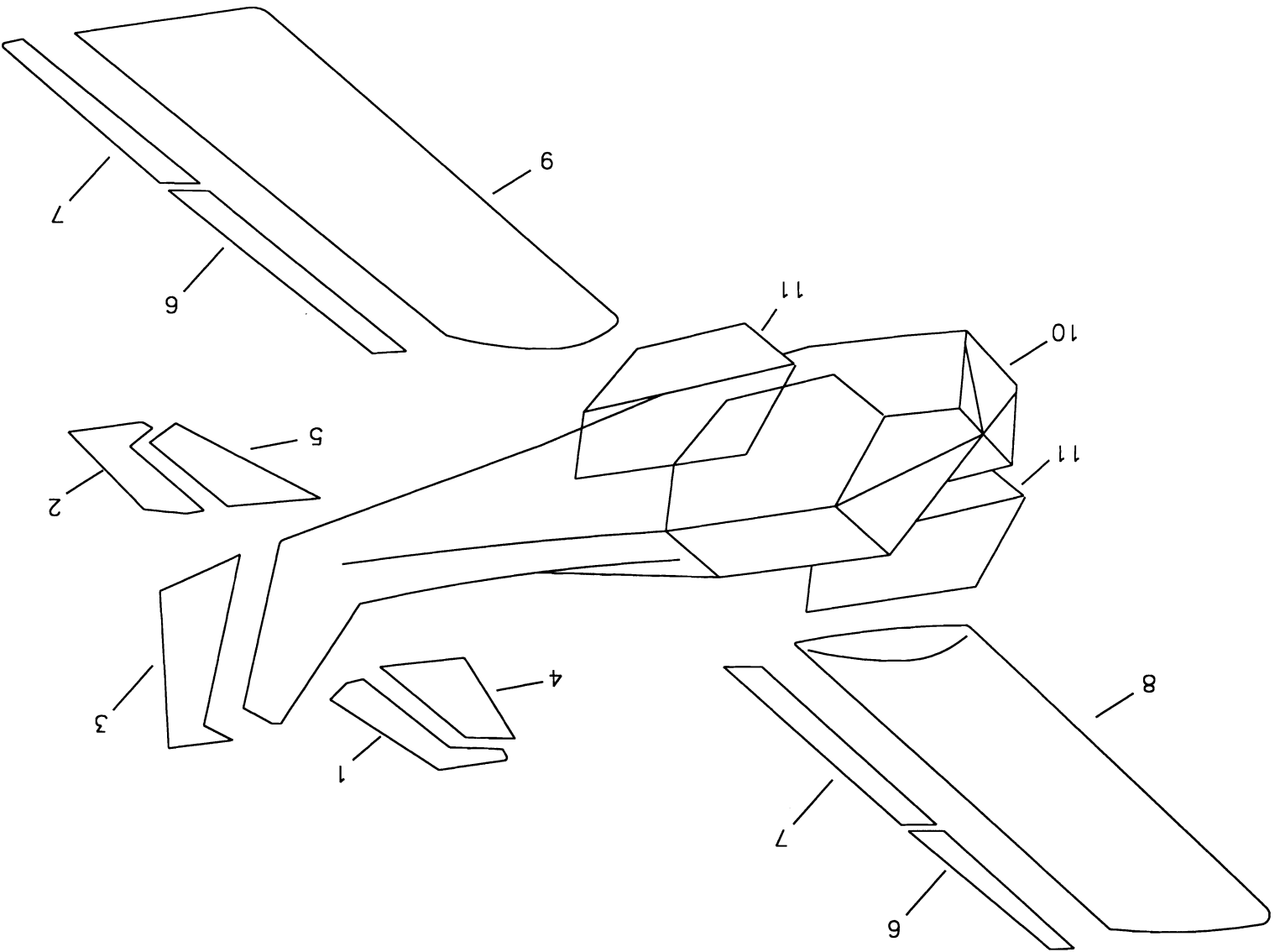
S-6ES COYOTE II - FUSELAGE

#	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	1
5.	Cleco Pliers	CLECO PLIERS	1

2/24/98

Parts List page

S-7 COURIER QUICK BUILD OPTIONS



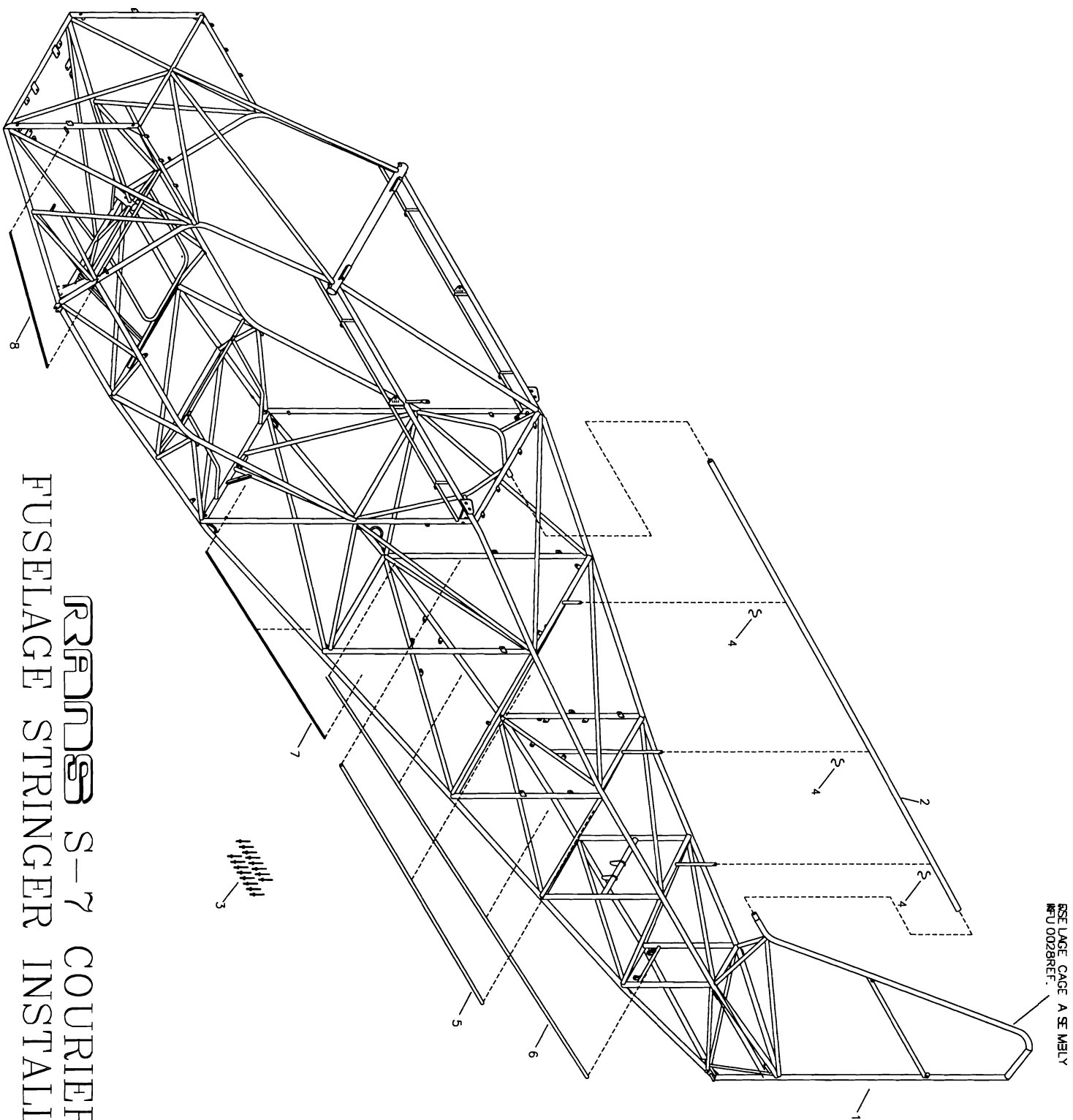
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Elevator Assembly RH - Quick Build	KAEL0013	1
2.	Elevator Assembly LH - Quick Build	KAEL0014	1
3.	Rudder Assembly - Quick Build	KARD0013	1
4.	Horiz. Stab. RH - Quick Build	KAHS0026	1
5.	Horiz. Stab. LH - Quick Build	KAHS0029	1
6.	Flap Assembly RHILH - Quick Build	KAFL0008	2
7.	Aileron Assembly RHILH - Quick Build	KAAL0004	2
8.	Wing Assembly RH - Quick Build	KAWI0017	1
9.	Wing Assembly LH - Quick Build	KAWI0018	1
10.	Fuselage Assembly TD - Quick Build	KAFU0035	1
11.	Door Assembly, L/R - Quick Build	KADR0007	2

S-7 COURIER - GENERAL

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Assembly Manual	ASSEMBLY MANUAL (7)	1
2.	Flight Log	FLIGHT LOG	1
3.	Maintenance Log	MAINTENANCE LOG	1
4.	RANS Decals - Black **	RANS DECAL-B	0
4.	RANS Decals - White **	RANS DECAL-W	0
5.	S-7 Decal - Black **	S-7 DECAL-B	0
5.	S-7 Decal - White **	S-7 DECAL-W	0
6.	Experimental Decal Sheets	EXPER-DECAL	1
7.	Range Decals	RANGE DECAL	1
8.	Raw Stock Kit	KAAC0034	1
8.	1/2" x .035 Aluminum Tube *	KAAC0034-1	16 ft
8.	1/8" Stainless Steel Rod *	KAACO034-2	3 ft
8.	3/8" x .090 Aluminum Tube *	KAACO034-4	6 in
8.	1/2" x .058 Aluminum Tube *	KAACO034-5	6 in
8.	1/2" x .028 Aluminum Tube *	KAAC0034-6	48 ft
8.	1/4" x .028 Aluminum Tube *	KAAC0034-7	18 ft
8.	1/4" x .028 Stainless Steel Tube *	KAAC0034-8	6 in
8.	1/4" x 3/4" Aluminum Bar *	KAAC0034-9	12 in
8.	1/2" x .040 Aluminum Strip *	KAAC0034-10	16 ft
8.	2" x .040 Aluminum Strip *	KAAC0034-11	17 in
9.	Loctite Blue	LOC-TITE	1
10.	Safety Wire	SAFETY WIRE	15 ft
11.	#40 Silver Clecos	#40CLECOS	6
12.	#30 Copper Clecos	#30CLECOS	15
13.	#11 Gold Clecos	#11CLECOS	6
14.	Cleco Pliers	CLECO PLIERS	1
15.	Warning Label	KPPL0001	1

*Supplied in Raw Stock Kit.

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



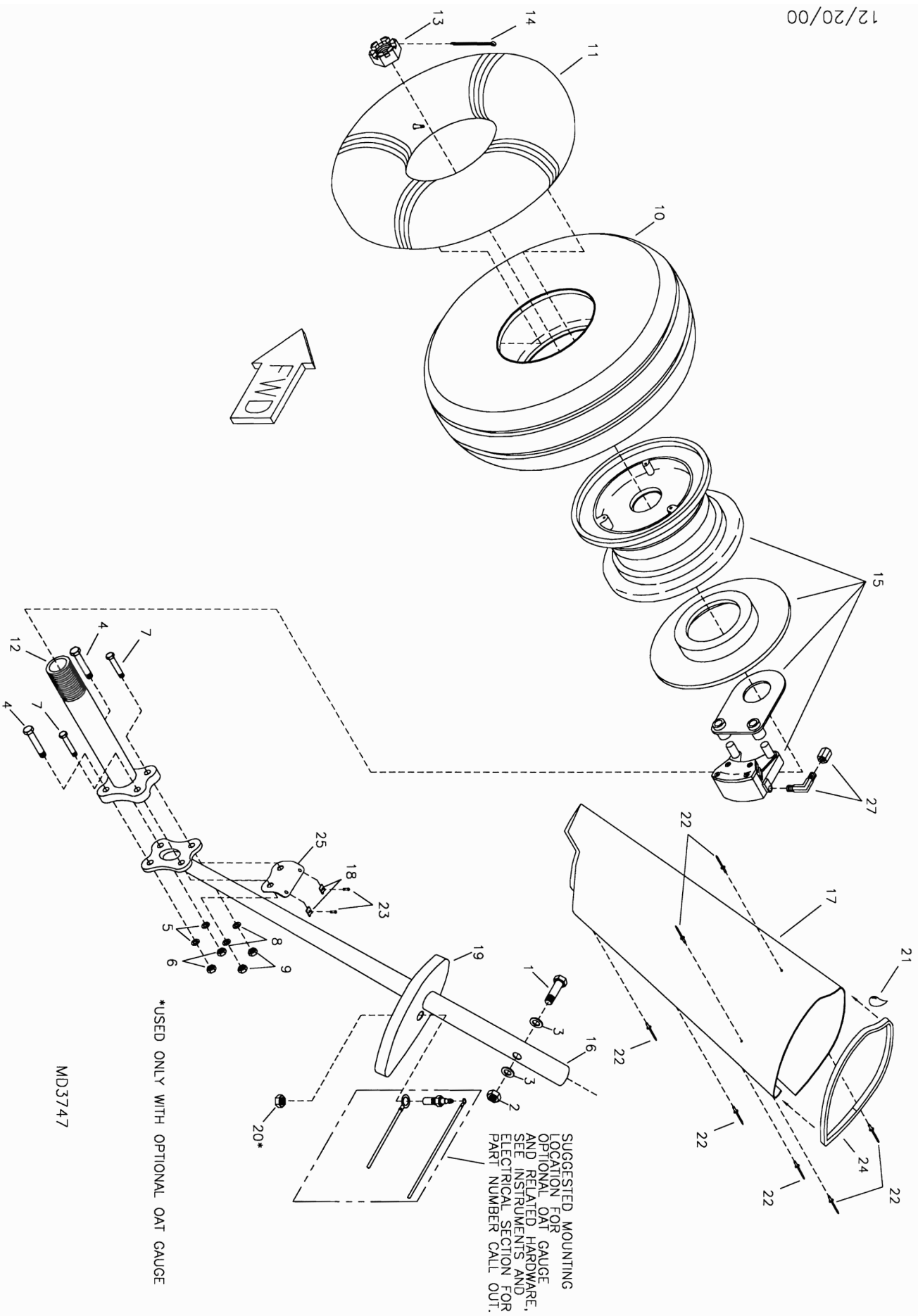
REPAIR S-7 COURIER FUSELAGE STRINGER INSTALLATION

MD3746

S-7 COURIER - FUSELAGE STRINGER INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Fuselage	KAFU0028	1
2.	Vertical Stabilizer Stringer	KPVS0048	1
3.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	16
4.	Safety Wire	SAFETY WIRE	0
5.	Upper AFT Side Former, 1/2" x .028 x X *	KAAC0034-6	0
6.	Center AFT Side Former, 1/2" x .028 x X *	KAAC0034-6	0
7.	Lower AFT Side Former, 1/4" x .028 x X *	KAAC0034-7	0
8.	Center FWD Side Former, 1/4" x .028 x X *	KAAC0034-7	0

*Builder must fabricate from raw stock.



RRMS S-7 COURIER MAIN GEAR ASSEMBLY AND INSTALLATION

S-7 COURIER - MAIN GEAR ASSEMBLY & INSTALLATION

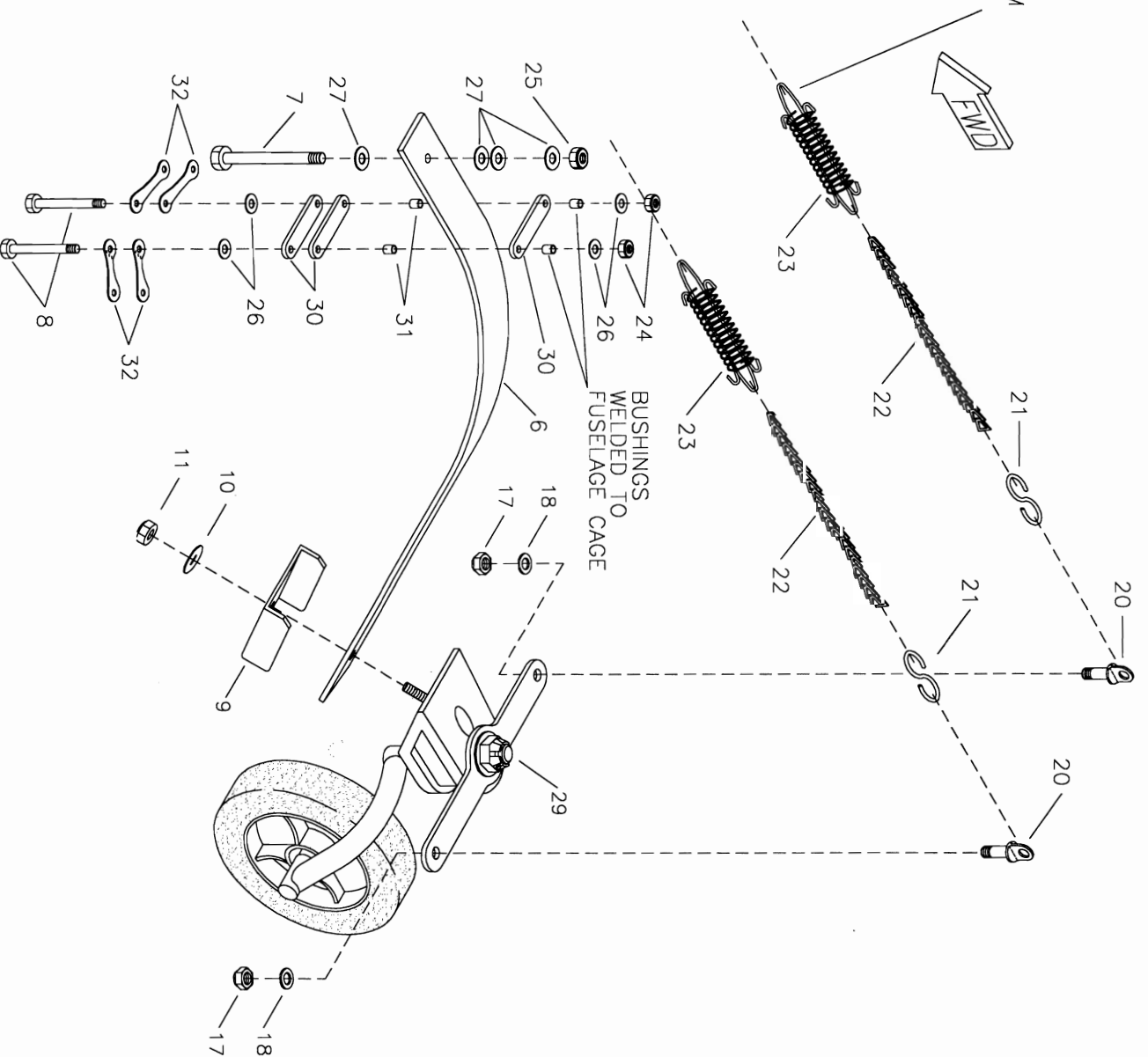
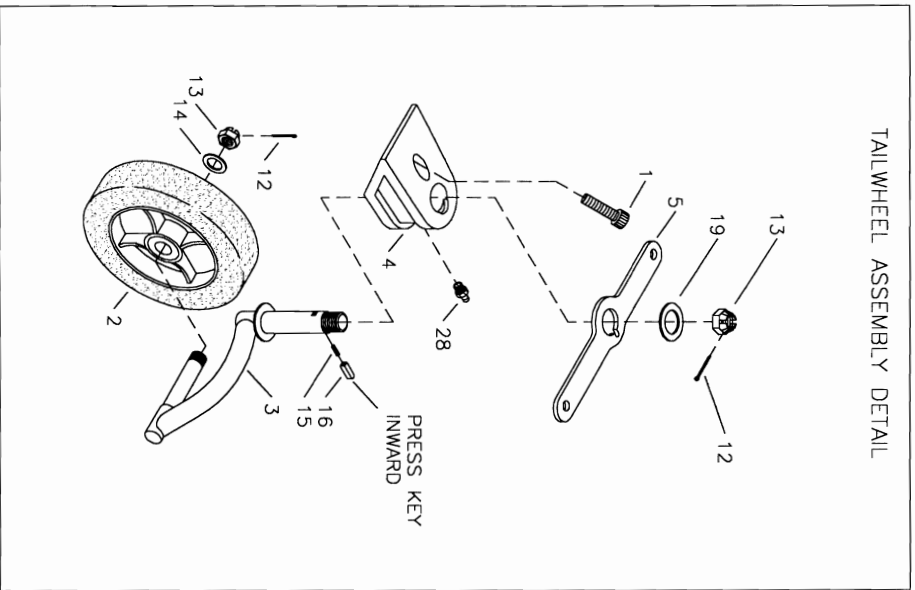
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Bolt	AN5-17A	2
2.	5/16" Shear Nut	AN364-524A	2
3.	5/16" Thick Washer	AN960-516	4
4.	3/8" Bolt	AN6-17A	4
5.	3/8" Thick Washer	AN960-616	4
6.	3/8" Tensile Loc Nut	AN365-624A	4
7.	5/16" Bolt	AN5-16A	4
8.	5/16" Thin Washer	AN960-516L	4
9.	5/16" Tensile Nut	AN365-524A	4
10.	Tire	KSMG0008	2
11.	Tire Tube	KSMG0016	2
12.	Axle - Main Gear	KPMG0124	2
13.	Castle Nut 1-1/2 x 6	MS21025-24	2
14.	Cotter Pin	MS24665-360	2
15.	6" Wheel & Brake Kit	KSMG0017	2
16.	Gear Leg Assembly	KAMG0008	2
17.	Gear Leg Fairing, LH	KPMG0125-L	1
17.	Gear Leg Fairing, RH	KPMG0125-R	1
18.	Tinnerman	A1789-8Z-1	4
19.	Fairing Rib - Main Gear	KPMG0126	2
20.	10mm Nut *	KSHW0065	1
21.	Adhesive **	KSAC0041	0
22.	3/32" Aluminum Pop Rivet	40APR1/8	14
23.	#8 Pan Head Screw	8X1/2 PHS	4
24.	Rubber Edging, Trim Loc	X1011	35 in
25.	Main Gear Fairing Lower Bracket - RH	KPMG0127-R	1
25.	Main Gear Fairing Lower Bracket - LH	KPMG0127-L	1
26.	Tinnerman	A1789-8Z-1	4
27.	90 Fitting	KSBS0001	2

*Provided with Optional Outside Air Temperature Sender.

**Builder Provides.

ATTACH SPRINGS TO BOTTOM
OF RUDDER CONTROL HORN
(SEE RUDDER).

TAILWHEEL ASSEMBLY DETAIL



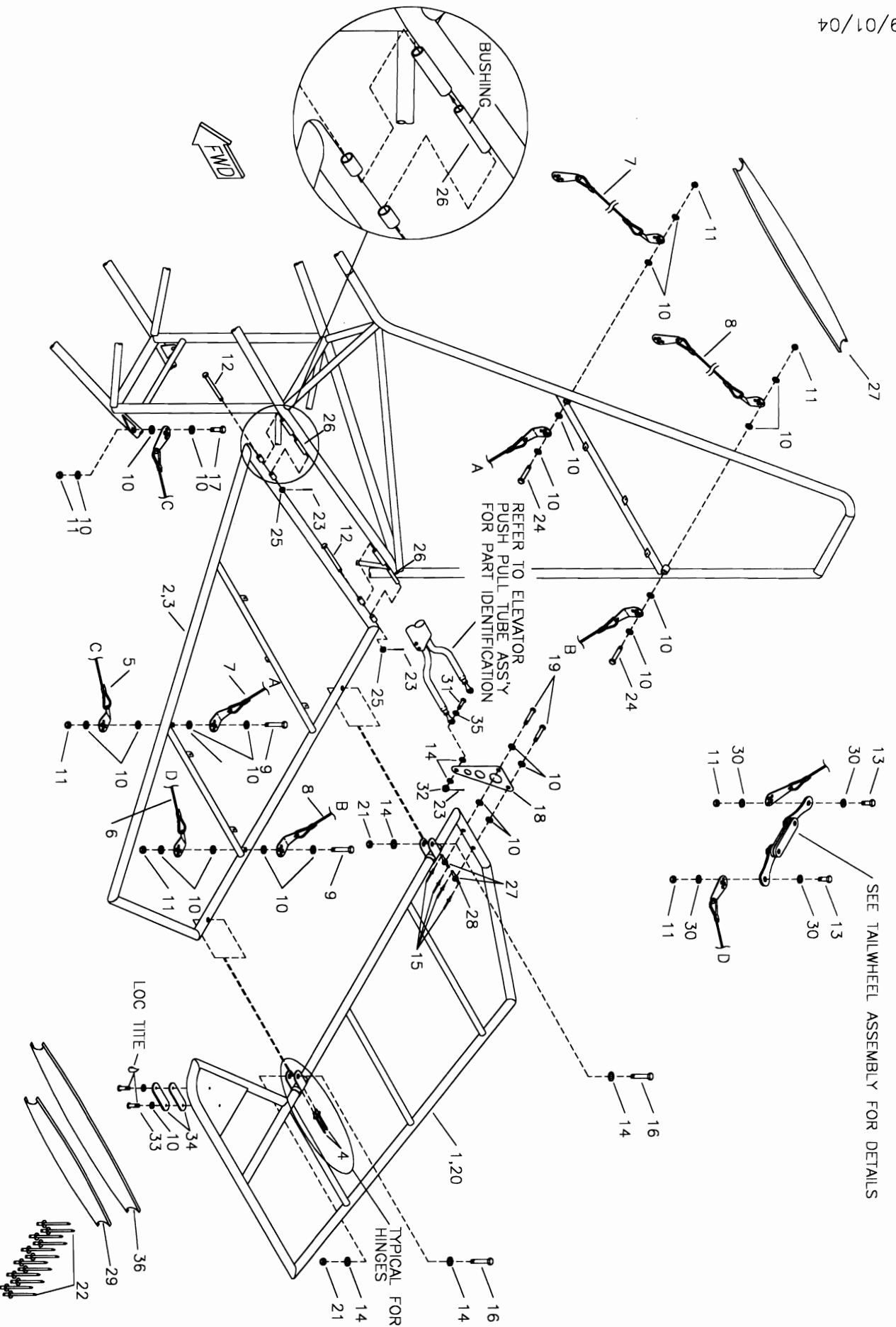
RAMS S-7 COURIER TAILWHEEL ASSEMBLY & INSTALLATION

S-7 COURIER - TAILWHEEL ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Socket Head Cap Screw *	KSHW0058	1
2.	Tailwheel *	KSTG0002	1
3.	Tailwheel - Fork *	KPTG0005	1
4.	Tailwheel - Swivel Block *	KPTG0003	1
5.	Tailwheel - Steer Horn *	KPTG0004	1
6.	Tail Spring	KPTG0024	1
7.	5/16" Bolt	AN5-17A	1
8.	3/16" Bolt	AN3-21A	2
9.	Tailwheel - Spring Mount Channel *	KPTG0007	1
10.	3/8" Thick Washer *	AN960-616	1
11.	3/8" Tensile Locnut *	AN365-624A	1
12.	Cotter Pin *	MS24665-287	2
13.	1/2" Castle Nut *	AN320-8	2
14.	1/2" Thick Washer *	AN960-816	1
15.	Tailwheel - Tension Spring *	KSTG0003	1
16.	Tailwheel - Tension Key *	KPTG0006	1
17.	1/4" Shear Nut	AN364-428A	2
18.	1/4" Thick Washer	AN960-416	2
19.	Washer *	KSHW0059	1
20.	1/4" Eyebolt	AN43B-5A	2
21.	"S" Hooks	TW-SHOOK	2
22.	Chain	TW-C	2
23.	Return Spring	TW-S-SPR	2
24.	3/16" Tensile Nut	AN365-1032A	2
25.	5/16" Tensile Nut	AN365-524A	1
26.	3/16" Thin Washer	AN960-10L	4
27.	5/16" Thick Washer	AN960-516	3
28.	Grease Fitting *	MS5003-1	1
29.	Tailwheel Assembly	KATG0002	1
30.	Pillow Block Strap	PBS	3
31.	Aluminum Bushing, 1/4" x .028 x 5/16 **	KAAC0034-7	0
32.	Hummertang	T12-HT6	4

*Supplied in tailwheel assembly.

**Builder must fabricate from raw stock.

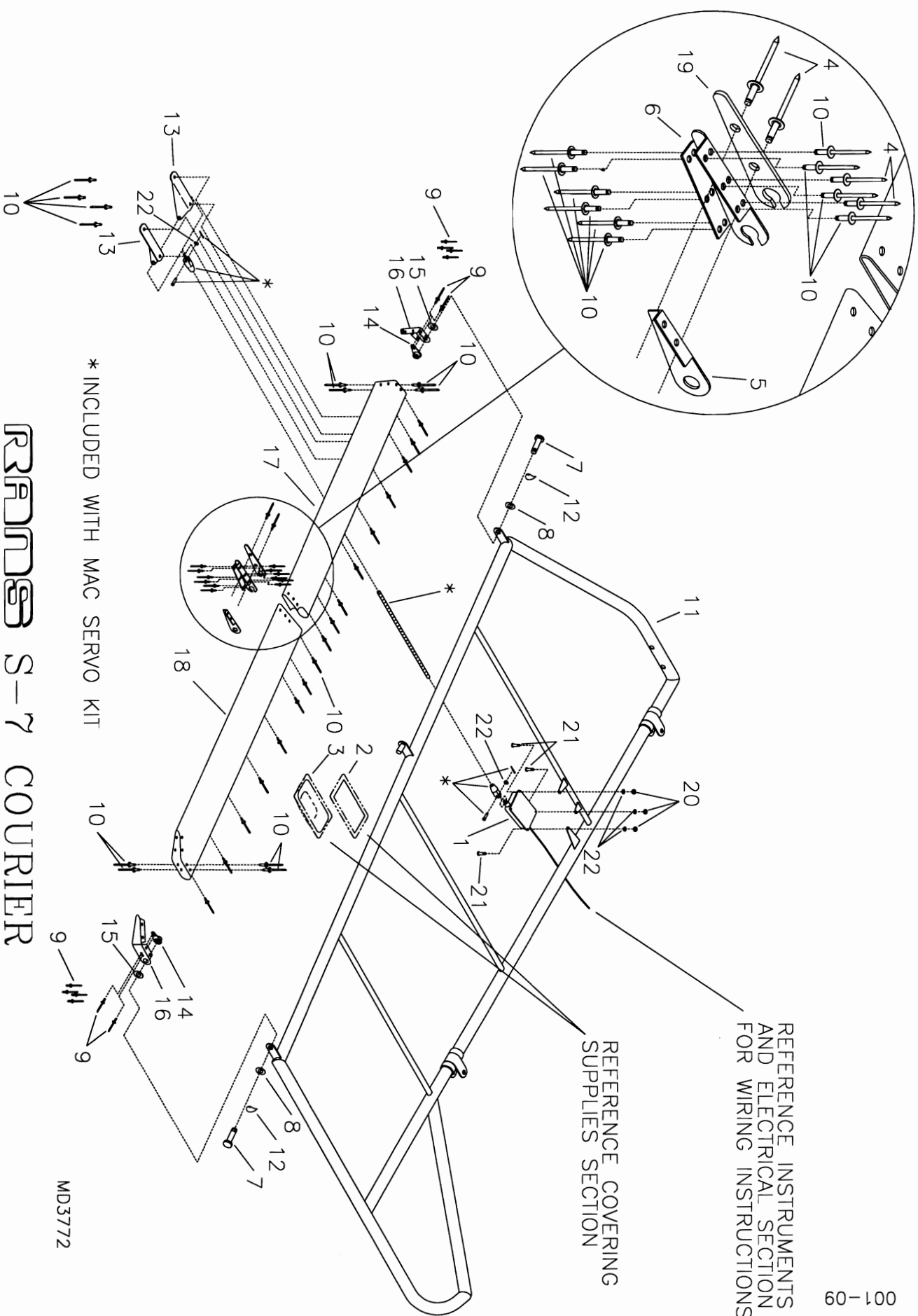


REFINISH S-7 COURIER TAIL GROUP ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Elevator, LH	KAEL0010	1
2.	Horizontal Stabilizer Assembly, LH	KAHS0020-LH	1
3.	Horizontal Stabilizer Assembly, RH	KAHS0020-RH	1
4.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	8
5.	Lower Forward Cable	KAHS0036	2
6.	Lower AFT Cable	KAHS0037	2
7.	Upper Forward Cable	KAHS0034	2
8.	Upper AFT Cable	KAHS0035	2
9.	3/16" Bolt	AN3-15A	4
10.	3/16" Thin Washer	AN960-10L	42
11.	3/16" Tensile Nut	AN365-1032A	10
12.	3/16" Bolt	AN3-33	4
13.	3/16" Bolt	AN3-5A	2
14.	1/4" Thin Washer	AN960-416L	12
15.	3/32" Aluminum Pop Rivet	40APR1/8	8
16.	1/4" Bolt	AN4-14A	4
17.	3/16" Bolt	AN3-4A	2
18.	Elevator Horn	KPEL0029	2
19.	3/16" Bolt	AN3-11A	4
20.	Elevator, RH	KAEL0021	1
21.	1/4" Shear Nut	AN364-428A	4
22.	1/8" Aluminum Rivet - Avex	1691-0410	13
23.	Small Cotter Pin	MS24665-134	6
24.	3/16" Bolt	AN3-14A	2
25.	3/16" Castle Nut	AN310-3	4
26.	Aluminum Bushing, 3/8" x .090	KPAC0060	4
27.	Compression Rib - Vertical Stabilizer	KPVS0051	1
28.	3/16" Nut Plate	K-1000-3	4
29.	Outer Compression Rib - Horizontal Stabilizer	KPHS0037	2
30.	3/16" Thick Washer	AN960-10	4
31.	1/4" Bolt	AN4-10	2
32.	1/4" Castle Nut	AN310-4	2
33.	3/16" Truss Head Screw	AN526-C1032R12	4
34.	1/4" Lead Weight *	-----	0
35.	1/4" x 5/8" Steel Washer	KSHW0075	2
36.	Inner Compression Rib - Horizontal Stabilizer	KPHS0038	2

*Builder Supplied.

9/1/2004



RENDS S-7 COURIER TRIM TAB ASSEMBLY AND INSTALLATION

MD3772

S-7 COURIER - TRIM TAB ASSEMBLY & INSTALLATION

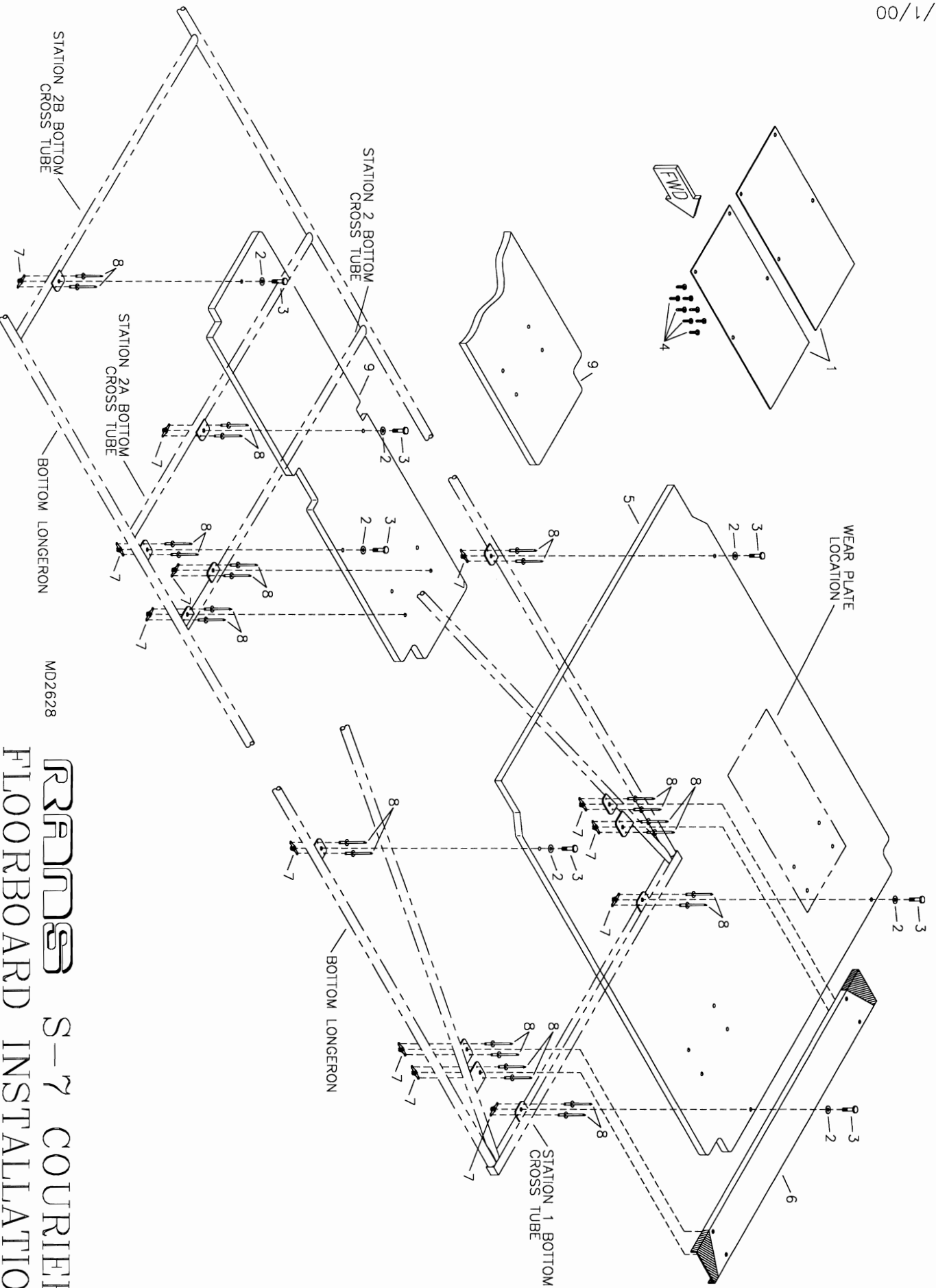
#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Mac Servo Kit ****	KSTR0001	1
2 .	Trim Exit Cover *	KPCV0026	0
3 .	Trim Exit Ring *	KPCV0027	0
4 .	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	4
5 .	Hinge Lock	KPTR0018	1
6 .	Trim Tab Center Rib	KPTR0011	1
7 .	3/16" Bolt	AN3-5A	2
8 .	3/16" Thin Washer	AN960-10L	2
9 .	3/32" Aluminum Pop Rivet	40APR1/8	12
10 .	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-41	39
11 .	Elevator - RH *	KAEL0021	0
12 .	Loctite Blue	LOC-TITE	0
13 .	Trim Tab Horn - LH	KPTR0024-L	1
13 .	Trim Tab Horn - RH	KPTR0024-R	1
14 .	3/16" Single Ear Nut Plate	MS21051-L3	2
15 .	3/16" Thick Washer	AN960-10	2
16 .	Trim Tab End Rib	KPTR0012	2
17 .	Trim Tab, Inboard	KPTR0013	1
18 .	Trim Tab, Outboard	KPTR0014	1
19 .	Trim Tab Center Rib Doubler	KPTR0015	1
20 .	Nut	MS21083N04	3
21 .	Machine Screw	MS35206-218	3
22 .	1/8" Small Brass Washer	AN960-B4	5

*Referenced from Tail Group Assembly & Installation.

**Builder must fabricate from raw stock.

***Reference Covering Supplies.

****Install per Manufacturer's Instructions.



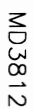
MD2628

RRR S-7 COURIER FLOORBOARD INSTALLATION

S-7 COURIER - FLOORBOARD INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Floorboard Wear Plates	KPFU0019	2
2 .	3/16" Large Washer	AN970-3	10
3 .	3/16" Bolt	AN3-6A	10
4 .	#4 Small Pan Head Screw	4X1/4 PHS	8
5 .	FWD Cockpit Floorboard	FB-FB-A	1
6 .	Floorboard Support Channel *	KPFU0018	1
7 .	3/16" Nut Plate	K-1000-3	18
8 .	3/32" Aluminum Pop Rivet	40APR1/8	36
9 .	Floorboard AFT - RH	KPFU0188-R	1
9 .	Floorboard AFT - LH	KPFU0188-L	1

*Builder must modify.



RAMS S-7 COURIER RUDDER PEDAL INSTALLATION

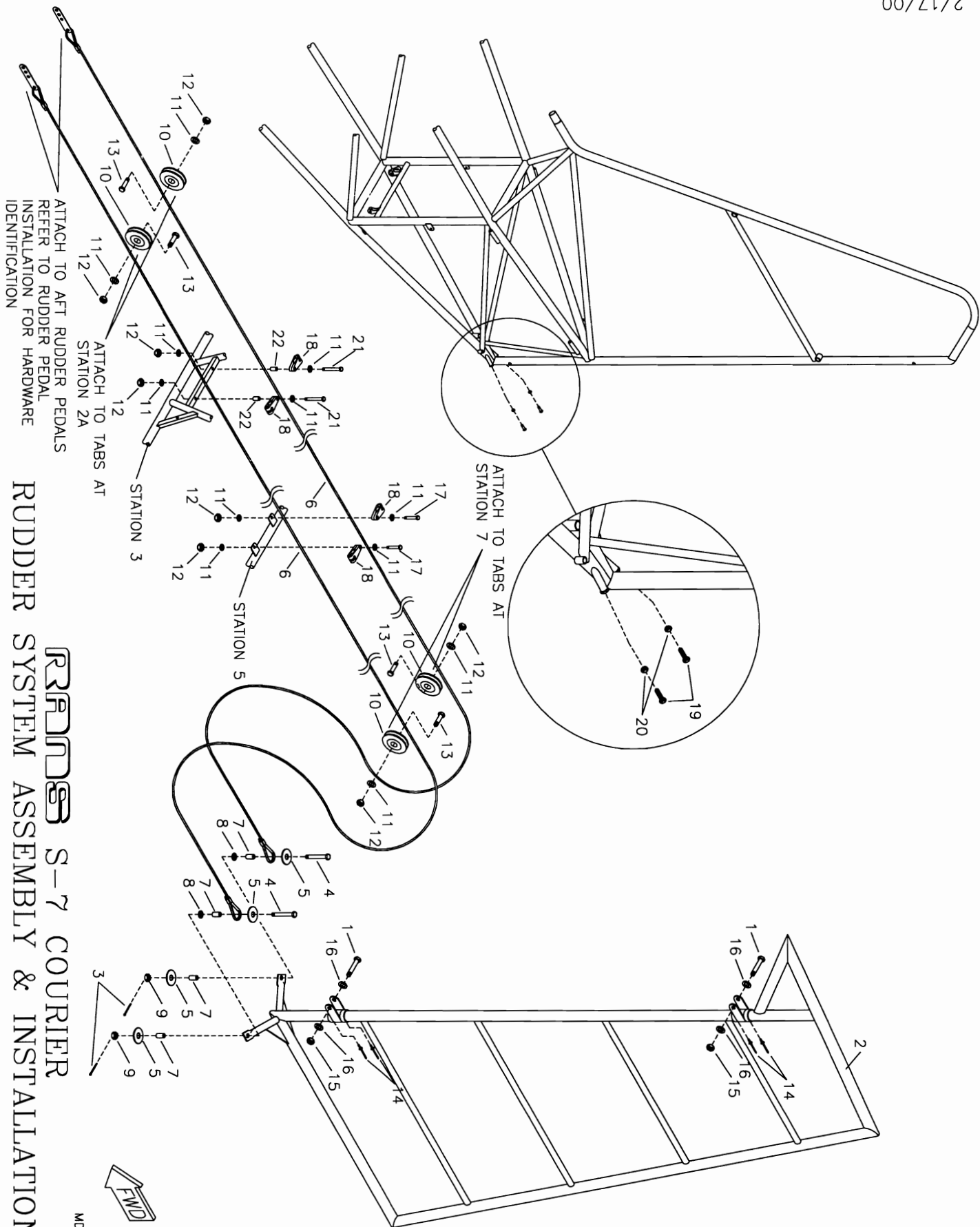
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-7A	16
2.	FWD Rudder Pedal, LH	KPCS0154-L	1
2.	FWD Rudder Pedal, RH	KPCS0154-R	1
3.	AFT Rudder Pedal, LH	KPCS0153-L	1
3.	AFT Rudder Pedal, RH	KPCS0153-R	1
4.	3/16" Thin Washer	AN960-10L	38
5.	3/16" Shear Nut	AN364-1032A	12
6.	3/16" Large Washer	AN970-3	4
7.	Aluminum Bushing, 1/4" x .028 x 1/4" *	KAAC0034-7	0
8.	Rudder Return Spring	KPCS0178	2
9.	Rudder Pedal Push Pull Tube	KPCS0093	2
10.	Brake Push Pull Tube	KPBS0005	2
11.	3/16" Castle Nut	AN310-3	2
12.	3/16" Bolt	AN3-11A	4
13.	3/16" Bolt	AN42B-11	2
14.	3/16" Bolt	AN3-3A	4
15.	3/16" Thick Washer	AN960-10	22
16.	3/16" Nut Plate	K-1000-3	4
17.	3/32" Aluminum Pop Rivet	40APR1/8	8
18.	Foot Bar, Aluminum Bar, 1/4" x 3/4" x 5 1/2" *	KAAC0034-9	0
19.	3/16" Countersunk Screw	AN509-1032R14	4
20.	Loctite Blue	LOC-TITE	0
21.	Small Cotter Pin	MS24665-134	2

*Builder must fabricate from raw stock.

S-7 COURIER - RUDDER PEDAL INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	3/16" Bolt	AN3-7A	16
2 .	FWD Rudder Pedal, LH	KPCS0154-L	1
2 .	FWD Rudder Pedal, RH	KPCS0154-R	1
3 .	AFT Rudder Pedal, LH	KPCS0153-L	1
3 .	AFT Rudder Pedal, RH	KPCS0153-R	1
4 .	3/16" Thin Washer	AN960-10L	38
5 .	3/16" Shear Nut	AN364-1032A	12
6 .	3/16" Large Washer	AN970-3	4
7 .	Aluminum Bushing, 1/4" x .028 x 1/4" *	KAAC0034-7	0
8 .	Rudder Return Spring	KPCS0178	2
9 .	Rudder Pedal Push Pull Tube	KPCS0093	2
10 .	Brake Push Pull Tube	KPBS0005	2
11 .	3/16" Castle Nut	AN310-3	2
12 .	3/16" Bolt	AN3-11A	4
13 .	3/16" Bolt	AN42B-11	2
14 .	3/16" Bolt	AN3-3A	4
15 .	3/16" Thick Washer	AN960-10	6
16 .	3/16" Nut Plate	K-1000-3	4
17 .	3/32" Aluminum Pop Rivet	40APR1/8	8
18 .	Foot Bar, Aluminum Bar, 1/4" x 3/4" x 5 1/2" *	KAAC0034-9	0
19 .	3/16" Countersunk Screw	MS24694S50	4
20 .	Loctite Blue	LOC-TITE	0
21 .	Small Cotter Pin	MS24665-134	2

*Builder must fabricate from raw stock.



RUDDER SYSTEM ASSEMBLY & INSTALLATION

MD2381

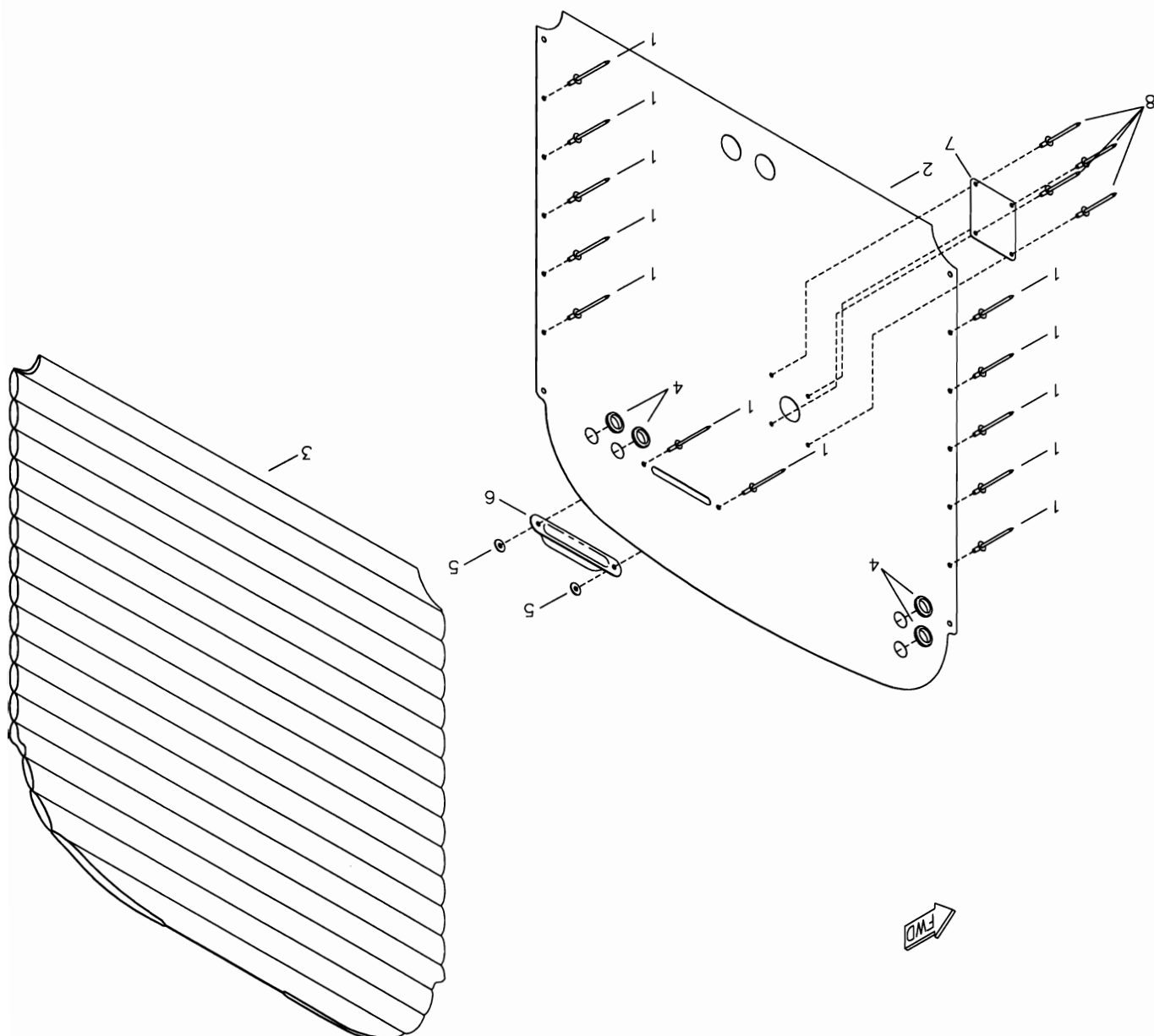
S-7 COURIER - RUDDER SYSTEM ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-14A	2
2.	Rudder Frame	KARD0007	1
3.	Small Cotter Pin	MS24665-134	2
4.	3/16" Bolt	AN3-10	2
5.	3/16" Large Washer	AN970-3	4
6.	Rudder Cable	KACS0026	2
7.	Aluminum Bushing, 1/4" x .028 x 1/4" *	KAAC0034-7	0
8.	1/4" Plastic Washer	PW-4	2
9.	3/16" Castle Nut	AN310-3	2
10.	Small Pulley	AN210-1A	4
11.	3/16" Thin Washer	AN960-10L	12
12.	3/16" Shear Nut	AN364-1032A	8
13.	3/16" Bolt	AN3-6A	4
14.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	4
15.	1/4" Shear Nut	AN364-428A	2
16.	1/4" Thin Washer	AN960-416L	4
17.	3/16" Bolt	AN3-7A	2
18.	Cable Guide	HA-144	4
19.	1/4" Plain Bolt	KSHW0016	2
20.	1/4" Plain Nut	AN345-416	2
21.	3/16" Bolt	AN3-17A	2
22.	Aluminum Bushing, 3/8" x .095 x 1/2" *	KAAC0034-4	0

*Builder must fabricate from raw stock.

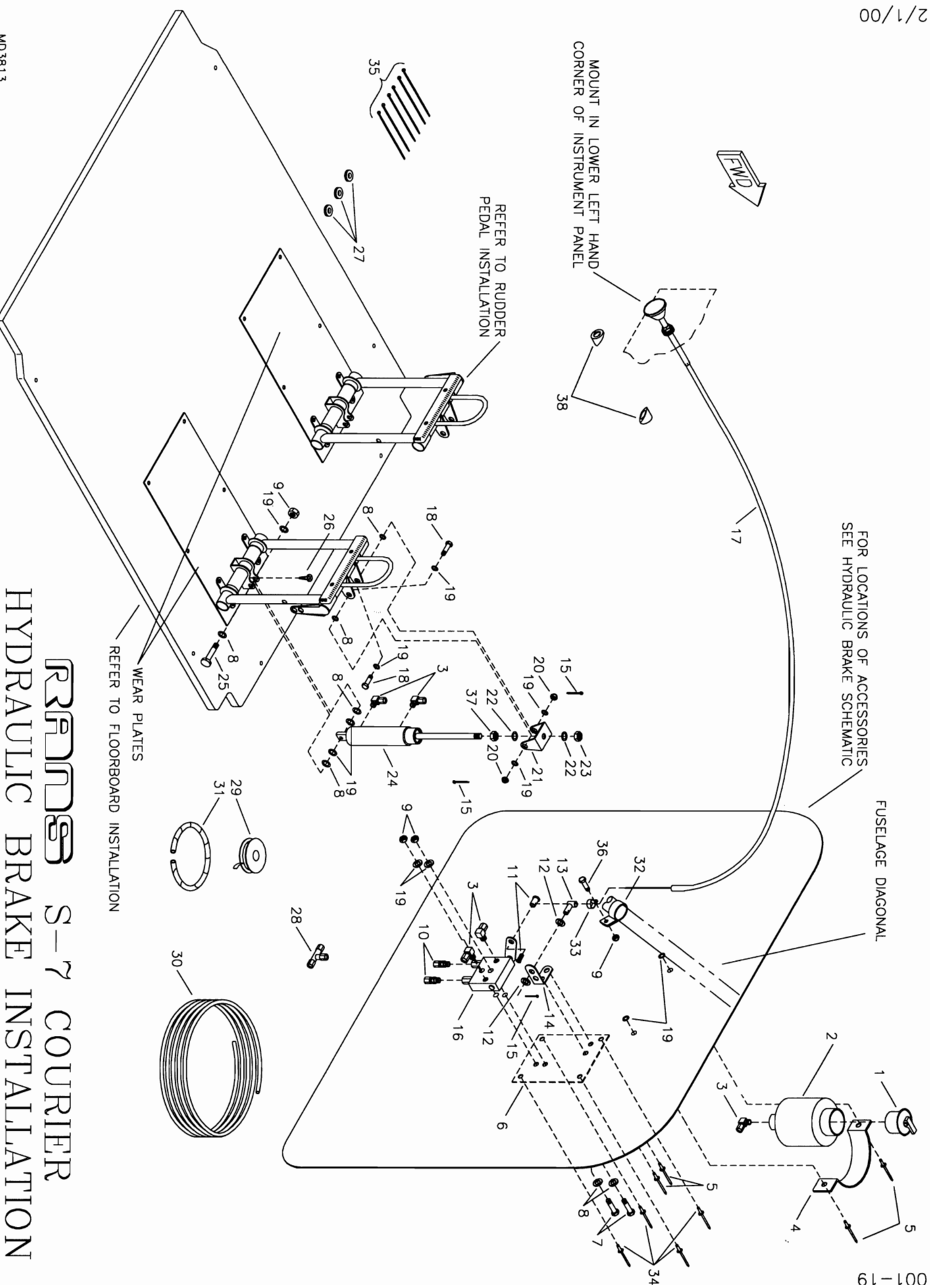
RRMS S-7 COURIER FIREWALL INSTALLATION

MD3829



S-7 COURIER - FIREWALL INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	12
2 .	Stainless Steel Firewall	KPFW0010	1
3 .	Soundproofing	FW-SP	1
4 .	Rubber Grommet	MS35489-17	4
5 .	1/8" Small Brass Washer	AN960-B4	2
6 .	Firewall Cover Plate	KPFW0006	1
7 .	Heater Hole Patch	KPFW0013	1
8 .	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-41	4



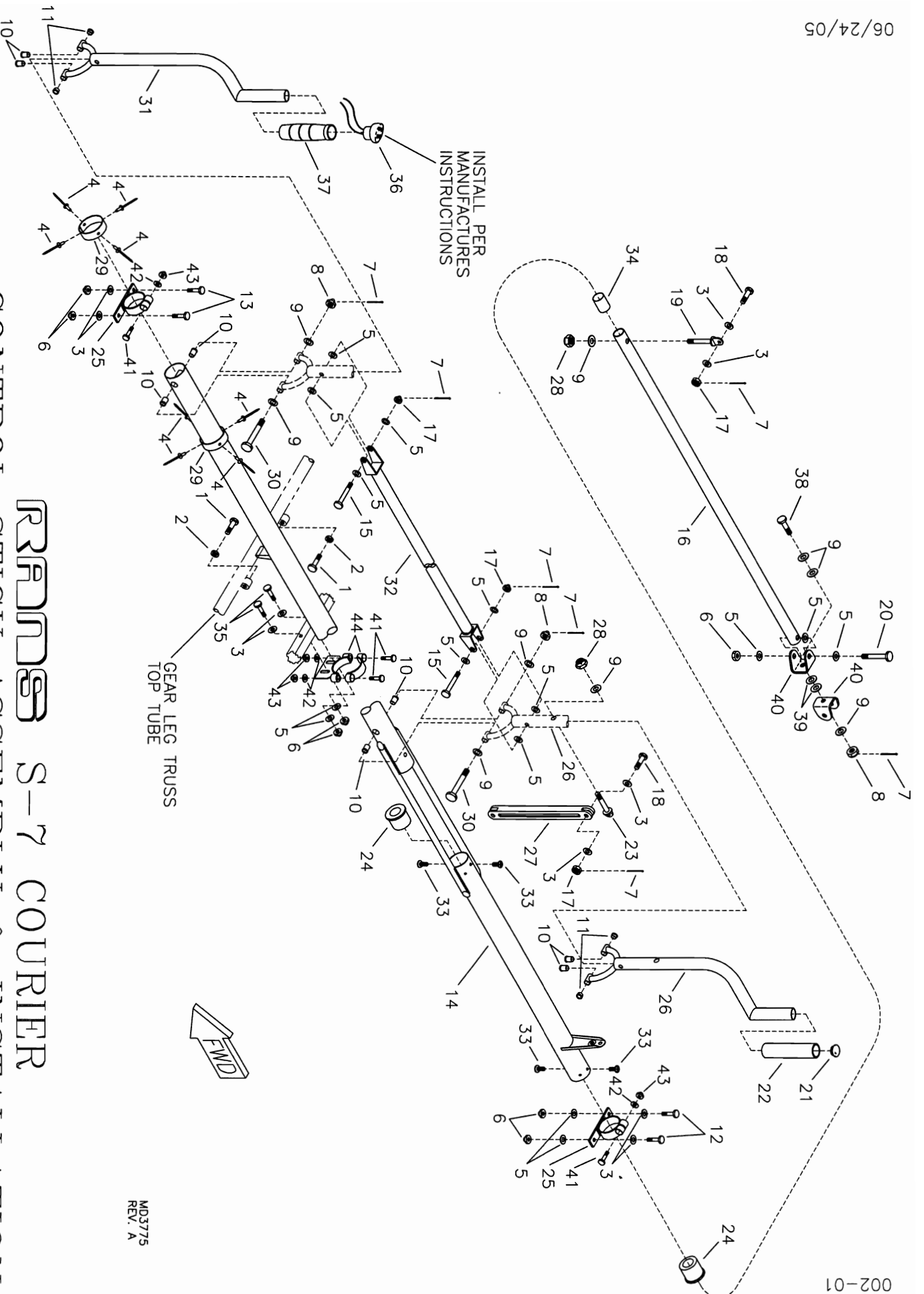
R-7 COURIER HYDRAULIC BRAKE INSTALLATION

S-7 COURIER - HYDRAULIC BRAKE INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	7/8" Expansion Cap	2598K29	1
2.	Aluminum Hydraulic Reservoir	KPBS0007	1
3.	90 Fitting	KSBS0001	7
4.	Hydraulic Reservoir Clamp	FS-HS	1
5.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
6.	Park Brake Backing Plate	KPBS0008	1
7.	3/16" Bolt	AN3-12A	2
8.	3/16" Thin Washer	AN960-10L	12
9.	3/16" Shear Nut	AN364-1032A	5
10.	Straight Fitting	KSBS0002	2
11.	Wire Swivel/Screw Stop	2361	1
12.	1/4" Thick Washer	AN960-416	2
13.	Cable Housing Swivel Stop	KPBS0009	1
14.	Cable Housing Swivel Stop Bracket	KPBS0010	1
15.	Small Cotter Pin	MS24665-134	5
16.	Parking Brake	KSBS0007	1
17.	Control Cable	4-336	1
18.	3/16" Bolt	AN3-5	4
19.	3/16" Thick Washer	AN960-10	18
20.	3/16" Castle Nut	AN310-3	4
21.	U-Bracket	KPAC0017	2
22.	5/16" Thin Washer	AN960-516L	4
23.	5/16" Shear Nut	AN364-524A	2
24.	Master Cylinder - Brake	KSBS0015	2
25.	3/16" Bolt	AN3-10A	2
26.	#6 Small Pan Head Screw	6RX1/2 PHS	2
27.	Rubber Grommet	MS35489-6	3
28.	Tee Fitting	KSBS0003	1
29.	Teflon Tape *	TEFLON TAPE	0
30.	Hydraulic Brake Line	KSBS0004	20 ft
31.	Small Anti-Chafe Loom	KPAC0113	1 ft
32.	1/2" Non Cushioned Tube Clamp	AN742-D8	1
33.	Conduit Clamp	S1-CC	1
34.	3/32" Aluminum Pop Rivet	40APR1/8	4
35.	Zip Ties	ZIP TIES	6
36.	3/16" Bolt	AN3-3A	1
37.	Jam Nut **	----	0
38.	Beveled Washer	KPIP0029	2

*Builder supplies.

**Supplied with Brake Cylinder.



RAMS S-7 COURIER CONTROL STICK ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Plain Bolt	1/4X1 BOLT	2
2.	1/4" Plain Nut	AN345-416	2
3.	3/16" Thin Washer	AN960-10L	10
4.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	8
5.	3/16" Thick Washer	AN960-10	15
6.	3/16" Shear Nut	AN364-1032A	7
7.	Small Cotter Pin	MS24665-134	7
8.	1/4" Castle Nut	AN310-4	3
9.	1/4" Thick Washer	AN960-416	9
10.	Flange Bushing	KSAC0019-10	8
11.	Flange Bushing	KSAC0019-8	4
12.	3/16" Bolt	AN3-11A	2
13.	3/16" Bolt	AN3-5A	2
14.	Control Stick Torque Tube	KACS0012	1
15.	3/16" Bolt	AN3-15	2
16.	Push Pull Tube - Torque Tube	KPCS0187	1
17.	3/16" Castle Nut	AN310-3	4
18.	3/16" Bolt	AN3-7	2
19.	1/4" Eyebolt	AN43B-13A	1
20.	3/16" Bolt	AN3-15A	1
21.	7/8" End Cap	CS-EC	1
22.	Control Stick Grip	CS-G	1
23.	1/4" Eyebolt	AN43B-12A	1
24.	Glide	KPCS0069	2
25.	1 1/2" Torque Tube Mount	KPCS0204	2
26.	Control Stick-AFT	KPCS0085	1
27.	1/2" Linkage Tube	KPCS0058	1
28.	1/4" Tensile Nut	AN365-428A	2
29.	Pillow Block Stop Ring	KPCS0013	2
30.	1/4" Bolt	AN4-35	2
31.	Control Stick-FWD	KPCS0086	1
32.	Control Stick Push Pull Tube	KACS0005	1
33.	Self Tapping Screw	KSHW0041	4
34.	Control Stick Stop	KPCS0177	1
35.	3/16" Bolt	AN3-10A	2
36.	Control Stick Switches *, **	-----	1
37.	Control Stick Grip	KSCS0016	1
38.	1/4" Bolt	AN4-7	1
39.	1/4" Large Washer	AN970-4	2
40.	U-Bracket	KPAC0036	2
41.	1/4" Bolt	AN4-14A	4
42.	1/4" Thin Washer	AN960-416L	4
43.	1/4" Shear Nut	AN364-428A	4
44.	1 1/2" Torque Tube Mount	KPCS0205	1

*Install per Manufacturer's Instructions.

**Supplied with Control Stick Grip.

REFERENCE
STATION
169.7

002-03

REFERENCE CONTROL STICK
ASSEMBLY AND INSTALLATION

REFERENCE ELEVATOR
PUSH/PULL TUBE ASSEMBLY

* FLANGE BUSHINGS MUST BUTT UP SNUGLY
AGAINST BOTH CENTER BUSHING AND OUTSIDE
OF PUSH/PULL TUBE, MODIFY IF NECESSARY

MD3771

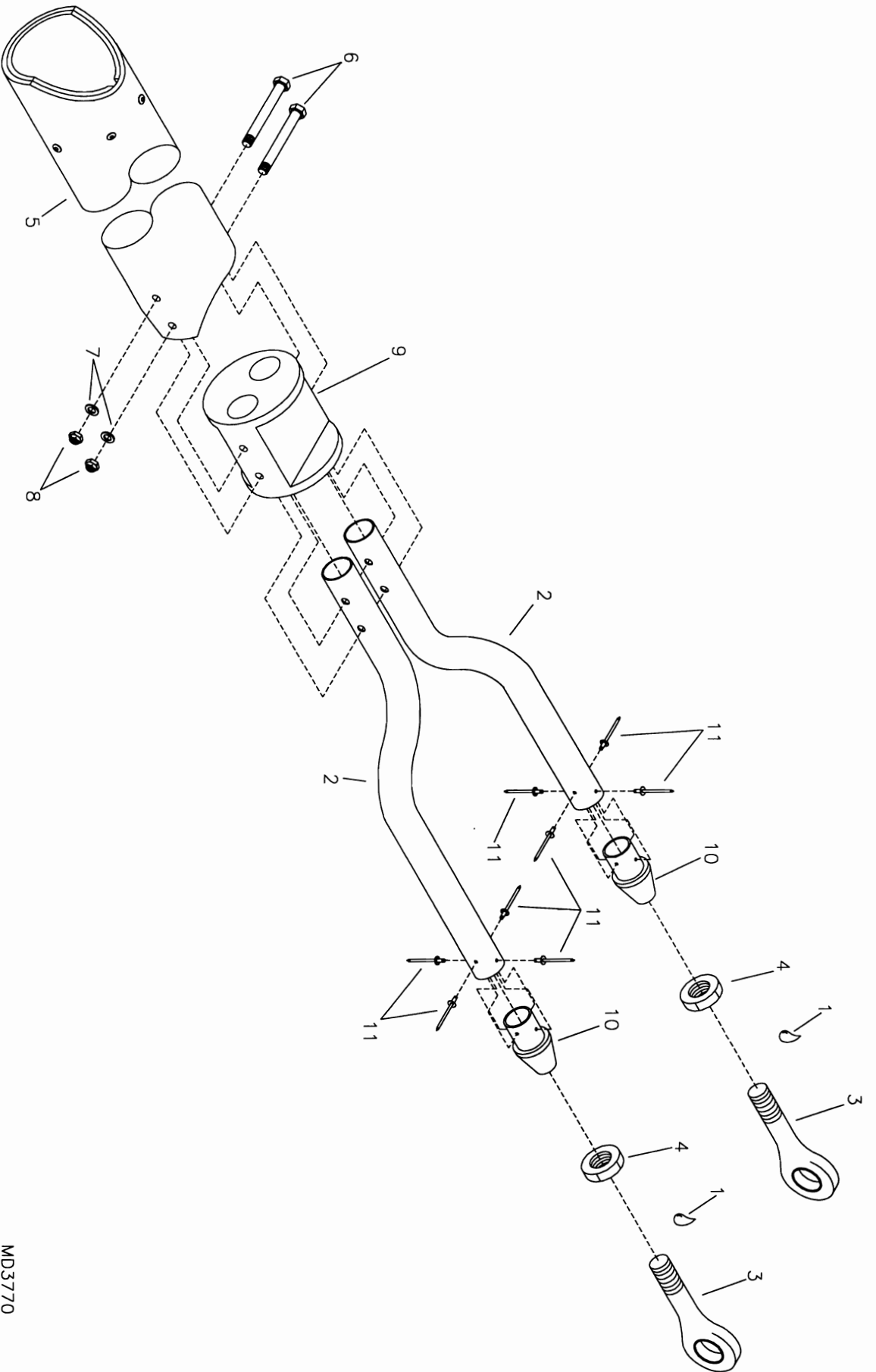
RAMS S-7 COURIER ELEVATOR CONTROL SYSTEM INSTALLATION

S-7 COURIER - ELEVATOR CONTROL SYSTEM INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Small Cotter Pin	MS24665-134	5
2 .	Flange Bushing	KSAC0019-3	12
3 .	Push Pull Tube, FWD - 1 3/4"	KPCS0166	1
4 .	3/16" Bolt	AN3-6	2
5 .	3/16" Bolt	AN3-25	2
6 .	3/16" Bolt	AN3-23	1
7 .	3/16" Thick Washer	AN960-10	6
8 .	3/16" Thin Washer	AN960-10L	4
9 .	3/16" Castle Nut	AN310-3	5
10 .	Flange Bushing *	KSAC0019-6	2
11 .	Idle Bracket	KPCS0165	2
12 .	Bushing	KPAC0060	2
13 .	Bushing	KPAC0159	1

*Flange Bushing must butt up snugly against both Center Bushing and outside of Push Pull Tube,

*Modify if necessary.



MD3770

Red Bull S-7 COURIER ELEVATOR PUSH/PULL TUBE ASSEMBLY

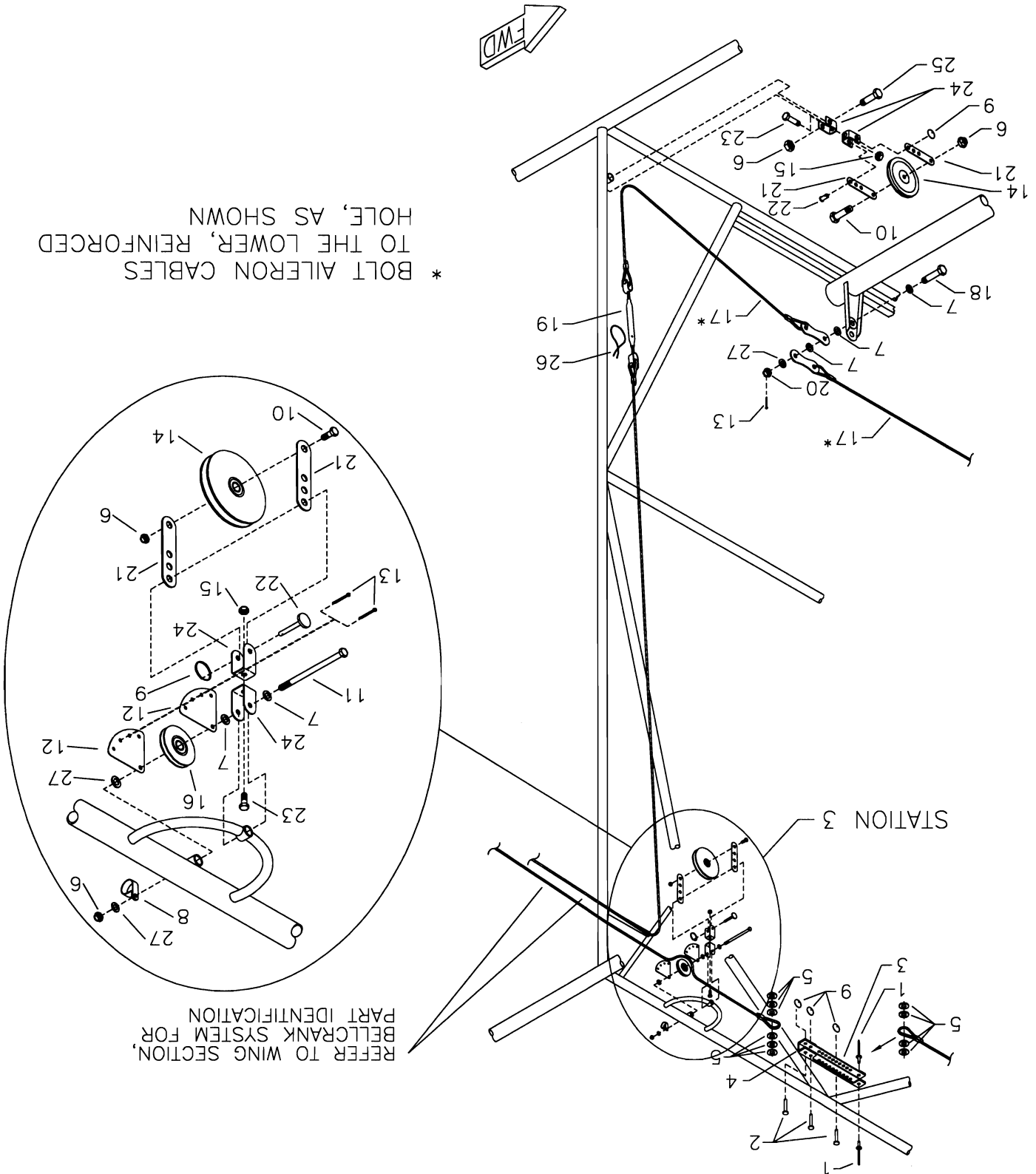
S-7 COURIER - ELEVATOR PUSH PULL TUBE ASSEMBLY

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Loctite Blue	LOC-TITE	0
2 .	Arm - Elevator Yoke	KPCS0155	2
3 .	Male End Rod	NM-4	2
4 .	1/4" Plain Nut	AN345-416	2
5 .	Push Pull Tube, AFT - 1 3/4"	KPCS0156	1
6 .	3/16" Bolt	AN3-21A	2
7 .	3/16" Thick Washer	AN960-10	2
8 .	3/16" Shear Nut	AN364-1032A	2
9 .	Yoke Fitting - Push Pull Tube	KPCS0157	1
10 .	End Fitting - Yoke Arm	KPCS0158	2
11 .	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-43	8

RMS S-7 COURIER AILERON CABLE SYSTEM

NOTE: LEFT SIDE OF SYSTEM SHOWN

MD3828



S-7 COURIER - AILERON CABLE SYSTEM

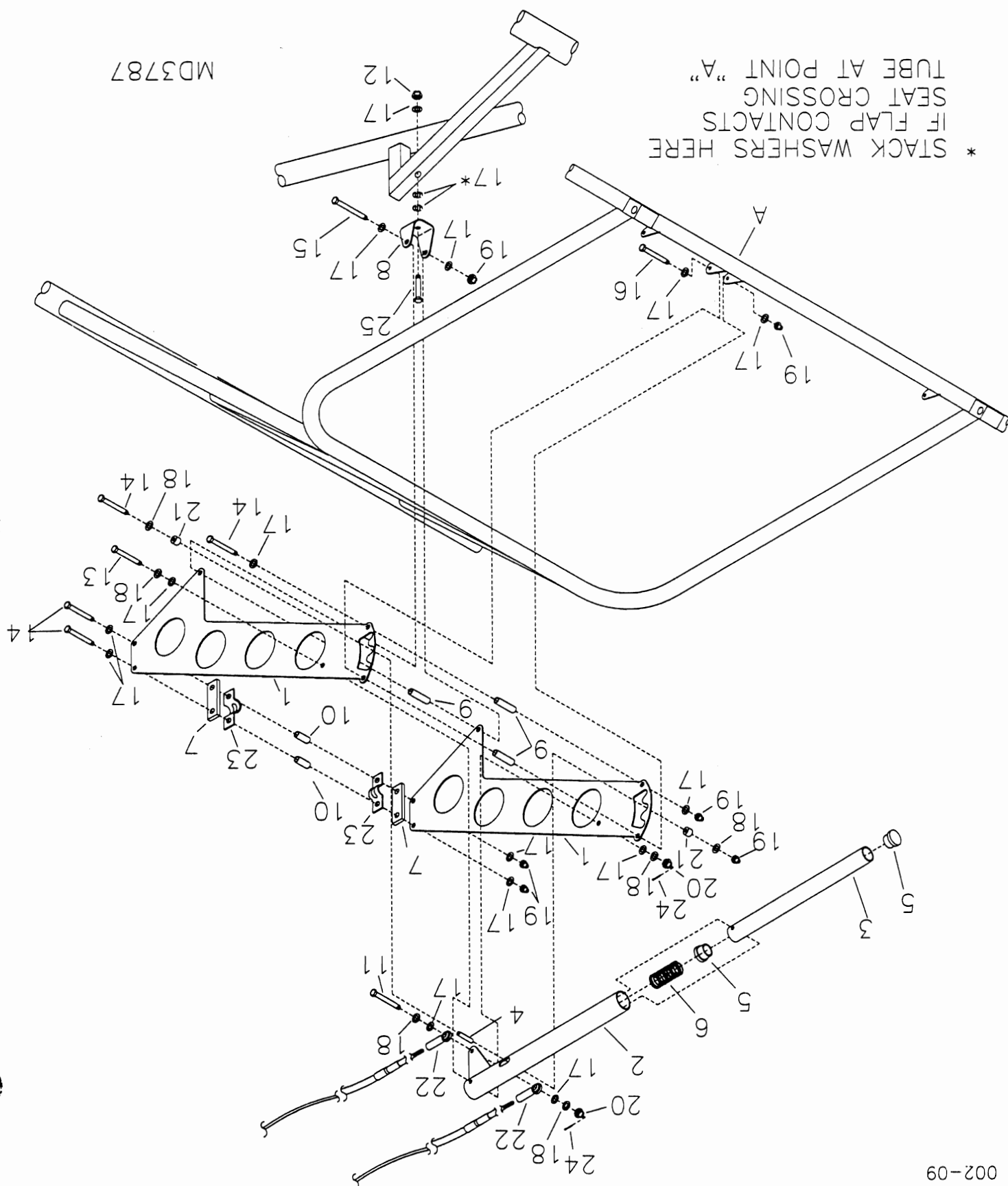
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	2
2.	3/16" Clevis Pin	MS20392-2C25	3
3.	Cable Tensioner (Inner)	CS-LCT-I	1
4.	Cable Tensioner (Outer)	CS-LCT-O	1
5.	3/16" Plastic Washer	PW-3	10
6.	3/16" Shear Nut	AN364-1032A	8
7.	3/16" Thin Washer	AN960-10L	7
8.	Cushioned Tube Clamp	MS21919WDG6	2
9.	Loc Ring	RL 27 1/4	7
10.	3/16" Bolt	AN3-6A	4
11.	3/16" Bolt	AN3-24A	2
12.	Small Pulley Cable Keeper *	SP-CK	4
13.	Small Cotter Pin	MS24665-134	5
14.	Pulley	KSAC0020	4
15.	3/16" Tensile Nut	AN365-1032A	4
16.	Small Pulley	AN210-1A	2
17.	Aileron Cable	AIL-CAB-A	2
18.	3/16" Bolt	AN3-5	1
19.	Turnbuckle	RL-335-AT	2
20.	3/16" Castle Nut	AN310-3	1
21.	Multi-Hole Tang	ST-16	8
22.	3/16" Clevis Pin	MS20392-2C17	4
23.	3/16" Bolt	AN3-3A	4
24.	Shackle	RL-205-T	8
25.	3/16" Bolt	AN3-7A	2
26.	Safety Wire	SAFETY WIRE	0
27.	3/16" Thick Washer	AN960-10	5

*Builder must modify. Refer to text for instructions.

RRMS S-7 COURIER
FLAP HANDLE INSTALLATION

MD3787

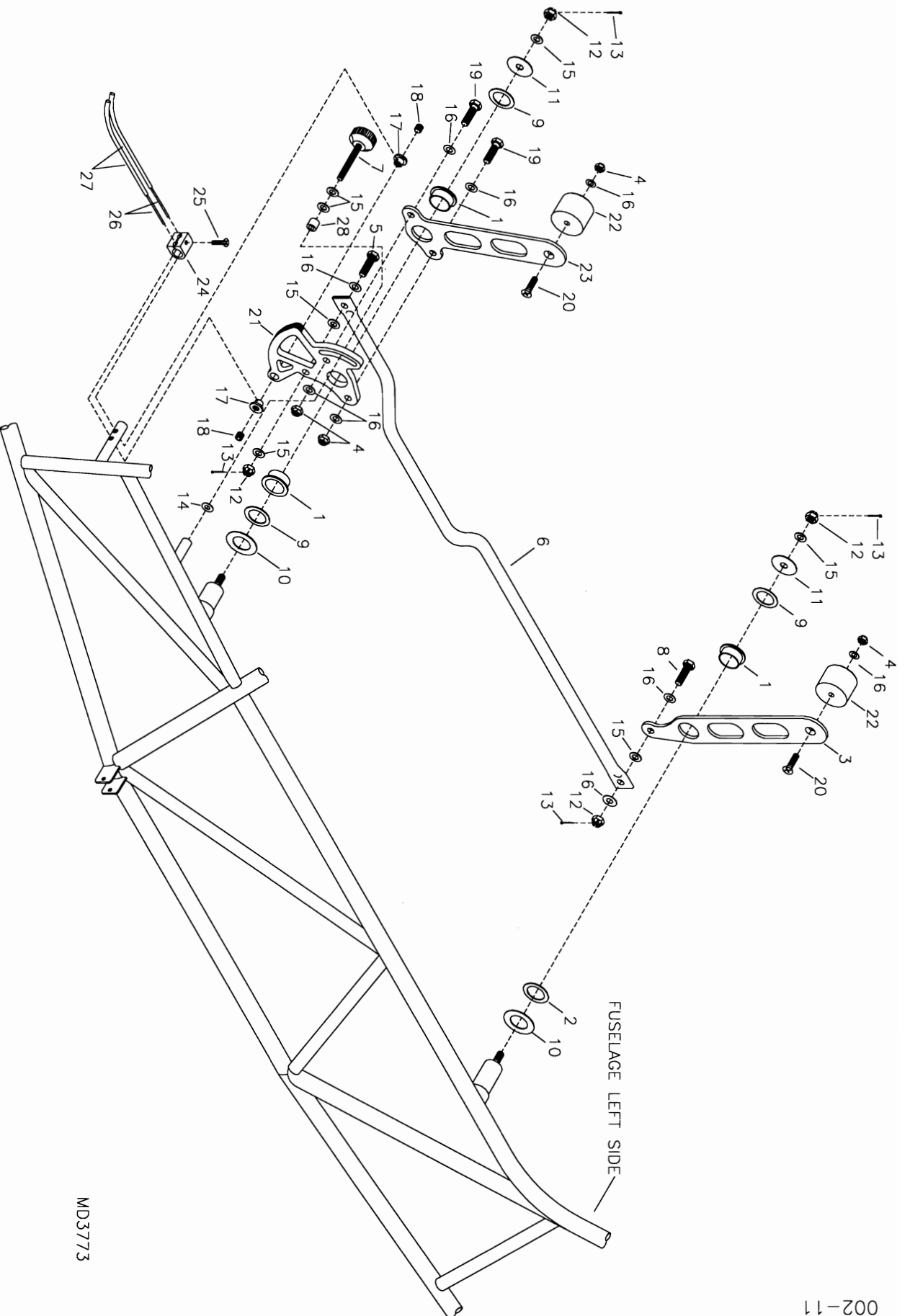
*
STACK WASHERS HERE
IF FLAP CONTACTS
SEAT CROSSING
TUBE AT POINT "A"



S-7 COURIER - FLAP HANDLE INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Side Plate Flap Lever	KPCS0163	2
2.	Flap Handle	KPCS0167	1
3.	Flap Trip Release Tube	KPFL0074	1
4.	Spacer Bushing	KPCS0172	1
5.	3/4" Endcap	3/4 ENDCAP	2
6.	Spring	C-21	1
7.	Plastic Shim	KPAC0121	2
8.	U-Bracket	S2-SAB	1
9.	Spacer Bushing	KPCS0169	3
10.	Spacer Bushing	KPCS0170	2
11.	3/16" Bolt	AN3-12	1
12.	3/16" Shear Nut	AN364-1032A	1
13.	3/16" Bolt	AN3-15	1
14.	3/16" Bolt	AN3-15A	4
15.	3/16" Bolt	AN3-16A	1
16.	3/16" Bolt	AN3-17A	1
17.	3/16" Thick Washer	AN960-10	17
18.	3/16" Thin Washer	AN960-10L	6
19.	3/16" Shear Acorn Nut	22NKM02	5
20.	3/16" Castle Nut	AN310-3	2
21.	Roller/Spacer Bushing	KPCS0171	2
22.	Female Rod End	NF-3	2
23.	Teleflex Retainer Bracket	KSCS0001	2
24.	Small Cotter Pin	MS24665-134	2
25.	3/16" Bolt	AN3-10A	1

*Builder must fabricate from raw stock.

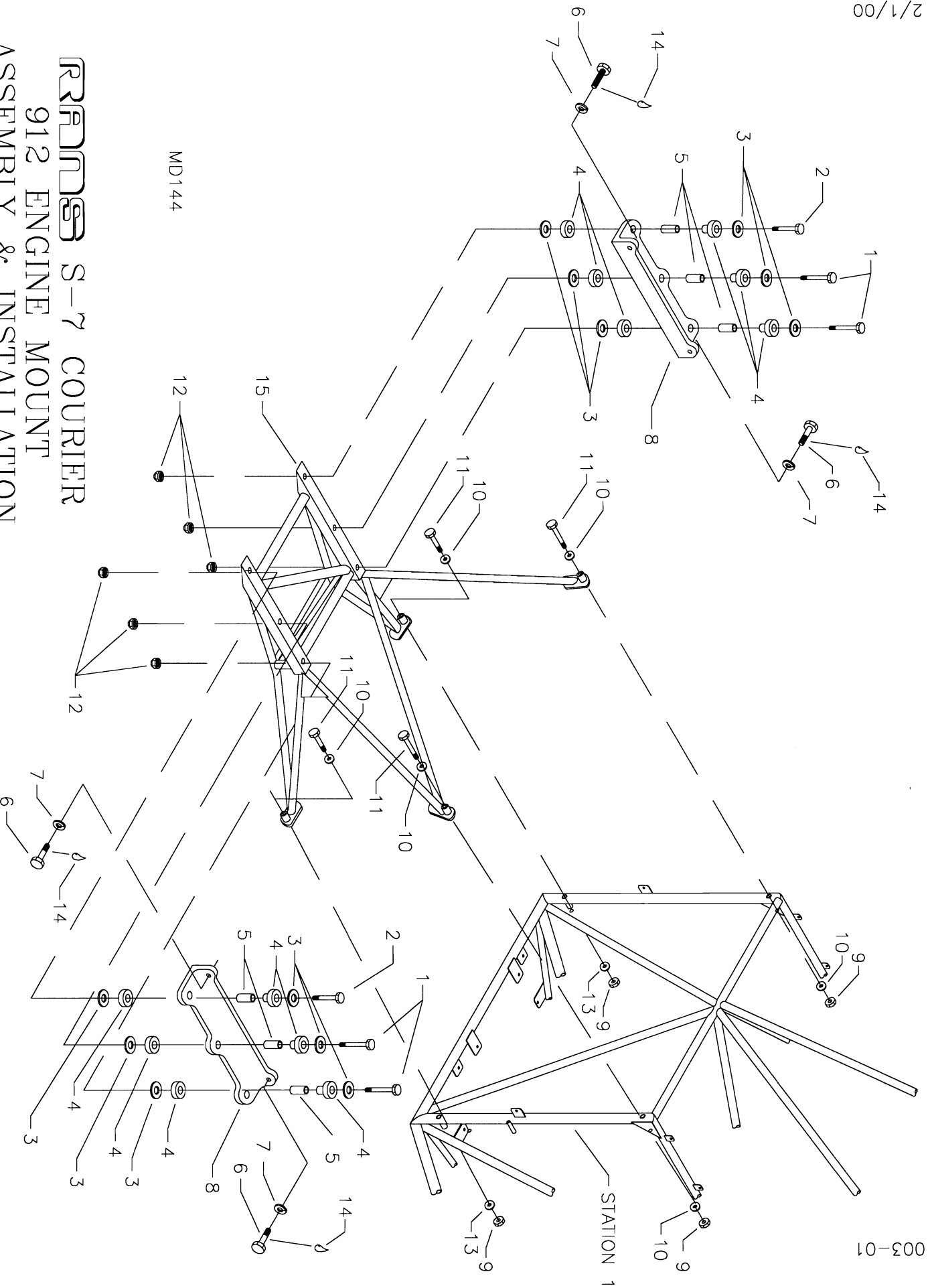


REAR S-7 COURIER THROTTLE INSTALLATION

MD3773

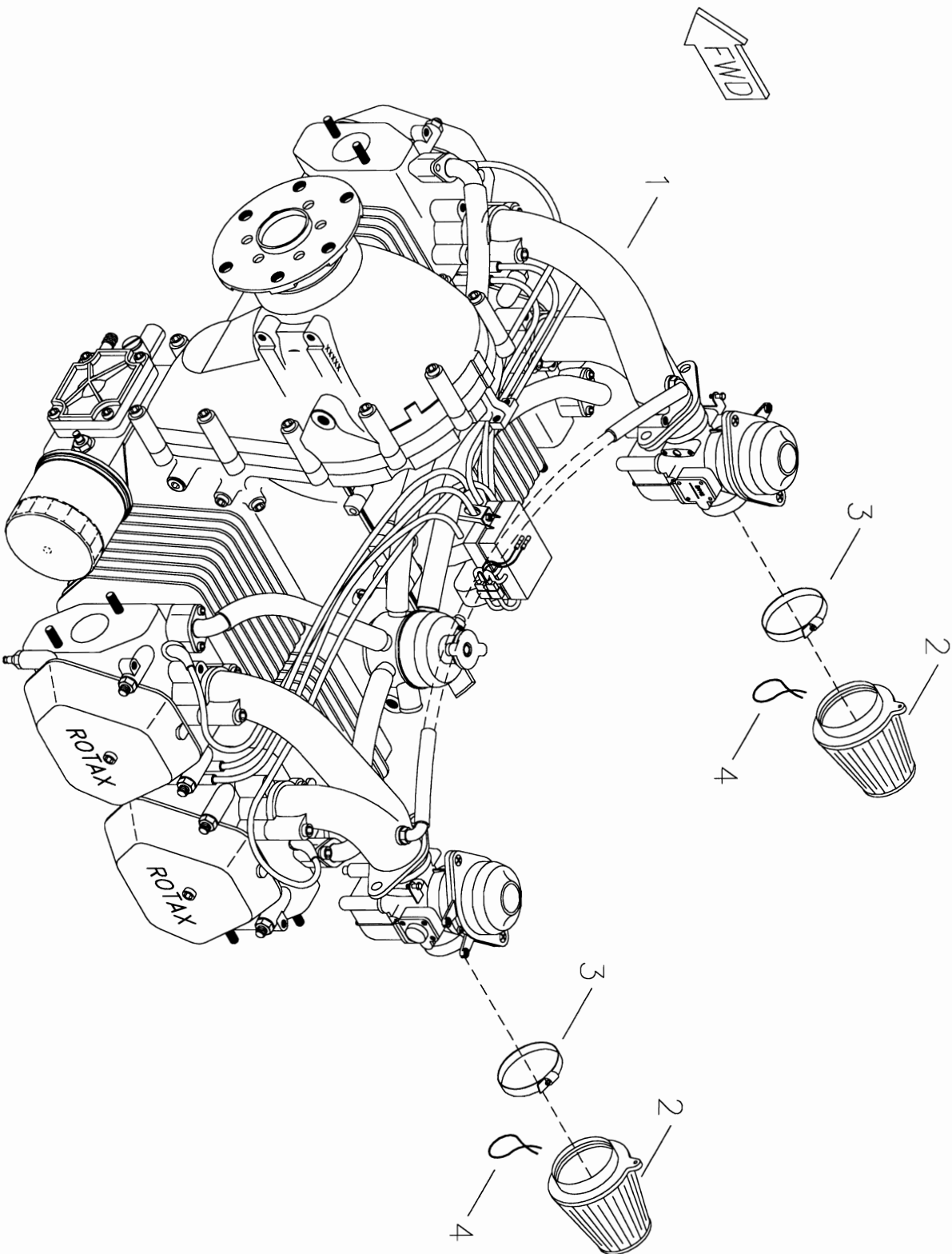
S-7 COURIER - THROTTLE INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Flange Bushing	KSAC0019-18	3
2.	Plastic Washer (.625 dia.)	KSAC0042	1
3.	AFT Throttle Lever	KPCS0102	1
4.	3/16" Shear Nut	AN364-1032A	4
5.	3/16" Bolt	AN3-10	1
6.	Link Tube	KPCS0094	1
7.	Friction Knob	KSAC0012	1
8.	3/16" Bolt	AN3-6	1
9.	Nylon Washer	KSAC0005	3
10.	1/2" Thick Washer	AN960-816	2
11.	3/16" Large Washer	AN970-3	2
12.	3/16" Castle Nut	AN310-3	4
13.	Small Cotter Pin	MS24665-134	4
14.	Nylon Washer	KSHW0068	1
15.	3/16" Thick Washer	AN960-10	7
16.	3/16" Thin Washer	AN960-10L	9
17.	Cable Stop	KSHW0044	2
18.	Set Screw	KSHW0043	2
19.	3/16" Bolt	AN3-7A	2
20.	3/16" Countersunk Machine Bolt	AN509-1032R14	2
21.	Throttle Cable Guide	KPCS0100	1
22.	Knob	KPCS0104	2
23.	FWD Throttle Lever	KPCS0101	1
24.	Throttle Cable Housing Retention Block	KPCS0106	1
25.	Machine Screw	MS35206-218	1
26.	Throttle Cable, 65"	EG-T-CAB	2
27.	Cable Housing	T-CAB-H	12 ft
28.	Friction Spacer	KSHW0042	1



RRR S-7 COURIER 912 ENGINE MOUNT ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-27A	4
2.	1/4" Bolt	AN4-20A	2
3.	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-6/10	2
9.	1/4" Tensile Nut	AN365-428A	4
10.	1/4" Thick Washer	AN960-416	6
11.	1/4" Bolt	AN4-27A	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	KAPW0025	1



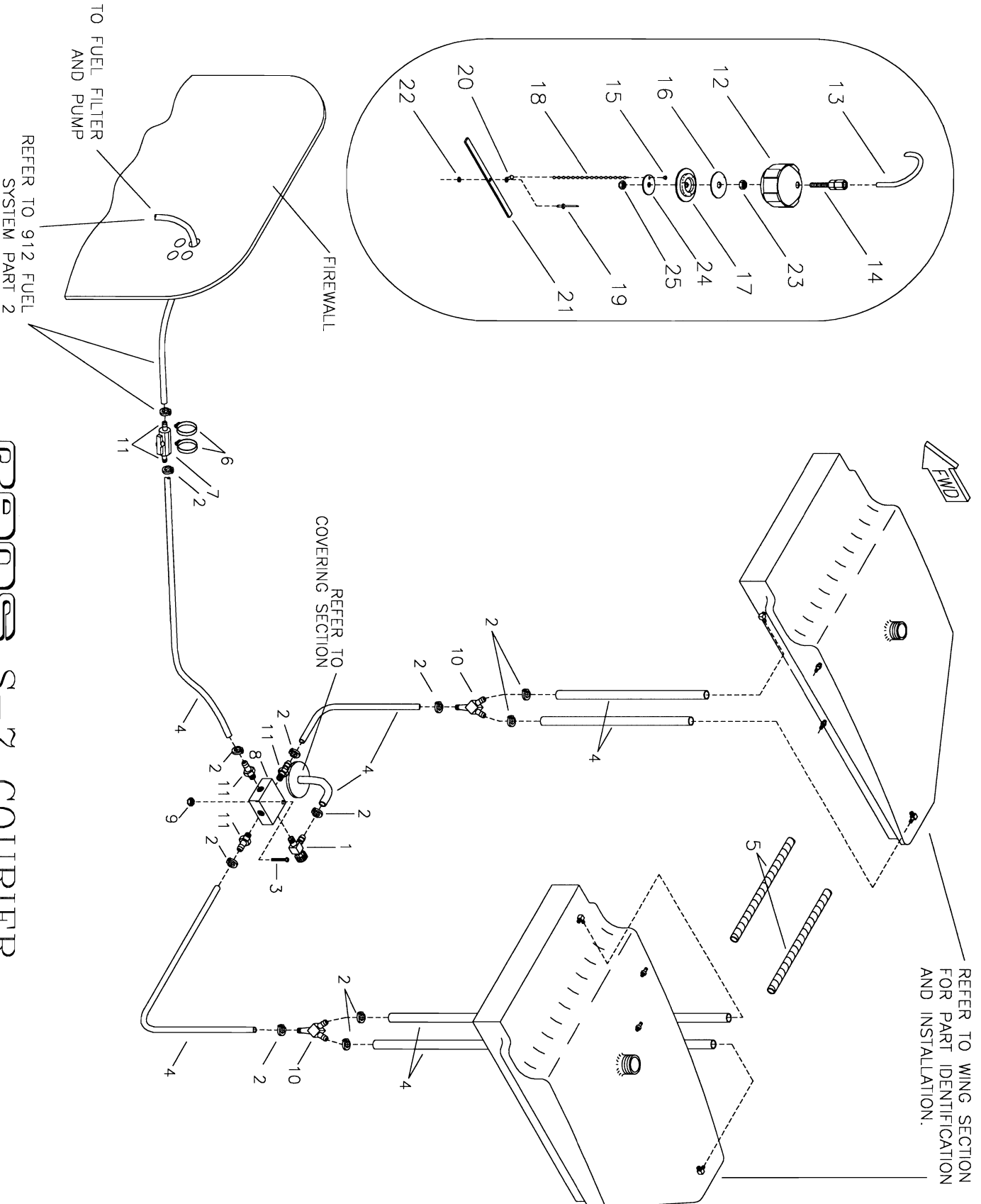
RAMS S-7 COURIER 912 ENGINE

MD285

S-7 COURIER - 912 ENGINE

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

*Supplied with Air Filter.

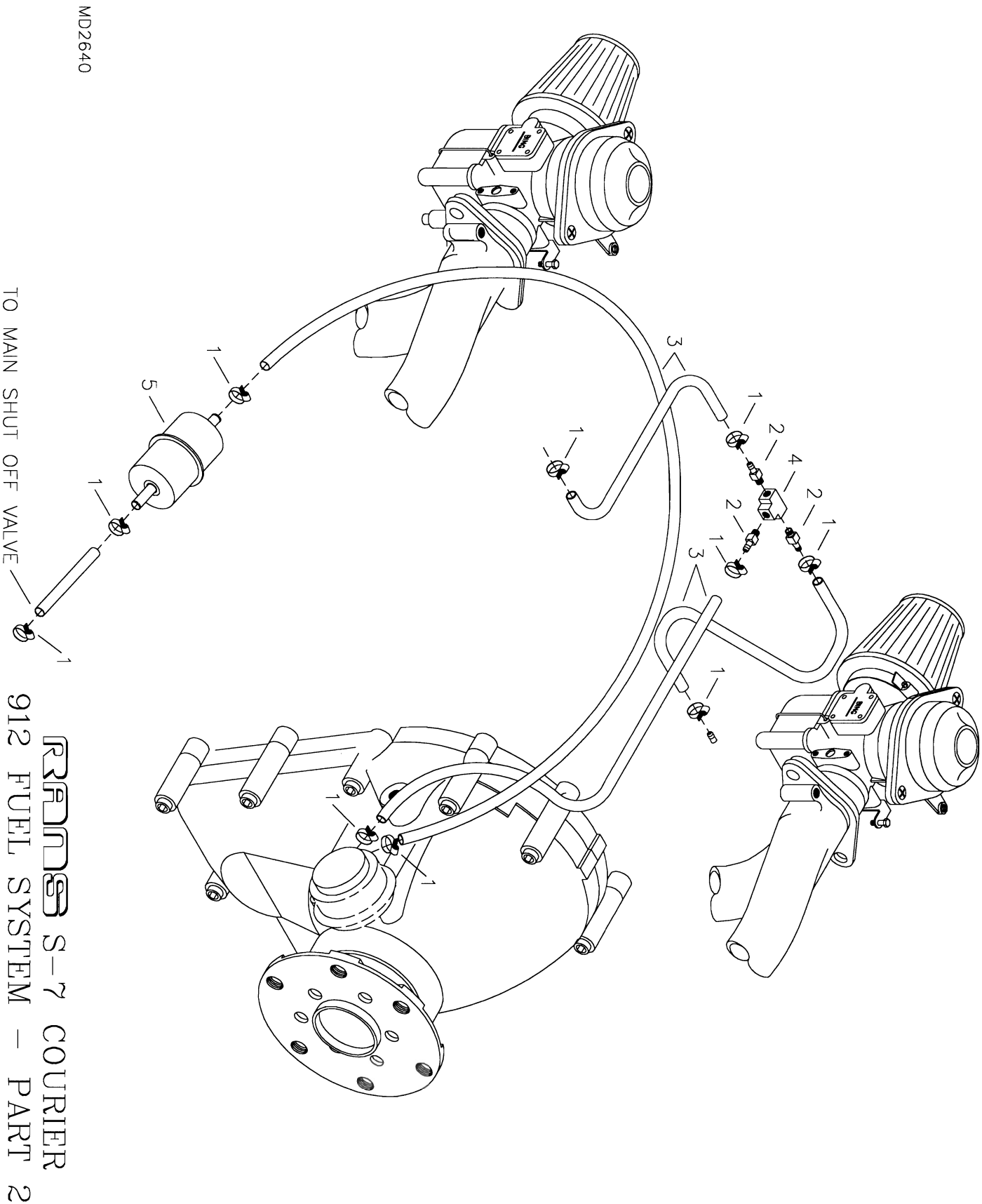


912 FUEL SYSTEM PART 1

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Sump Drain Valve	8336	1
2.	Line Clamp, 1/2"	FS-LCL 1/2	11
3.	8 x 32 Bolt	AN526-832R16	1
4.	1/4" Black Fuel Line	KSFS0002	25 ft
5.	Coil Wrap	1/2 SPIRAL LOOM	2 ft
6.	Hose Clamp, 1 1/2"	5-5216	2
7.	Fuel Shut Off Valve	FS-S-OFF	1
8.	Fuel Mixer Block	FS-FMB	1
9.	8 x 32 Nut	AN364-832A	1
10.	Fuel Line "Y" Connector	8345	2
11.	Straight Withdrawal Fitting	8330	5
12.	Fuel Cap	KSFS0007	2
13.	Vent Tube	KPFS0020	2
14.	Conduit Adjuster Assembly	KSFS0014	2
15.	Bead Chain - Retainer Sleeve	KSHW0014	2
16.	Plastic Baffle *	KSFS0012	0
17.	Rubber Gasket *	KSFS0013	0
18.	#3 Bead Chain	KSHW0012	2
19.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	2
20.	Bead Chain - End Coupling	KSHW0013	2
21.	Plastic Retainer	KPFS0012	2
22.	1/8" Small Brass Washer	AN960-B4	2
23.	1/4" Plain Nut	AN345-416	2
24.	1/4" Large Washer	AN970-4	2
25.	1/4" Shear Nut	AN364-428C	2

*Supplied with Fuel Cap.

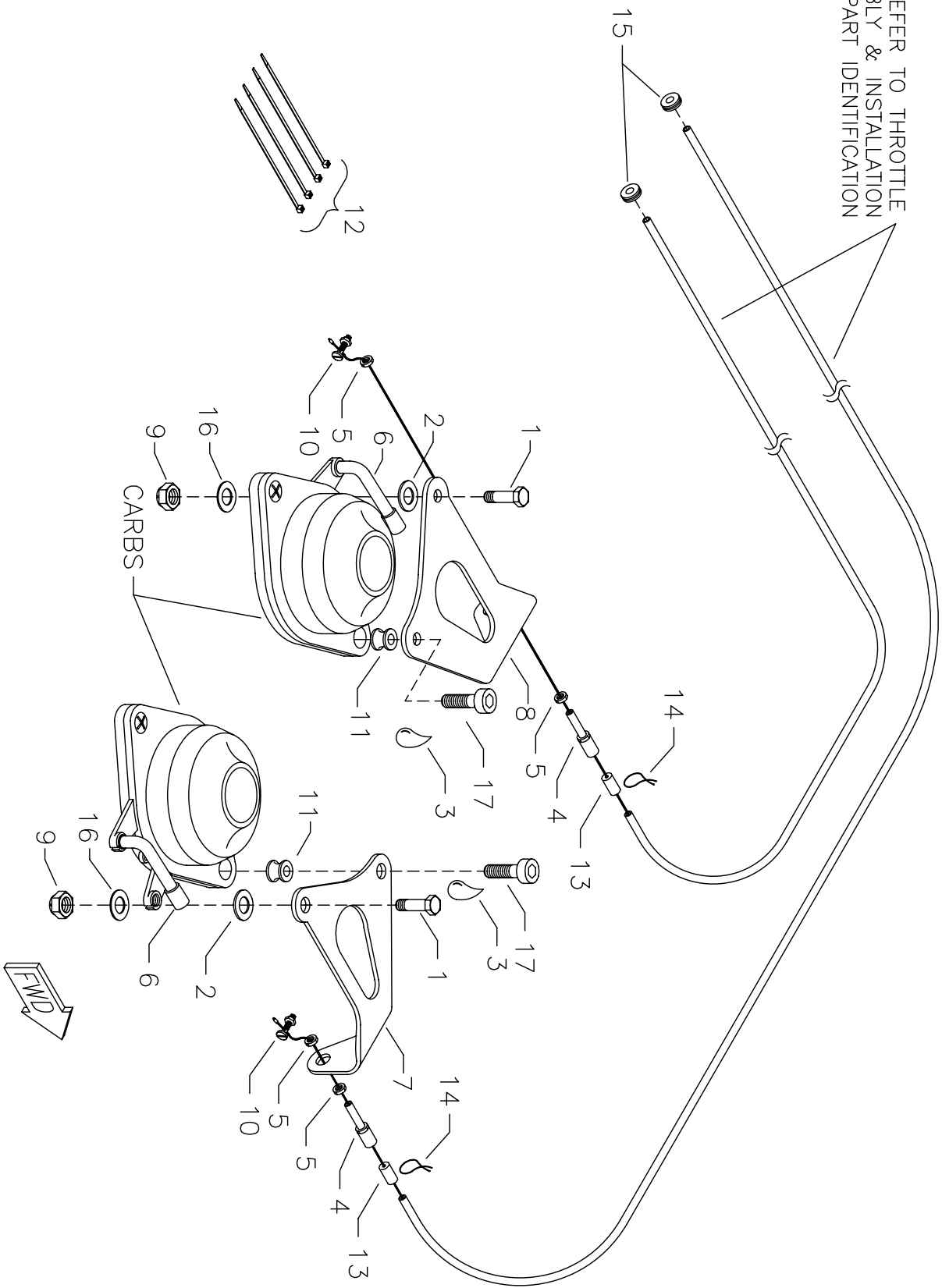
9/17/2009



S-7 COURIER - 912 FUEL SYSTEM - PART 2

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Small Hose Clamp	5-6202	10
2 .	Straight Withdrawal Fitting	8330	3
3 .	1/4" Black Fuel Line	KSFS0002	9 ft
4 .	1/8" Brass Tee Fitting	3-20120	1
5 .	Fuel Filter	33031	1

REFER TO THROTTLE
LEVER ASSEMBLY & INSTALLATION
FOR PART IDENTIFICATION



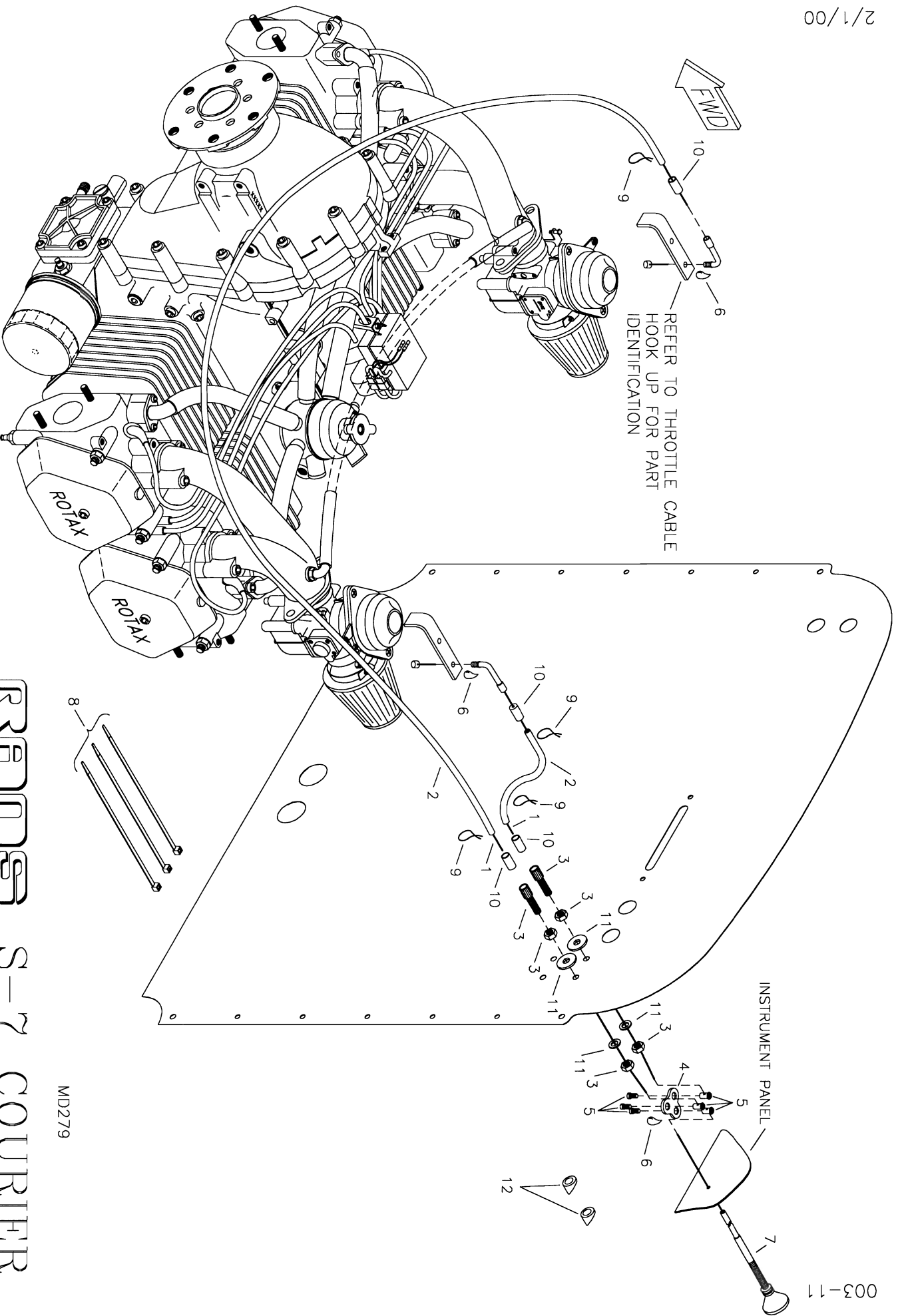
912 THROTTLE HOOK UP - CARBURRETOR SIDE

MD284
REV. A

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-7A	2
2.	3/16" Thick Washer	AN960-10	2
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, LH	KPPW0217-L	1
8.	Throttle Cable Mount, RH	KPPW0217-R	1
9.	3/16" Shear Nut	AN364-1032A	2
10.	Wire Stop/Screw *	-----	0
11.	Flange Bushing *	-----	0
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.	3/16" Thin Washer	AN960-10L	2
17.	M5 x 25 Socket Head Cap Screw	KSHW0072	2

*Supplied with Engine.

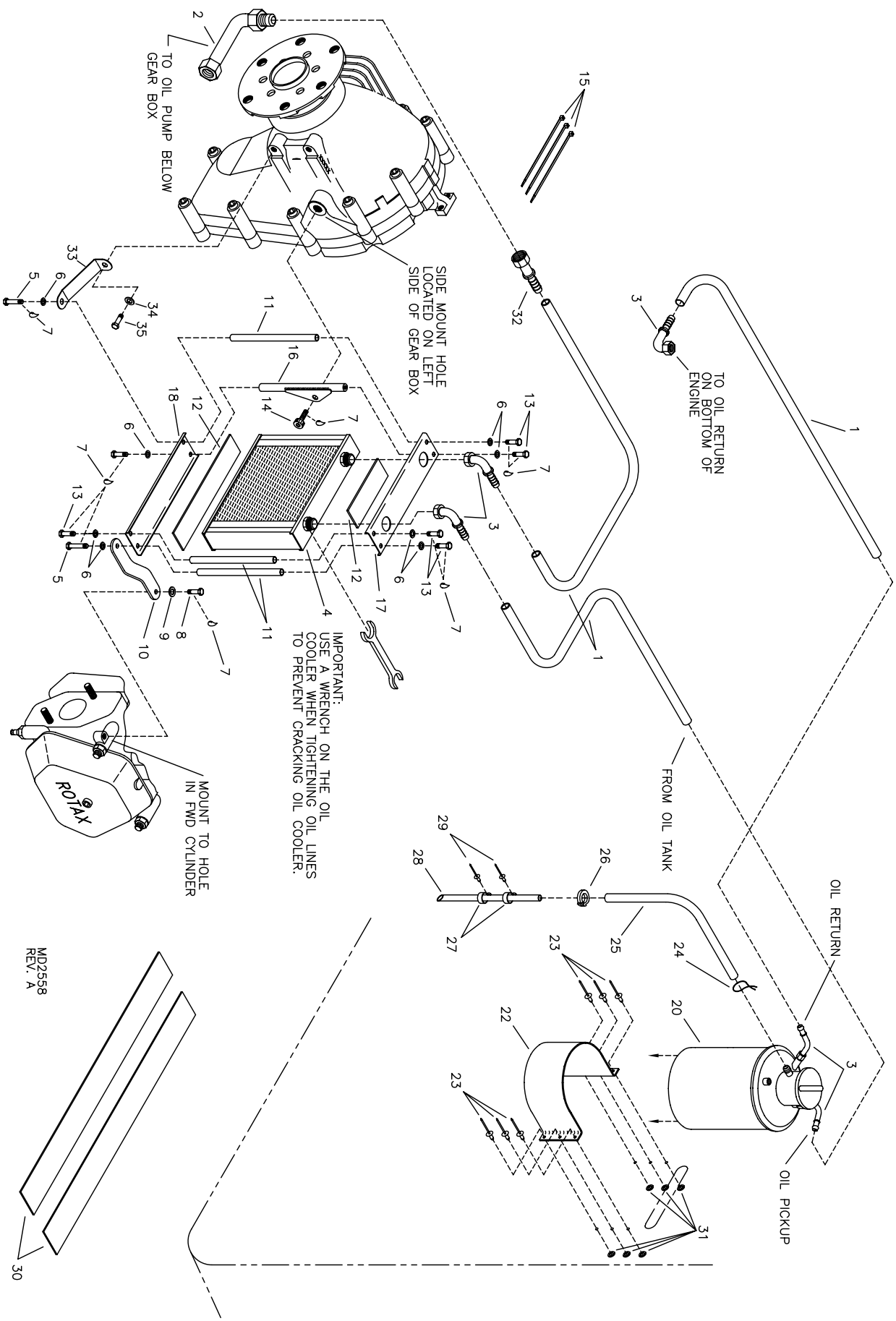
5/24/2007



RAMMS S-7 COURIER 912 CHOKE SYSTEM

S-7 COURIER - 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/Screw Stop	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
12 .	Beveled Washer	KPIP0029	2



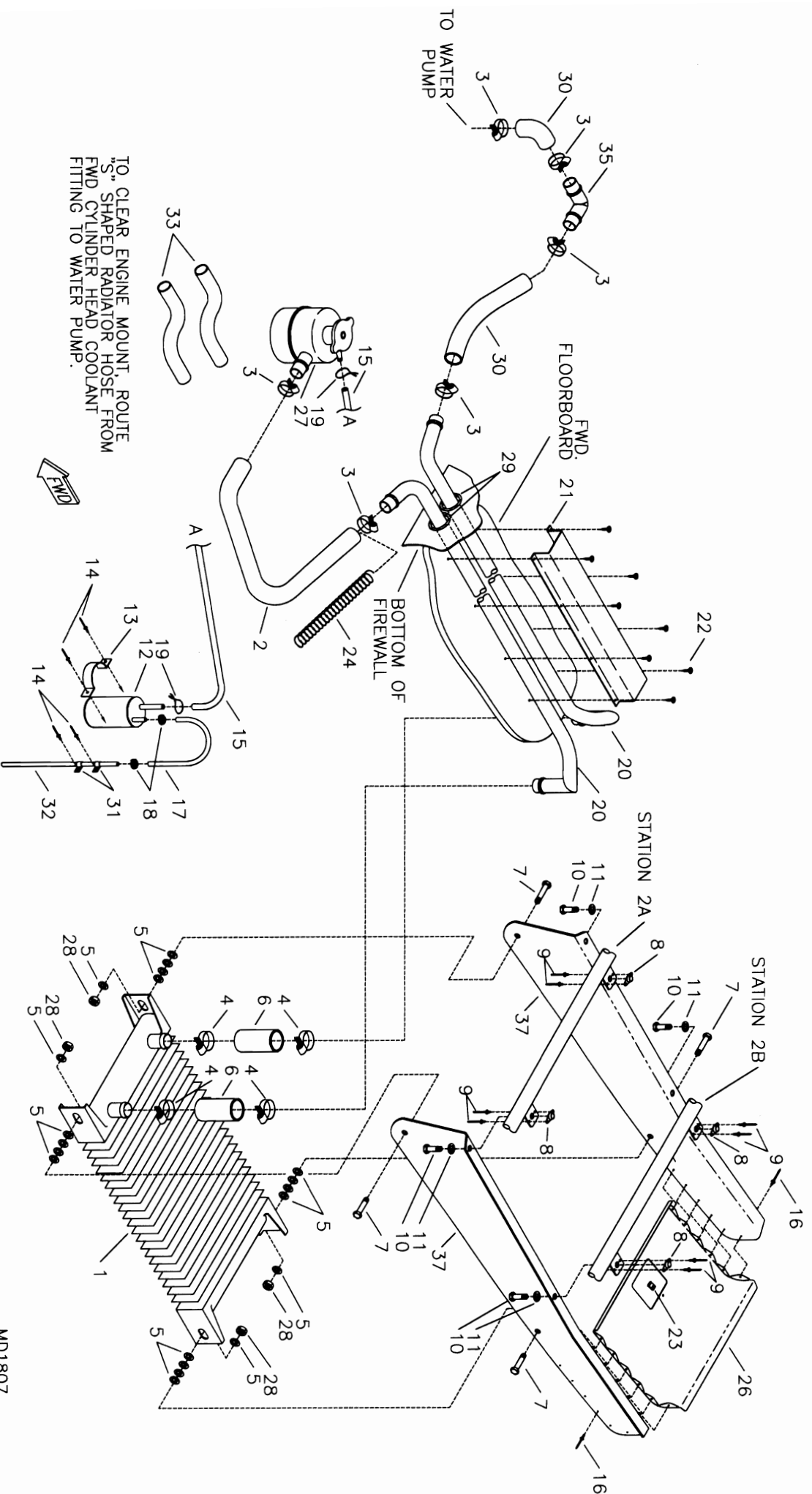
912/912S OIL COOLER ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Oil Line	KSPW0080	6 ft
2.	90 Degree Fitting - Long	KSPW0082	1
3.	90 Fitting	KSPW0002	5
4.	Oil Cooler	21608	1
5.	3/16" Bolt	AN3-4A	1
6.	3/16" Thin Washer	AN960-10L	8
7.	Loctite Blue	LOC-TITE	0
8.	6MM X 16MM Bolt	M6X16 BOLT	1
9.	1/4" Thin Washer	AN960-416L	1
10.	Bent Oil Cooler Mount	KPPW0176	1
11.	Threaded Bushing	KPPW0180	3
12.	.093 Silicone Sheet	KPPW0254	2
13.	3/16" Bolt	AN3-3A	7
14.	10MM X 20MM Bolt	10MMX20MM	1
15.	Zip Ties	ZIP TIES	3
16.	Oil Cooler Mount	KPPW0175	1
17.	Upper Oil Cooler Mount	KPPW0071	1
18.	Lower Oil Cooler Mount	KPPW0072	1
19.	5/16" Thick Washer	AN960-516	1
20.	Oil Tank *	-----	0
21.	8MM X 20MM Bolt	M8X20 BOLT	1
22.	Oil Tank Bracket	EGCS-OTM-912-7	1
23.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	6
24.	Safety Wire	SAFETY WIRE	0
25.	1/4" Clear Fuel Line	KSFS0008	2 ft
26.	Line Clamp, 5/16"	FS-LCL 5/16	1
27.	Conduit Clamp	S1-CC	2
28.	Aluminum Tube, 1/4" x .028 x 12" **	KAAC0034-7	0
29.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	2
30.	2" Wide Neoprene Gap Seal, 36"	2GS-52	3 ft
31.	1/8" Small Brass Washer	AN960-B4	6
32.	Straight Fitting	KSPW0026	1
33.	Oil Cooler Mount - FWD	KPPW0177	1

*Supplied with Engine.

**Builder must fabricate from raw stock.

5/24/2007



**REFRIG S-7 COURIER
COOLING SYSTEM ASSEMBLY & INSTALLATION**

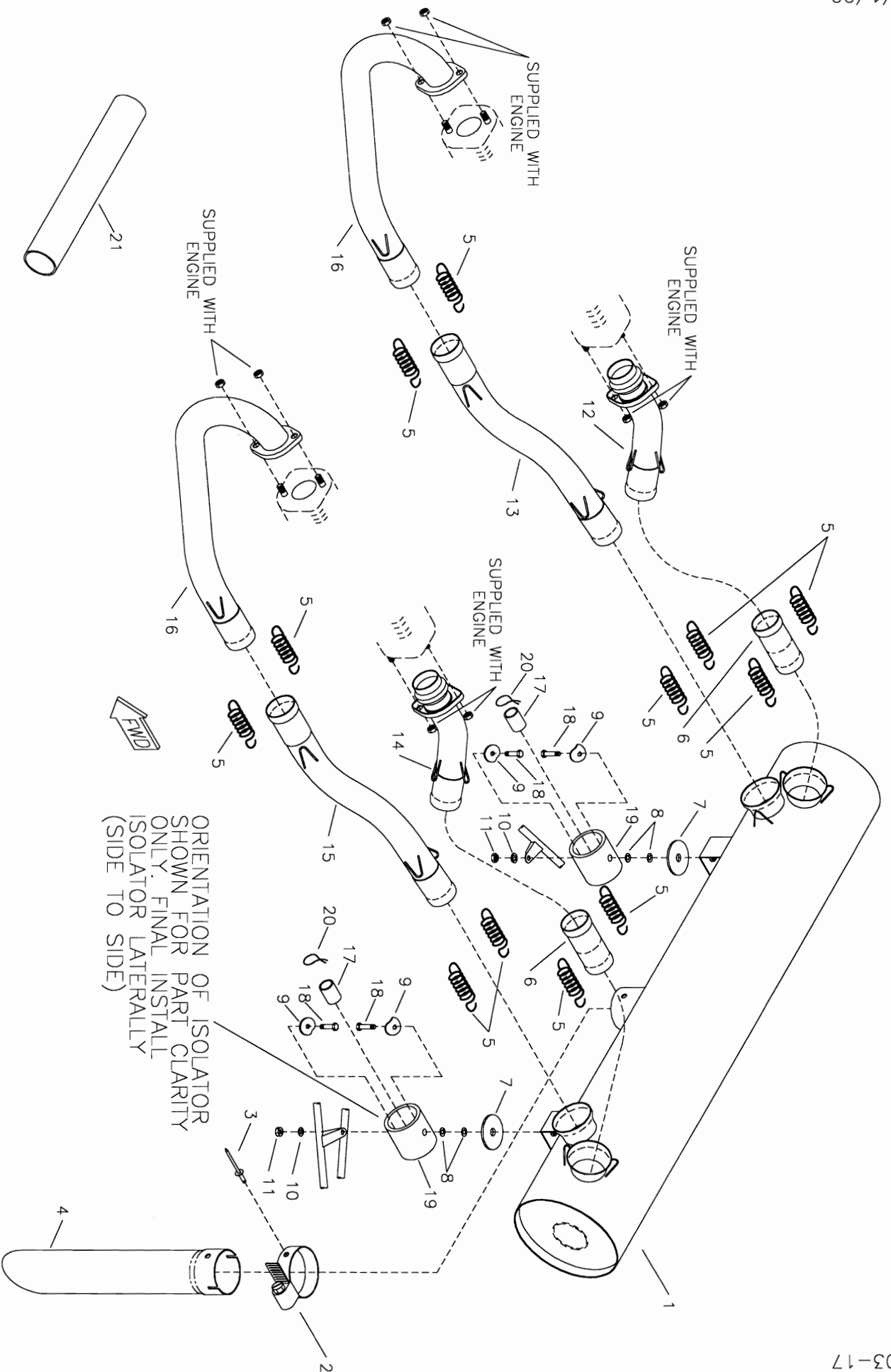
S-7 COURIER - 912 COOLING SYSTEM ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Radiator	EGCS-RAD	1
2.	Pre-Formed Coolant Hose	KSPW0032	1
3.	Hose Clamp, 1 1/2"	5-5216	6
4.	Hose Clamp, 1 3/4"	5-5220	4
5.	3/16" Thick Washer	AN960-10	20
6.	1 1/4" Radiator Hose	KPPW0033	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.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-41	14
17.	1/4" Clear Fuel Line	KSFS0008	2 ft
18.	Fuel Line Clamp, 5/16"	FS-LCL 5/16	2
19.	Safety Wire	SAFETY WIRE	0
20.	Coolant Line, LH	KPPW0016-LH	1
20.	Coolant Line, RH	KPPW0016-RH	1
21.	Coolant Line Cap	KPPW0077	1
22.	#6 Small Pan Head Screw	6RX1/2 PHS	8
23.	Tinnerman	A1789-8Z-1	1
24.	Hose Spring	EGCS-HS	1
25.	#8 Pan Head Screw	8X1/2 PHS	1
26.	Radiator Scoop Bottom	KPPW0015	1
27.	Filler Neck **	-----	0
28.	3/16" Shear Nut	AN364-1032A	4
29.	Serrated Grommet Strip	KSAC0023	1 ft
30.	Pre-Formed Coolant Hose	KSPW0029	1
31.	Conduit Clamp	S1-CC	2
32.	Aluminum Tube, 1/4" x .028 x 12" *	KAAC0034-7	0
33.	Pre-Formed "S" Hose	KSPW0025	2
34.	Foam Tape	KSAC0021	6 ft
35.	90 Aluminum Elbow	EGCS-ALUM-90	1
36.	Radiator Drain Closure	KPPW0025	1
37.	Radiator Scoop Side Plate - LH	KPPW0014-L	1
37.	Radiator Scoop Side Plate - RH	KPPW0014-R	1

*Builder must fabricate from raw stock.

**Supplied with Engine.

***Builder must modify. Refer to text for instructions.



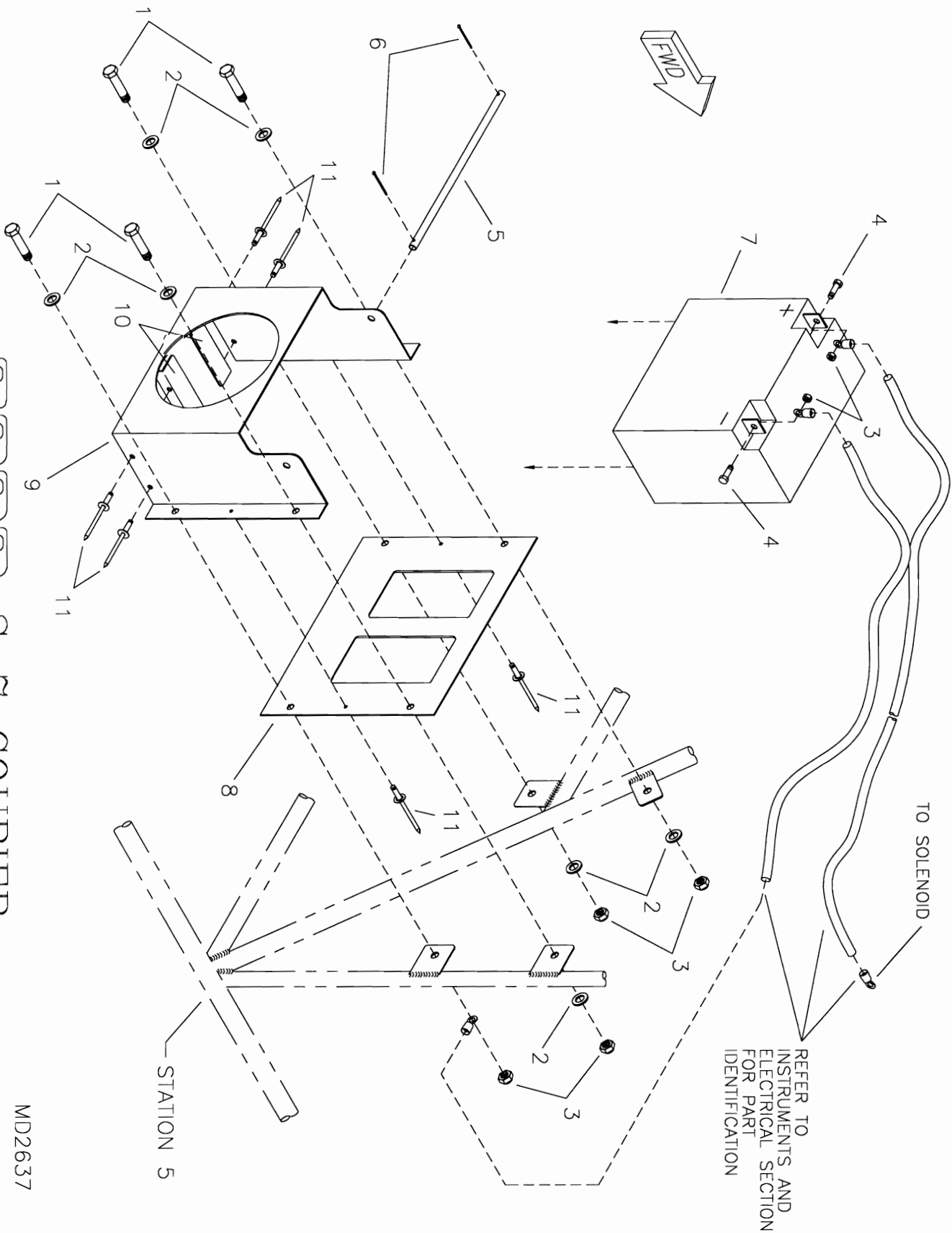
912 **RAMMS S-7 COURIER**
MUFFLER ASSEMBLY AND INSTALLATION

MD2123
REV. A

S-7 COURIER - 912 MUFFLER ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	S-7 912 Muffler	EG7-912-MUF	1
2 .	Hose Clamp, 1 3/4"	5-5220	1
3 .	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	1
4 .	Muffler Extension	EG7-912-MEXT	1
5 .	Muffler Spring - 912	938-790	12
6 .	Muffler Caninster Coupler	KPEX0026	2
7 .	Aluminum Washer	EG-AW	2
8 .	1/4" Thick Washer	AN960-416	6
9 .	Formed Washer	KPAC0053	4
10 .	1/4" Loc Washer	AN935-416L	2
11 .	6MM Nut	6MM HEX NUT	2
12 .	AFT Muffler Manifold, RH	KPEX0037	1
13 .	FWD Muffler Manifold #2, RH	KPEX0035	1
14 .	AFT Muffler Manifold, LH	KPEX0036	1
15 .	FWD Muffler Manifold #2, LH	KPEX0033	1
16 .	FWD Muffler Manifold #1	KPEX0032	2
17 .	Rubber Hose, 3/4" O.D. x 1 3/8" *	KAAC0017-1	0
18 .	6MM Bolt	6MMX20MM	4
19 .	Rubber Hose, 1 1/4" O.D. x 1 3/8" *	KAAC0017-2	0
20 .	Safety Wire	SAFETY WIRE	0
21 .	912 Muffler Raw Stock Kit	KAAC0017	1

*Builder must fabricate from raw stock.

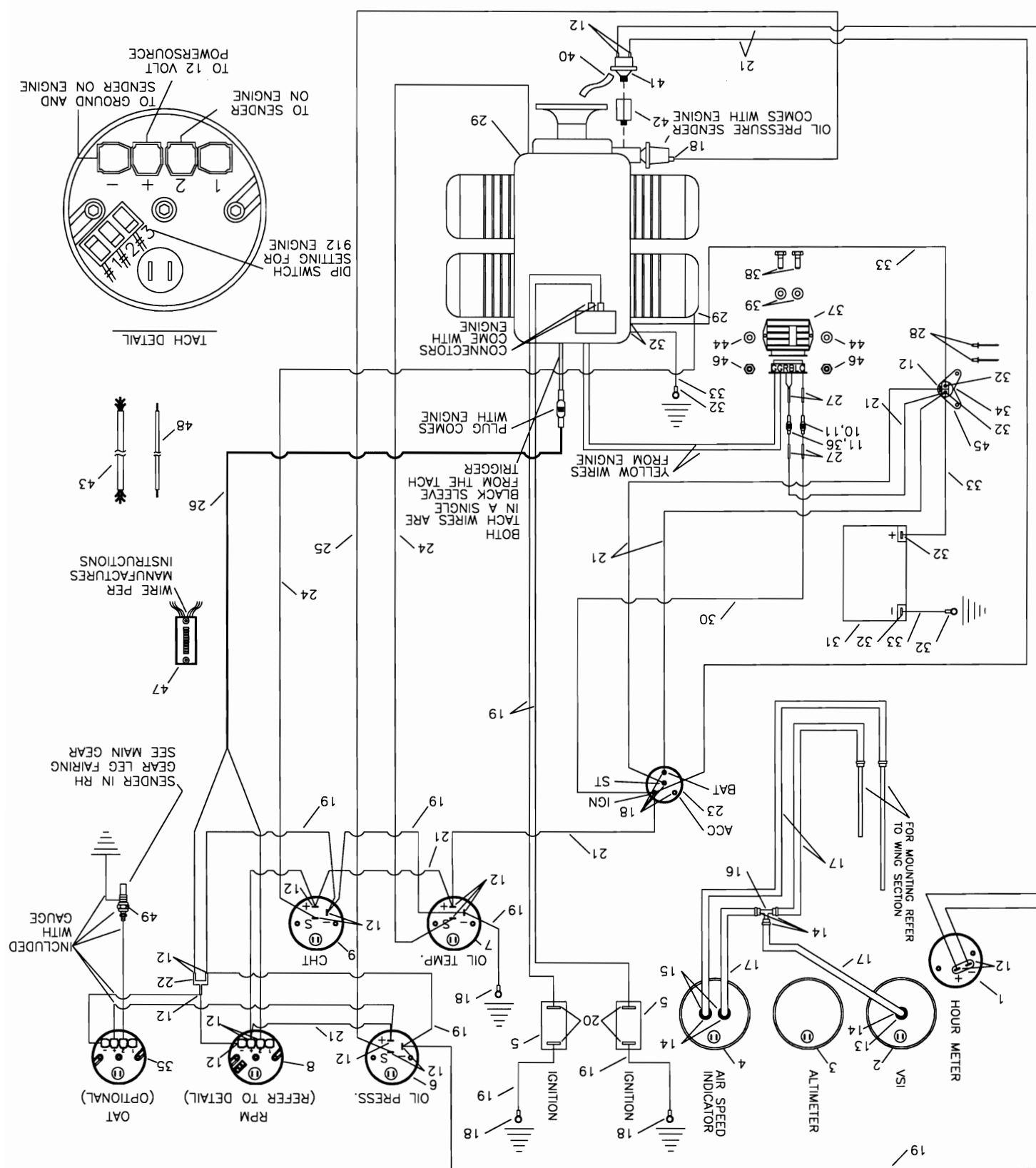


R3A1 S-7 COURIER 912 BATTERY BOX ASSEMBLY AND INSTALLATION

MD2637

S-7 COURIER - 912 BATTERY BOX ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	3/16" Bolt	AN3-4A	4
2 .	3/16" Thin Washer	AN960-10L	7
3 .	3/16" Shear Nut	AN364-1032A	6
4 .	3/16" Bolt	AN3-3A	2
5 .	Battery Bar	BAT-BAR-503/582	1
6 .	Small Cotter Pin	MS24665-134	2
7 .	Battery	PS12150-NB	1
8 .	Battery Box Mount Plate	BAT-BOX-2	1
9 .	Battery Box Side Plate	BAT-BOX-1	1
10 .	Battery Box Support Angle	BAT-BOX-3	2
11 .	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	6



S-7 COURIER - 912/912S INSTRUMENTS & ELECTRICAL**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
3.	Altimeter *	KSAV0001	1
4.	Air Speed Indicator, 0-150 *	KSAV0005	1
5.	Ignition Switch	MS35058-22	2
6.	Oil Pressure Gauge	KSPW0019	1
7.	Oil Temperature Gauge **	KSPW0017	1
8.	RPM Gauge	KSPW0028	1
9.	Cylinder Head Temperature Gauge **	KSPW0017	1
10.	25 AMP Fuse	KSES0020-25	1
11.	14 Gauge, In Line Fuse Holder	KSES0019	2
12.	14 Gauge Female Spade Terminal, Blue	IP-7128	20
13.	90 Withdrawal Fitting	8342	1
14.	Line Clamp, 3/8"	FS-LCL 3/8	6
15.	Straight Withdrawal Fitting	8330	2
16.	Line Tee	8338	1
17.	1/4" Blue Fuel Line	FS-FL	26 ft
18.	14 Gauge Eye Terminal, Blue 3/16"	IP-7102	8
19.	14 Gauge Black Wire	14 GA WIRE/BLACK	26 ft
20.	14 Gauge Eye Terminal, Blue 5/32"	KSES0003	4
21.	14 Gauge Red Wire	14 GA WIRE/RED	30 ft
22.	Terminal Y Connector, Brass	IP-YC	1
23.	Key Start Switch	25-6	1
24.	14 Gauge Yellow Wire	14 GA WIRE/YELLOW	15 ft
25.	14 Gauge White Wire	14 GA WIRE/WHITE	15 ft
26.	2 Plex 20 Gauge Wire	62181-DELL	5 ft
27.	14 Gauge Splice, Butt Connector	IP-7132	4
28.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-64	2
29.	550B Spade Terminal	550B SPADE TERM	4
30.	14 Gauge Green Wire	14 GA WIRE/GREEN	15 ft
31.	Battery, 912 ***	PS12260-NB	0
32.	4 Gauge Eye Cable Terminal	4 GA CABLE LUG	8
33.	4 Gauge Battery Cable, Black Wire	4 GA WIRE/BLACK	20 ft
34.	14 Gauge Eye Terminal, Blue 1/4"	1/4 EYE 14 GA	3
35.	Outside Air Temperature Gauge Kit *	KSIP0009	1
36.	30 AMP Fuse	KSES0020-30	1
37.	Regulator/Rectifier ****	-----	0
38.	3/16" Bolt	AN3-5A	2
39.	3/16" Thin Washer	AN960-10L	2
40.	Teflon Tape *****	TEFLON TAPE	0
41.	Oil Pressure Switch	KSES0004	1
42.	Steel Nipple Fitting	KSPW0062	1
43.	5 Wire Bundle 26 Gauge, White Wire	KSES0022	317 in
44.	3/16" Large Washer	AN970-3	2

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

Referenced from 912 battery box installation. *Supplied with engine.

*****Builder Supplies. *****Reference Mac Servo Kit.

S-7 COURIER - 912/912S INSTRUMENTS & ELECTRICAL (CONTINUED)

PAGE 004-05

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

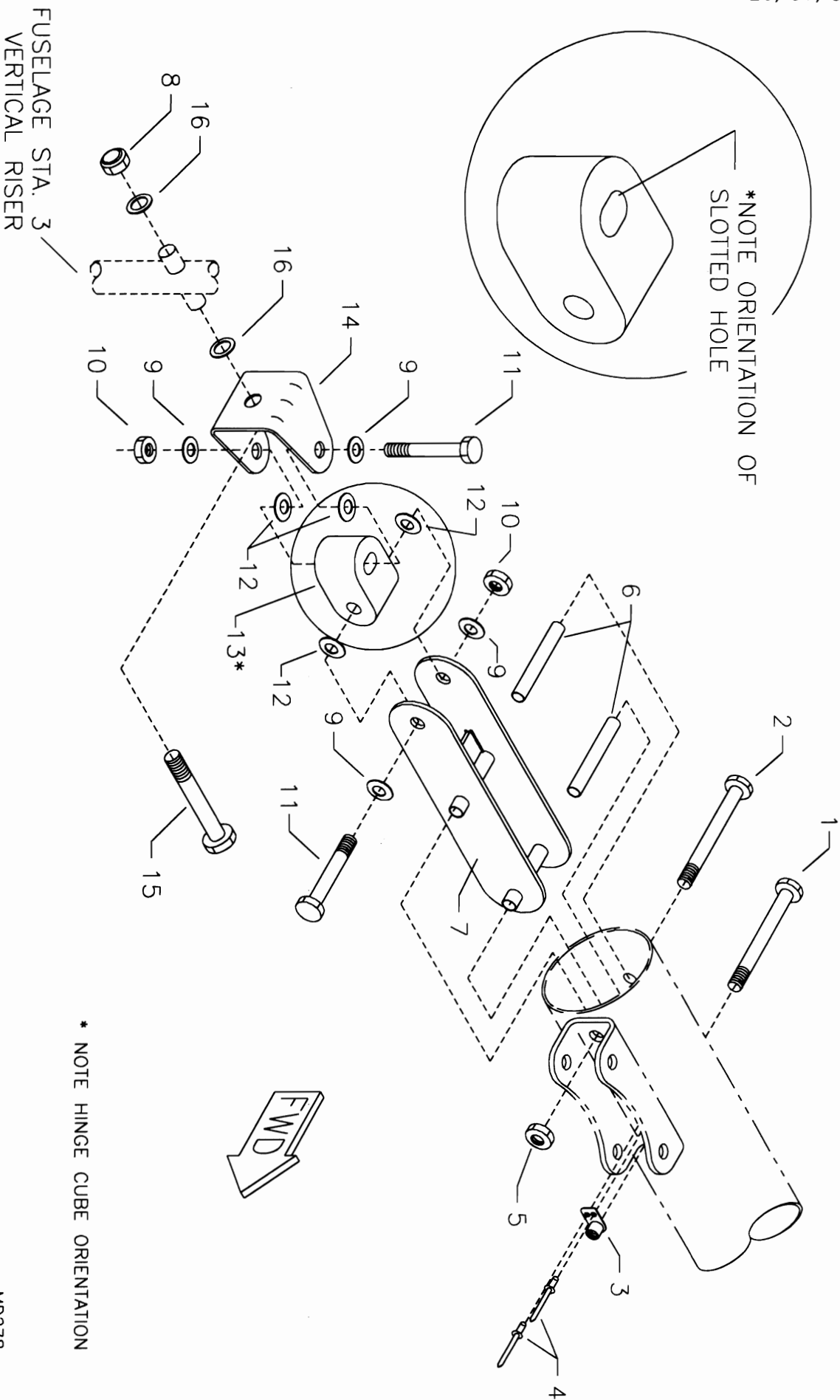
#	DESCRIPTION	PART NUMBER	QUANTITY
45.	Solenoid ****	----	0
46.	3/16" Shear Nut	AN364-1032A	2
47.	Trim Position Indicator *****	----	1
48.	20 Gauge, White Wire	KSES0021	430 in
49.	3/8" Eye Terminal*	31897	1

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

Referenced from 912 battery box installation. *Supplied with engine.

*****Builder Supplies. *****Reference Mac Servo Kit.

11/26/2001



RRM S-7 COURIER WING: UNIVERSAL HINGE

MD278
REV. A

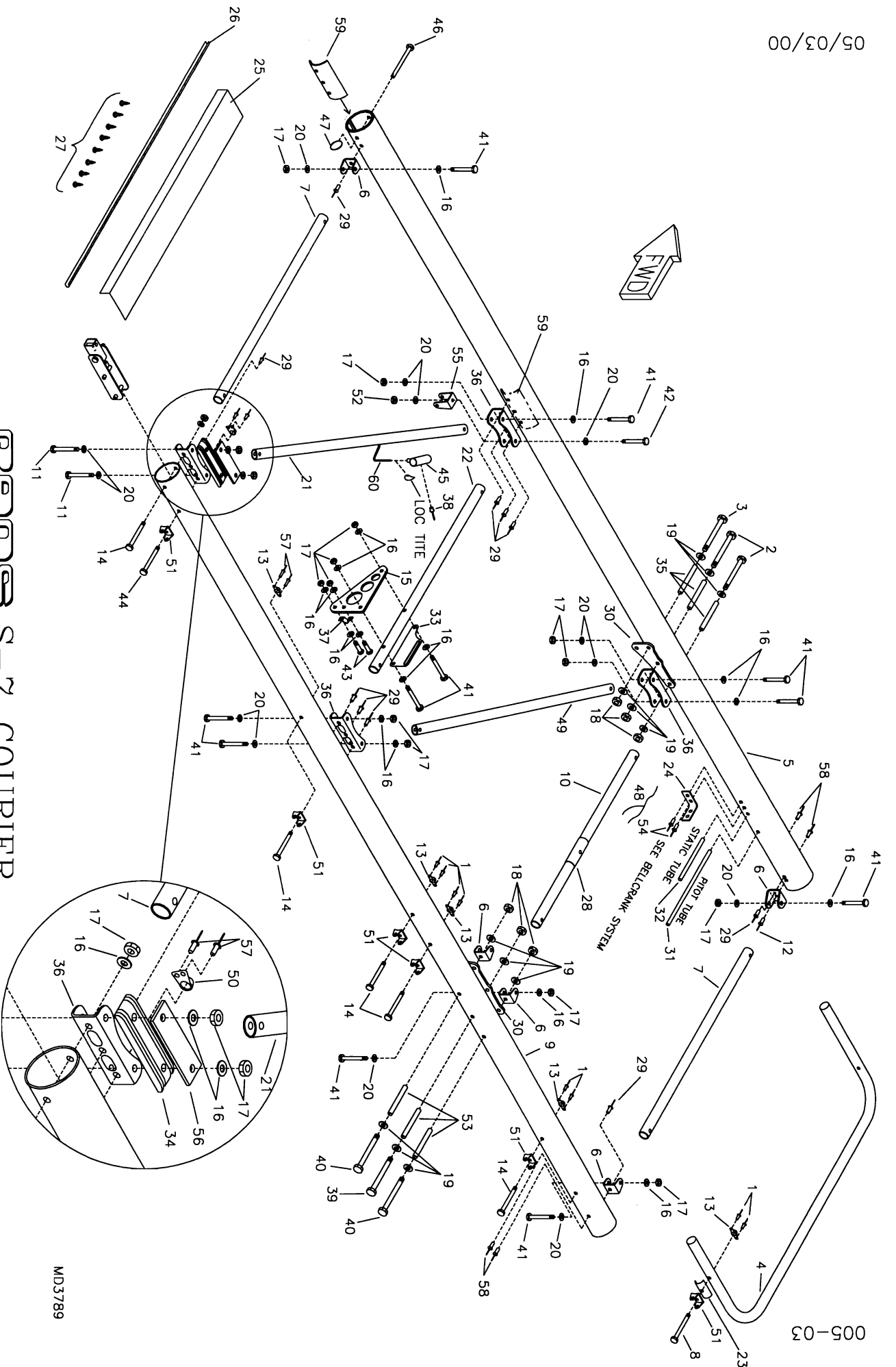
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt **	AN3-24A	0
2.	3/16" Bolt **	AN3-23A	0
3.	3/16" Single Ear Nut Plate **	MS21086L3	0
4.	3/32" Aluminum Pop Rivet **	40APR1/4	0
5.	3/16" Shear Nut **	AN364-1032A	0
6.	Aluminum Bushing, 1/4" x .028" x 1 7/8" *	KAAC0034-7	0
7.	Trailing Edge Spar Root Fitting	W-TES-RF	2
8.	5/16" Tensile Nut ***	AN365-524A	2
9.	1/4" Thick Washer	AN960-416	8
10.	1/4" Shear Nut	AN364-428A	4
11.	1/4" Bolt	AN4-16A	4
12.	1/4" Thin Washer	AN960-416L	8
13.	Hinge Cube	KPWI0520	2
14.	Stainless Steel U Bracket ***	SU-118	2
15.	5/16" Bolt ***	AN5-16A	2
16.	5/16" Thick Washer ***	AN960-516	4

*Builder must fabricate from raw stock.

**Referenced from Wing - Main Structure.

***Installed on fuselage post covering and painting.

12/10/2007



REFINED S-7 COURIER
WING-MAIN STRUCTURE

S-7 COURIER - WING - MAIN STRUCTURE

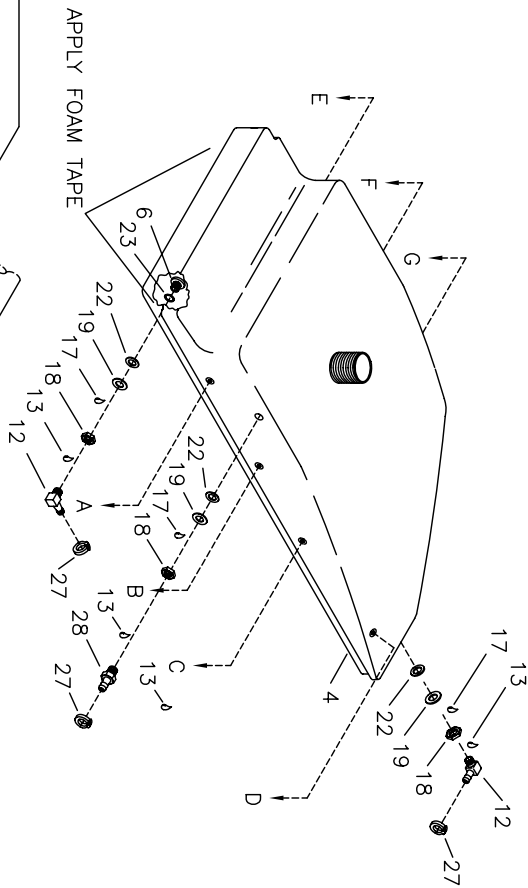
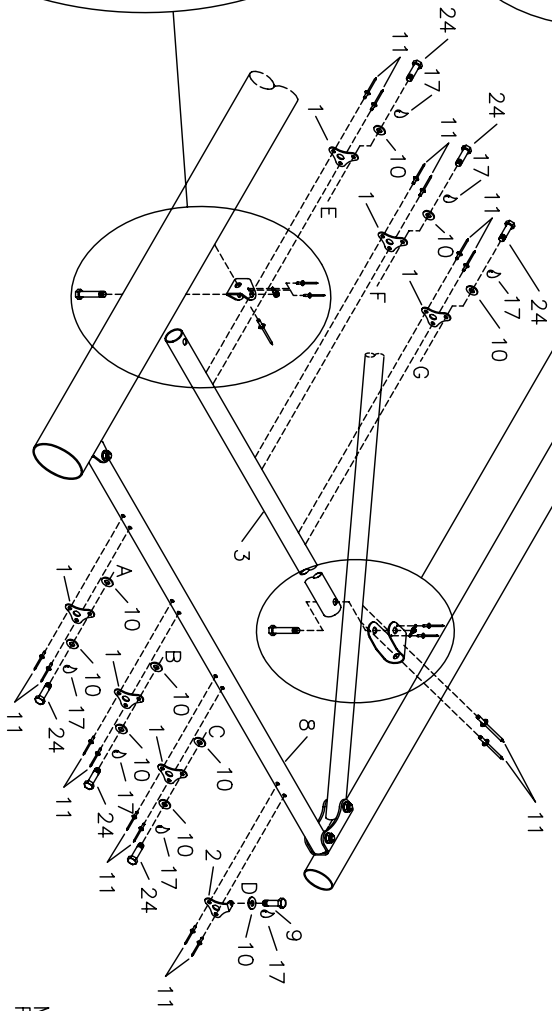
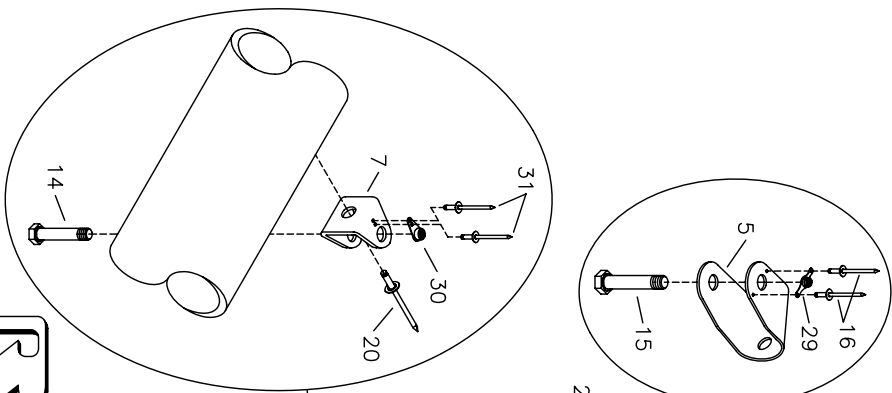
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/32" Aluminum Pop Rivet	40APR1/8	18
2.	1/4" Bolt	AN4-36A	4
3.	1/4" Bolt	AN4-35A	2
4.	Tip Bow	KPWI0205	2
5.	Leading Edge Spar - LH	KPWI0193-L	1
5.	Leading Edge Spar - RH	KPWI0193-R	1
6.	Horizontal Stabilizer Attach Bracket	S2-SAB	10
7.	Inner/Outer Compression Tube	WC-IO	4
8.	3/16" Bolt	AN3-13A	2
9.	Trailing Edge Spar	KPWI0194	2
10.	Compression Tube	WC-M2-B	2
11.	3/16" Bolt	AN3-20A	4
12.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	2
13.	3/16" Nut Plate	K-1000-3	10
14.	3/16" Bolt	AN3-23A	10
15.	Elevator Horn	TG-EH	2
16.	3/16" Thin Washer	AN960-10L	40
17.	3/16" Shear Nut	AN364-1032A	32
18.	1/4" Shear Nut	AN364-428A	12
19.	1/4" Thin Washer	AN960-416L	24
20.	3/16" Thick Washer	AN960-10	26
21.	Drag Brace	W-DB-1	2
22.	Compression Tube	WC-M1	2
23.	Hinge Shim	KPAC0110	2
24.	Attach Tang	U-ST001	1
25.	Bottom Gap Seal, LH	KPWI0256-L	1
25.	Bottom Gap Seal, RH	KPWI0256-R	1
26.	Foam Seal Strip	FS-3/16X3/8	1 rls
27.	#6 Small Pan Head Screw	6RX1/2 PHS	18
28.	1 1/8" Compression Tube Doubler	S7-CS-CTD	2
29.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	20
30.	Strut Attach Plate	W-SAP	4
31.	Pitot Tube	PITOT TUBE	1
32.	Static Tube	W-ST	1
33.	Outer Cable Guide	S7-CS-OCG	2
34.	Aileron Cable Rub Block - LH	KPCS0091-L	1
34.	Aileron Cable Rub Block - RH	KPCS0091-R	1
35.	Bushing, 3/8" x 3"	SB-3/8X3	6
36.	Long Wing Channel	W-WCL	8
37.	Teleflex Retainer Bracket	KSCS0001	2
38.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	2
39.	1/4" Bolt	AN4-25A	2
40.	1/4" Bolt	AN4-26A	4
41.	3/16" Bolt	AN3-15A	22

S-7 COURIER - WING - MAIN STRUCTURE CONTINUED

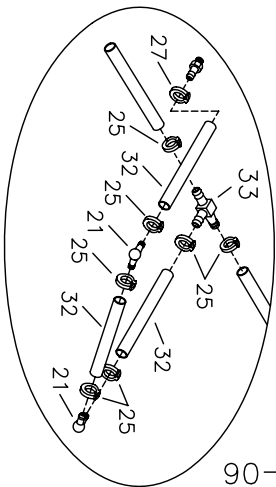
#	DESCRIPTION	PART NUMBER	QUANTITY
42 .	3/16" Bolt	AN3-16A	2
43 .	3/16" Bolt	AN3-5A	4
44 .	3/16" Bolt	AN3-24A	2
45 .	Door Up Catch Socket	D-UCS	2
46 .	3/8" Clevis Pin	MS20392-5C97	2
47 .	Loc Ring	RL 27 1/4	2
48 .	Safety Wire	SAFETY WIRE	0
49 .	Drag Brace	W-DB-2	2
50 .	3/16" Single Ear Nut Plate	MS21086-3	2
51 .	Stainless Steel Hinge	W-HB	12
52 .	3/16" Tensile Nut	AN365-1032A	2
53 .	Bushing, 3/8" x 2"	SB-3/8X2	6
54 .	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	2
55 .	Jury Strut Bracket	JS-BK	2
56 .	Top Plate - Rub Block	KPCS0092	2
57 .	3/32" Aluminum Pop Rivet	40APR1/4	6
58 .	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-62	8
59 .	Leading Edge Spar Doubler	KPWI0264	2
60 .	Door Up Catch	KPDR0044	2

RRRMS-7 COURIER – WING FUEL TANK INSTALLATION

MD2358
REV. A



FUEL SIGHT
GAUGE DETAIL



#	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	KPFS0002	2
4.	Fuel Tank, LH	KPFS0005-L	1
4.	Fuel Tank, RH	KPFS0005-R	1
5.	U Bracket	KPAC0055	2
6.	Tank Withdrawal Fitting	KPFS0017	6
7.	Attach Bracket	S2-SAB	2
8.	Inner Compression Tube *	WC-IO	0
9.	3/16" Bolt	AN3-3A	2
10.	3/16" Thick Washer	AN960-10	22
11.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	32
12.	90 Withdrawal Fitting	8342	4
13.	Thread Sealant **	KSAC0014	0
14.	3/16" Bolt	AN3-15A	2
15.	3/16" Bolt	AN3-14A	2
16.	3/32" Aluminum Pop Rivet	40APR1/8	4
17.	Loctite Blue	LOC-TITE	0
18.	Nut-Flared Tube Bulkhead	AN924-5D	6
19.	1/2" Thick Washer	AN960-816	6
20.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	2
21.	1/4" x 1/4" 90 Fitting	7-11044	4
22.	Rubber Washer	KSFS0010	6
23.	O-Ring	KSFS0009	6
24.	3/16" Bolt	AN3-4A	12
25.	Fuel Line Hose Clamp, 5/16"	FS-LCL 5/16	12
26.	1/4" Blue Fuel Line	FS-FL	13 ft
27.	Fuel Line Hose Clamp, 3/8"	FS-LCL 3/8	12
28.	Straight Withdrawal Fitting	8330	2
29.	3/16" Nut Plate	K-1000-3	2
30.	3/16" Single Ear Nut Plate	MS21051-L3	2
31.	3/32" Aluminum Pop Rivet	40APR1/4	4
32.	1/4" Clear Fuel Line	KSFS0008	3 ft
33.	1/4" Tee	8338	2

*Referenced from Wing - Main Structure.

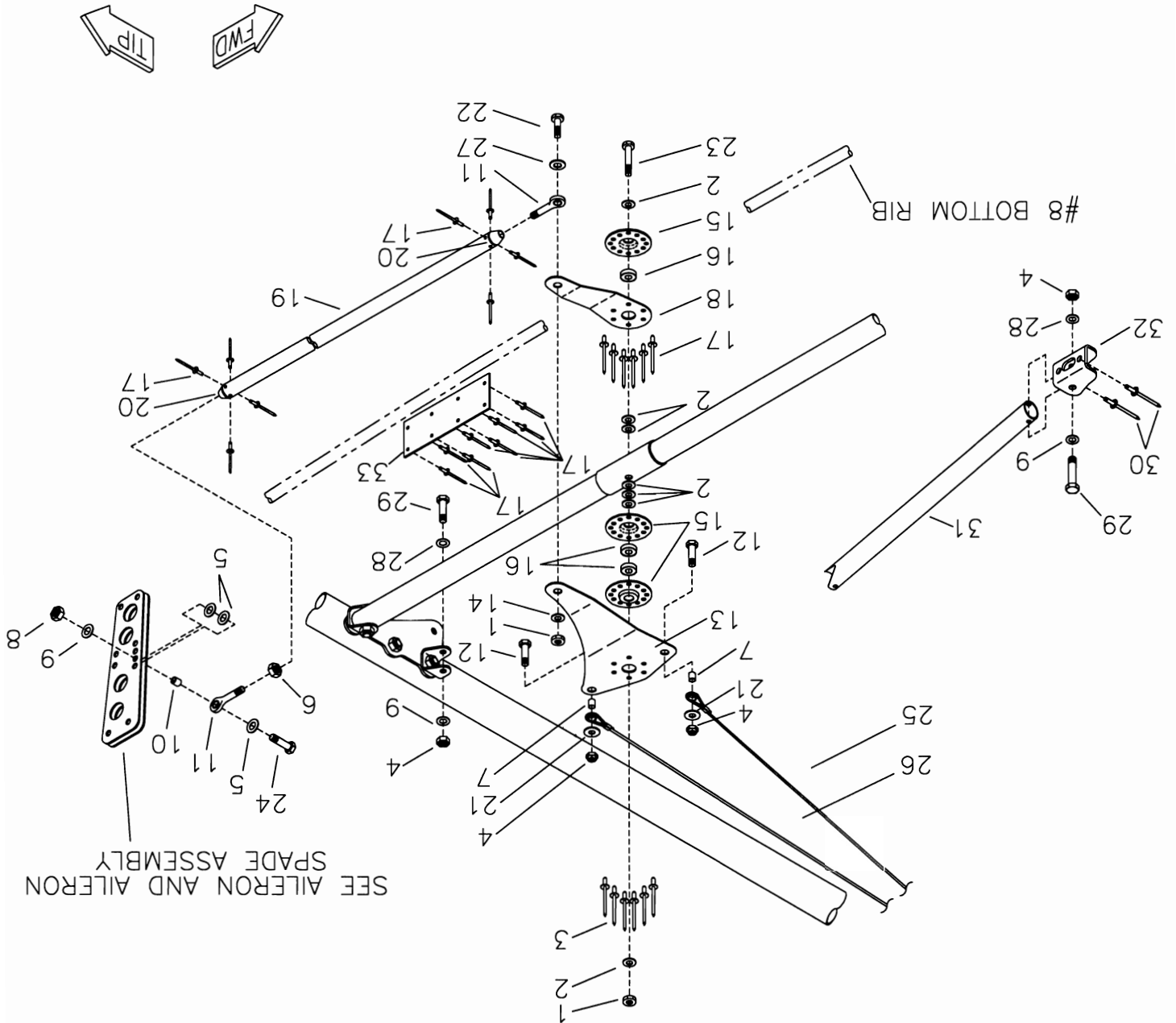
**Thread Sealant (builder provides) is recommended but Loctite Blue can also be used.

5/24/2007

RRMS S-7 COURIER WING BELLCRANK SYSTEM

NOTE: LEFT SIDE OF SYSTEM SHOWN

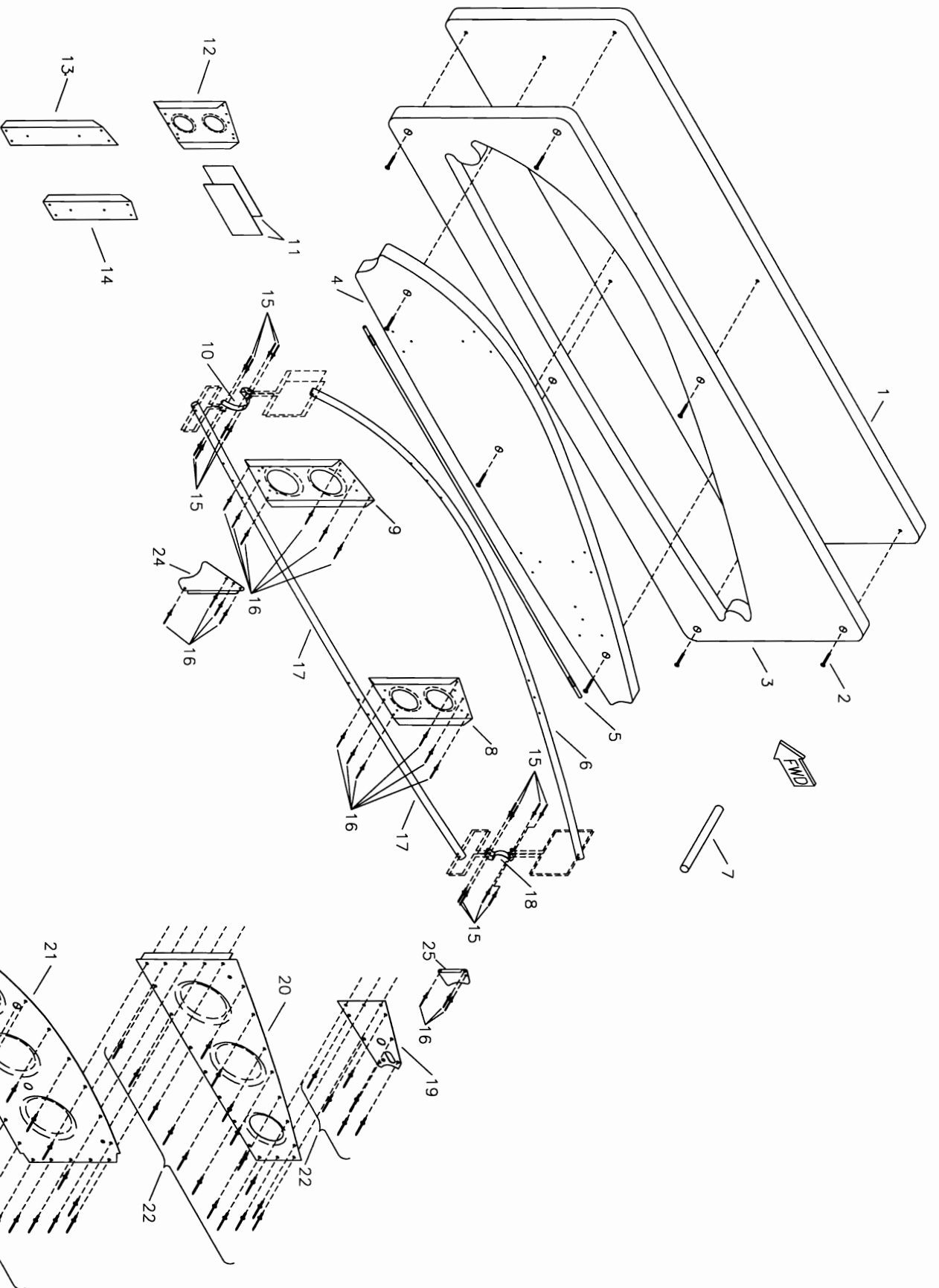
MD736



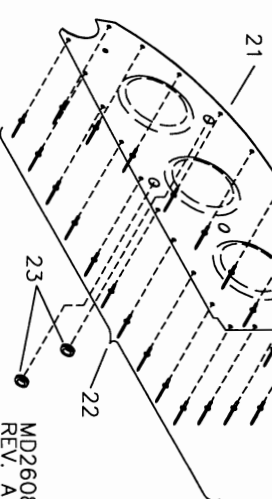
S-7 COURIER - WING BELLCRANK SYSTEM

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Shear Nut	AN364-428A	4
2.	1/4" Thick Washer	AN960-416	14
3.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	12
4.	3/16" Shear Nut	AN364-1032A	8
5.	3/16" Plastic Washer	PW-3	6
6.	1/4" Plain Nut	AN345-416	2
7.	Stainless Steel Bushing, 1/4" x .028 x 1/4" *	KAAC0034-8	0
8.	3/16" Shear Acorn Nut	22NKM02	2
9.	3/16" Thick Washer	AN960-10	6
10.	Aluminum Bushing, 1/4" x .028 x 3/8" *	KAAC0034-7	0
11.	Male Rod End, 1/4" x 1/4"	NM-4	4
12.	3/16" Bolt	AN3-5A	4
13.	Upper Bellcrank	CS-UBELL-L	1
13.	Upper Bellcrank	CS-UBELL-R	1
14.	1/4" Thin Washer	AN960-416L	2
15.	Bearing Flange	BR-FLNG	6
16.	Bearing	SR4APP	6
17.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	36
18.	Lower Bellcrank	CS-LBELL	2
19.	Push Pull Tube	S7-CS-PPT	2
20.	Push Pull Tube End Fitting	CS-3/4PTEF	4
21.	3/16" Large Washer	AN970-3	4
22.	1/4" Bolt	AN4-10A	2
23.	1/4" Bolt	AN4-26A	2
24.	3/16" Bolt	AN3-11A	2
25.	Forward Aileron Cable	AIL-CAB-B	2
26.	Aileron Cable Link	AIL-LINK-CAB	2
27.	1/4" Large Washer	AN970-4	2
28.	3/16" Thin Washer	AN960-10L	4
29.	3/16" Bolt	AN3-15A	4
30.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	4
31.	1" Brace Tube - Bellcrank	KPW10209	2
32.	Long Wing Channel **	W-WCL	2
33.	Rib Brace, 1 5/8" x .040 x 4 1/4" *	KAAC0034-11	0

*Builder must fabricate from raw stock.



RRM S-7 COURIER WING RIB ASSEMBLY AND JIG



MD2608
REV. A

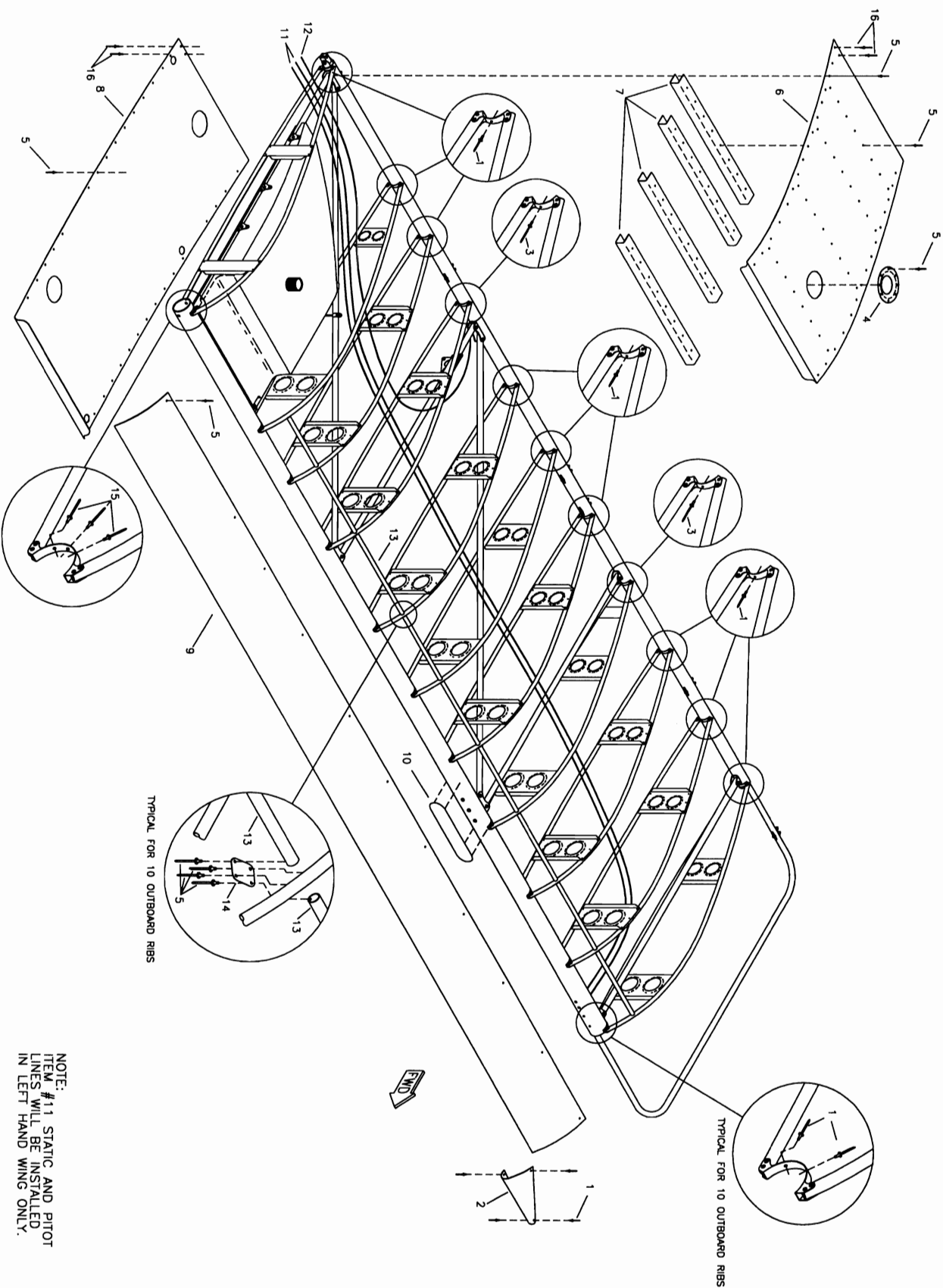
S-7 COURIER - WING RIB ASSEMBLY & JIG

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Jig Backing Plate *	JIG PLATE	0
2 .	Wood Screw	KSHW0046	9
3 .	Outer Jig - Wing Rib	KPWI0225	1
4 .	Inner Jig - Wing Rib	KPWI0224	1
5 .	1/8" Stainless Steel Wire	KAAC0034-2	0
6 .	Upper Rib - Wing	KPWI0195	22
7 .	Wooden Dowel **	DOWEL	0
8 .	AFT Channel - Wing Rib - RH	KPWI0211-R	9
8 .	AFT Channel - Wing Rib - LH	KPWI0211-L	9
9 .	Forward Channel - Wing Rib - RH	KPWI0210-R	10
9 .	Forward Channel - Wing Rib - LH	KPWI0210-L	10
10 .	Rib Clip - Leading Edge	KPWI0214	22
11 .	Rib Gusset, 2" x .040 x 4" ***	KAAC0034-11	2
12 .	AFT Channel - Wing Rib #2 - RH	KPWI0222-R	1
12 .	AFT Channel - Wing Rib #2 - LH	KPWI0222-L	1
13 .	Forward Channel - Root Rib - RH	KPWI0216-R	1
13 .	Forward Channel - Root Rib - LH	KPWI0216-L	1
14 .	AFT Channel - Root Rib - RH	KPWI0218-R	1
14 .	AFT Channel - Root Rib - LH	KPWI0218-L	1
15 .	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	352
16 .	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-41	430
17 .	Lower Rib - Wing	KPWI0196	22
18 .	Rib Clip - Trailing Edge	KPWI0215	22
19 .	Root Rib Access Panel - Wing - RH	KPWI0221-R	1
19 .	Root Rib Access Panel - Wing - LH	KPWI0221-L	1
20 .	AFT Root Rib Skin - Wing - RH	KPWI0220-R	1
20 .	AFT Root Rib Skin - Wing - LH	KPWI0220-L	1
21 .	Forward Root Rib Skin - Wing - RH	KPWI0219-R	1
21 .	Forward Root Rib Skin - Wing - LH	KPWI0219-L	1
22 .	1/8" Aluminum Pop Rivet - Avex	1691-0410	96
23 .	Rubber Grommet	MS35489-11	4
24 .	Rib Stiffener, FWD - RH	KPWI0284-R	10
24 .	Rib Stiffener, FWD - LH	KPWI0284-L	10
25 .	Rib Stiffener, AFT - RH	KPWI0283-R	10
25 .	Rib Stiffener, AFT - LH	KPWI0283-L	10

*Builder fabricates from 3/8" crate material. Refer to text for instructions.

**Builder supplies.

***Builder must fabricate from raw stock.



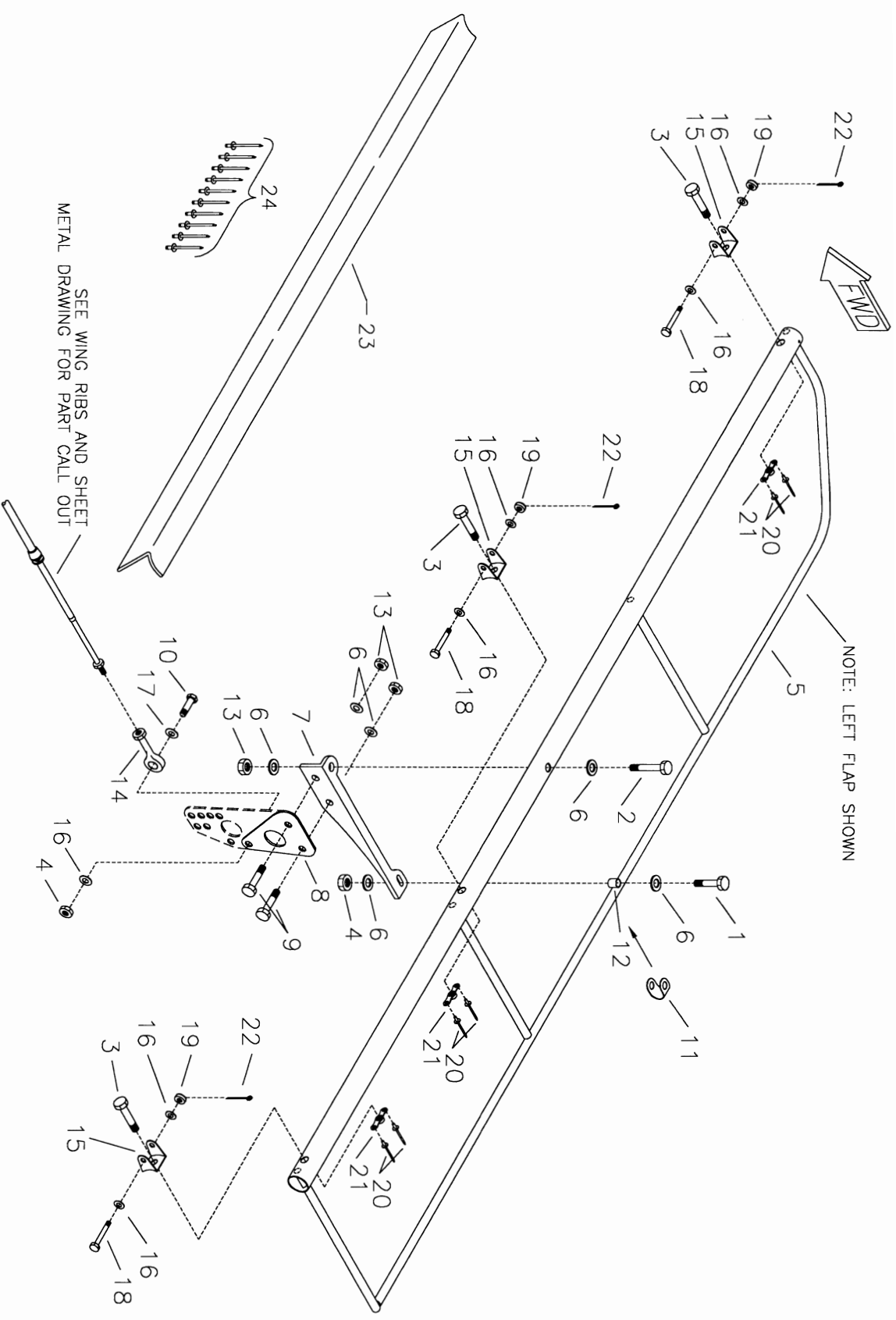
MD3847

S-7 COURIER WING RIBS AND SHEET METAL

S-7 COURIER - WING RIBS & SHEET METAL

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	66
2.	Leading Edge Tip Wrap	W-LE-TW-A	2
3.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-44	8
4.	Upper Root Skin Scupper - Wing	KPWI0206	2
5.	1/8" Aluminum Pop Rivet - Avex	1691-0410	320
6.	Upper Root Skin - Wing - RH	KPWI0203-R	1
6.	Upper Root Skin - Wing - LH	KPWI0203-L	1
7.	Root Skin Stiffener - Wing	KPWI0207	8
8.	Lower Root Skin - Wing - RH	KPWI0204-R	1
8.	Lower Root Skin - Wing - LH	KPWI0204-L	1
9.	Leading Edge Wrap	W-LE-W	2
10.	Bolt Cover	KPWI0208	2
11.	Pitot/Static Line, Blue	FS-FL	40 ft
12.	Flap Teleflex - 16'	KSCS0017	2
13.	Aluminum Support Tubes, 1/2" x .028 x X *	KAAC0034-6	0
14.	Gusset	KPWI0255	20
15.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-44	6
16.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	8

*Builder must fabricate from raw stock.



R3000 S-7 COURIER FLAP FRAME ASSEMBLY

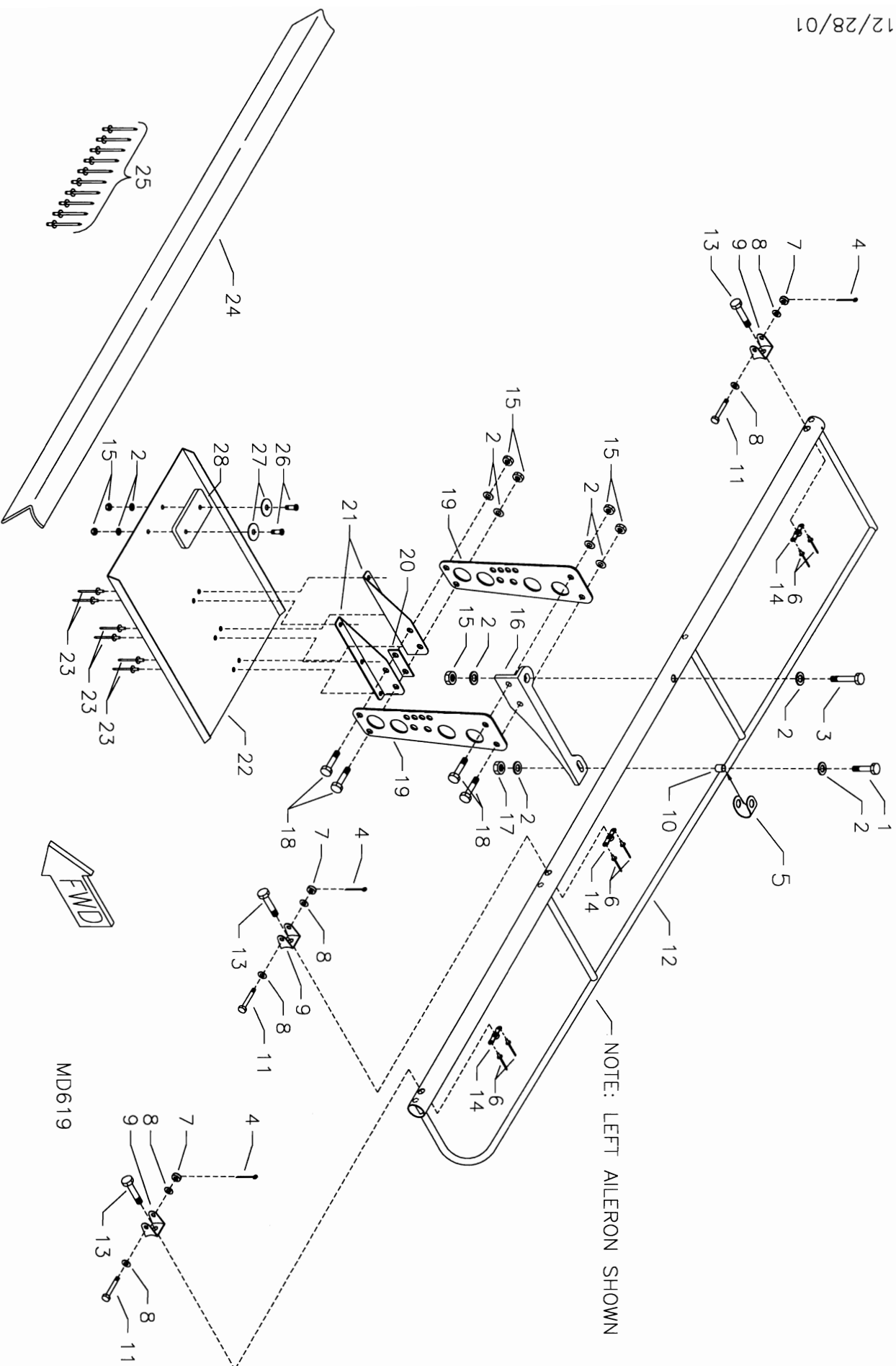
MD2612

S-7 COURIER - FLAP FRAME ASSEMBLY

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-10A	2
2.	3/16" Bolt	AN3-14A	2
3.	3/16" Bolt	AN3-13A	6
4.	3/16" Shear Acorn Nut	22NKM02	4
5.	Flap Frame	W-FAF	2
6.	3/16" Thin Washer	AN960-10L	12
7.	Flap Horn Attach Angle, LH	W-FHAA-LH	1
7.	Flap Horn Attach Angle, RH	W-FHAA-RH	1
8.	Unihorn **	UNI-HORN	2
9.	3/16" Bolt	AN3-4A	4
10.	3/16" Bolt	AN3-7A	2
11.	Aileron Clip	W-A-CLIP	2
12.	Aluminum Bushing, 1/4" x .028 x 1/2" *	KAAC0034-7	0
13.	3/16" Shear Nut	AN364-1032A	6
14.	Female Rod End	NF-3	2
15.	Stainless Steel Hinge	W-HB	6
16.	3/16" Thick Washer	AN960-10	14
17.	3/16" Plastic Washer	PW-3	2
18.	3/16" Bolt	AN3-15	6
19.	3/16" Castle Nut	AN310-3	6
20.	3/32" Aluminum Pop Rivet	40APR1/8	12
21.	3/16" Nut Plate	K-1000-3	6
22.	Small Cotter Pin	MS24665-134	6
23.	Gap Seal	GAP-2	3
24.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-44	40

*Builder must fabricate from raw stock.

**Builder must modify. Refer to text for instructions.



RRR S-7 COURIER AILERON FRAME & SPADE ASSEMBLY

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-10A	2
2.	3/16" Thin Washer	AN960-10L	20
3.	3/16" Bolt	AN3-14A	2
4.	Small Cotter Pin	MS24665-134	6
5.	Aileron Clip	W-A-CLIP	2
6.	3/32" Aluminum Pop Rivet	40APR1/8	12
7.	3/16" Castle Nut	AN310-3	6
8.	3/16" Thick Washer	AN960-10	12
9.	Stainless Steel Hinge	W-HB	6
10.	Aluminum Bushing, 1/4" x .028 x 1/2" *	KAAC0034-7	0
11.	3/16" Bolt	AN3-15	6
12.	Aileron Frame	W-AIL-T	2
13.	3/16" Bolt	AN3-13A	6
14.	3/16" Nut Plate	K-1000-3	6
15.	3/16" Shear Nut	AN364-1032A	14
16.	Aileron Attach Angle, RH	W-AHAA-R	1
16.	Aileron Attach Angle, LH	W-AHAA-L	1
17.	3/16" Shear Acorn Nut	22NKM02	2
18.	3/16" Bolt	AN3-5A	8
19.	Aileron Horn	W-A-HORN	4
20.	Spade Shim	W-SPADE-SHIM	2
21.	Spade Attach Angles - LH	W-SPADE-ATL	2
21.	Spade Attach Angles - RH	W-SPADE-ATR	2
22.	Spade	W-SPADE	2
23.	1/8" Stainless Steel Pop Rivet- Cherry Q	CCPQ-42	12
24.	Gap Seal	GAP-2	2
25.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-44	30
26.	3/16" Truss Head Screw	AN526-C1032R12	4
27.	3/16" Large Washer	AN970-3	4
28.	1/4" Lead Weight **	-----	0

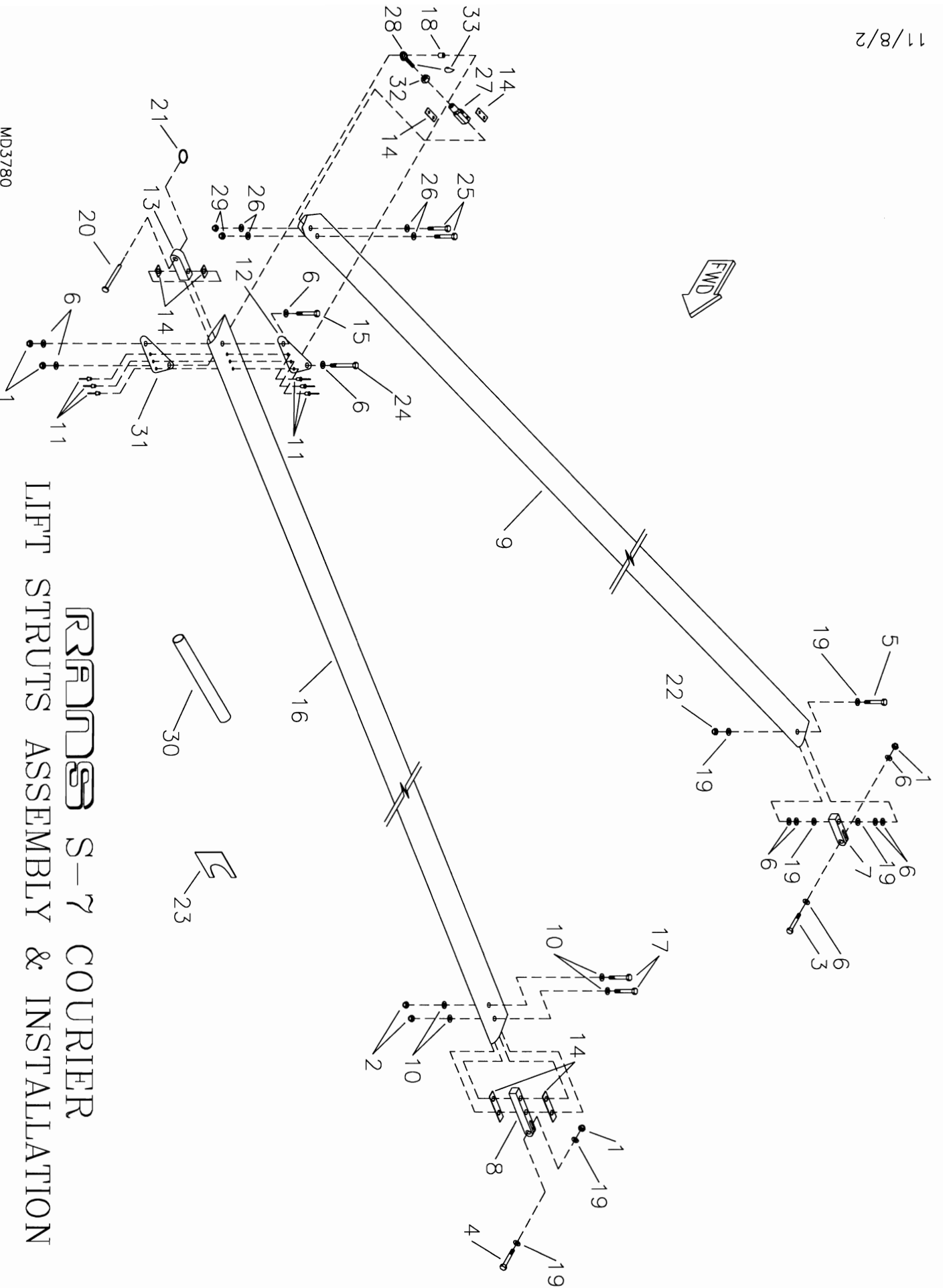
*Builder must fabricate from raw stock.

**Builder Supplied

12/28/2001

MD3780

REAR S-7 COURIER LIFT STRUTS ASSEMBLY & INSTALLATION

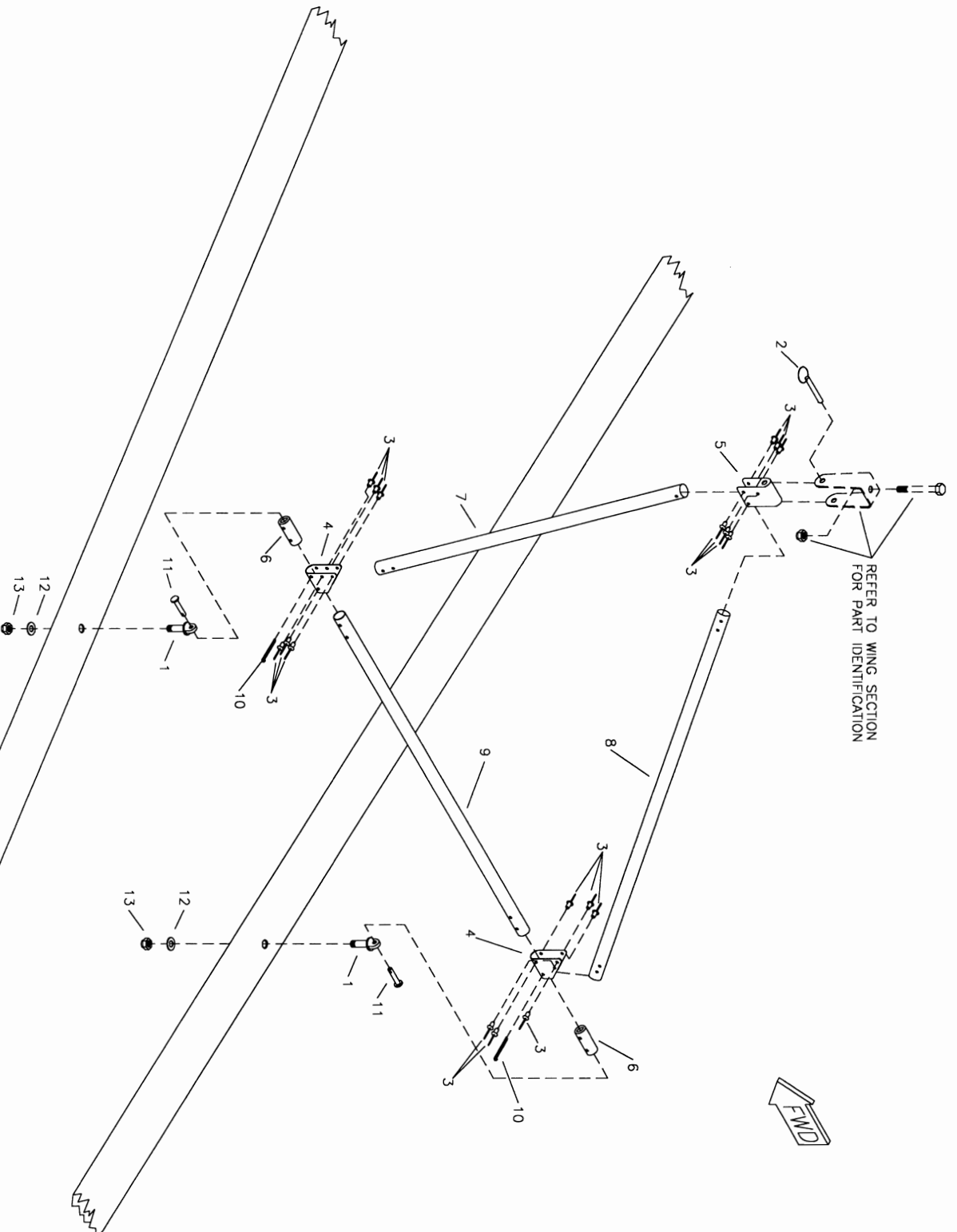


FWD

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Shear Nut	AN364-524A	8
2.	1/4" Shear Acorn Nut	52NKTE-048	4
3.	5/16" Bolt	AN5-12A	2
4.	5/16" Bolt	AN5-13A	2
5.	5/16" Bolt	AN5-15A	2
6.	5/16" Thick Washer	AN960-516	20
7.	Upper Lift Strut Connector - AFT	LS-ACU-2	2
8.	Upper Lift Strut Connector - FWD	LS-FCU	2
9.	AFT Lift Strut	KPWI0076	2
10.	1/4" Thin Washer	AN960-416L	8
11.	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	12
12.	Gusset Plate	116-S-GUSS-A	2
13.	Strut Connector, Aluminum	LS-SC-F-ALUM	2
14.	Universal Shim *, **	UNV-SHIM	4
15.	5/16" Bolt	AN5-17A	2
16.	FWD Lift Struts	KPWI0062	2
17.	1/4" Bolt	AN4-15A	4
18.	Aluminum Bushing, 3/8" x .035 x 1/2" *	KAAC0020-1	0
19.	5/16" Thin Washer	AN960-516L	12
20.	5/16" Clevis Pin	MS20392-4C33	2
21.	Loc Ring	RL 27 5/16	2
22.	5/16" Shear Acorn Nut	52NKTE-054	2
23.	Chord Template - Lift Strut, Large	KPLS0003	1
24.	5/16" Bolt	AN5-11A	2
25.	3/16" Bolt	AN3-15A	4
26.	3/16" Thin Washer	AN960-10L	8
27.	Adjustor End	S-AE-1	2
28.	Rod End	3/8X24 ROD END	2
29.	3/16" Shear Nut	AN364-1032A	4
30.	Adjustable Lift Strut - Raw Stock Kit	KAAC0020	1
31.	Gusset Plate	116-S-GUSS-B	2
32.	3/8" Plain Nut	MS35650-3382	2
33.	Loctite	LOC-TITE	0

*Builder must fabricate from raw stock.

**Use only if necessary.



REDO S-7 COURIER JURY STRUTS ASSEMBLY AND INSTALLATION

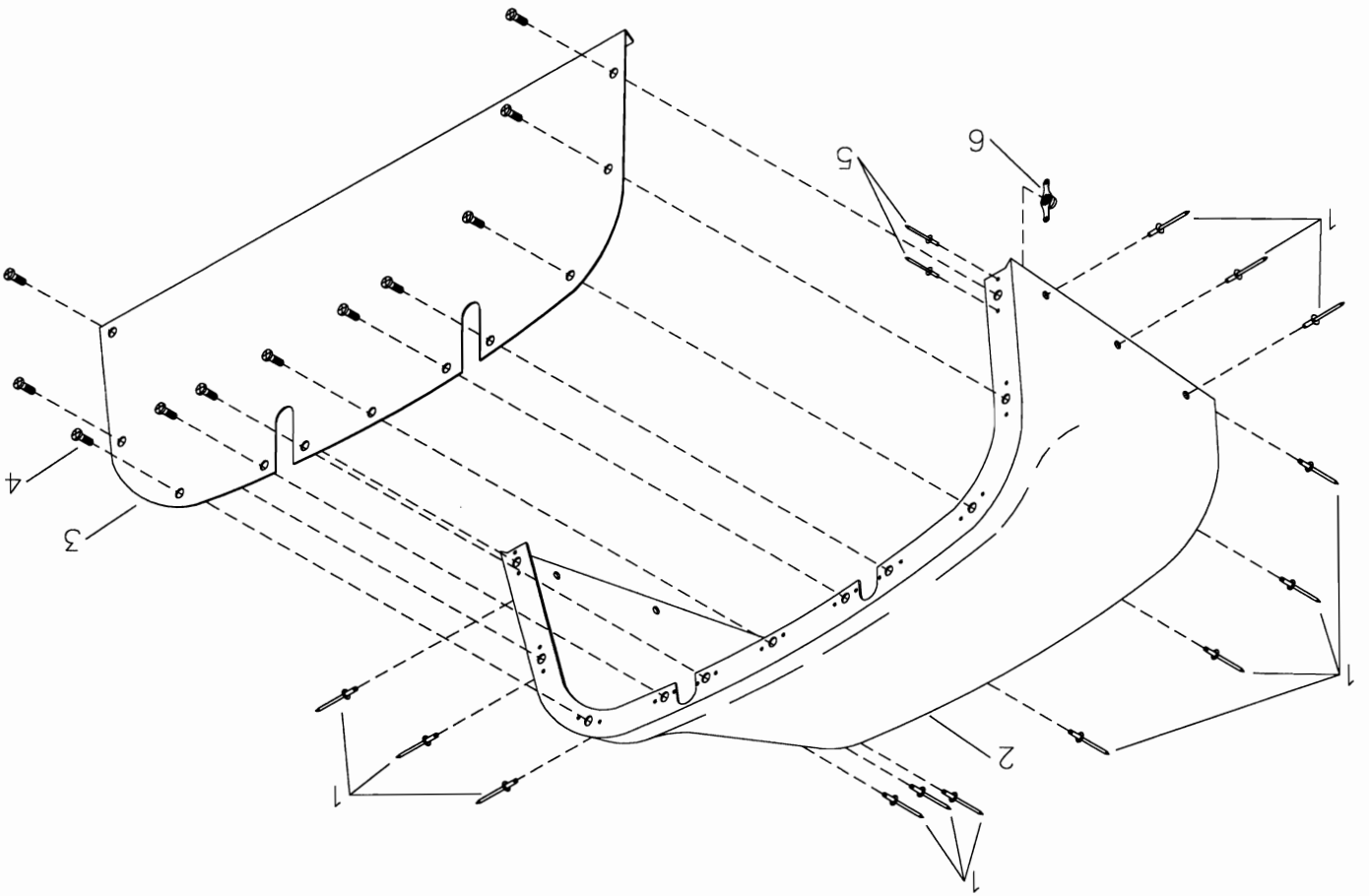
S-7 COURIER - JURY STRUTS ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	1/4" Eyebolt	AN43B-15A	4
2 .	Retaining Pin	3/16X1.2SSBP	2
3 .	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	36
4 .	Notched Gusset	JS-JGN	4
5 .	Gusset	JS-JGW	2
6 .	Drilled Bushing Aluminum Insert	JS-BUC-B	4
7 .	Forward Jury Strut, 1/2" x .035 x X *	KAAC0034-1	0
8 .	Diagonal Jury Strut, 1/2" x .035 x X *	KAAC0034-1	0
9 .	Lower Jury Strut, 1/2" x .035 x X *	KAAC0034-1	0
10 .	Small Cotter Pin	MS24665-134	4
11 .	3/16" Clevis Pin	MS20392-2C17	4
12 .	1/4" Thin Washer	AN960-416L	4
13 .	1/4" Tensile Nut	AN365-428A	4

*Builder must fabricate from raw stock.

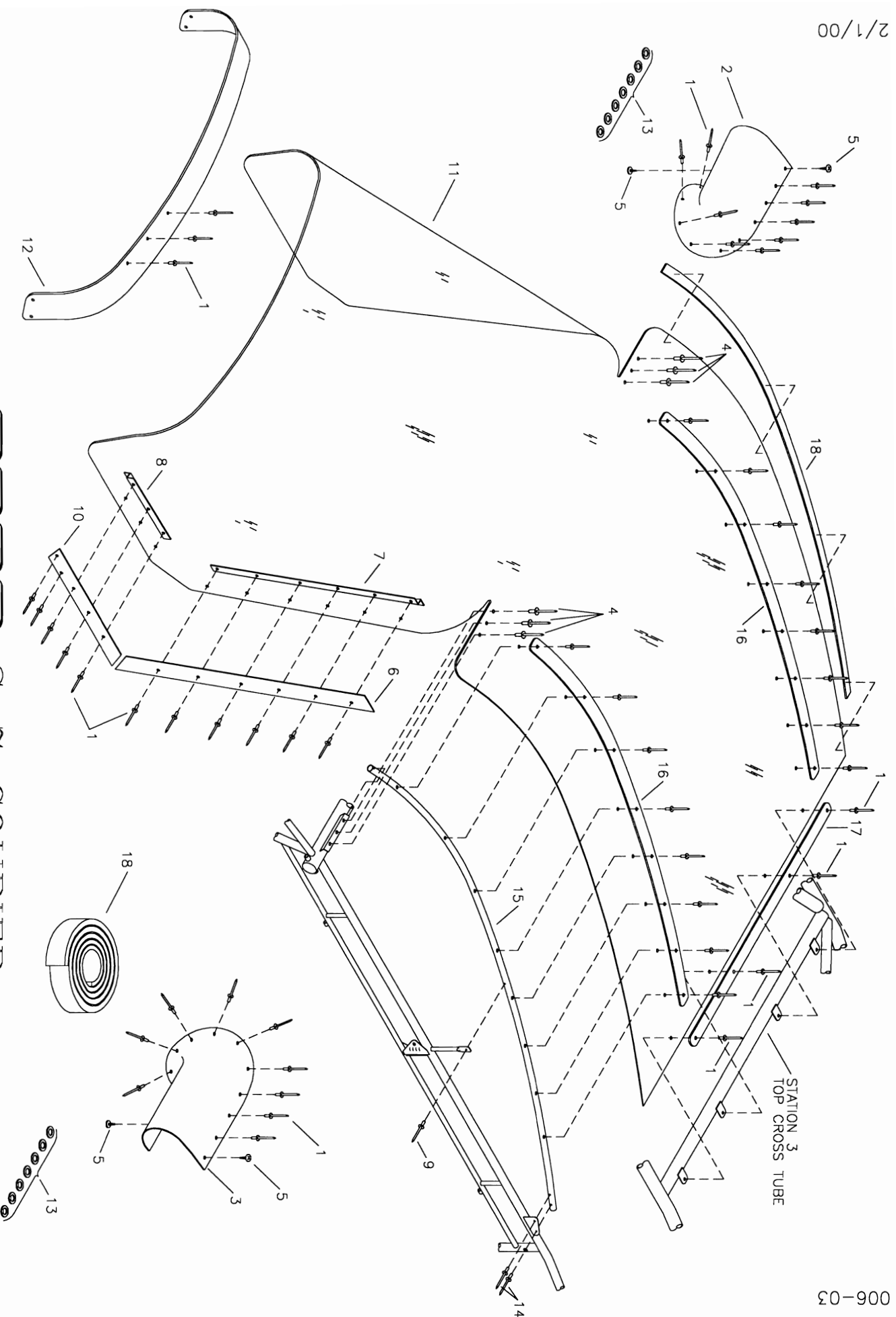
RRMS S-7 COURIER DECK AND INSTRUMENT PANEL INSTALLATION

MD1143



S-7 COURIER - DECK & INSTRUMENT PANEL INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	1/8" Aluminum Pop Rivet - Avex	1691-0410	13
2 .	Panel Housing	IP-PH	1
3 .	Instrument Panel	KPIP0010	1
4 .	8/32" Truss Head Bolt	AN515-8R7	11
5 .	3/32" Aluminum Pop Rivet	40APR1/8	22
6 .	8-32 Nut Plate	MS21047-08	11

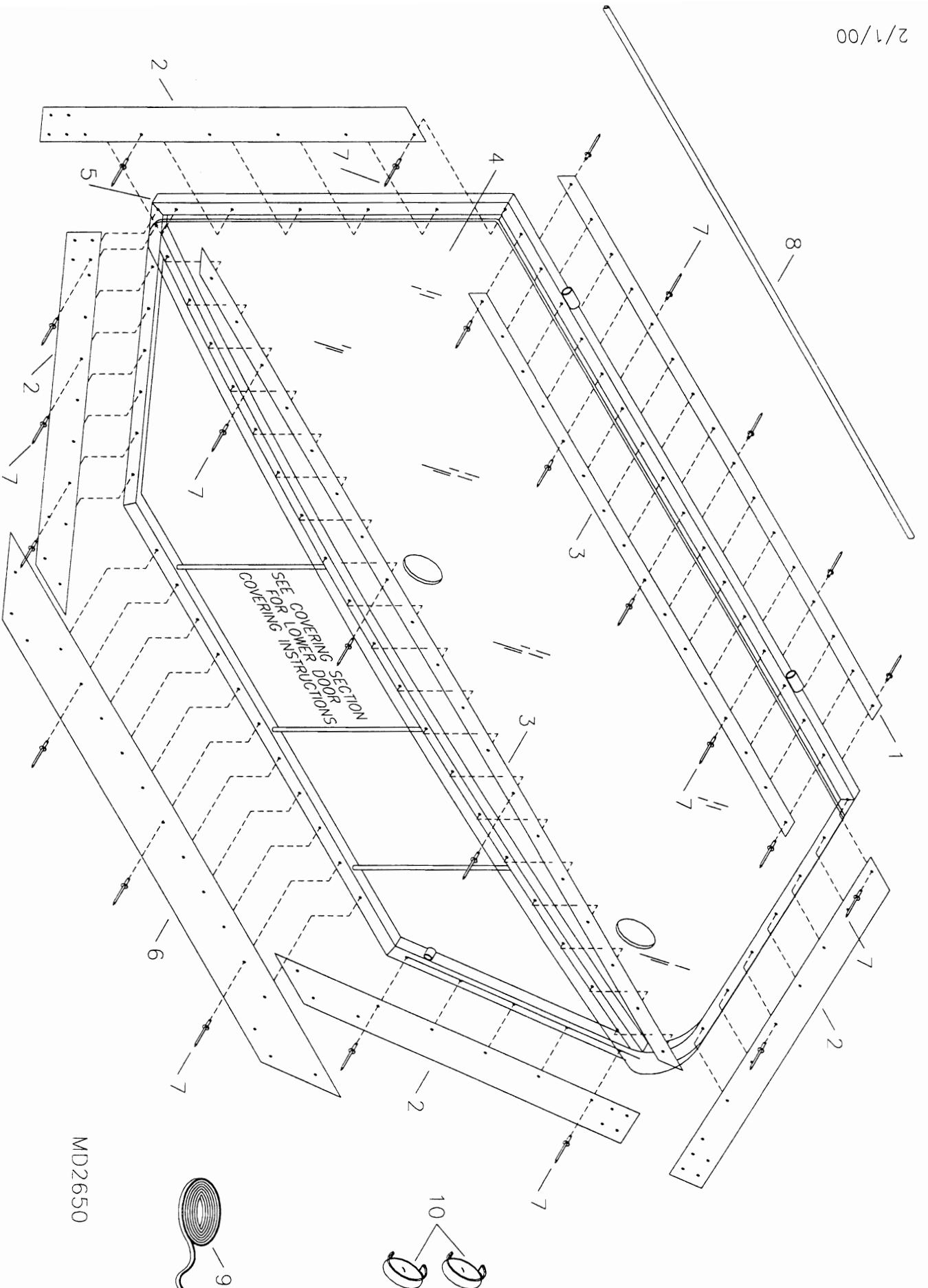


RAMPS S-7 COURIER WINDSHIELD ASSEMBLY & INSTALLATION

S-7 COURIER - WINDSHIELD ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Pop Rivet - Avex	1691-0410	100
2.	Wing Cuff, RH	WS-CUFF-RH	1
3.	Wing Cuff, LH	WS-CUFF-LH	1
4.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-64	6
5.	#6 Small Pan Head Screw	6RX1/2 PHS	4
6.	Windshield, Long Trim Strip	WS-LTS	2
7.	Windshield, Long "Z" Strip	WS-LZ	2
8.	Windshield, Short "Z" Strip	WS-SZ	2
9.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	2
10.	Windshield, Short Trim Strip	WS-STS	2
11.	Windshield	WS-WS-7	1
12.	Windshield, Hold Down Strip	WS-FTS	1
13.	1/8" Small Brass Washer	AN960-B4	20
14.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	4
15.	Rib - Skylight *	KPWI0195	2
16.	Trim Strip - Skylight	KPWS0010	2
17.	AFT Trim Strip - Skylight	KPWS0009	1
18.	Foam Seal	KSAC0021	19 ft

*Builder must modify. Refer to text for instructions.



MD2650

REDUCED S-7 COURIER DOOR ASSEMBLY (LEXAN & TRIM)

S-7 COURIER - DOOR ASSEMBLY

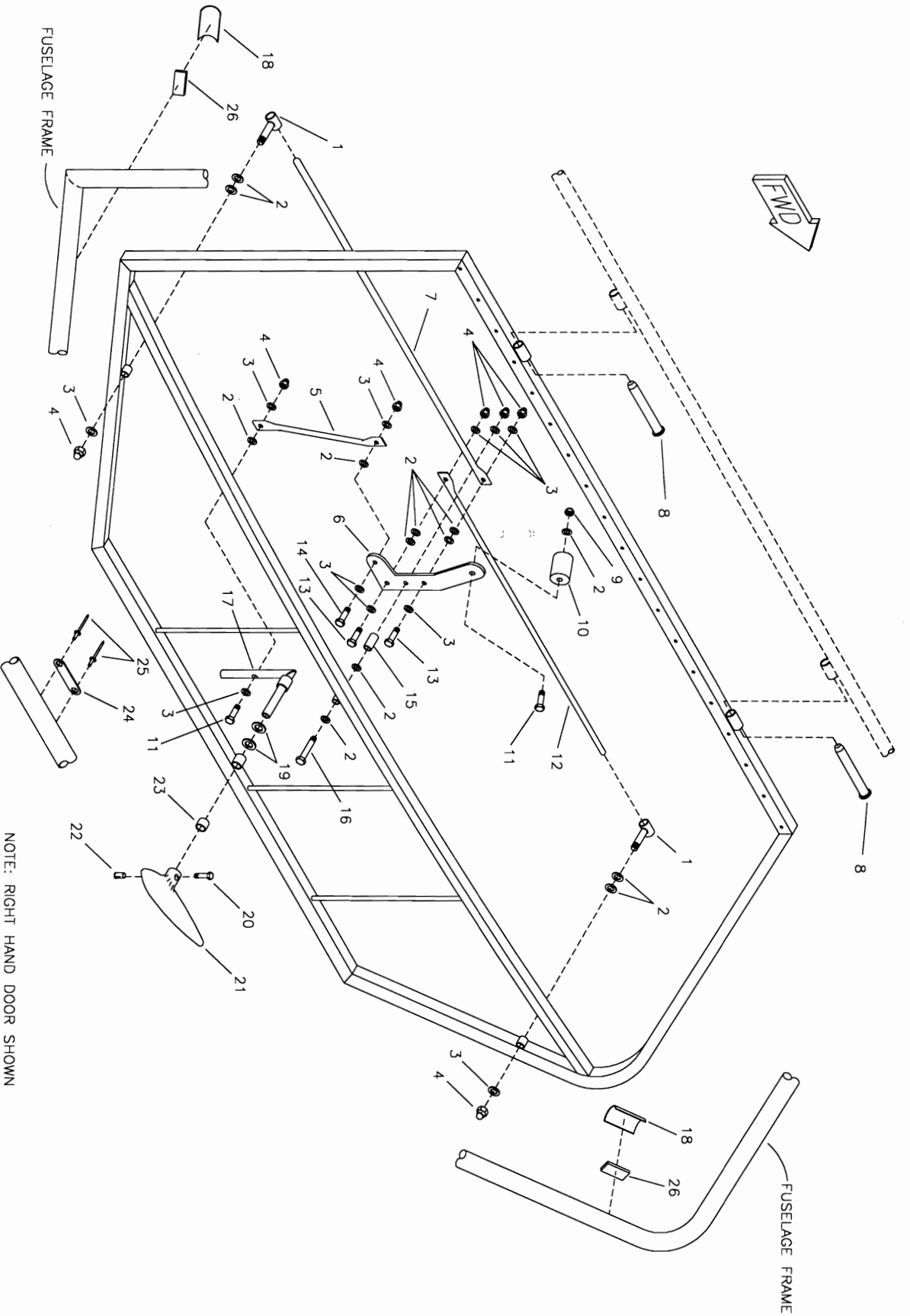
PAGE 006-06

LEXAN & TRIM

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Upper Trim Strip - Inner *	KPDR0050	2
2.	Trim Strip *	KPDR0025	4
3.	Window Trim Strip - Door *	KPDR0051	4
4.	Window Glass Clear *	D-W-GL (C)	1
4.	Window Glass Tinted *	D-W-GL (T)	1
5.	Door Frame, RH	KADR0002-R	1
5.	Door Frame, LH	KADR0002-L	1
6.	Trim Strip - Lower *	D-TS-2 1/4X38 1/2	2
7.	1/8" Aluminum Pop Rivet - Avex	1691-0410	180
8.	Small Rubber Edging	8510K11	9 ft
9.	Foam Seal	KSAC0021	23 ft
10.	Air Vent	AIR-VENT	4

*Builder must modify. Refer to text for instructions.

2/1/1900



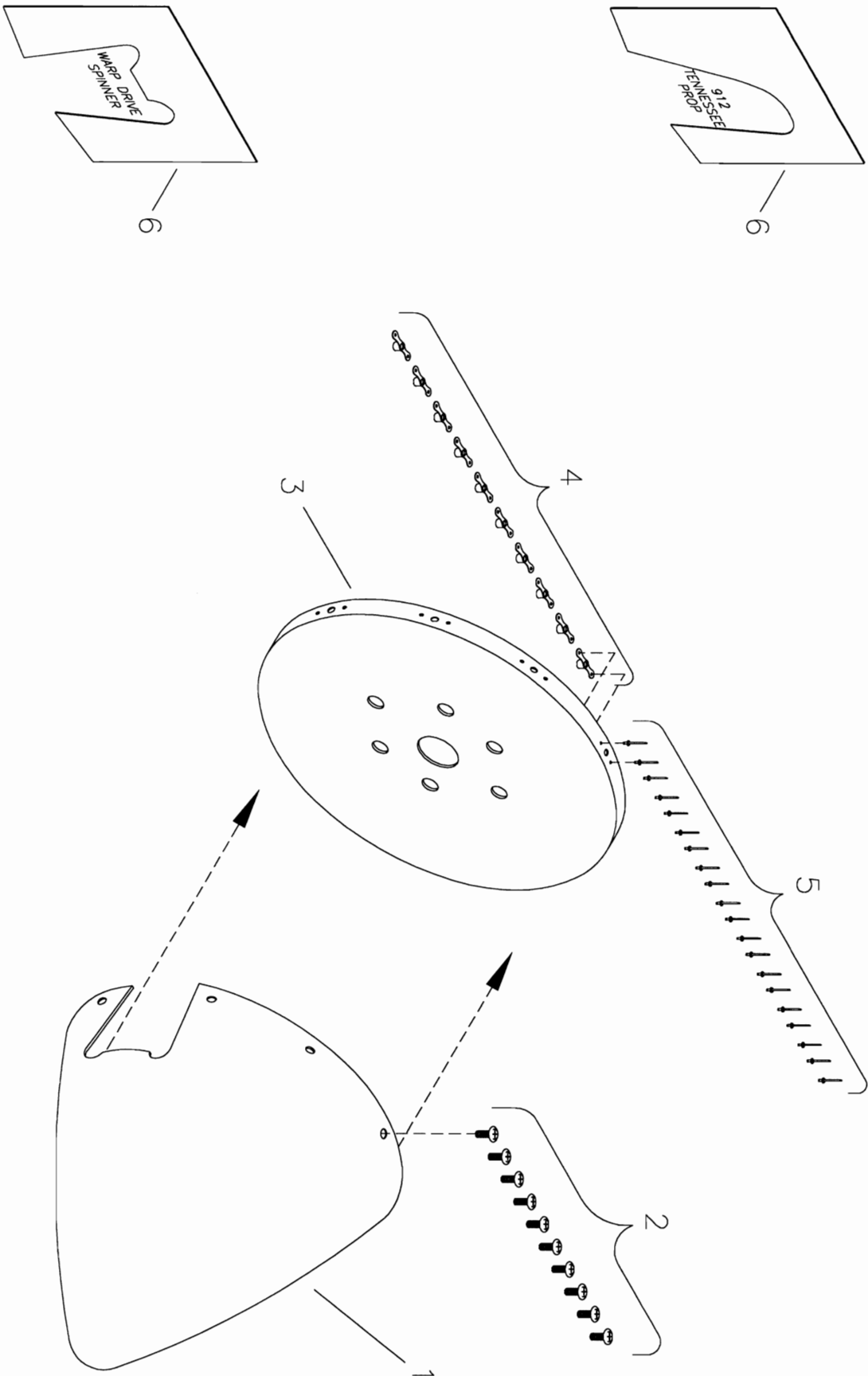
RRR S-7 COURIER DOOR ASSEMBLY (LATCH MECHANISM) & INSTALLATION

MD1168

S-7 COURIER - DOOR ASSEMBLY & INSTALLATION
LATCH MECHANISM

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Door Pivot Bushing	KPDR0057	4
2.	3/16" Thick Washer	AN960-10	26
3.	3/16" Thin Washer	AN960-10L	22
4.	3/16" Shear Acorn Nut	22NKM02	14
5.	Door Connect Rod	KPDR0061	2
6.	Door Handle - RH	KPDR0056-R	1
6.	Door Handle - LH	KPDR0056-L	1
7.	Door Latch Rod - AFT	KPDR0059	2
8.	Cotterless Clevis Pin	KSHW0045	4
9.	3/16" Shear Nut	AN364-1032A	2
10.	Knob	KPCS0104	2
11.	3/16" Bolt	AN3-7A	4
12.	Door Latch Rod - FWD	KPDR0060	2
13.	3/16" Bolt	AN3-5A	4
14.	3/16" Bolt	AN3-4A	2
15.	Aluminum Bushing, 3/8" x .090 x 9/16" *	KAAC0034-4	0
16.	3/16" Bolt	AN3-14A	2
17.	Door Bottom Latch	KPDR0058	2
18.	Door Latch Striker Plate	KPDR0062	4
19.	3/8" Thick Washer	AN960-616	4
20.	Button Head Screw	KSHW0024	2
21.	Outer Door Handle	KPDR0026	2
22.	Brass Flange Nut	KSHW0025	2
23.	Aluminum Bushing, 1/2" x .058 x X *	KAAC0034-5	0
24.	Rub Block	KPDR0013	2
25.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-45	4
26.	Acrylic Foam Tape	4929	1 ft

*Builder must fabricate from raw stock.

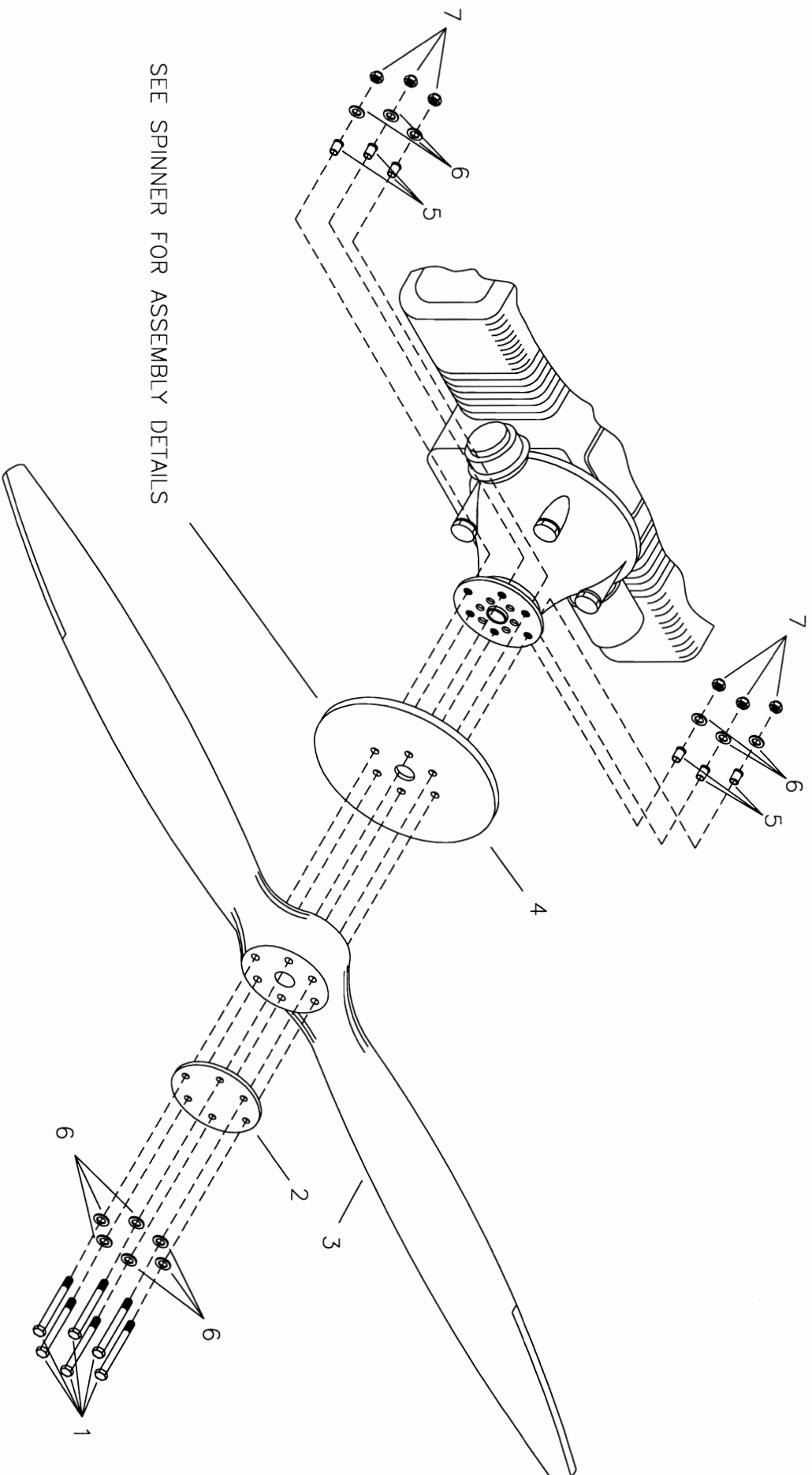


RAMS S-7 COURIER 12" SPINNER ASSEMBLY

S-7 COURIER - 12" SPINNER ASSEMBLY

#	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"	KPPW0042	1
4.	3/16" Nut Plate	K-1000-3	10
5.	3/32" Aluminum Pop Rivet	40APR1/4	20
6.	Template *	-----	1

*Refer to Text Manual for Template.



SEE SPINNER FOR ASSEMBLY DETAILS

REPAIR S-7 COURIER 912/912S PROP ASSEMBLY

MD1938

S-7 COURIER - 912/912S PROP ASSEMBLY

PAGE 006-12

STANDARD

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	8mm Bolt, 912/912S (-6 OPT PROP)	M8X1.25X120	6
2.	Crush Plate, 912/912S (-1 OPT PROP)	KPPW0183	1
3.	Propeller, 912S (-1 OPT PROP)	KSPW0060	1
3.	Propeller, 912 (-1 OPT PROP)	KSPW0004	1
4.	Spinner Backing Plate, 912/912S, 12" *	KPPW0042	0
5.	Flange Bushing, 912/912S	KPPW0038	6
6.	5/16" Thick Washer, 912/912S **	AN960-516	12
7.	8mm Nut, 912/912S (-6 OPT PROP)	M8X1.25 NUT	6

*Referenced from Spinner Assembly & Installation.

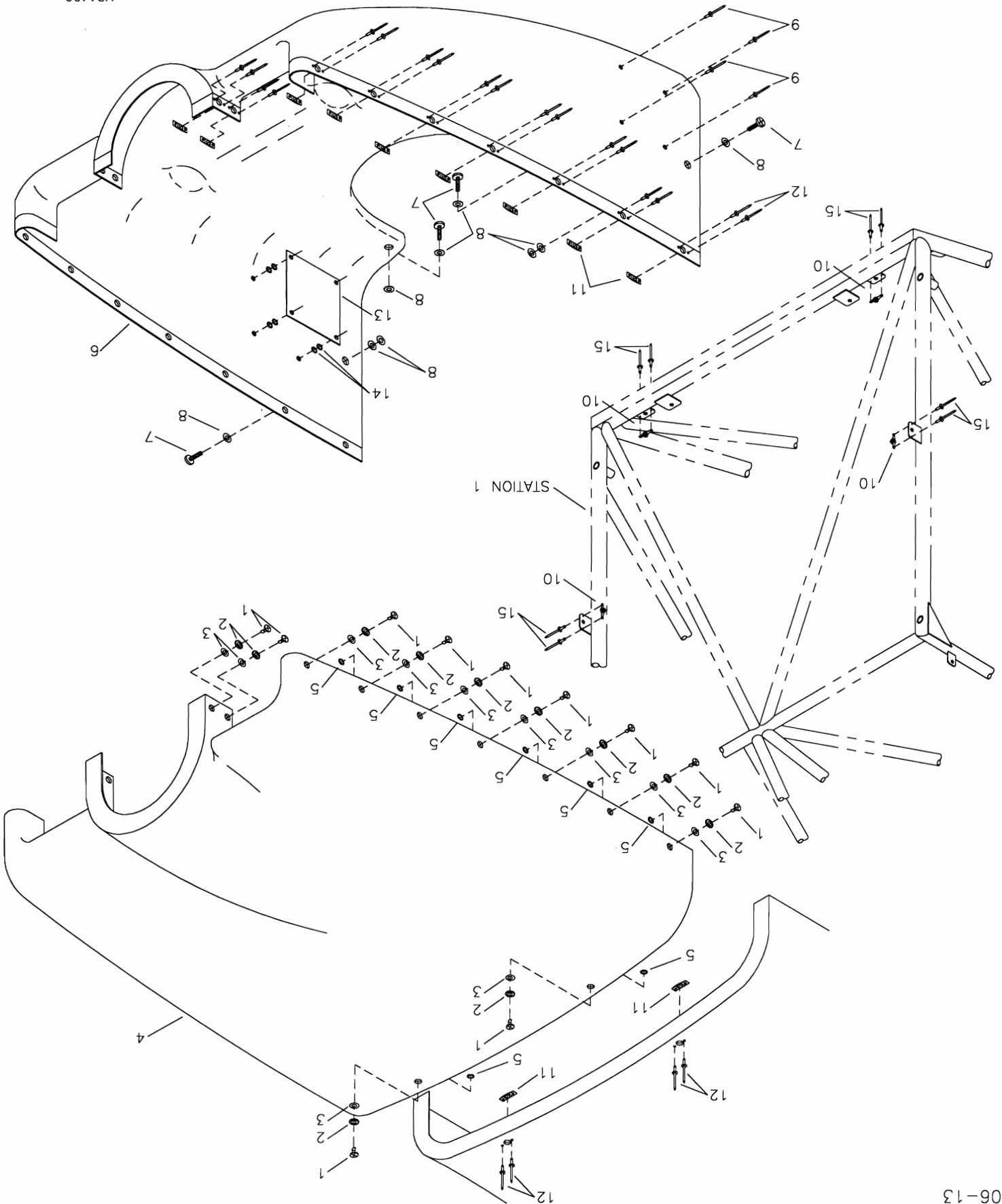
**Quantity as required.

08/24/2001

RRMS S-7 COURIER COWLING ASSEMBLY AND INSTALLATION

2/1/00

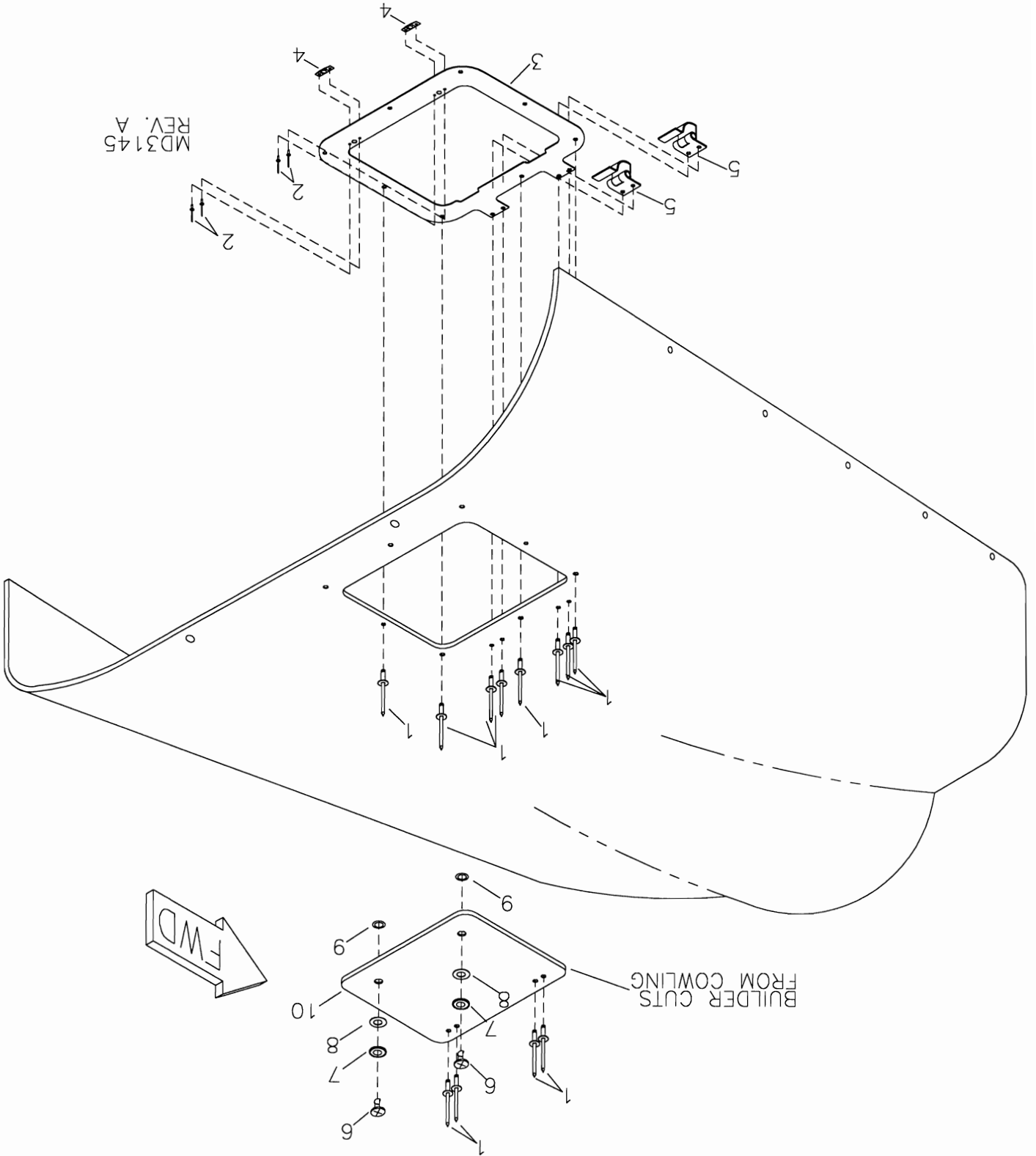
MD1426



S-7 COURIER - COWLING ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	1/4 Turn Stud	#180	20
2 .	Rubber Washer	#201	20
3 .	Wear Washer Nylon	#103	20
4 .	Cowling Top	KPCW0008	1
5 .	Snap Ring	#101	14
6 .	Cowling Bottom	KPCW0009	1
7 .	3/16" Truss Head Screw	AN526-C1032R12	4
8 .	3/16" Plastic Washer	PW-3	10
9 .	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	8
10 .	3-16" Nut Plate	K-1000-3	4
11 .	1/4 Turn Receptacle	#302	20
12 .	3/32" Aluminum Pop Rivet	40APR1/4	40
13 .	912 Cowling Heat Shield	KPCW0011	2
14 .	1/8" Small Brass Washer	AN960-B4	16
15 .	3/32" Aluminum Pop Rivet	40APR1/8	8

RPM S-7 COURIER OIL CHECK DOOR INSTALLATION

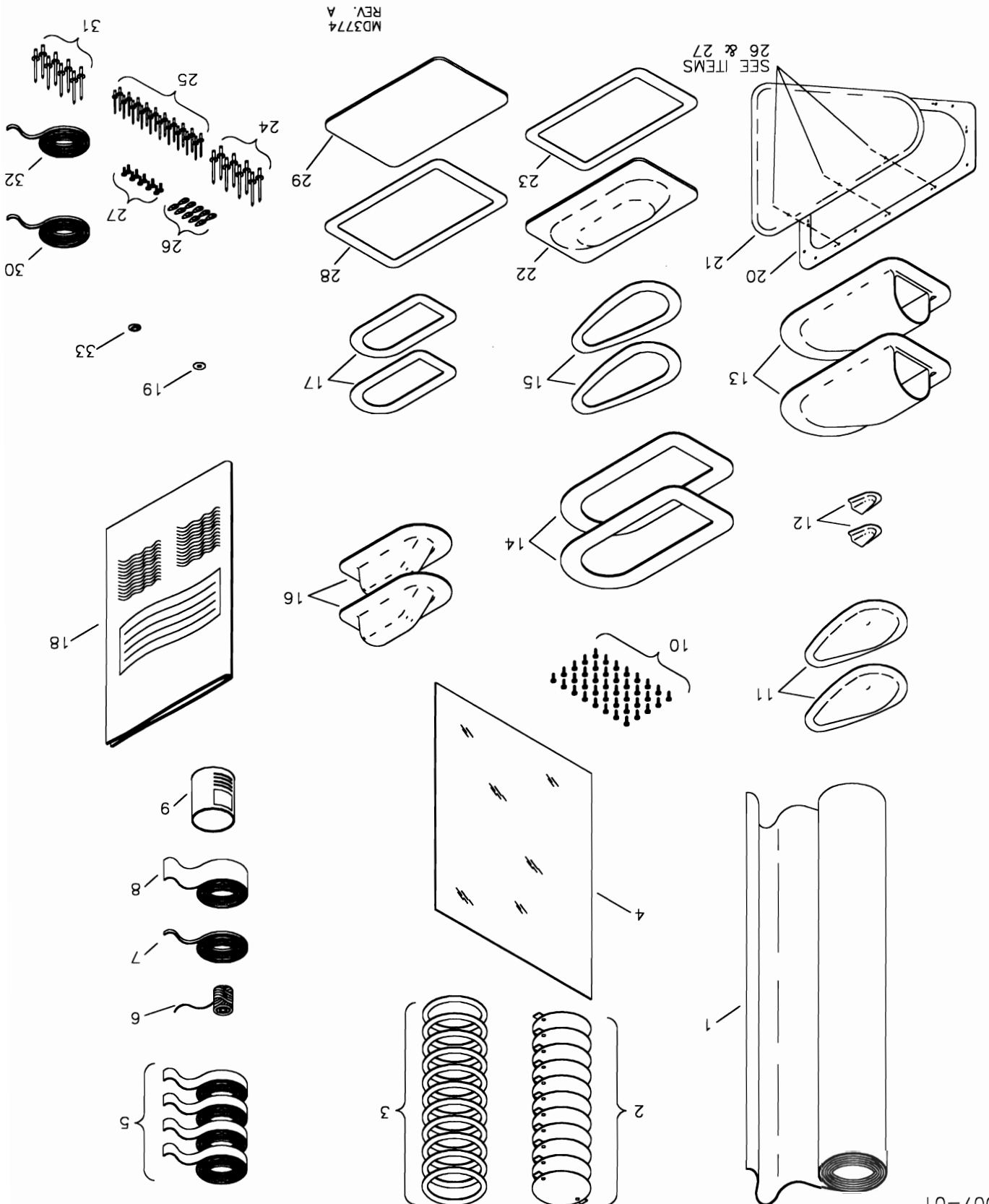


S-7 COURIER - OIL CHECK DOOR INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	1/8" Aluminum Pop Rivet - Avex	1691-0410	18
2 .	3/32" Aluminum Pop Rivet	40APR1/4	4
3 .	Oil Door Opening	KPCW0015	1
4 .	1/4 Turn Receptacle	#302	2
5 .	Oil Door Hinge	KSHW0053	2
6 .	1/4 Turn Stud	#180	2
7 .	Rubber Washer	#201	2
8 .	Wear Washer Nylon	#103	2
9 .	Snap Ring	#101	2
10 .	Oil Door *	-----	0

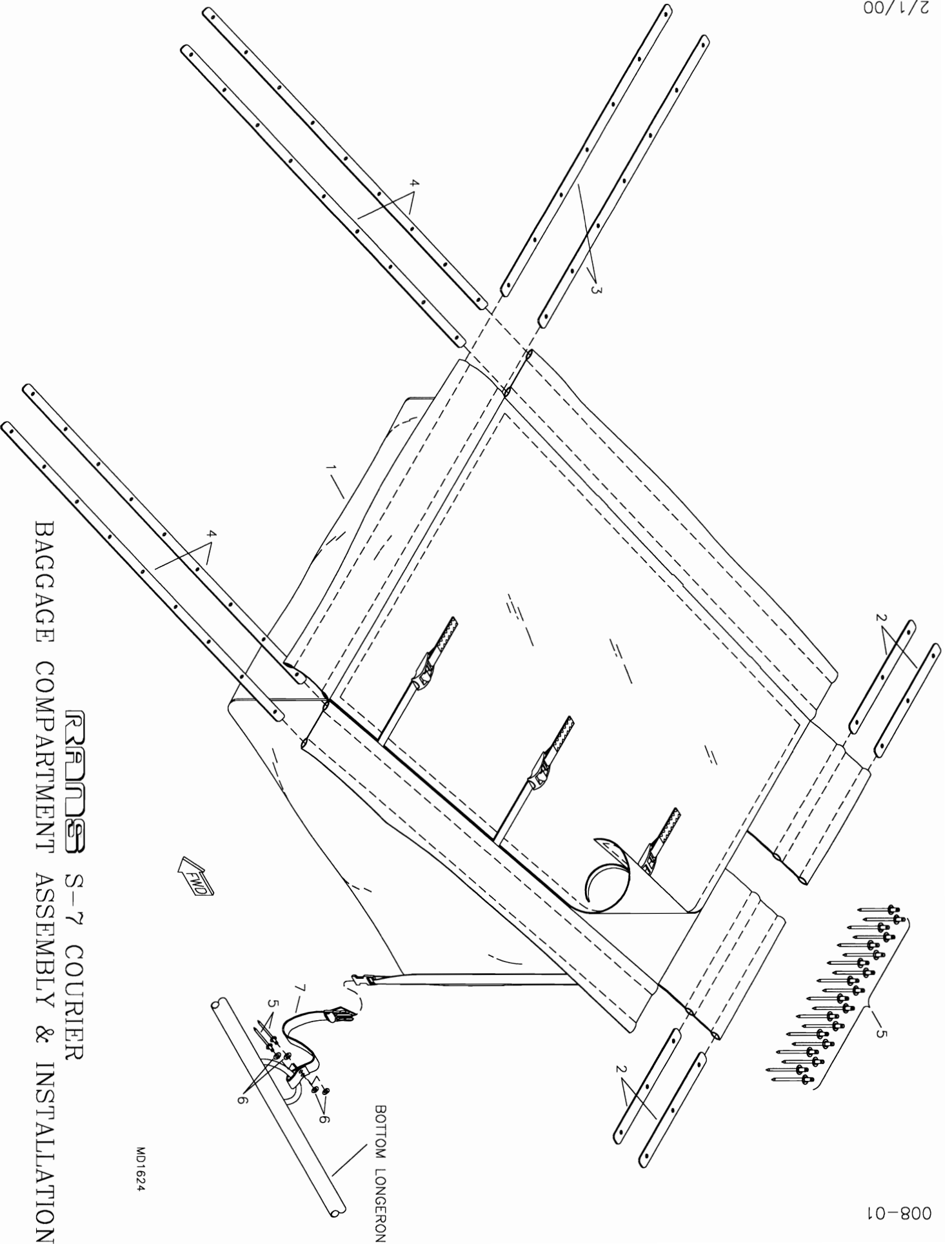
*Builder cuts from cowlings.

RMS S-7 COURIER COVERING SUPPLIES



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Aircraft Fabric	CV-S7	38 yds
2.	Inspection Plate	CV-IP	11
3.	Inspection Ring	CV-IR	9
4.	.020 Lexan, 24" x 24"	LEX-24X24	1
5.	2" Surface Tape	2 TAPE	4 rls
6.	Rib Lacing	RIB LACING	1 rls
7.	1/4" Rib Tape	RIB TAPE	1 rls
8.	4" Surface Tape	4 TAPE	40 ft
9.	U-500 Urethane Adhesive	KSCV0001	4 qts
10.	#4 Small Pan Head Screw	4X1/4 PHS	92
11.	Flap Teleflex Exit	KPWI0226	2
12.	Rudder Cable Exit	CV-RX	2
13.	Aileron Push Pull Tube Exit	KPWI0349	2
14.	Aileron Push Pull Tube Exit Ring	KPWI0348	2
15.	Flap Teleflex Exit Ring	KPCV0010	2
16.	Elevator Yoke Exit	KPCV0028	2
17.	Elevator Yoke Exit Ring	KPCV0029	2
18.	Superflite Covering Manual	KSCV0002	1
19.	Drain Grommet	KSCV0003	1
20.	Door Frame - Battery Box Access Panel	KPFU0291	1
21.	Door - Battery Box Access Panel	KPFU0292	1
22.	Trim Exit Cover	KPCV0026	1
23.	Trim Exit Ring	KPCV0027	1
24.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	11
25.	3/32" Aluminum Pop Rivet	40APR1/8	20
26.	8-32 Single Ear Nut Plate	MS21051-08	10
27.	8 - 32 Machine Bolt	AN526-832R6	10
28.	10" x 12" Inspection Ring	KPCV0001	1
29.	10" x 12" Inspection Cover	KPCV0002	1
30.	Cover Strap	KPCV0012	5
31.	1/8" Aluminum Rivet - Avex	1691-0410	82
32.	2 Way Tape	2W-TAPE	20 ft
33.	Seaplane Grommet	AN231-4	1

*Builder supplies.



RRMS S-7 COURIER
BAGGAGE COMPARTMENT ASSEMBLY & INSTALLATION

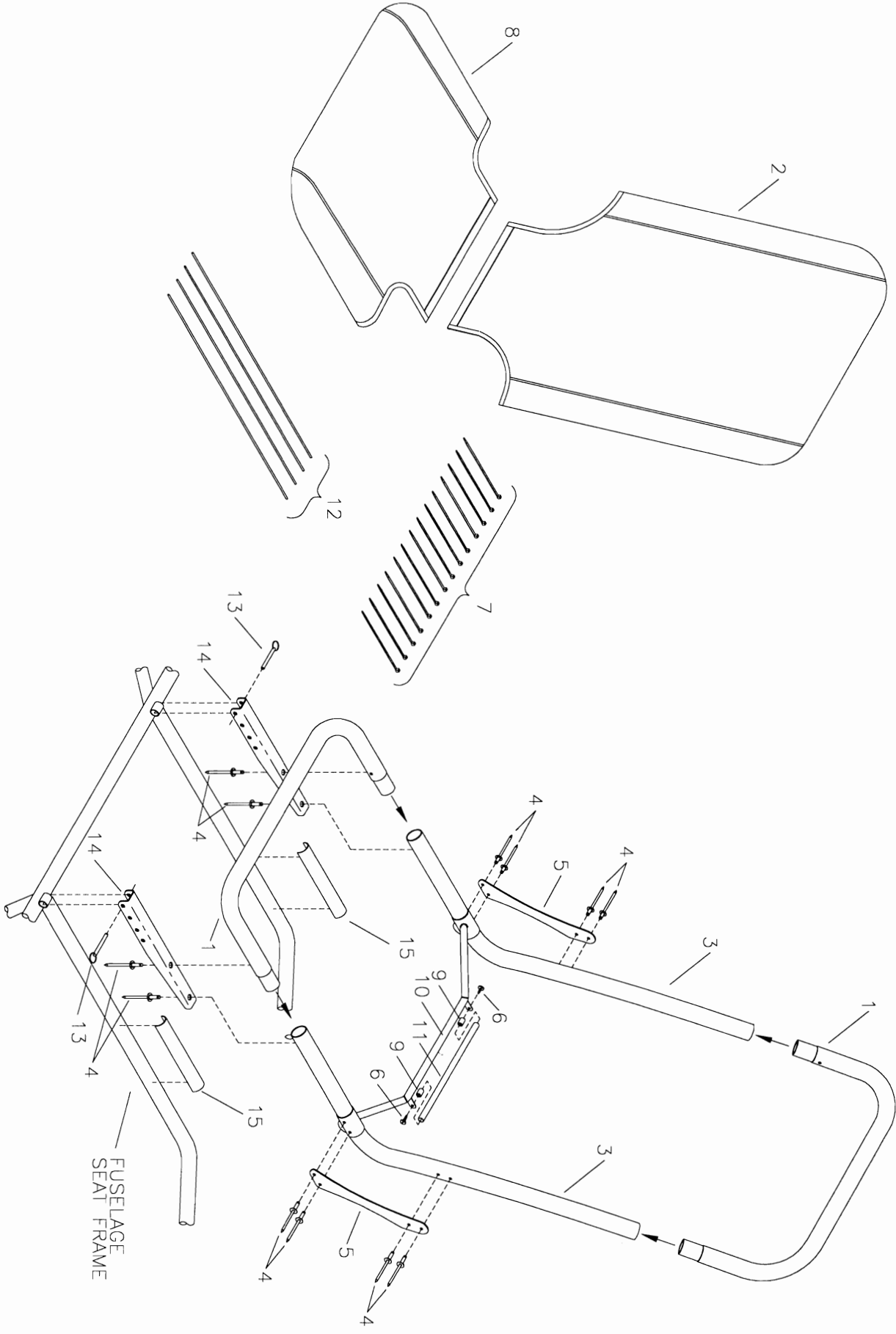
MD1624

S-7 COURIER - BAGGAGE COMPARTMENT ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Baggage Compartment	KAIN0028	1
2.	AFT Plate - Baggage Compart, 1/2" x .040 x X **	KAAC0034-10	0
3.	FWD Plate - Baggage Compart, 1/2" x .040 x X **	KAAC0034-10	0
4.	Side Plate - Baggage Compart, 1/2" x .040 x X **	KAAC0034-10	0
5.	1/8" Aluminum Pop Rivet - Avex	1691-0410	44
6.	1/8" Small Brass Washer	AN960-B4	16
7.	Tension Strap *	KSIN0001	1

*Builder must cut to length.

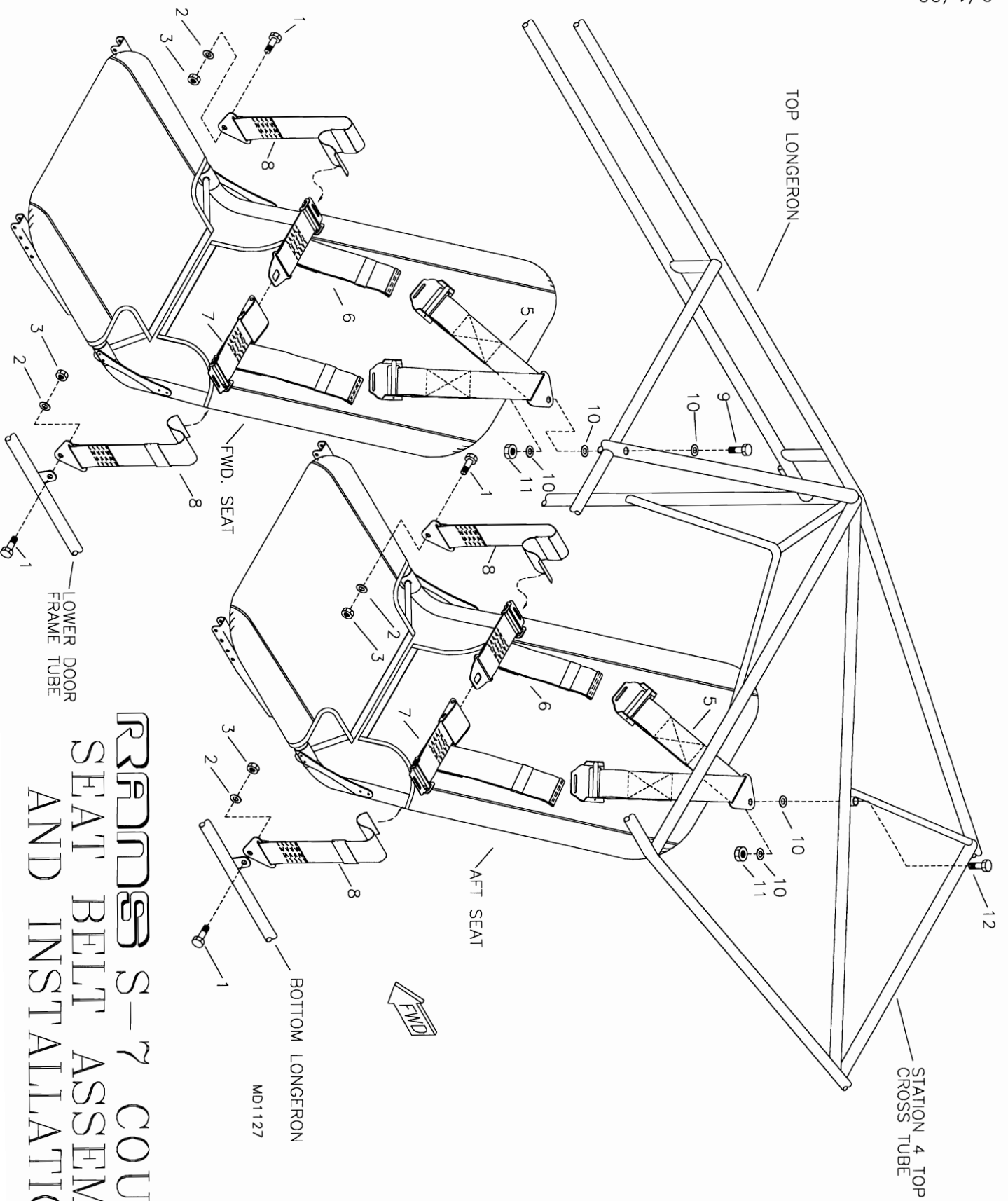
**Builder must fabricate from raw stock. Refer to text for dimensions.



REFORM S-7 COURIER SEAT FRAMES & UPHOLSTERY

S-7 COURIER - SEAT FRAMES & UPHOLSTERY

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Seat Top Tube	ST-TOP	4
2 .	Seat Back	KPST0008	2
3 .	Seat Side Frame	KPST0006	4
4 .	3/16" Stainless Steel Pop Rivet - Cherry Q	CCPQ-64	24
5 .	Seat Corner Brace	KPST0028	4
6 .	#6 Small Pan Head Screw	6RX1/2 PHS	4
7 .	Long Nylon Ties	LG-N-TIE	30
8 .	Seat Bottom Cover	KPST0007	2
9 .	PVC Insert	KPST0009	4
10 .	Seat Tensioning Bracket	KPST0003	2
11 .	Seat Tensioning Rib	KPST0002	2
12 .	Stainless Steel Wire, 3/32"	TG-LW-3/32	8
13 .	3/16" Quick Pin, 1"	SS-PIN-3/16X15/16	4
14 .	Seat Attach Channel	KPST0004	4
15 .	Anti-Chafe Tape	KSAC0035	2 ft

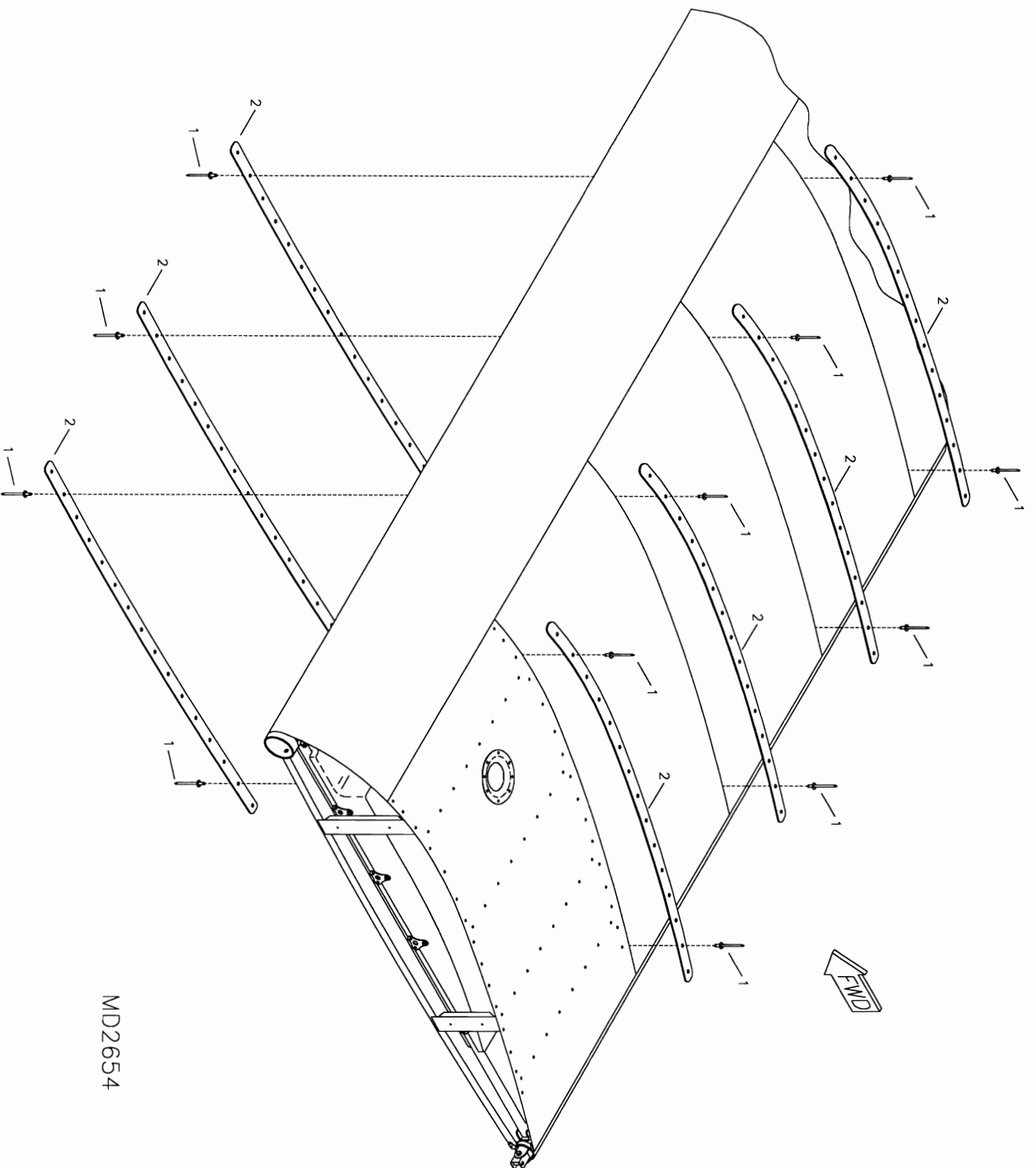


RRMDS-7 COURIER SEAT BELT ASSEMBLY AND INSTALLATION

S-7 COURIER - SEAT BELT ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	1/4" Bolt	AN4-5A	8
2 .	1/4" Thick Washer	AN960-416	16
3 .	1/4" Shear Nut	AN364-428A	4
4 .	Seat Belt Kit (Includes 5 thru 8)	KAST0008	1
5 .	Upper Shoulder Belt *	KAST0005	0
6 .	Lower Shoulder Belt - Buckle Side *	KAST0007	0
7 .	Lower Shoulder Belt - Clip Side *	KAST0006	0
8 .	Lap Belt *	KAST0004	0
9 .	5/16" Bolt	AN5-14A	1
10 .	5/16" Thick Washer	AN960-516	5
11 .	5/16" Tensile Nut	AN365-524A	2
12 .	5/16" Bolt	AN5-12A	1

*Supplied in Seat Belt Kit.



MD2654

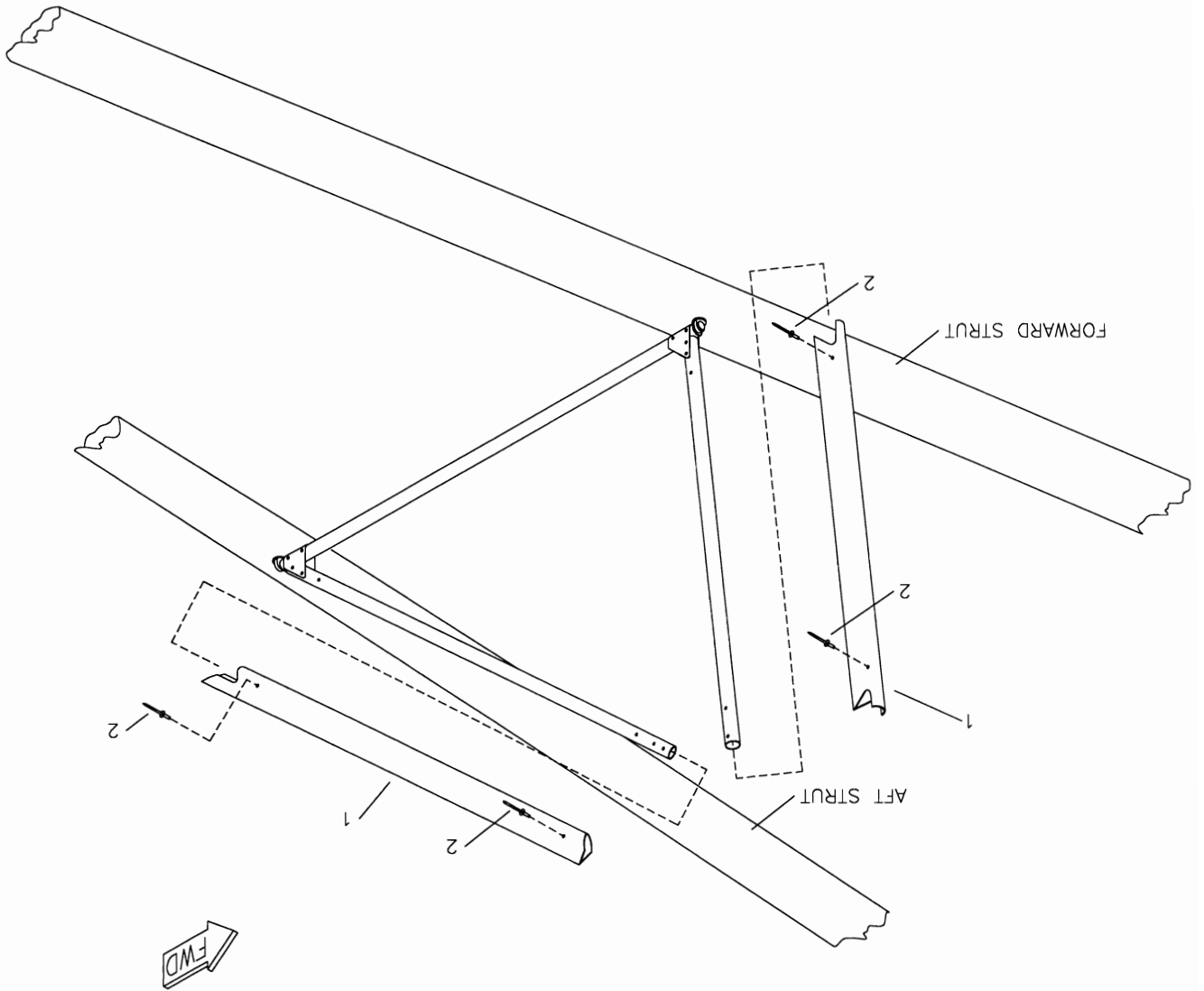
REPLACING S-7 COURIER - OPTIONAL RIVETING METHOD (REPLACING RIB STITCHING)

S-7 COURIER - OPTIONAL RIVETING METHOD
(REPLACING RIB STITCHING)

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	1/8" Aluminum Pop Rivet - Avex	1691-0410	630
2 .	Cover Strap - Top	KPCV0012	40

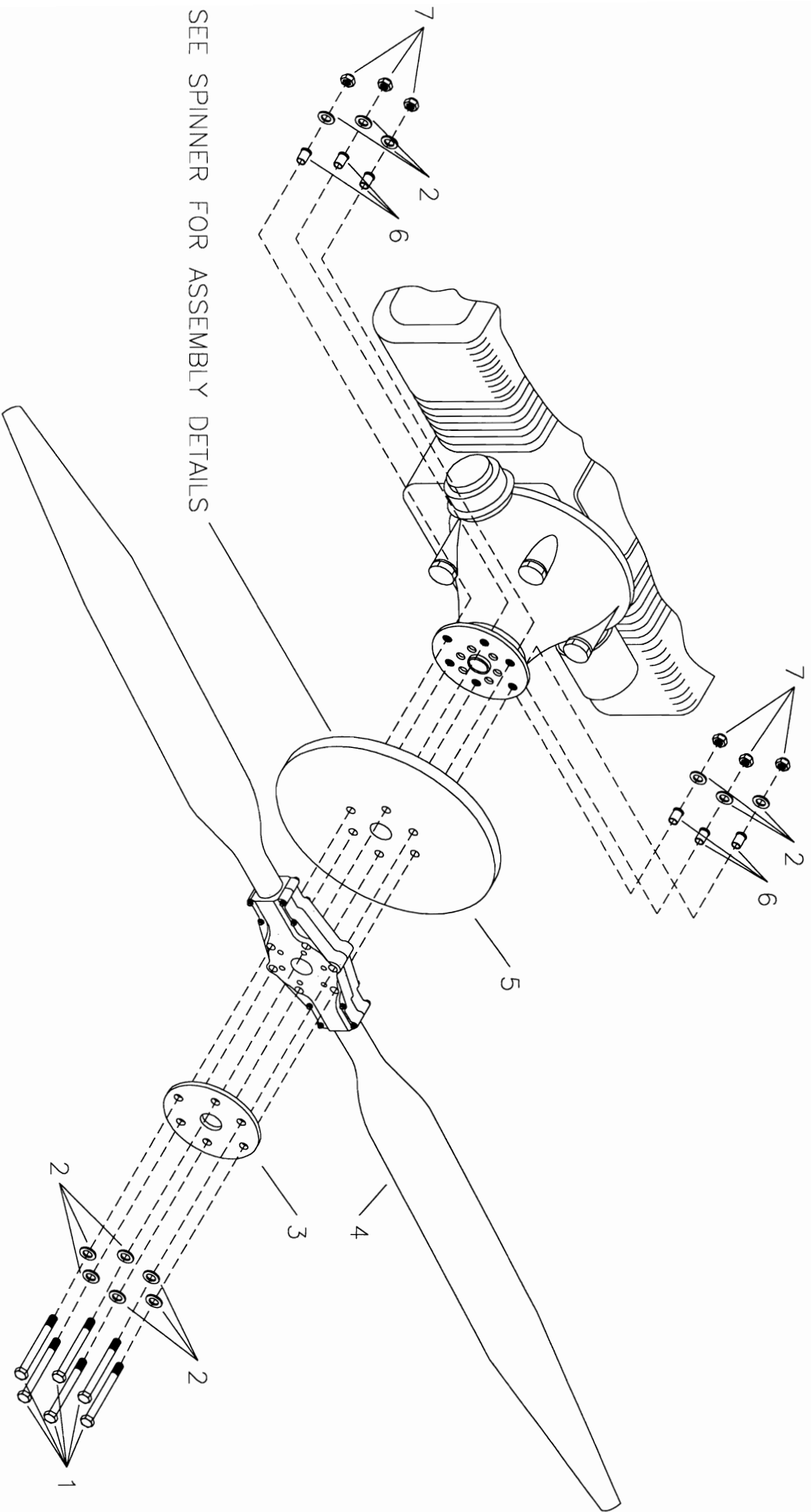
RMS S-7 COURIER OPTIONAL JURY STRUT FAIRING INSTALLATION

MD2667



S-7 COURIER - OPTIONAL JURY STRUT FAIRINGS

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Jury Strut Fairing	JS-FAIR	2
2 .	3/32" Aluminum Pop Rivet	40APR1/8	8



REDUCE S-7 COURIER OPTIONAL 912 WARP DRIVE PROP ASSEMBLY

MD1952

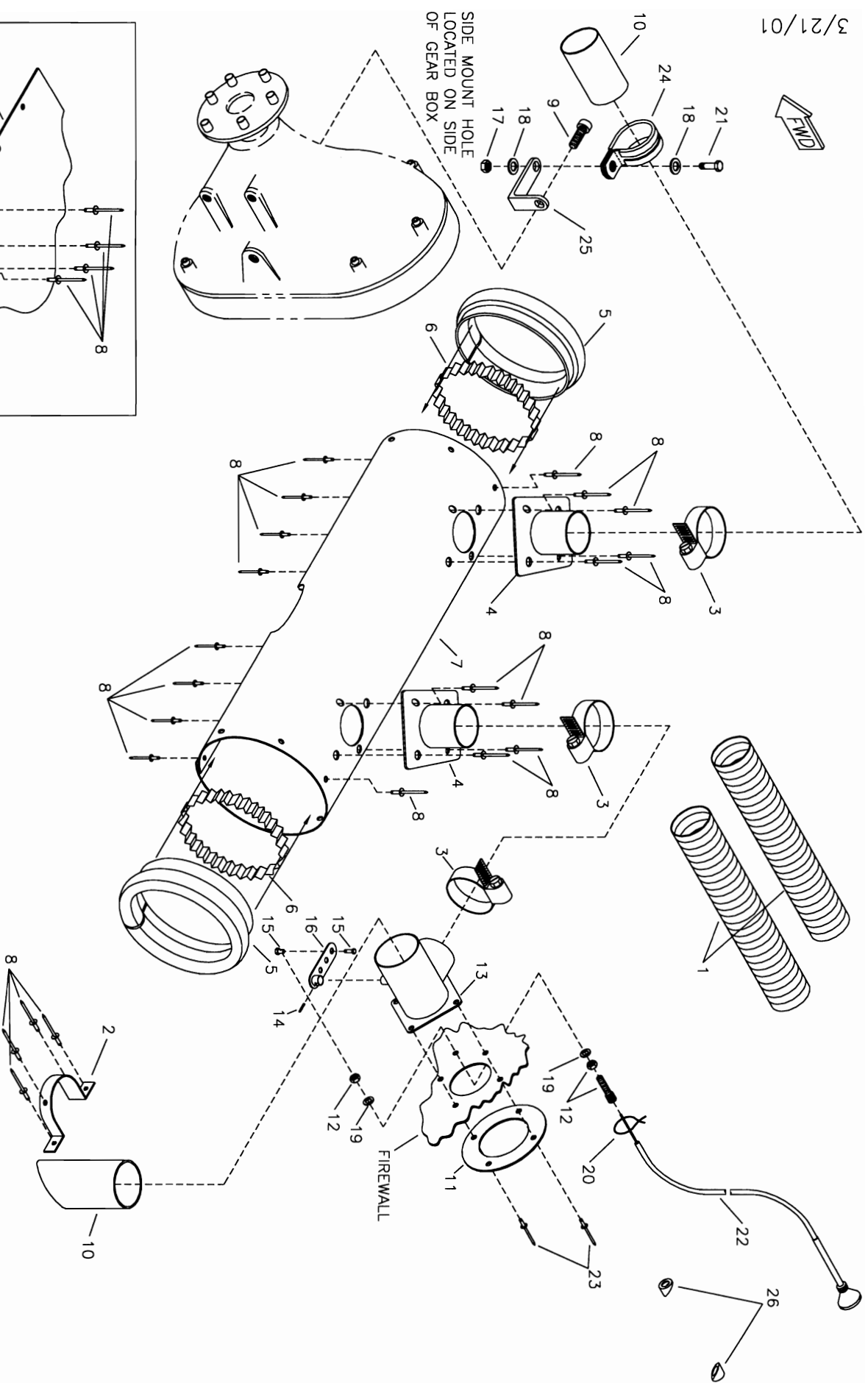
S-7 COURIER - OPTIONAL 912/912S WARP DRIVE PROP ASSEMBLY

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

*Supplied with Engine.

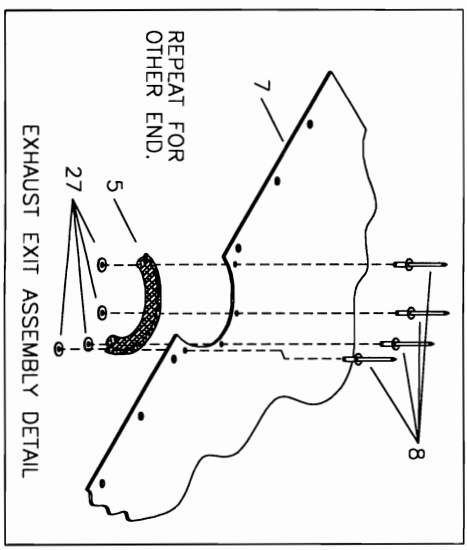
**Referenced from Spinner Assembly & Installation.

***Referenced from 912/912S Prop Assembly.



MD1243

ROUND S-7 COURIER OPTIONAL 912 MUFFLER HEATER ASSEMBLY



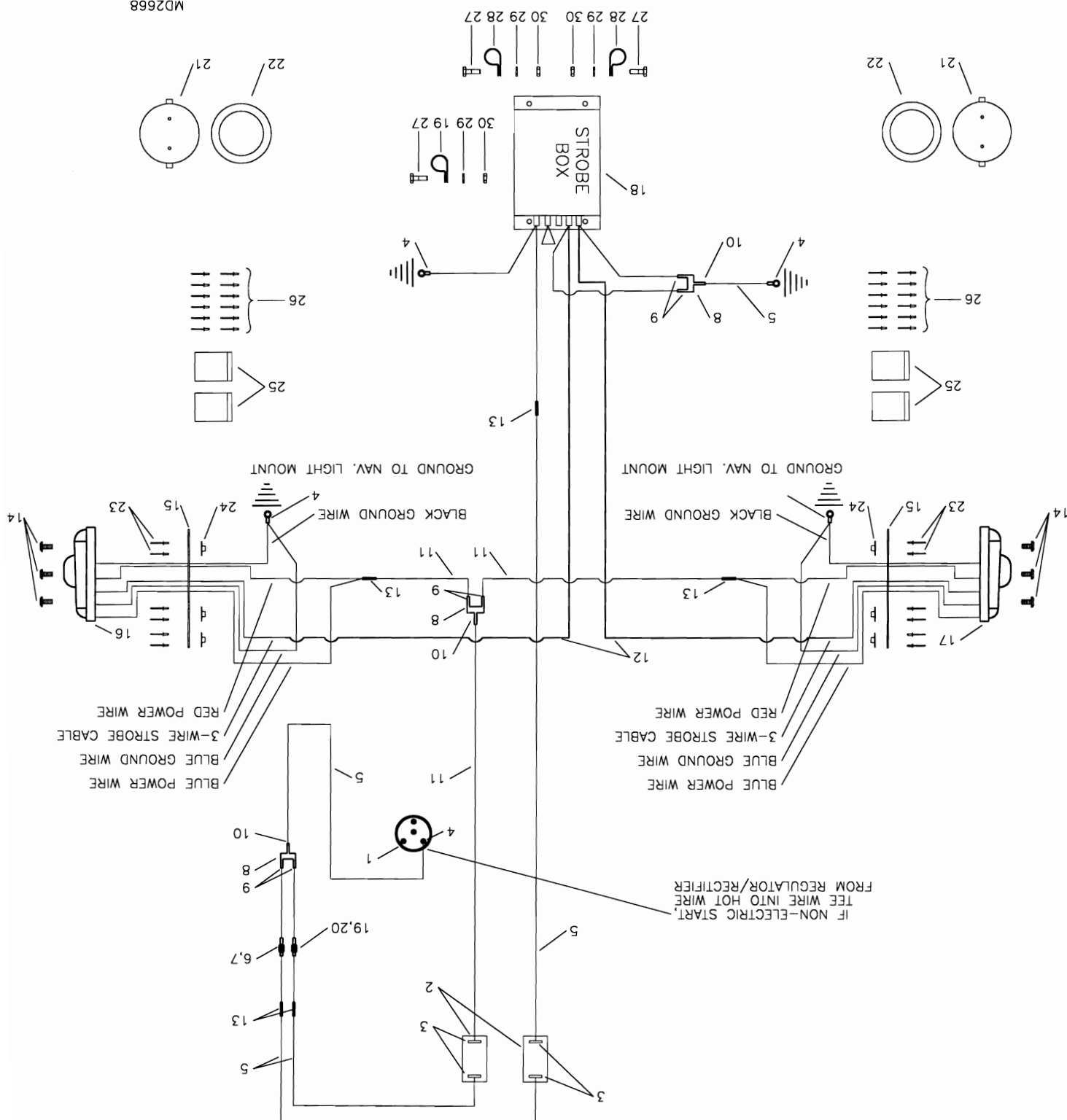
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1 1/2" Heater Duct/Creet Hose	CREET HOSE	5 ft
2.	Mount Strap, 1/2" x .040 x X **	KAAC0034-10	0
3.	Hose Clamp, 1 3/4"	5-5220	5
4.	Inlet Manifold	KPSY0030	2
5.	Fiberglass Rope	8815K162	5 ft
6.	Muffler Wrap Stand Off	KPSY0017	2
7.	S-7/10 Heater Wrap, 912	KPSY0012	1
8.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-42	42
9.	10MM Bolt	M10X20	1
10.	Inlet/Outlet Tube *	H-OT	1
11.	Heater Lexan Ring	KPSY0014	1
12.	Adjustable Cable Ferrule	12553	1
13.	Air Diverter	KPSY0029	1
14.	#40 Roll Pin	T19-094-0625	1
15.	Wire Swivel/Screw Stop	2361	1
16.	Flapper Arm	KPSY0006	1
17.	3/16" Shear Nut	AN364-1032A	1
18.	3/16" Thin Washer	AN960-10L	2
19.	1/4" Plastic Washer	PW-4	2
20.	Safety Wire	SAFETY WIRE	0
21.	3/16" Bolt	AN3-5A	1
22.	Control Cable	4-336	1
23.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-64	4
24.	Cushioned Tube Clamp	MS21919-DG24	1
25.	Angle Bracket	KPSY0016	1
26.	Beveled Washer	KPIP0029	2
27.	1/8" Small Brass Washer	AN960-B4	4

*Builder must modify. Refer to text for instructions.

**Builder must fabricate from raw stock.

RRMS S-7 COURIER
OPTIONAL WHEELS STROBE INSTALLATION

MD2668

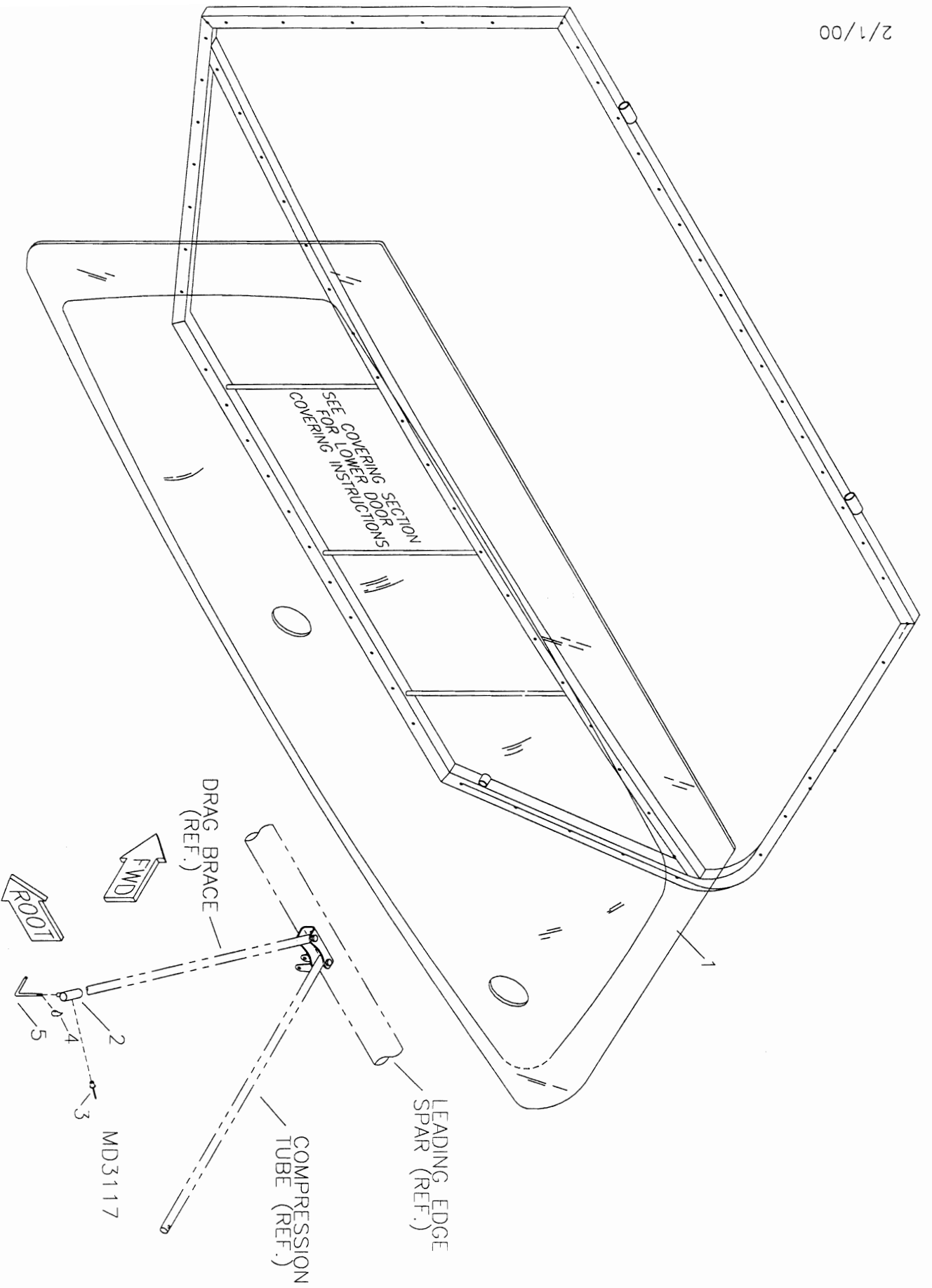


S-7 COURIER - OPTIONAL WHELEN STROBE INSTALLATION**NOTE: Gauges may vary, consult directions provided with gauge for wiring diagram.**

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Key Start Switch *	25-6	0
2 .	Switch	MS35058-22	2
3 .	14 Gauge Eye Terminal, Blue, 5/32"	KSES0003	4
4 .	14 Gauge Eye Terminal, Blue 3/16"	IP-7102	5
5 .	14 Gauge Red Wire	14 GA WIRE/RED	15 ft
6 .	14 Gauge, In Line Fuse Holder	KSES0019	2
7 .	15 AMP Fuse	KSES0020-15	1
8 .	Terminal Y Connector, Brass	IP-YC	3
9 .	14 Gauge Female Spade Terminal, Blue	IP-7128	6
10 .	14 Gauge Male Spade Terminal, Blue	IP-7126	3
11 .	14 Gauge Yellow Wire	14 GA WIRE/YELLOW	50 ft
12 .	Whelen Installation & Cable	HD-60	1
13 .	14 Gauge Splice, Butt Connector	IP-7132	5
14 .	8/32" Truss Head Bolt	AN515-8R7	6
15 .	116 Navigation Light Mount Plate	116-NAV-MT-080	2
16 .	Whelen Left Strobe Light	A600-PR	1
17 .	Whelen Right Strobe Light	A600-PG	1
18 .	Whelen Strobe Light Power Supply	A413A, HDA-DF	1
19 .	1/2" Non Cushioned Clamp	AN742-D8	1
20 .	10 AMP Fuse	KSES0020-10	1
21 .	Inspection Plate	CV-IP	2
22 .	Inspection Ring	CV-IR	2
23 .	3/32" Aluminum Pop Rivet	40APR1/8	12
24 .	8-32 Nut Plate	MS21047-08	6
25 .	Reinforcement Strap **	KPWI0014	4
26 .	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	24
27 .	3/16" Bolt	AN3-4A	3
28 .	5/8" Non Cushioned Clamp	AN742-D10	2
29 .	3/16" Thin Washer	AN960-10L	3
30 .	3/16" Shear Nut	AN364-1032A	3

*Referenced from Instruments & Electrical.

**Builder modifies as required.

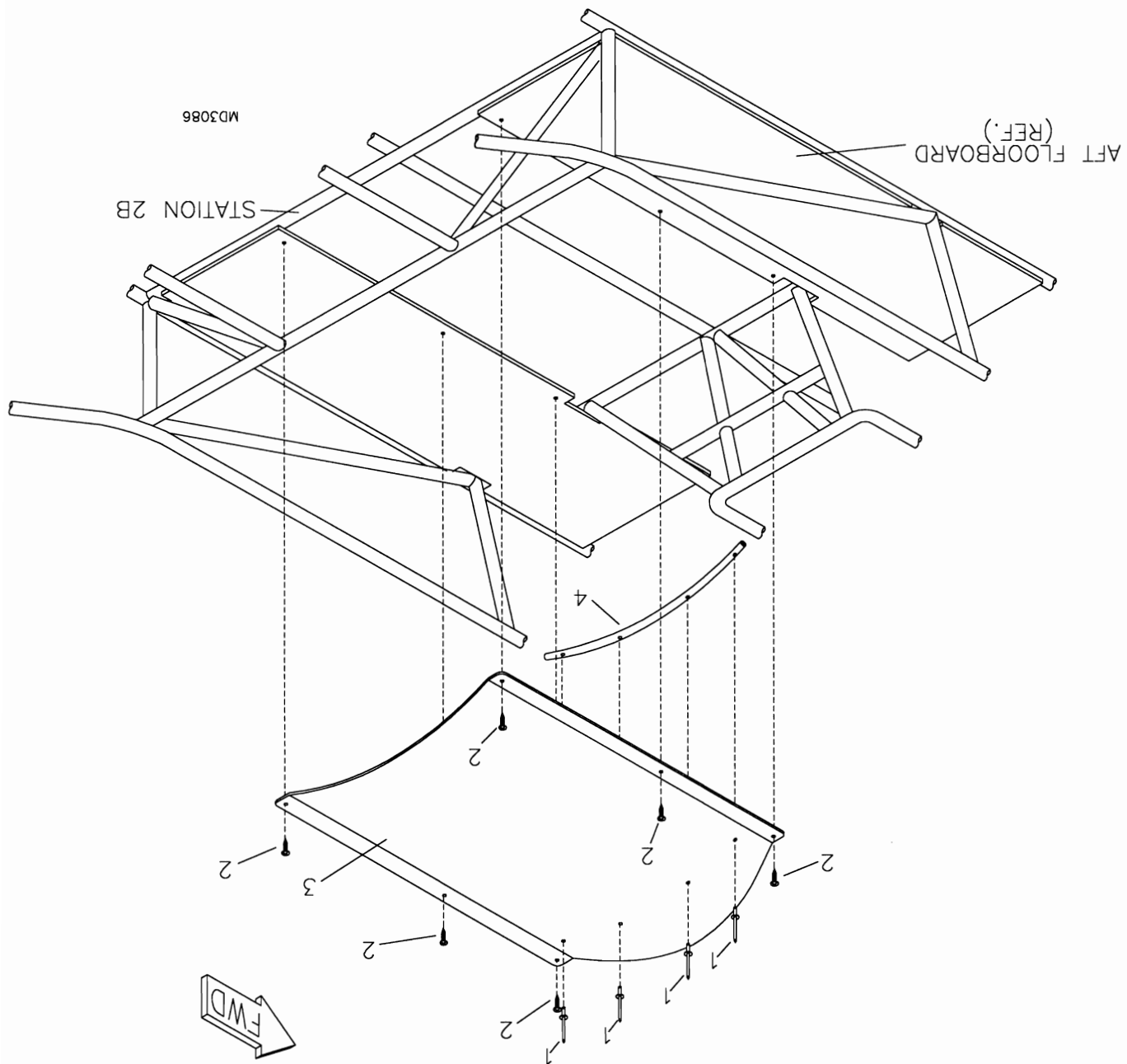


OPTIONAL BUBBLE LEXAN (DOOR ASSEMBLY)

S-7 COURIER - OPTIONAL BUBBLE LEXAN (DOOR ASSEMBLY)

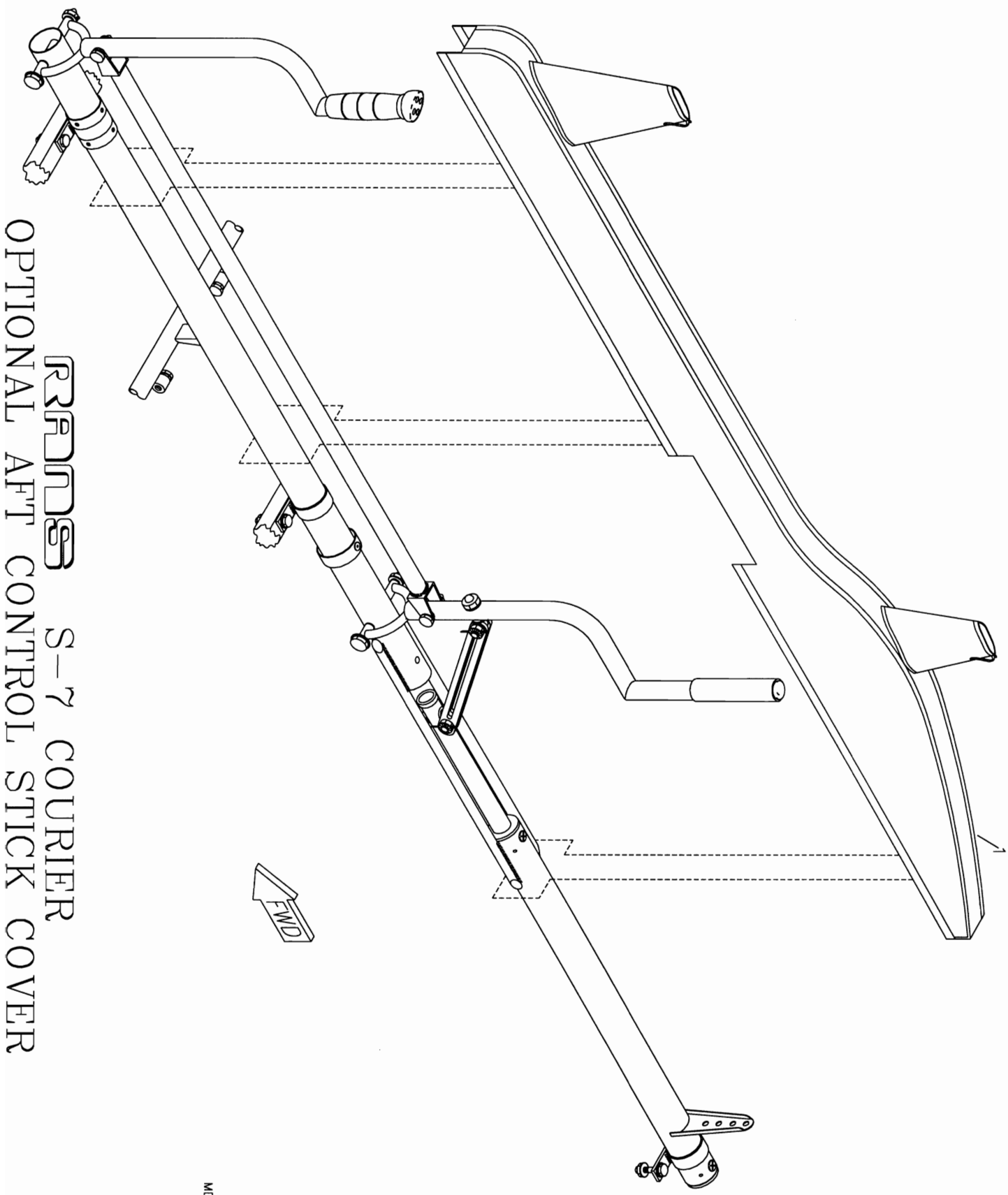
#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Door Lexan, Bubble - RH	KPDR0064-R	1
1 .	Door Lexan, Bubble - LH	KPDR0064-L	1
2 .	Door Up Catch Socket	D-UCS	2
3 .	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	2
4 .	Loctite Blue	LOC-TITE	0
5 .	Door Up Catch	KPDR0065	2

RRMS S-7 COURIER OPTIONAL RUDDER CABLE GUARD



S-7 COURIER - OPTIONAL RUDDER CABLE GUARD

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-41	4
2 .	#4 Small Pan Head Screw	4X1/4 PHS	6
3 .	Rudder Cable Guard	KPIN0035	1
4 .	Support Tube - Rudder Cable Guard	KPIN0036	1



RRANDS S-7 COURIER
OPTIONAL AFT CONTROL STICK COVER

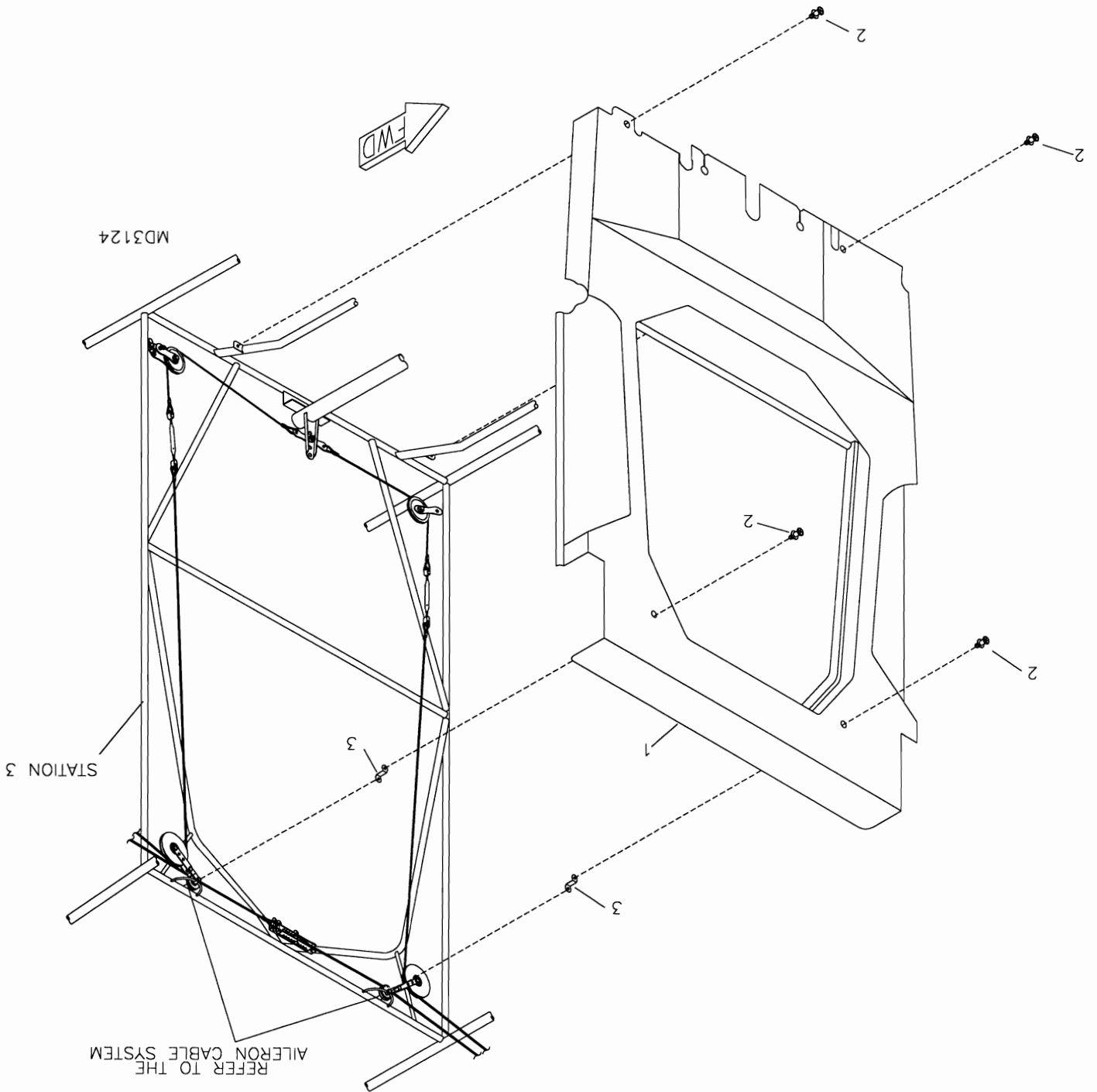
MD3123

S-7 COURIER - OPTIONAL AFT CONTROL STICK COVER

PAGE 009-16

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Control Stick Cover	KPIN0054	1

RRMS S-7 COURIER STATION 3 CLOSE OUT INSTALLATION

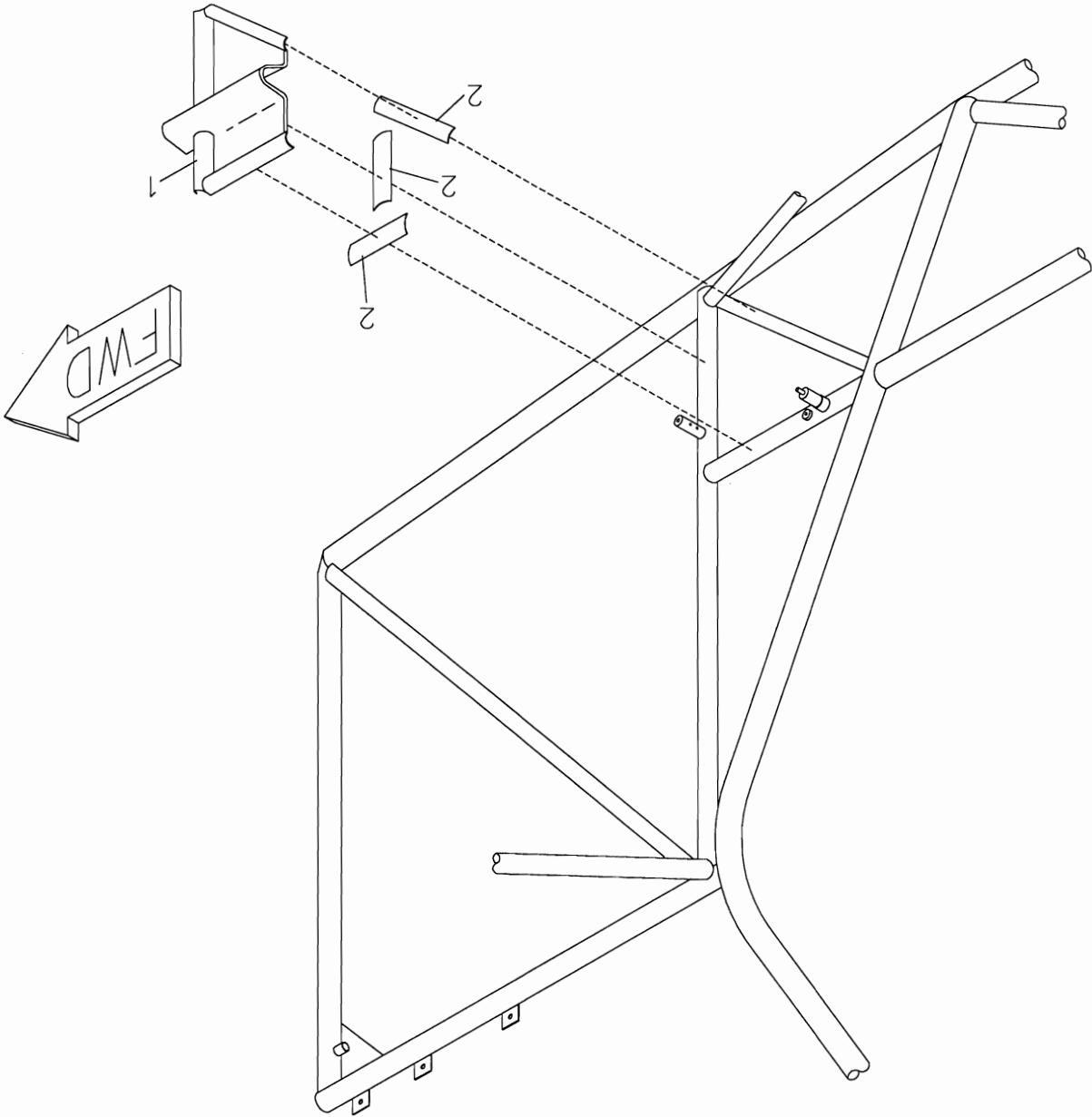


S-7 COURIER - OPTIONAL STATION 3 CLOSEOUT INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Station 3 Close Out	KPIN0037	1
2 .	Screw Rivet	M60-0580-01	4
3 .	Attach Bracket	KPAC0132	2

RMS S-7 COURIER THROTTLE CABLE GUARD INSTALLATION

MD3177



S-7 COURIER - OPTIONAL THROTTLE CABLE COVER INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1 .	Throttle Cable Cover	KPIN0044	1
2 .	Acrylic Foam Tape	4929	1 ft