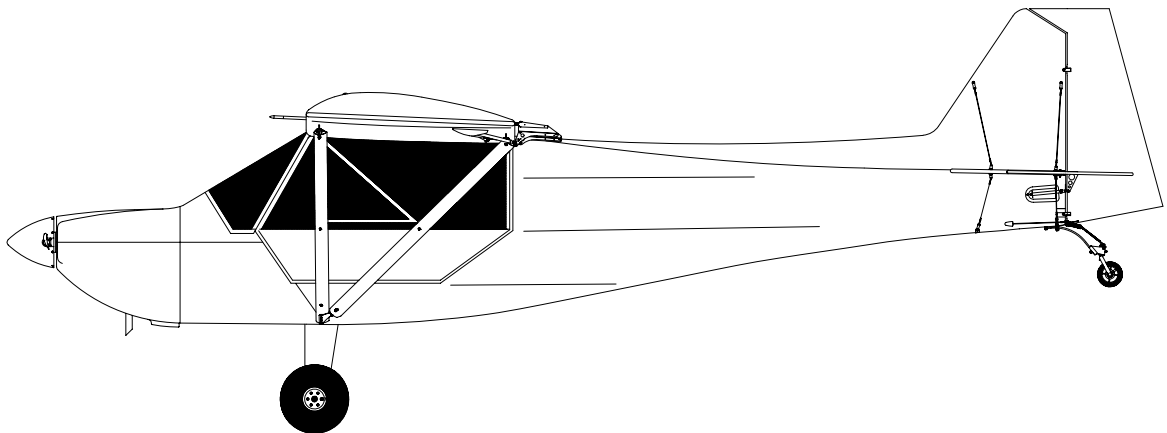


RANS

S-7S COURIER

PARTS MANUAL



Serial Number:

Registration Number:

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PARTS MANUAL

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002	CONTROL SYSTEMS
003	ENGINE – 912S
004	INSTRUMENTS & ELECTRICAL
005	WINGS
006	EXTERNAL ASSEMBLIES
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008	INTERNAL ASSEMBLIES
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PARTS MANUAL

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PARTS MANUAL

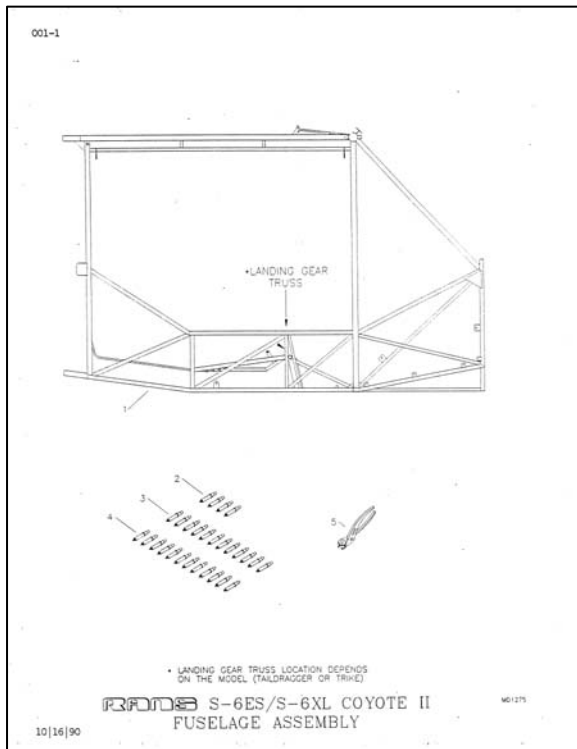
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09 – 10	WARP DRIVE PROP INSTALLATION
11 – 12	8.00 X 6 MAIN GEAR ASSEMBLY
13 – 14	8" PNEUMATIC TAILWHEEL
15 – 16	LANDING LIGHT INSTALLATION

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

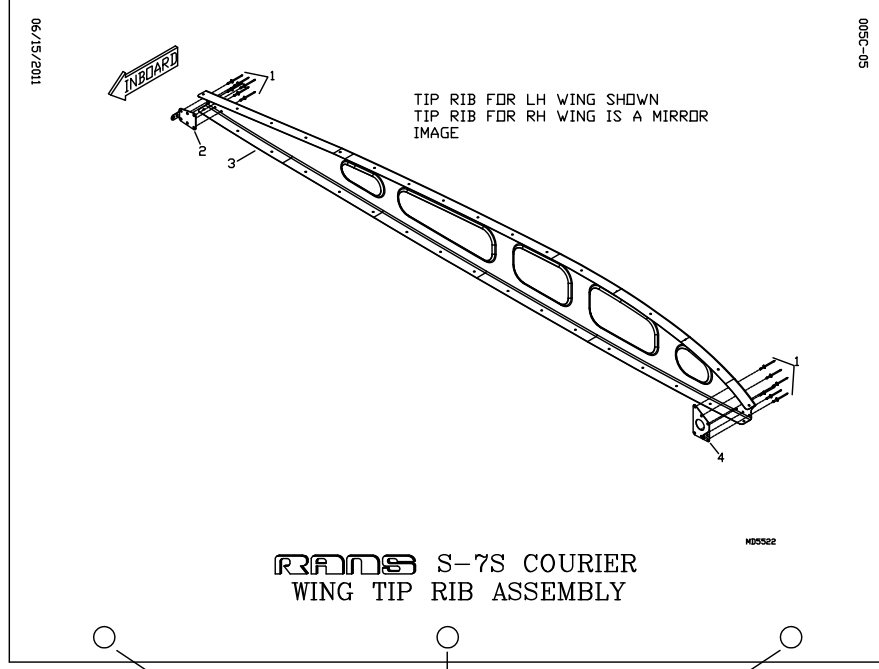
2/24/98

Parts List page

STEP 1:

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

PARTS DRAWING PAGE



3-HOLE PUNCH

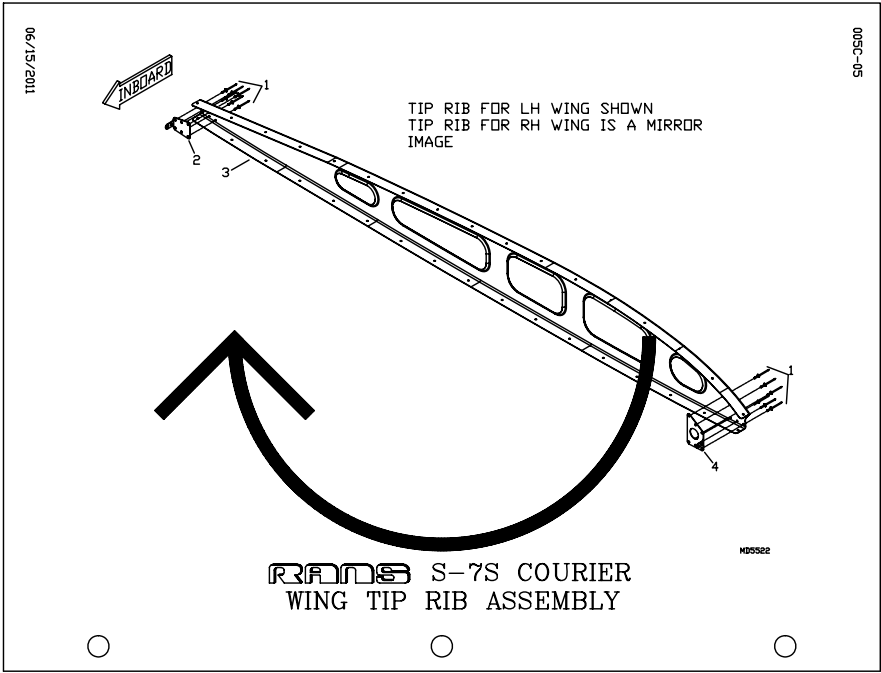
EXAMPLE ONLY.
MAY NOT REPRESENT ACTUAL PAGES
FROM YOUR MANUAL.

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

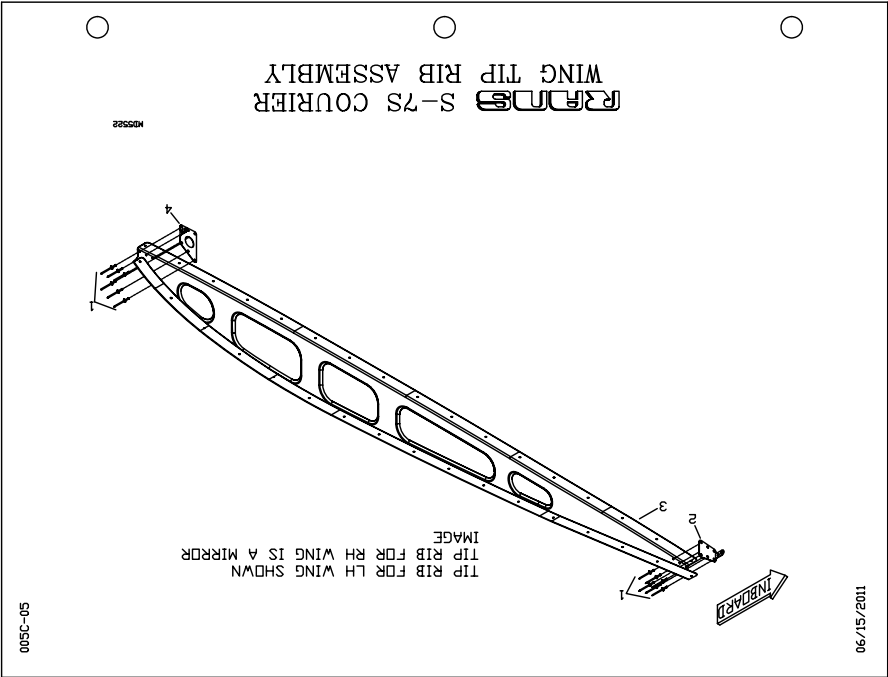
EXAMPLE ONLY.
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FROM YOUR MANUAL.

SEE NEXT PAGE

STEP 3:

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

PARTS DRAWING PAGE



PARTS DESCRIPTION PAGE

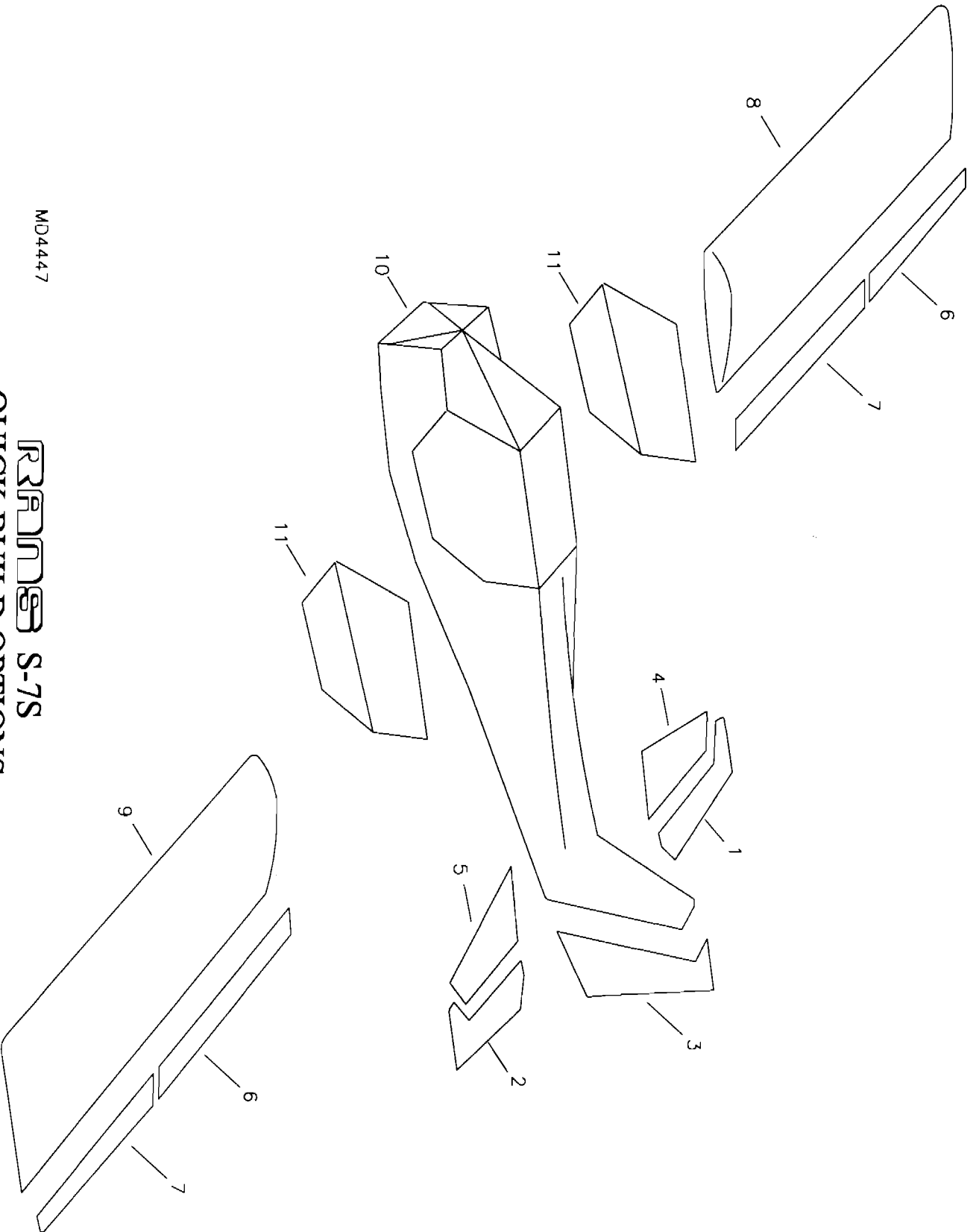
PAGE 005C-06

S-7S COURIER - WING - TIP RIB ASSEMBLY

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

6/15/2011

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



MD4447

REFUGES S-7S
QUICK BUILD OPTIONS

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Elevator Assembly RH - Quick Build	KAEL0022	1
2.	Elevator Assembly LH - Quick Build	KAEL0023	1
3.	Rudder Assembly - Quick Build	KARD0018	1
4.	Horiz. Stab. RH - Quick Build	KAHS0042	1
5.	Horiz. Stab. LH - Quick Build	KAHS0043	1
6.	Flap Assembly RH/LH - Quick Build	KAFL0017	2
7.	Aileron Assembly RH/LH - Quick Build	KAAL0013	2
8.	Wing Assembly RH - Quick Build	KAWI0030	1
9.	Wing Assembly LH - Quick Build	KAWI0031	1
10.	Fuselage Assembly - Quick Build	KAFU0044	1
11.	Door Assembly RH/LH - Quick Build	KADR0006	2

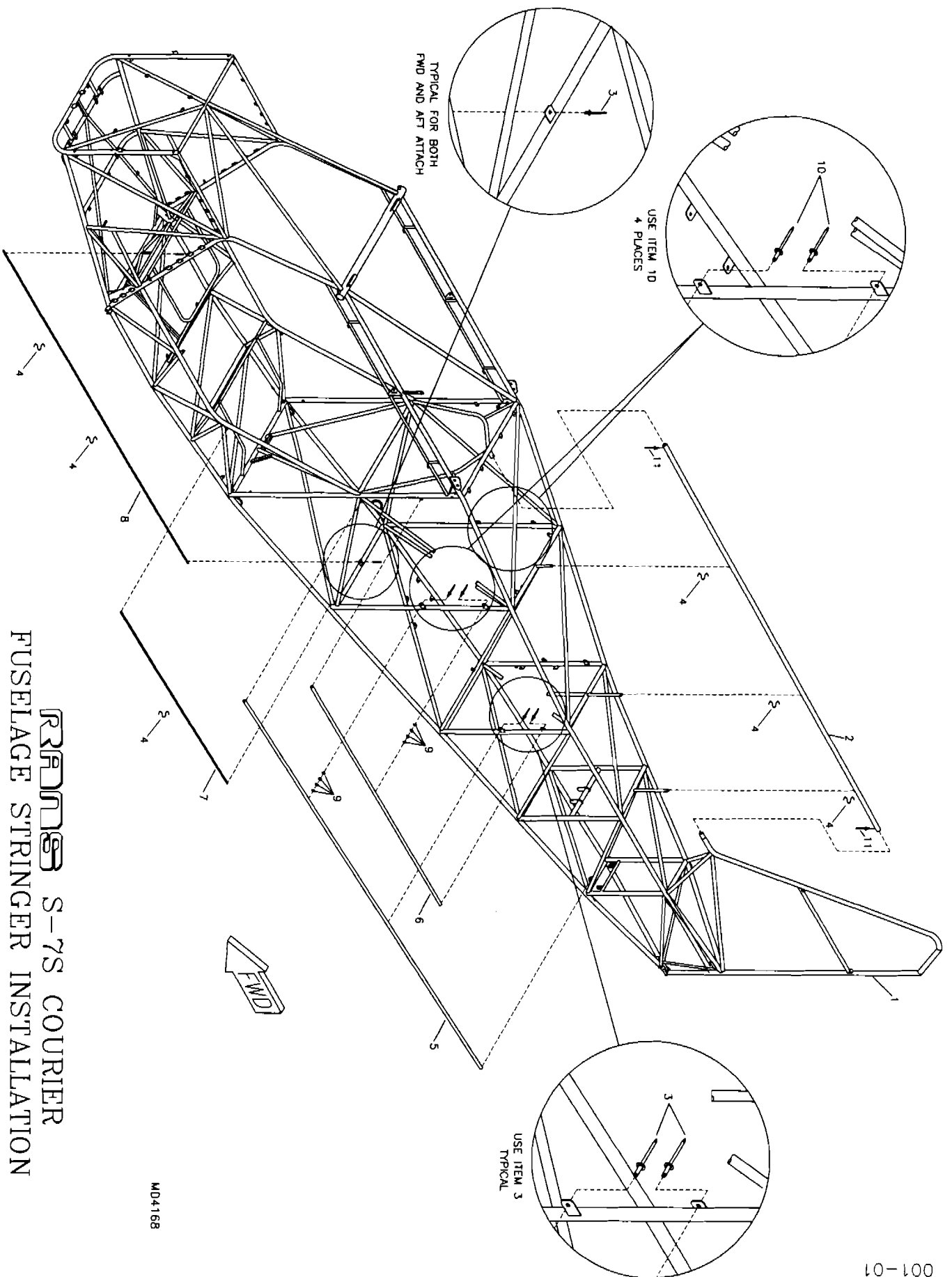
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Assembly Manual	ASSEMBLY MANUAL (7)	1
2.	Flight Log	FLIGHT LOG	1
3.	Maintenance Log	MAINTENANCE LOG	1
4.	RANS Decals - Black **	RANS DECAL-B	0
4.	RANS Decals - White **	RANS DECAL-W	0
5.	S-7S Decal - Black **	KPPL0010	0
5.	S-7S Decal - White **	KPPL0011	0
6.	Raw Stock Kit	KAAC0042	1
6.	1/4" x .028 Aluminum Tubing *	KAAC0042-1	144 in
6.	3/8" x .058 Aluminum Tubing *	KAAC0042-2	6 in
6.	1/2" x .028" x 144" Aluminum Tubing *	KAAC0042-3	4
6.	7/8" x .049 Aluminum Tubing *	KAAC0042-4	108 in
6.	.020 (6" x 6") Lexan Sht *	KAAC0042-5	1
6.	.020 (0.75" x 8") Aluminum Sht *	KAAC0042-6	1
6.	1/8" Stainless Steel Rod *	KAAC0042-7	3 ft
6.	3/8" x .095 Aluminum Tubing *	KAAC0042-9	6 in
6.	1/2" x .058 Aluminum Tubing *	KAAC0042-10	4 in
6.	3/8" x .035 Aluminum Tubing *	KAAC0042-11	13 in
6.	.020 (2" X 2") Aluminum Sht *	KAAC0042-12	1
7.	Loctite Blue ***	LOC-TITE	0
8.	Safety Wire ***	MS209956C32	0
9.	#40 Silver Clecos	#40CLECOS	6
10.	#30 Copper Clecos	#30CLECOS	15
11.	#11 Gold Clecos	#11CLECOS	6
12.	Cleco Pliers	CLECO PLIERS	1

*Supplied in Raw Stock Kit

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

***Builder provides.

1/30/2014



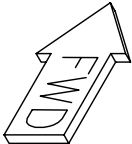
RRR S-7S COURIER FUSELAGE STRINGER INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Fuselage	KAFU0043	1
2.	Vertical Stabilizer Stringer, 7/8" x .049 x 98" *	KAAC0042-4	0
3.	1/8" Aluminum Rivet - Cherry Q	AAPQ-42	12
4.	Safety Wire **	-----	0
5.	Upper Aft Side Former, 1/2" x .028" x 60" *	KAAC0042-3	0
6.	Center Aft Side Former, 1/2" x .028" x 87" *	KAAC0042-3	0
7.	Lower Aft Side Former, 1/4" x .028 x 46" *	KAAC0042-1	0
8.	Bottom Former, 1/2" x .028" x 80" *	KAAC0042-3	0
9.	3/16" Plastic Washer	PW-3	16
10.	1/8" Aluminum Rivet - Cherry Q	AAPQ-46	4
11.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-42	2

*Builder must fabricate from raw stock

** Builder supplied

6/1/2001



SUGGESTED OUTSIDE AIR
TEMPERATURE PROBE MOUNTING
(IF EQUIPPED).

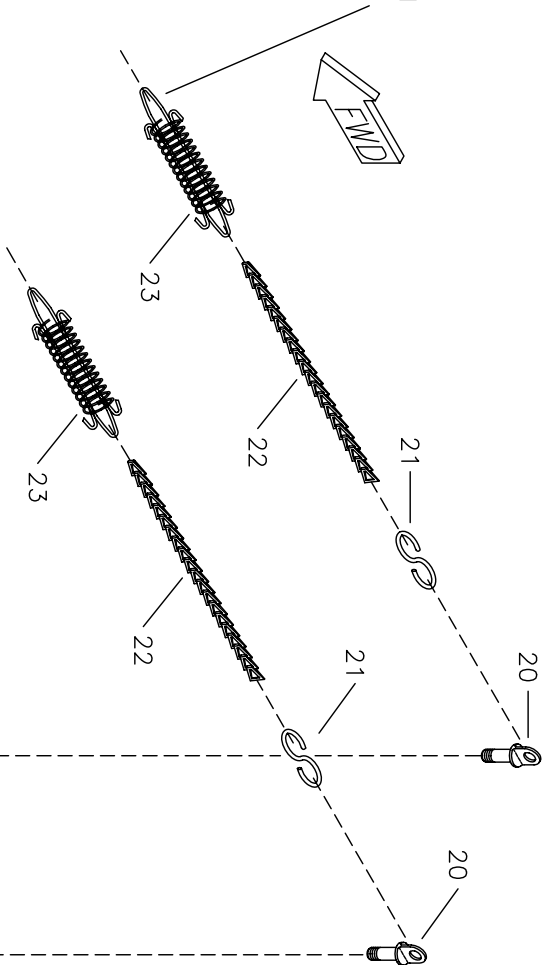
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Bolt, Close Tolerance	NAS6605-25	2
2.	5/16" Shear Nut	AN364-524A	2
3.	5/16" Thick Washer	AN960-516	2
4.	3/8" Bolt	AN6-17A	4
5.	3/8" Thick Washer	AN960-616	4
6.	3/8" Tensile Loc Nut	AN365-624A	4
7.	5/16" Bolt	AN5-16A	4
8.	5/16" Thin Washer	AN960-516L	6
9.	5/16" Tensile Nut	AN365-524A	4
10.	600 x 6 Tire	KSMG0008	2
11.	600 x 6 Tube	KSMG0016	2
12.	Axle **	-----	0
13.	Castle Nut **	-----	0
14.	Cotter Pin **	-----	0
15.	Hydraulic Brake Assembly, 6"	KSBS0030	2
16.	Gear Leg Assembly	KAMG0014	2
17.	Gear Leg Fairing, LH	KPMG0154-L	1
17.	Gear Leg Fairing, RH	KPMG0154-R	1
18.	Tinnerman	A1789-8Z-1	4
19.	Fairing Rib - Main Gear	KPMG0126	2
20.	Thread Sealant *	-----	0
21.	Adhesive *	-----	0
22.	3/32" Aluminum Rivet	40APR1/8	14
23.	#8 Pan Head Screw	8X1/2 PHS	4
24.	Rubber Edging	X1011	3 ft
25.	Main Gear Fairing Lower Bracket - LH	KPMG0127-L	1
25.	Main Gear Fairing Lower Bracket - RH	KPMG0127-R	1
26.	90 Degree Fitting	KSBS0017	2
27.	7.8mm Drill Bit	KPAC0208	1
28.	Reamer - 0.3115"	KPAC0207	1
29.	Washer **	-----	0
30.	Safety Wire *	-----	0

*Builder Supplied

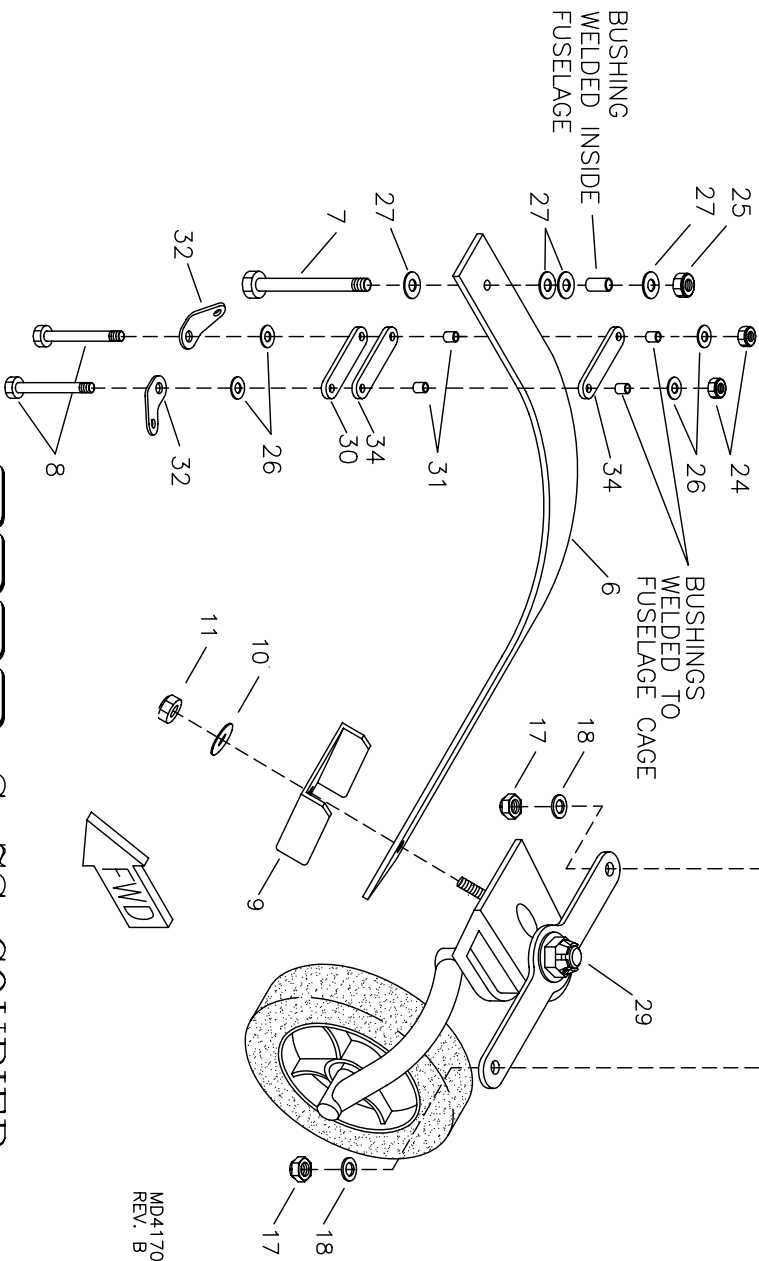
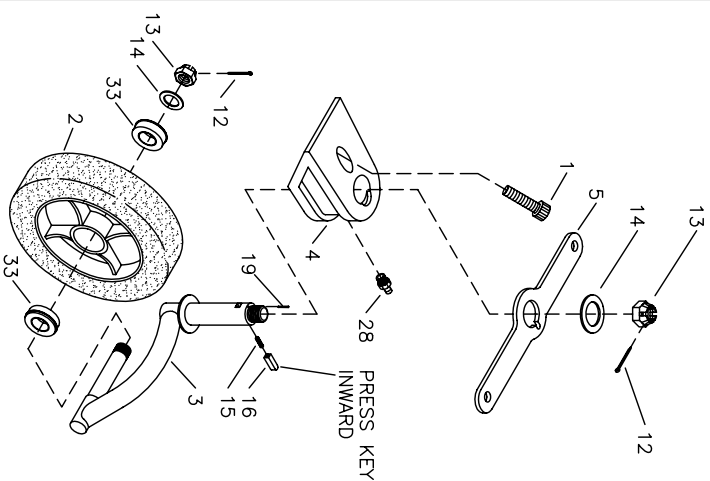
**Supplied with KSBS0030

3/1/2008

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



TAILWHEEL ASSEMBLY DETAIL



RRM S-7S COURIER TAILWHEEL ASSEMBLY AND INSTALLATION

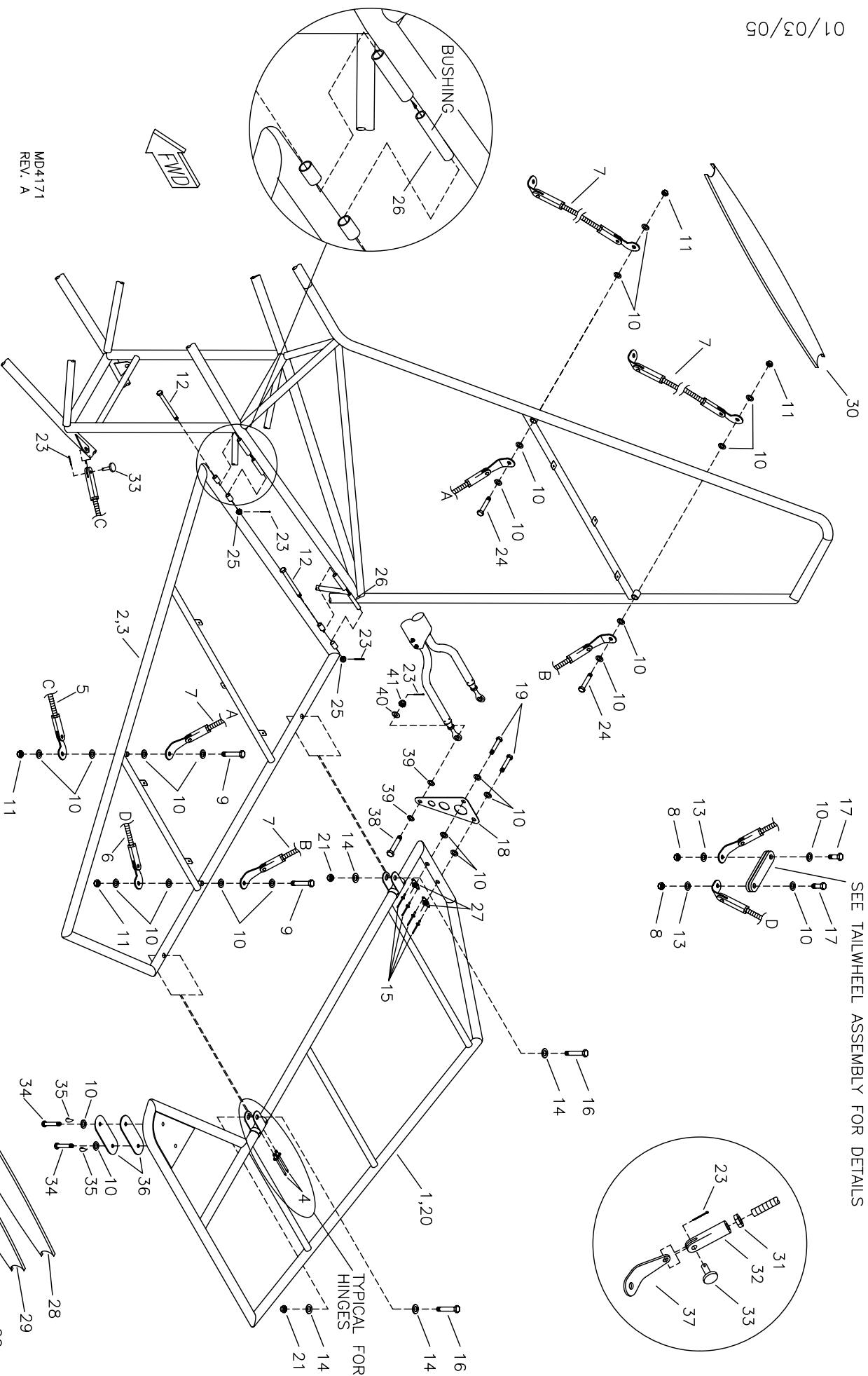
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Socket Head Cap Screw *	KSHW0058	0
2.	Tailwheel *	KSTG0002	0
3.	Tailwheel - Fork *	KPTG0005	0
4.	Tailwheel - Swivel Block *	KPTG0003	0
5.	Tailwheel - Steer Horn *	KPTG0004	0
6.	Tail Spring	KPTG0024	1
7.	5/16" Bolt	AN5-20A	1
8.	3/16" Bolt	AN3-21A	2
9.	Tailwheel - Spring Channel *	KPTG0007	0
10.	3/8" Thick Washer *	AN960-616	0
11.	3/8" Tensile Loc Nut *	AN363-624A	0
12.	Large Cotter Pin *	MS24665-285	0
13.	1/2" Castle Nut *	AN320-8	0
14.	1/2" Thick Washer *	MS27183-17	0
15.	Tailwheel - Tension Spring *	KSTG0003	0
16.	Tailwheel - Tension Key *	KPTG0006	0
17.	1/4" Shear Nut	AN364-428A	2
18.	1/4" Thick Washer	AN960-416	2
19.	Tailwheel - Spring Pin *	1/16" X 7/16" ROLL PIN	0
20.	1/4" Eyebolt	AN43B-5A	2
21.	S-Hook - Steer Horn	TW-SHOOK	2
22.	Chain - Steer Horn***	TW-C	1
23.	Spring - Steer Horn	TW-S-SPR	2
24.	3/16" Tensile Nut	AN365-1032A	2
25.	5/16" Tensile Nut	AN365-524A	1
26.	3/16" Thick Washer	AN960-10	4
27.	5/16" Thick Washer	AN960-516	4
28.	Grease Fitting *	MS5003-1	0
29.	Tailwheel Assembly	KATG0002	1
30.	Pillow Block Strap	PBS	1
31.	Aluminum Tailwheel Bushing, 1/4" x .028 x .31" **	KAAC0042-1	0
32.	Attach Tang****	KPHS0041	0
33.	Tailwheel Bearing*	150-499	0
34.	Gear Strap	KPTG0036	2

*Supplied in tailwheel assembly.

Builder must fabricate from raw stock. *Builder Modifies

****Modified Attach Tang (Horizontal Stabilizer Bottom) Refer to Horz Stabilizer & Elevator Install

9/19/2006



RENO S-7S COURIER HORIZONTAL STABILIZER & ELEVATOR ASSEMBLY AND 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 Rod	KPHW0003	2
6.	Lower AFT Rod	KPHW0002	2
7.	Top Rod	KPHW0004	4
8.	3/16" Shear Nut	AN364-1032A	2
9.	3/16" Bolt	AN3-15A	4
10.	3/16" Thin Washer	AN960-10L	40
11.	3/16" Tensile Nut	AN365-1032A	6
12.	3/16" Bolt	AN3-33	4
13.	3/16" Thick Washer	AN960-10	2
14.	1/4" Thin Washer	AN960-416L	8
15.	3/32" Aluminum Pop Rivet	40APR1/8	8
16.	1/4" Bolt	AN4-14A	4
17.	3/16" Bolt	AN3-5A	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 Pop Rivet - Avex	1691-0410	13
23.	Small Cotter Pin	MS24665-134	22
24.	3/16" Bolt	AN3-14A	2
25.	3/16" Castle Nut	AN310-3	4
26.	Aluminum Bushing, 3/8" x .095 x 1.50	KPAC0060	4
27.	3/16" Nut Plate	K-1000-3	4
28.	Inner Compression Rib-Horizontal Stabilizer	KPHS0038	2
29.	Outer Compression Rib-Horizontal Stabilizer	KPHS0037	2
30.	Compression Rib-Vertical Stabilizer	KPVS0051	1
31.	Jam Nut	AN315-640-L	8
31.	Jam Nut	AN315-640-R	8
32.	Tie Rod End	AN665-10L	8
32.	Tie Rod End	AN665-10R	8
33.	Clevis Pin	AN393-9	16
34.	Screw	AN526-C1032-R12	4
35.	Loctite Blue ***	LOC-TITE	0
36.	1/4" Lead Sheet***	----	0
37.	Attach Tang**	KPHS0041	14
38.	1/4" Bolt	AN4-10	2
39.	1/4" Thin Washer	AN960-416L	4
40.	1/4" X 5/8 Steel Washer	KSHW0075	2
41.	1/4" Castle Nut	AN310-4	2

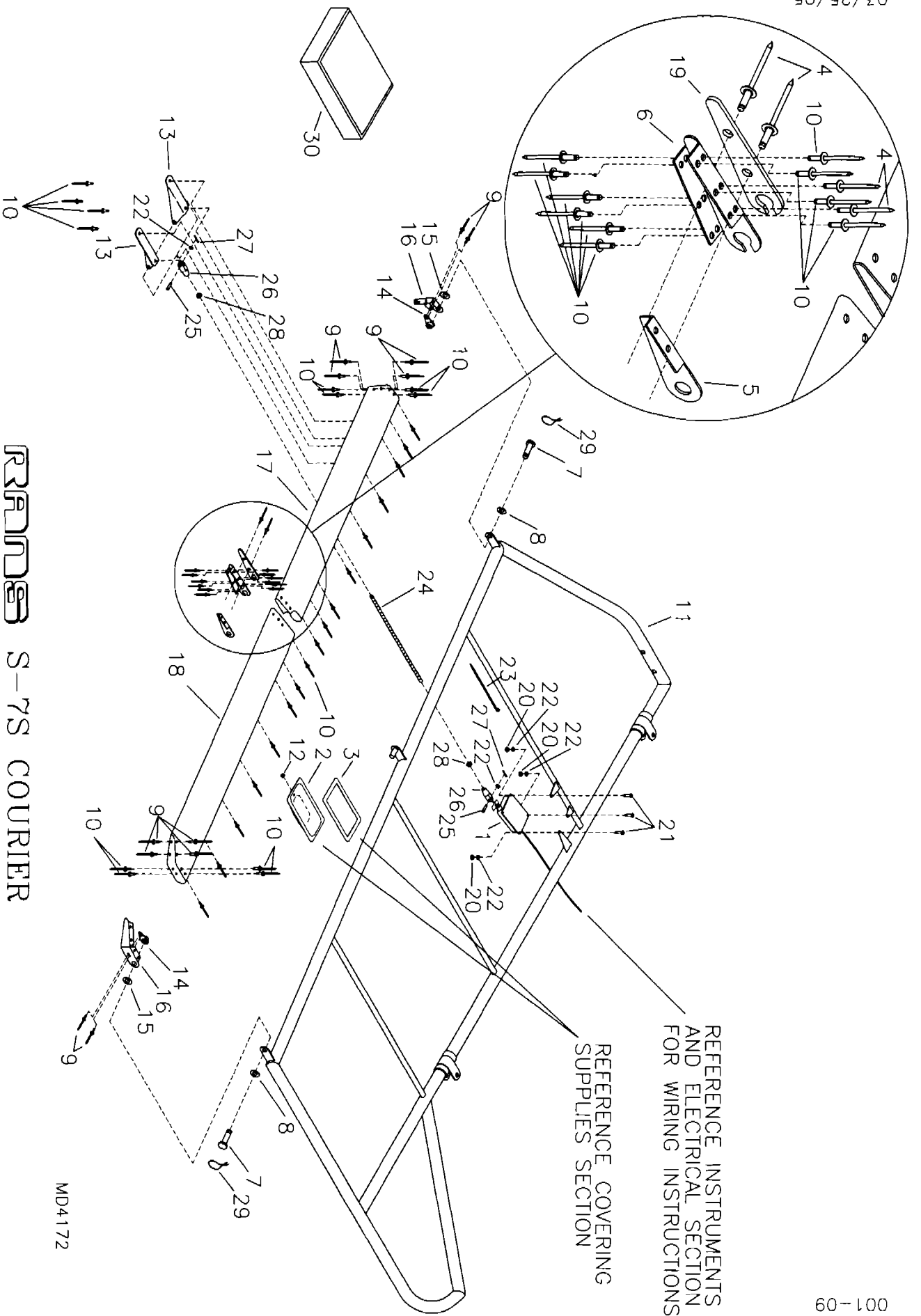
*Used on left hand elevator only.

**Builder must modify

***Builder supplies

1/3/2005

RRR S-7S COURIER TRIM TAB ASSEMBLY AND INSTALLATION



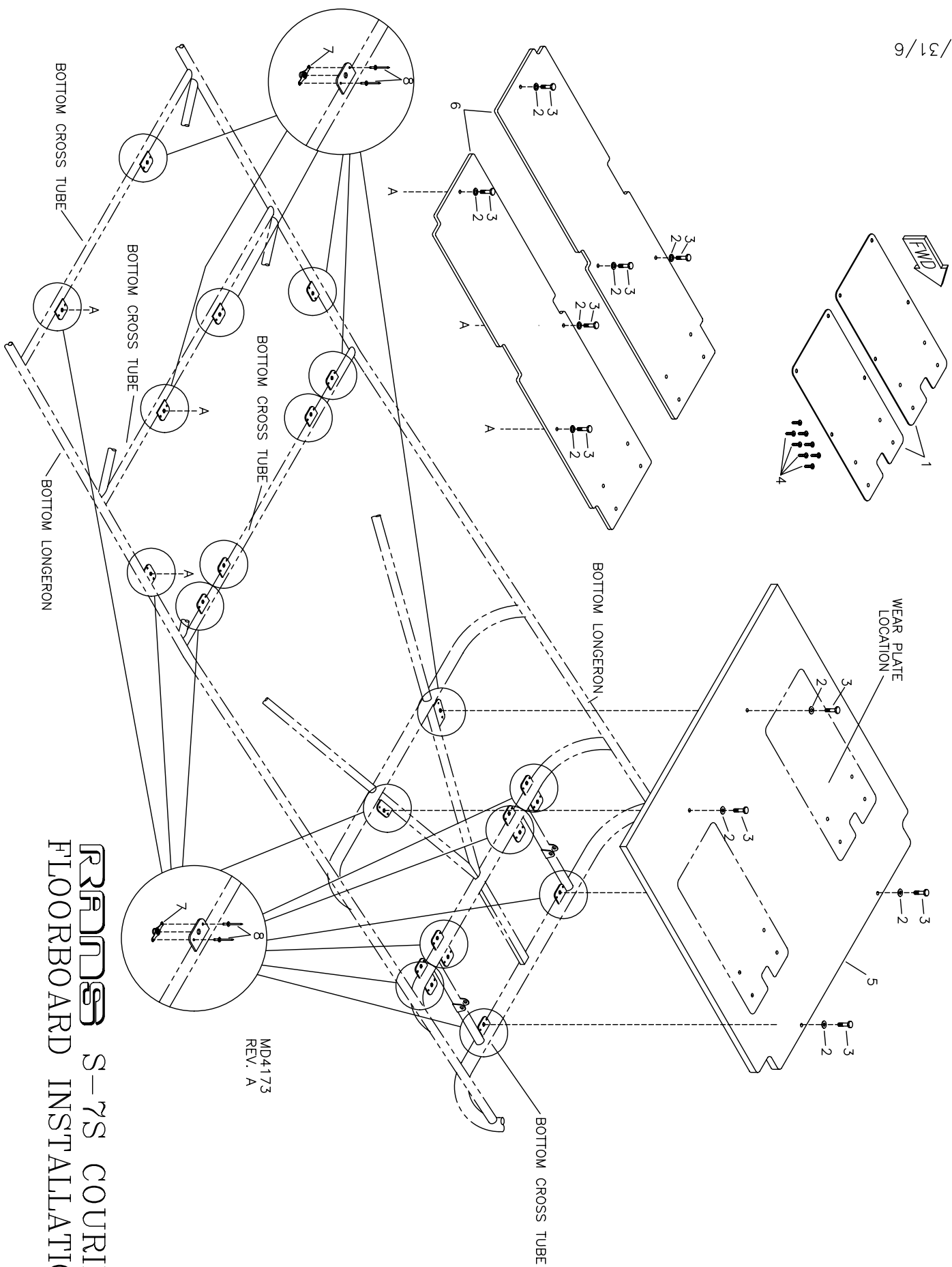
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Trim Servo***	KSTR0001-1	0
2.	Trim Exit Cover *	KPCV0026	0
3.	Trim Exit Ring *	KPCV0027	0
4.	1/8" Aluminum Rivet - Cherry Q	AAPQ-42	4
5.	Hinge Lock	KPTR0018	1
6.	Trim Tab Center Rib	KPTR0011	1
7.	3/16" Bolt	AN3H-5A	2
8.	3/16" Thin Washer	AN960-10L	2
9.	3/32" Aluminum Rivet	40APR1/8	12
10.	1/8" Aluminum Rivet - Cherry Q	AAPQ-41	40
11.	Elevator - RH **	KAEL0021	0
12.	Grommet	KSAC0002	1
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
23.	Plastic Tie-4"	MS3367-4-9	1
24.	Push Rod***	KSTR0001-3	0
25.	Clevis Pin***	KSTR0001-5	0
26.	Clevis***	KSTR0001-4	0
27.	Cotter Pin***	KSTR0001-6	0
28.	Jam Nut***	KSTR0001-8	0
29.	Safety Wire ****	-----	0
30.	Trim Servo Kit	KSTR0001	1

*Referenced from Covering Supplies Section

**Referenced from Tail Group Assembly & Installation

*** Included in Trim Servo Kit ***Builder Supplied

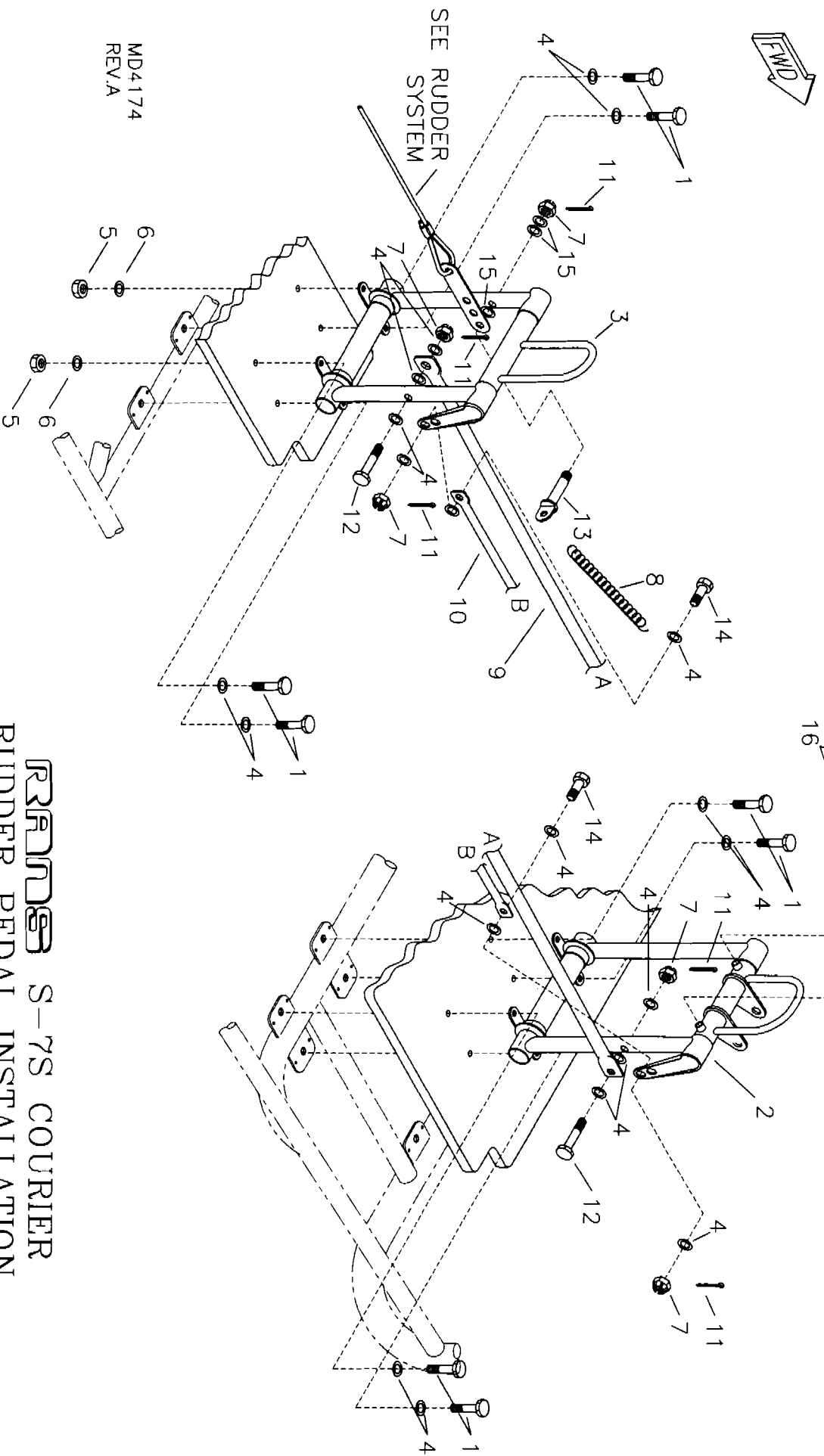
6/1/2001



RRR S-7S COURIER FLOORBOARD INSTALLATION

MD4173
REV. A

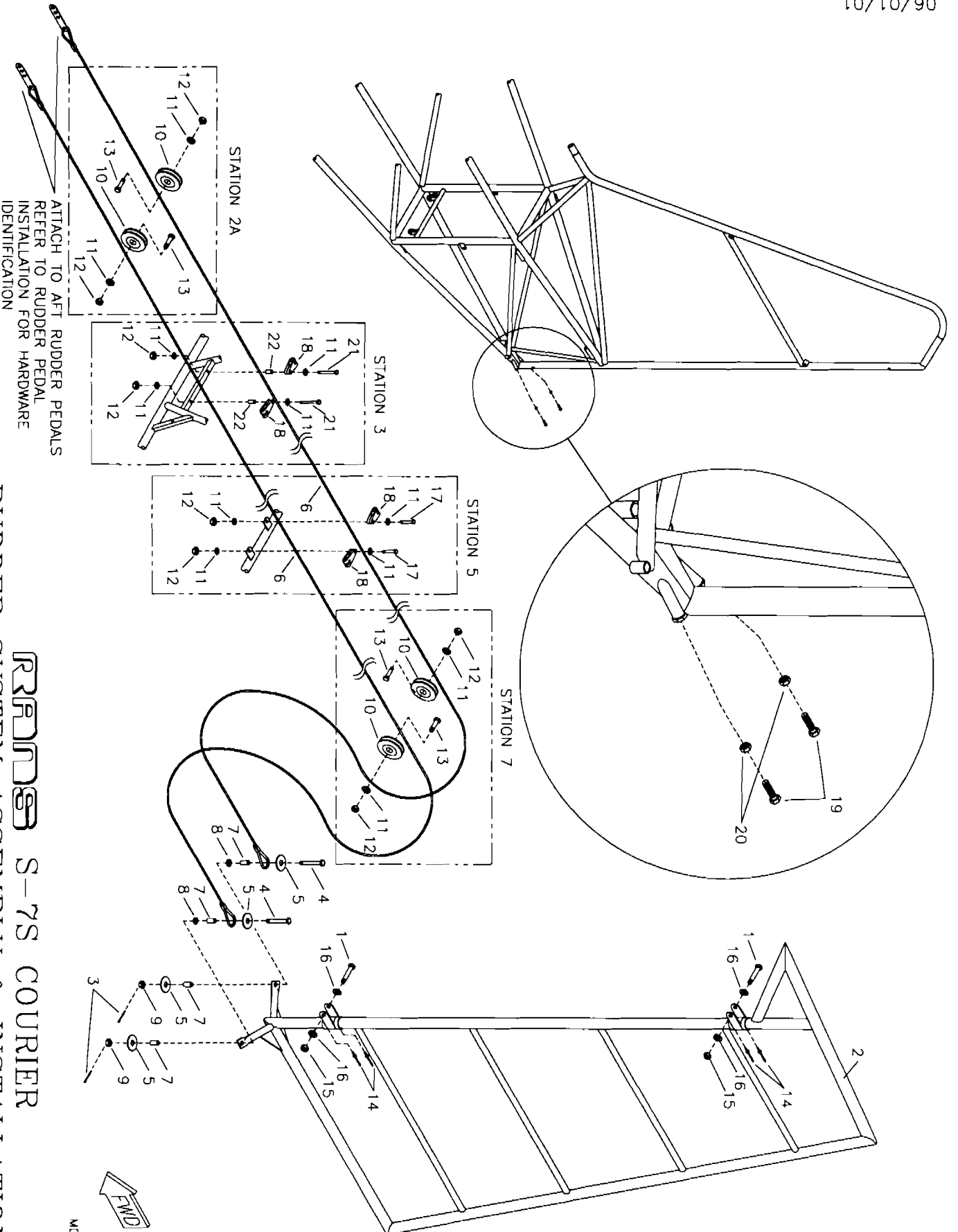
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Wear Plates	KPFU0556	2
2.	3/16" Large Washer	AN970-3	10
3.	3/16" Bolt	AN3-6A	10
4.	#4 Small Pan Head Screw	4X1/4 PHS	8
5.	Floorboard-FWD	KPFU0553	1
6.	Floorboard AFT - RH	KPFU0188-R	1
6.	Floorboard AFT - LH	KPFU0188-L	1
7.	3/16" Nut Plate	K-1000-3	22
8.	3/32" Aluminum Pop Rivet	40APR1/8	44



RRR S-7S COURIER RUDDER PEDAL INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-7A	16
2.	FWD Rudder Pedal, LH	KPCS0225-L	1
2.	FWD Rudder Pedal, RH	KPCS0225-R	1
3.	AFT Rudder Pedal, LH	KPCS0226-L	1
3.	AFT Rudder Pedal, RH	KPCS0226-R	1
4.	3/16" Thin Washer	AN960-10L	38
5.	3/16" Shear Nut	AN364-1032A	4
6.	3/16" Large Washer	AN970-3	4
7.	3/16" Castle Nut	AN310-3	10
8.	Rudder Return Spring	KPCS0178	2
9.	Rudder Pedal Push Pull Tube	KPCS0206	2
10.	Brake Push Pull Tube	KPBS0005	2
11.	Small Cotter Pin	MS24665-134	10
12.	3/16" Bolt	AN3-11	4
13.	3/16" Eye Bolt	AN42B-11	2
14.	3/16" Bolt	AN3-4	4
15.	3/16" Thick Washer	AN960-10	20
16.	3/16" Countersunk Machine Bolt	AN509-1032R14	4
17.	Loctite Blue *	-----	0
18.	Footbar-Rudder Pedals	KPRD0060	2

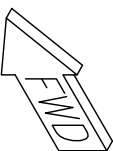
*Builder Supplied



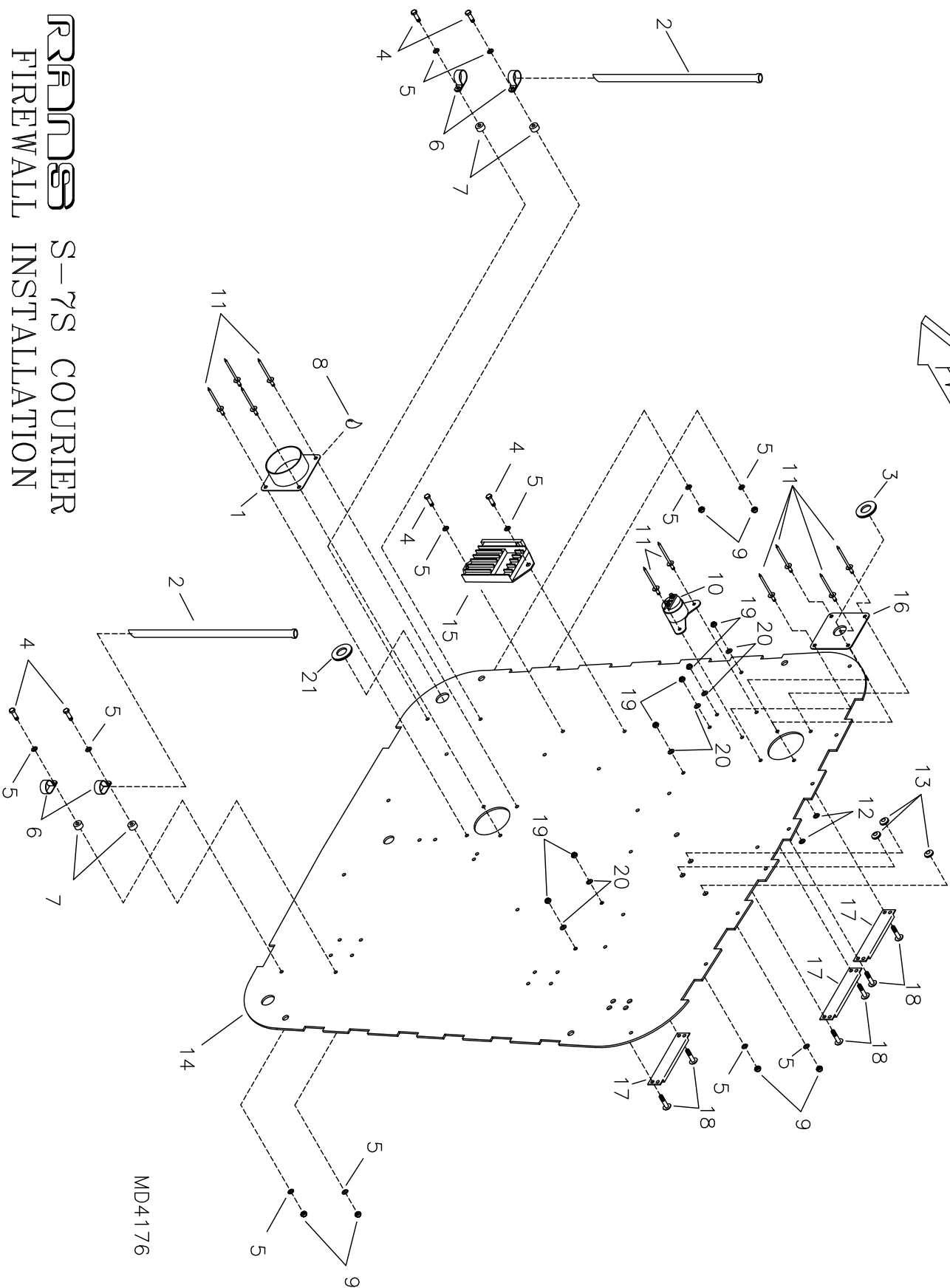
RRRnn88 S-7S COURIER RUDDER SYSTEM ASSEMBLY & INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-14A	2
2.	Rudder Frame Assembly	KARD0017	1
3.	Small Cotter Pin	MS24665-134	2
4.	3/16" Bolt	AN3-11	2
5.	3/16" Large Washer	AN970-3	4
6.	Rudder Cable Assembly	KACS0026	2
7.	Aluminum Tailwheel Bushing, 1/4" x .028 x .31"*	KAAC0042-1	0
8.	1/4" Thick Washer	AN960-416	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 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.	Bolt (1/4-28 x 3/4)	KSHW0016	2
20.	1/4" Plain Nut	AN345-416	2
21.	3/16" Bolt	AN3-17A	2
22.	Spacer Bushing, 3/8" x .095 x 1/2"*	KAAC0042-9	0

*Builder must fabricate from raw stock.



RESERVED S-7S COURIER FIREWALL INSTALLATION



MD4176

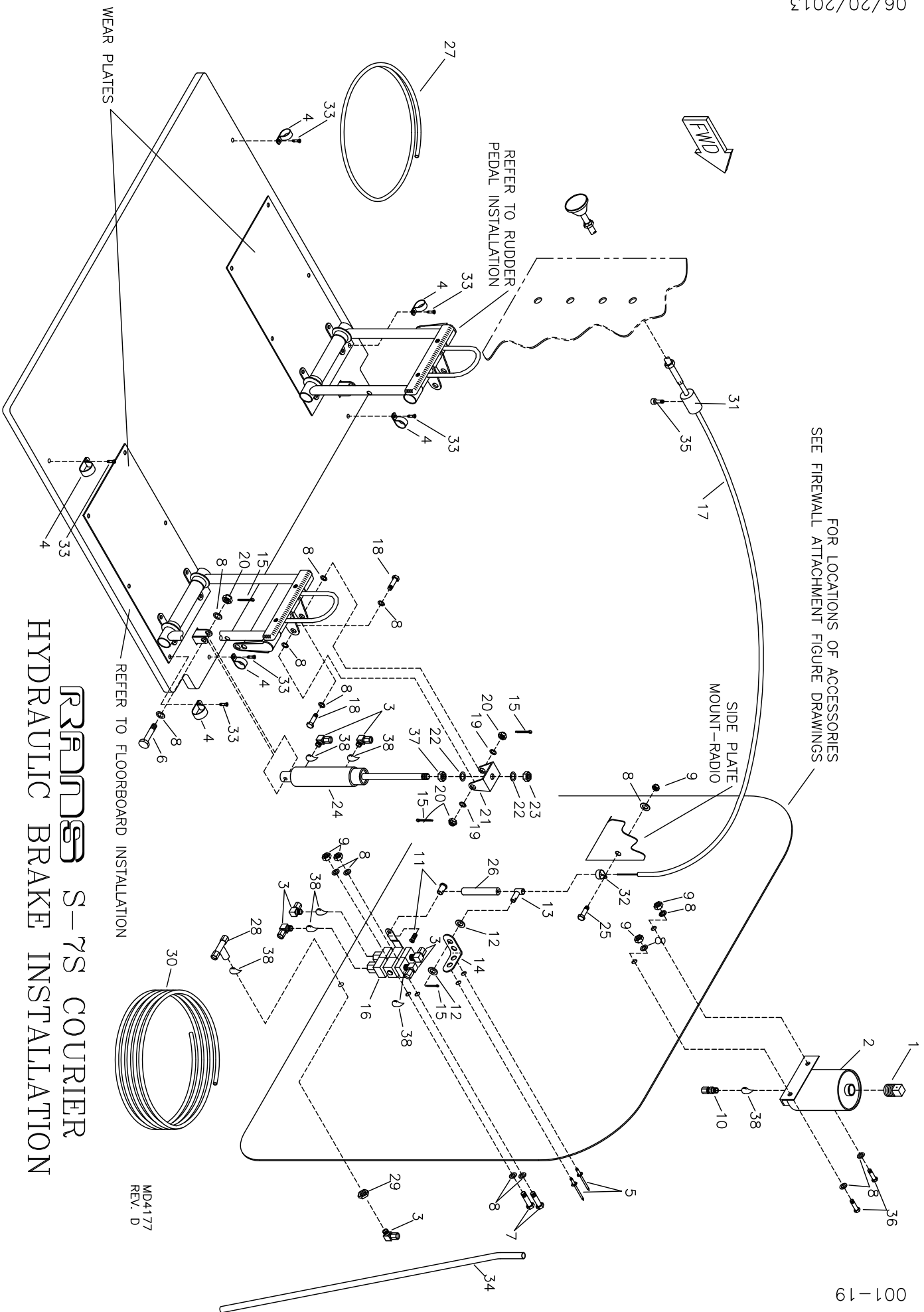
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Heater Flange Assembly	KASY0003	1
2.	1/4" x .028 Aluminum Tube*	KAAC0042-1	0
3.	Rubber Grommet	MS35489-17	1
4.	3/16" Bolt	AN3-5A	6
5.	3/16" Thin Washer	AN960-10L	12
6.	Plain Clamp	AN742-D4	4
7.	Spacer	KSHW0042	4
8.	Silicone Seal (Hi-Temp)***	-----	0
9.	3/16" Shear Nut	AN364-1032A	6
10.	Relay**	-----	0
11.	3/16" Aluminum Rivet - Cherry Q	AAPQ-62	10
12.	3/16" Thick Washer	AN960-10	2
13.	Grommet	KSAC0002	3
14.	Firewall	KPFW0016	1
15.	Regulator/ Rectifier**	-----	0
16.	.025 Sht. (2" x 2")*	KAAC0042-12	0
17.	Bus Bar	AMW 636	3
18.	Screw	MS27039-0809	6
19.	Nut	AN365-832A	6
20.	Brass Washer	AN960-B8	6
21.	Rubber Grommet	MS35489-11	1

*Builder fabricates from raw stock

**Supplied with engine.

**Builder Supplied

10/15/2003



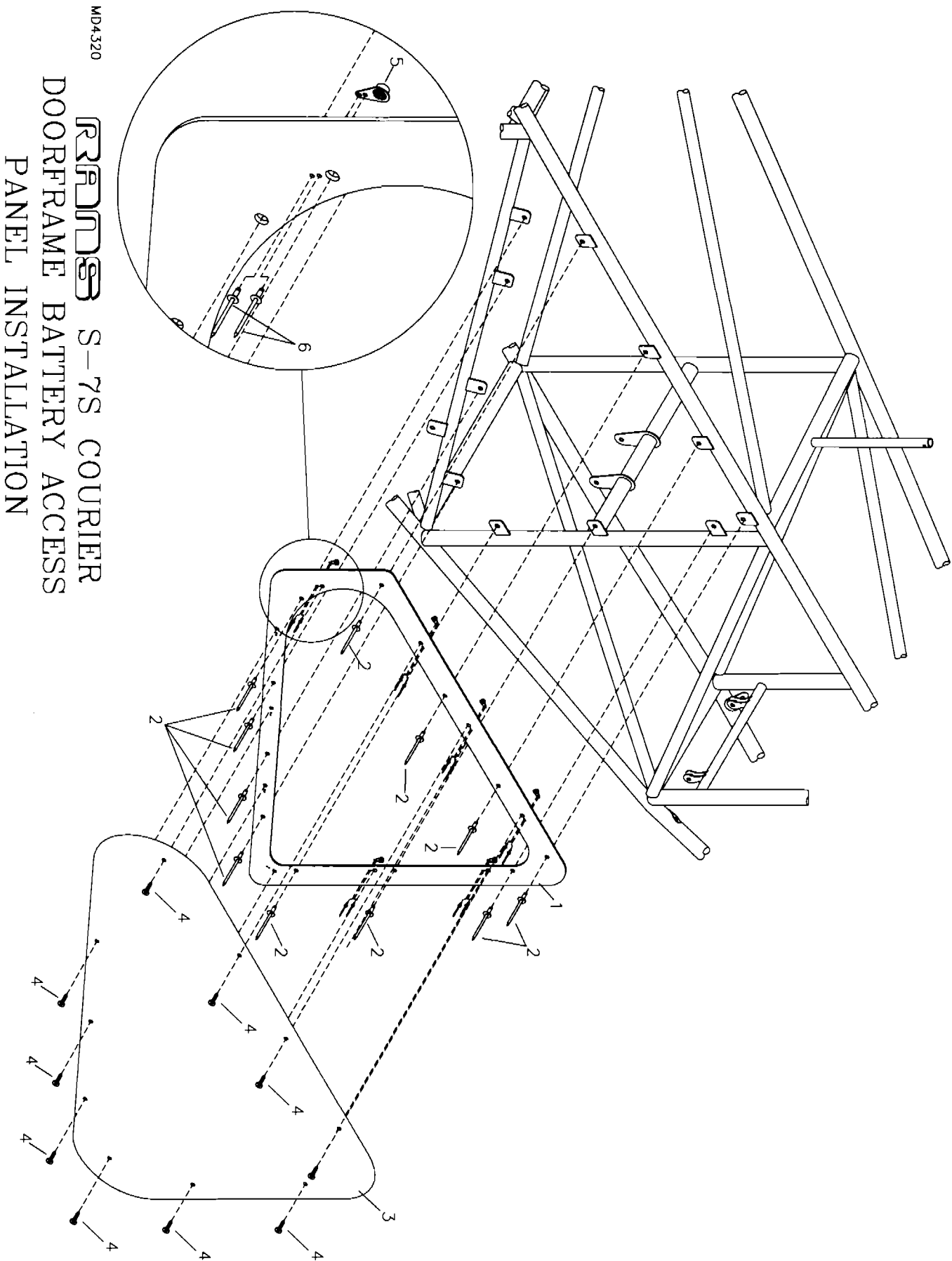
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Vented 1/8" Cap Plug ***	-----	0
2.	Hydraulic Brake Reservoir	KSBS0034	1
3.	90 Degree Fitting	KSBS0017	9
4.	Plain Clamp	AN742-D4	6
5.	3/16" Stainless Steel Rivet - Cherry Q	CCPQ-62	2
6.	3/16" Bolt	AN3-10	2
7.	3/16" Bolt	AN3-10A	2
8.	3/16" Thin Washer	AN960-10L	19
9.	3/16" Shear Nut	AN364-1032A	9
10.	Straight Fitting	KSBS0018	1
11.	Cable Swivel 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	7
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	4
20.	3/16" Castle Nut	AN310-3	6
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	KSBS0031	2
25.	3/16" Bolt	AN3-6A	1
26.	Blue Fuel Line - 1/4"	FS-FL	2 in
27.	Black Fuel Line - 1/4"	KSFS0002	1 ft
28.	Tee Fitting	KSBS0027	1
29.	Nut-Bulkhead	KSBS0028	1
30.	Hydraulic Brake Line	KSBS0019	20 ft
31.	Cable Friction Block	T-STOP	1
32.	1/4" Cushioned Clamp	MS21919-WDG4	1
33.	#6 Pan Head Screw	6RX1/2 PHS	6
34.	Brake Reservoir Line	KPBS0036	1
35.	Socket Head Cap Screw	T-SC	1
36.	3/16" Bolt	AN3-3A	2
37.	Jam Nut *	-----	0
38.	Thread Sealant **	-----	0

*Supplied with Brake Cylinder.

**Builder supplied

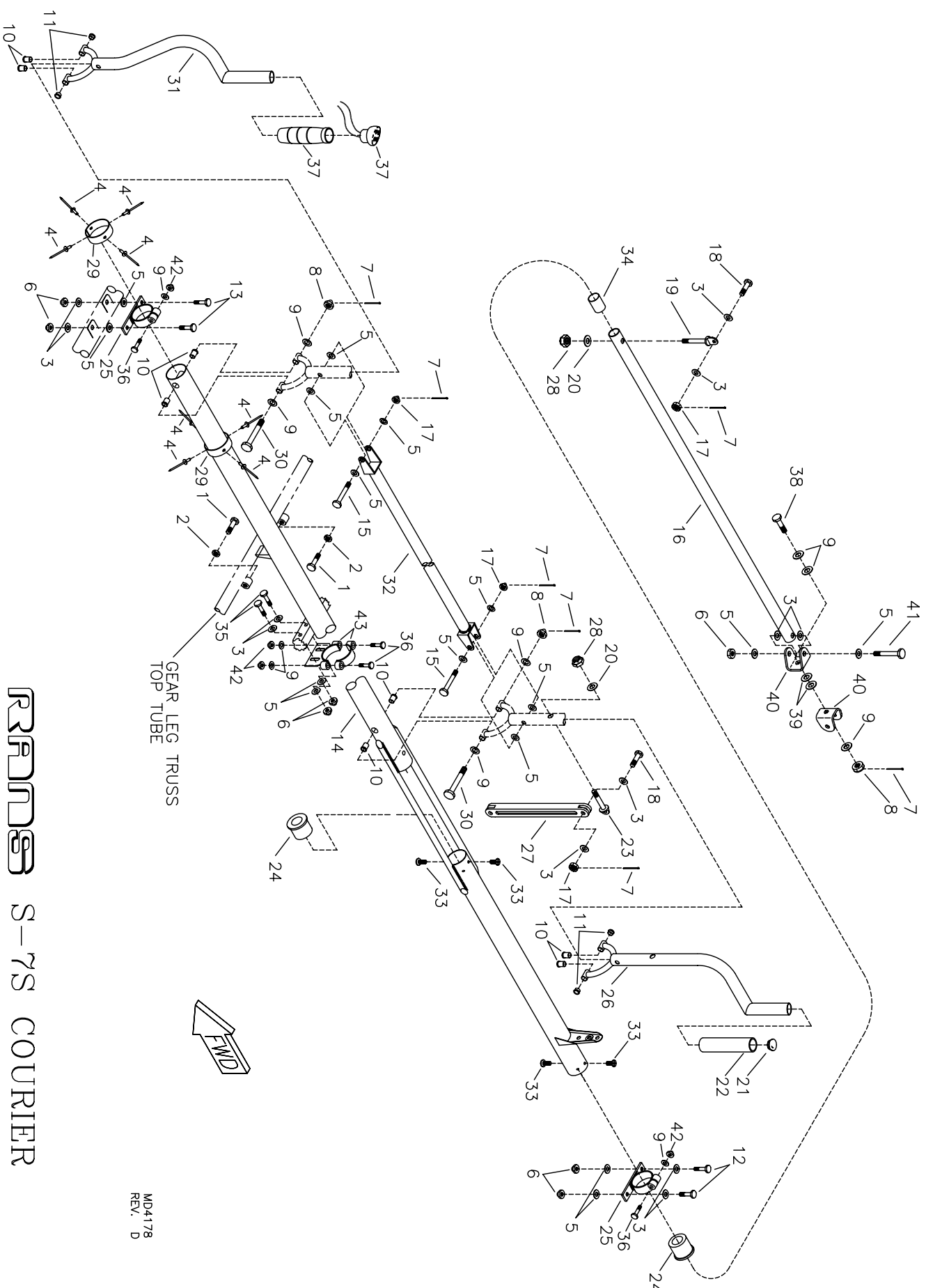
***Supplied with Brake Reservoir.

6/20/2013



MD4320
S-7S COURIER
DOORFRAME BATTERY ACCESS
PANEL INSTALLATION

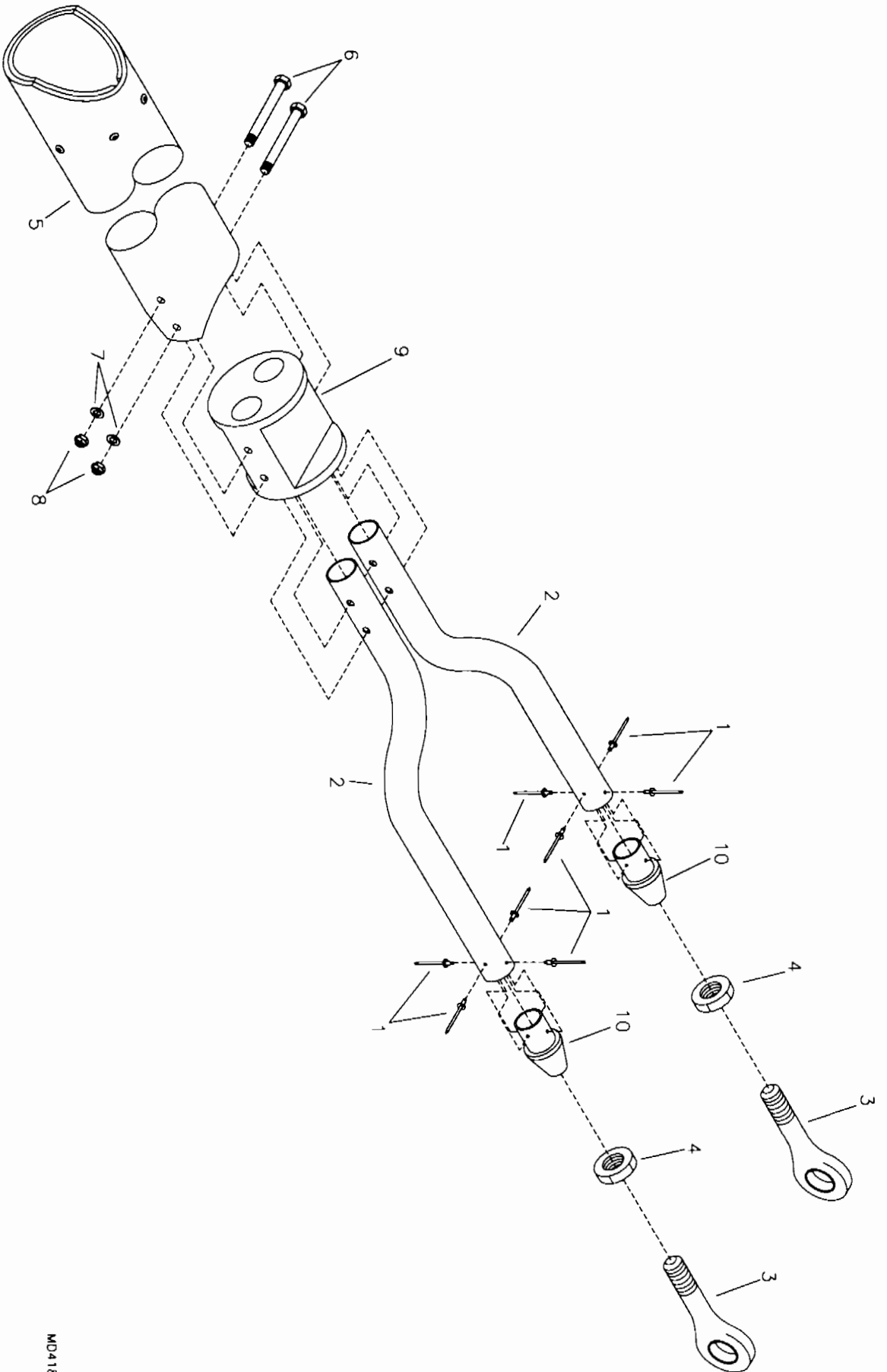
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Door Frame - Battery Box Access Panel	KPFU0291	1
2.	1/8" Aluminum Rivet - Cherry Q	AAPQ-42	11
3.	Door - Battery Box Access Panel	KPFU0292	1
4.	8-32 Machine Screw	AN526-832R6	10
5.	Single Ear Nut Plate	MS21051-08	10
6.	3/32" Aluminum Rivet	40APR1/8	20



RRM® S-7S COURIER CONTROL STICK ASSEMBLY AND INSTALLATION

MD4178
REV. D

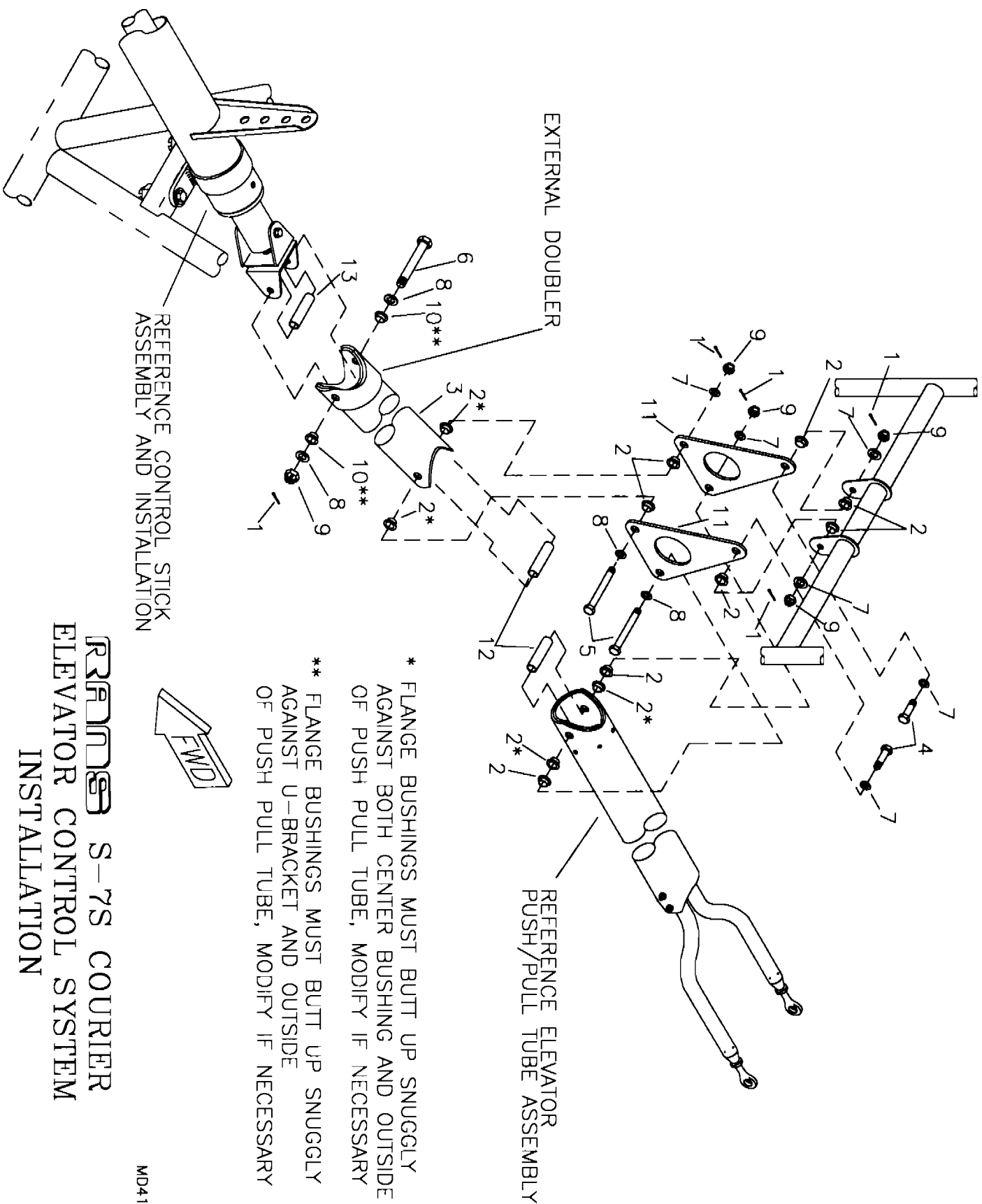
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Bolt	1/4 X 1 BOLT	2
2.	1/4" Plain Nut	AN345-416	2
3.	3/16" Thin Washer	AN960-10L	12
4.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	8
5.	3/16" Thick Washer	AN960-10	18
6.	3/16" Shear Nut	AN364-1032A	7
7.	Small Cotter Pin	MS24665-134	7
8.	1/4" Castle Nut	AN310-4	3
9.	1/4" Thick Washer	AN960-416	11
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 Assembly	KACS0032	1
15.	3/16" Bolt, Close Tolerance	AN173-15	2
16.	Push Pull Tube	KPCS0187	1
17.	3/16" Castle Nut	AN310-3	4
18.	3/16" Bolt, Close Tolerance	AN173-7	2
19.	1/4" Eyebolt	AN43B-13A	1
20.	1/4" Thin Washer	AN960-416L	2
21.	End Cap	CS-EC	1
22.	Foam Grip - Control Stick	CS-G	1
23.	1/4" Eyebolt	AN43B-12A	1
24.	Torque Tube Glide	KPCS0069	2
25.	Pillow Block	KPCS0204	2
26.	AFT Control Stick	KPCS0085	1
27.	Control Stick Linkage Tube	KPCS0058	1
28.	1/4" Tensile Nut	AN365-428A	2
29.	Control Stick Stop Ring	KPCS0013	2
30.	1/4" Bolt	AN4-35	2
31.	FWD Control Stick	KPCS0256	1
32.	Control Stick Push Pull Tube Assembly	KACS0005	1
33.	Pan Head Screw	KSHW0041	4
34.	Control Stick Stop	KPCS0177	1
35.	3/16" Bolt	AN3-10A	2
36.	1/4" Bolt	AN4-14A	4
37.	MAC 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.	3/16" Bolt	AN3-15A	1
42.	1/4" Shear Nut	AN364-428A	4
43.	1-1/2" Torque Tube Mount	KPCS0205	1



RRR S-7S COURIER
ELEVATOR PUSH/PULL TUBE ASSEMBLY

MD4180

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-43	8
2.	Arm - Elevator Yoke	KPCS0155	2
3.	Male Rod End	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



RPD S-7S COURIER ELEVATOR CONTROL SYSTEM INSTALLATION

MD4179

#	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.	Aluminum Bushing, 3/8" x .095 x 1.50	KPAC0060	2
13.	Bushing, 3/8" x .095 x 1.00"	KPAC0159	1

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

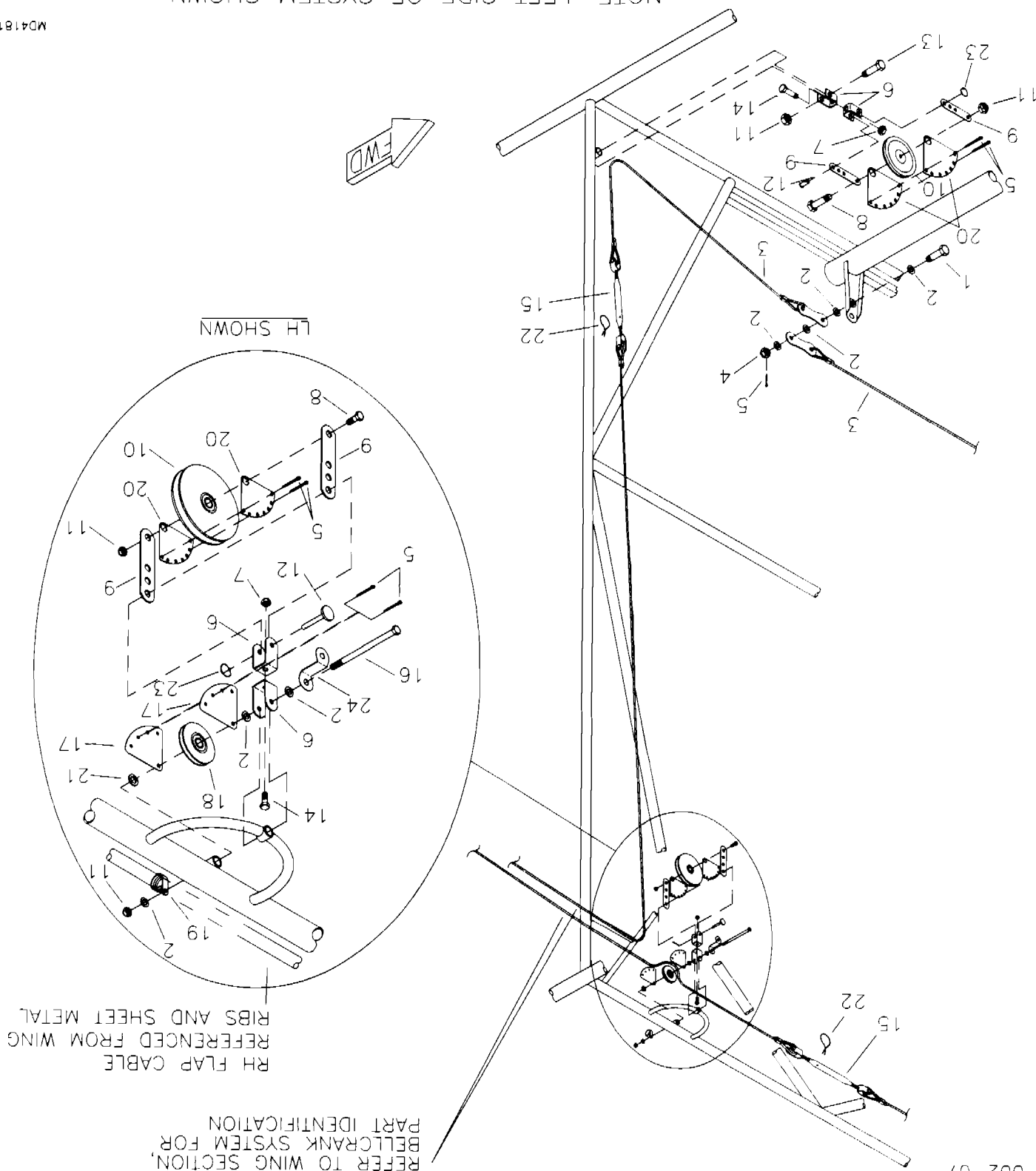
*Modify if necessary.

6/1/2001

RRMS S-7S COURIER AILERON CABLE SYSTEM INSTALLATION - FUSELAGE

NOTE: LEFT SIDE OF SYSTEM SHOWN

MD4181



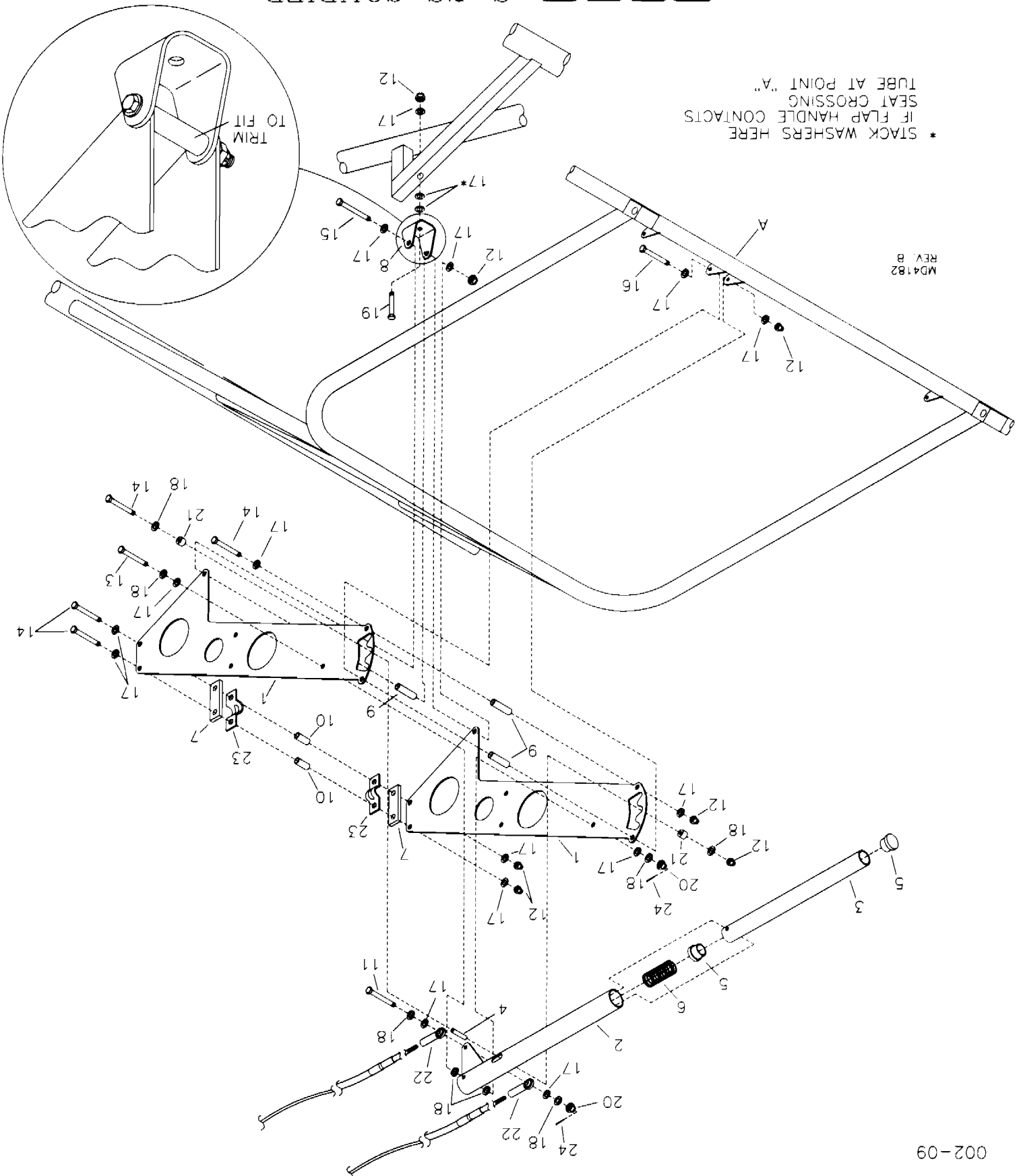
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-5	1
2.	3/16" Thin Washer	AN960-10L	13
3.	Lower Aileron Cable	KACS0031	2
4.	3/16" Castle Nut	AN310-3	1
5.	Small Cotter Pin	MS24665-134	13
6.	U-Bracket	RL-205-T	8
7.	3/16" Tensile Nut	AN365-1032A	4
8.	3/16" Bolt	AN3-6A	4
9.	Multi-Hole Tang	ST-16-FLAT	8
10.	Pulley	KSAC0020	4
11.	3/16" Shear Nut	AN364-1032A	8
12.	3/16" Clevis Pin	MS20392-2C17	4
13.	3/16" Bolt	AN3-7A	2
14.	3/16" Bolt	AN3-3A	4
15.	Turnbuckle	RL-335-AT	3
16.	3/16" Bolt	AN3-24A	2
17.	Small Cable Keeper *	KPCS0207	1
18.	Small Pulley	AN210-1A	2
19.	3/8" Cushioned Clamp	MS21919-WDG6	2
20.	Cable Keeper *	KPCS0208	2
21.	3/16" Thick Washer	AN960-10	2
22.	Safety Wire **	-----	0
23.	Loc Ring	RL 27 1/4	4
24.	Attach Bracket	KPAC0132	2

*Builder modifies

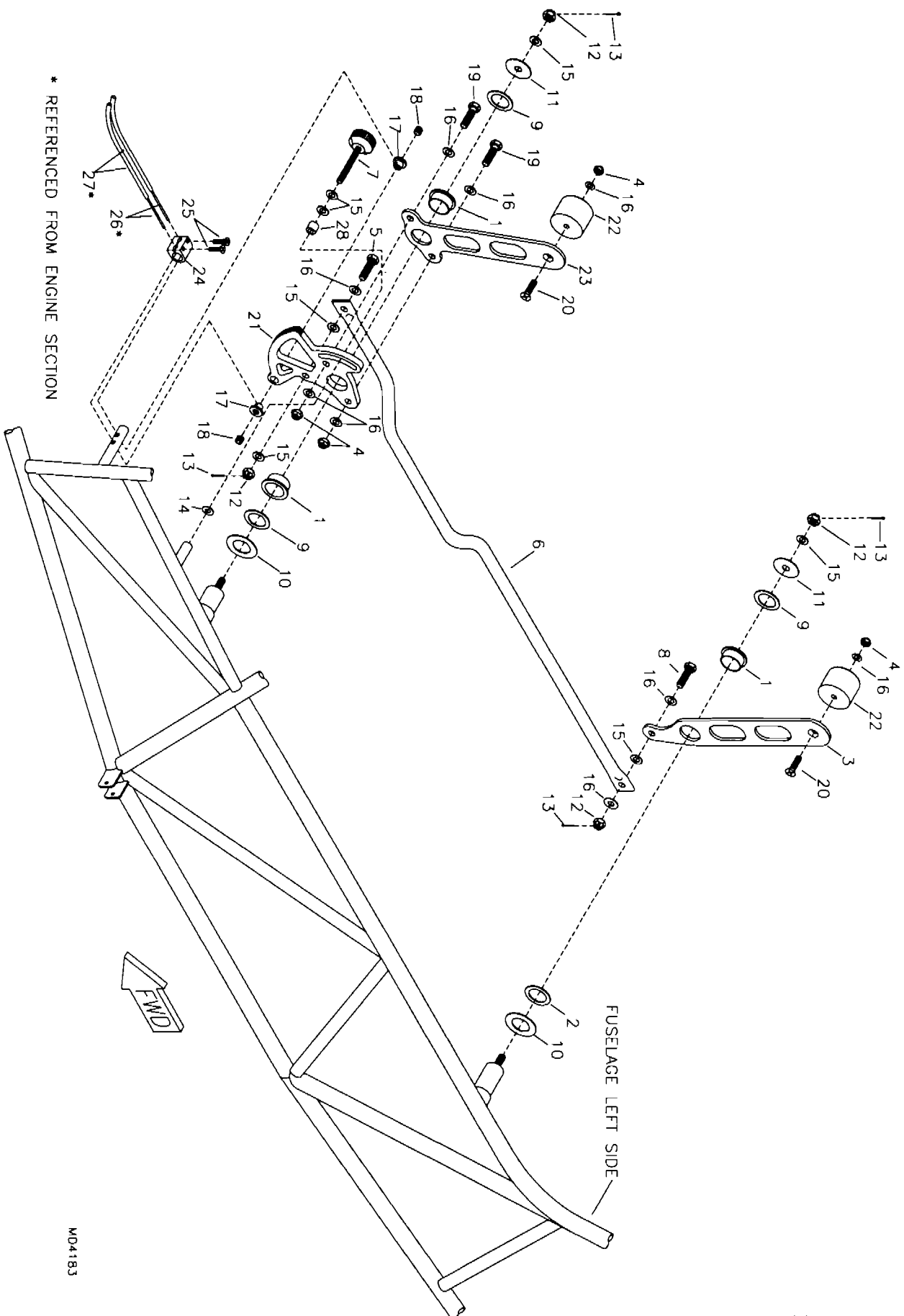
**Builder provided

2/14/2003

RPN S-7S COURIER FLAP LEVER ASSEMBLY AND INSTALLATION



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Side Plate Flap Lever	KPCS0209	2
2.	Flap Handle	KPCS0210	1
3.	Flap Trip Release Tube	KPFL0089	1
4.	Spacer Bushing, 1/4" x .028 x .88"	KPCS0172	1
5.	Endcap	3/4 ENDCAP	2
6.	Spring	C-21	1
7.	Plastic Shim	KPAC0121	2
8.	U-Bracket	S2-SAB	1
9.	Spacer Bushing, 1/4" x .028 x 1.00"	KPCS0169	3
10.	Spacer Bushing, 1/4" x .028 x .63"	KPCS0170	2
11.	3/16" Bolt	AN3-12	1
12.	3/16" Shear Nut	AN364-1032A	7
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	15
18.	3/16" Thin Washer	AN960-10L	6
19.	3/16" Bolt	AN3-10A	1
20.	3/16" Castle Nut	AN310-3	2
21.	Roller/Spacer Bushing, 3/8" x .095 x .24"	KPCS0171	2
22.	Female Rod End	NF-3	2
23.	Teleflex Retainer Bracket	KSCS0001	2
24.	Small Cotter Pin	MS24665-134	2



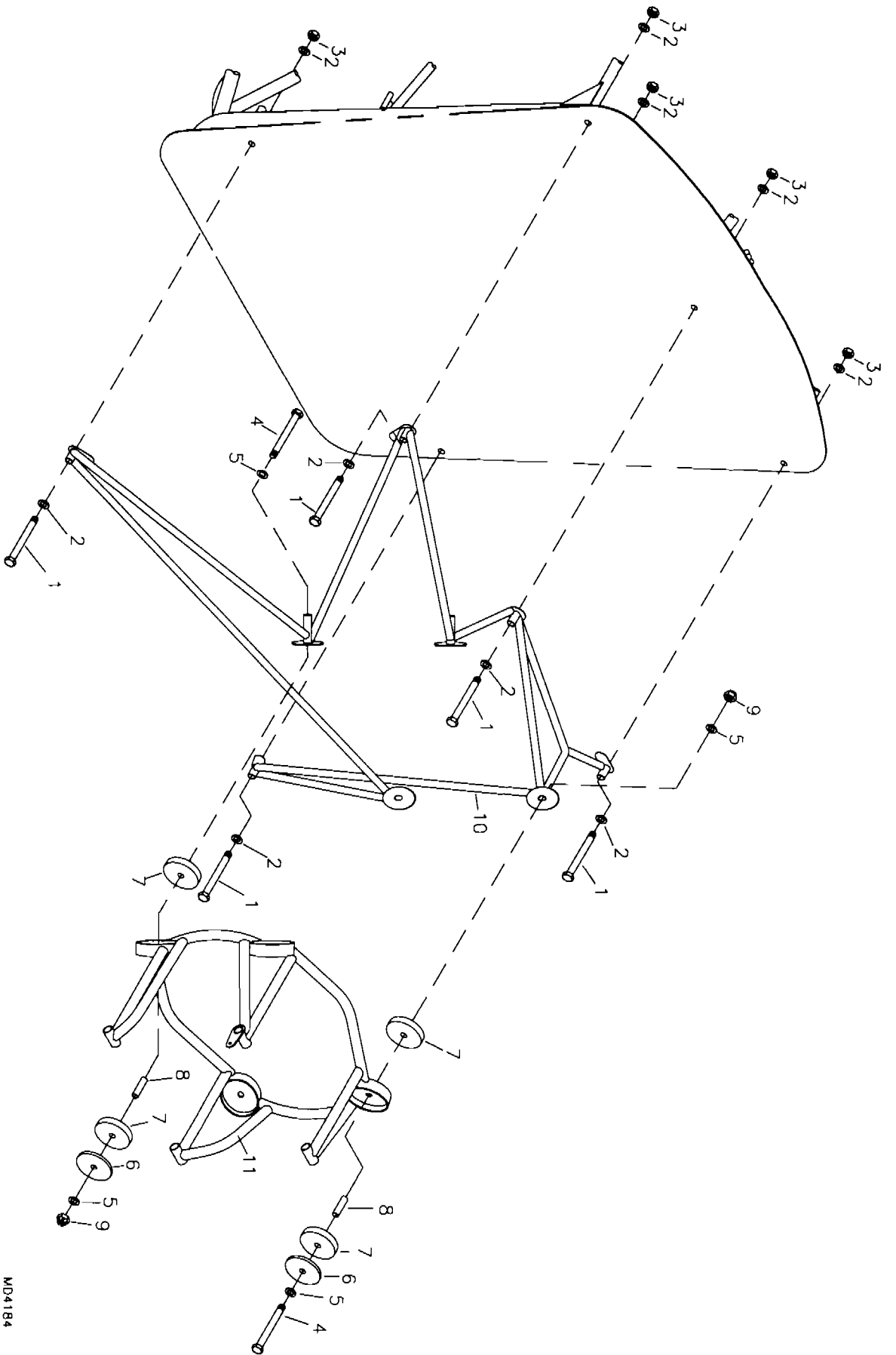
RRRMM S-7S COURIER **THROTTLE INSTALLATION**

WD4183

#	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.	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 (5 mm)	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	2
26.	Throttle Cable, 65" *	EG-T-CAB	0
27.	Cable Housing *	T-CAB-H	0
28.	Spacer	KSHW0042	1

*Referenced from Engine Section

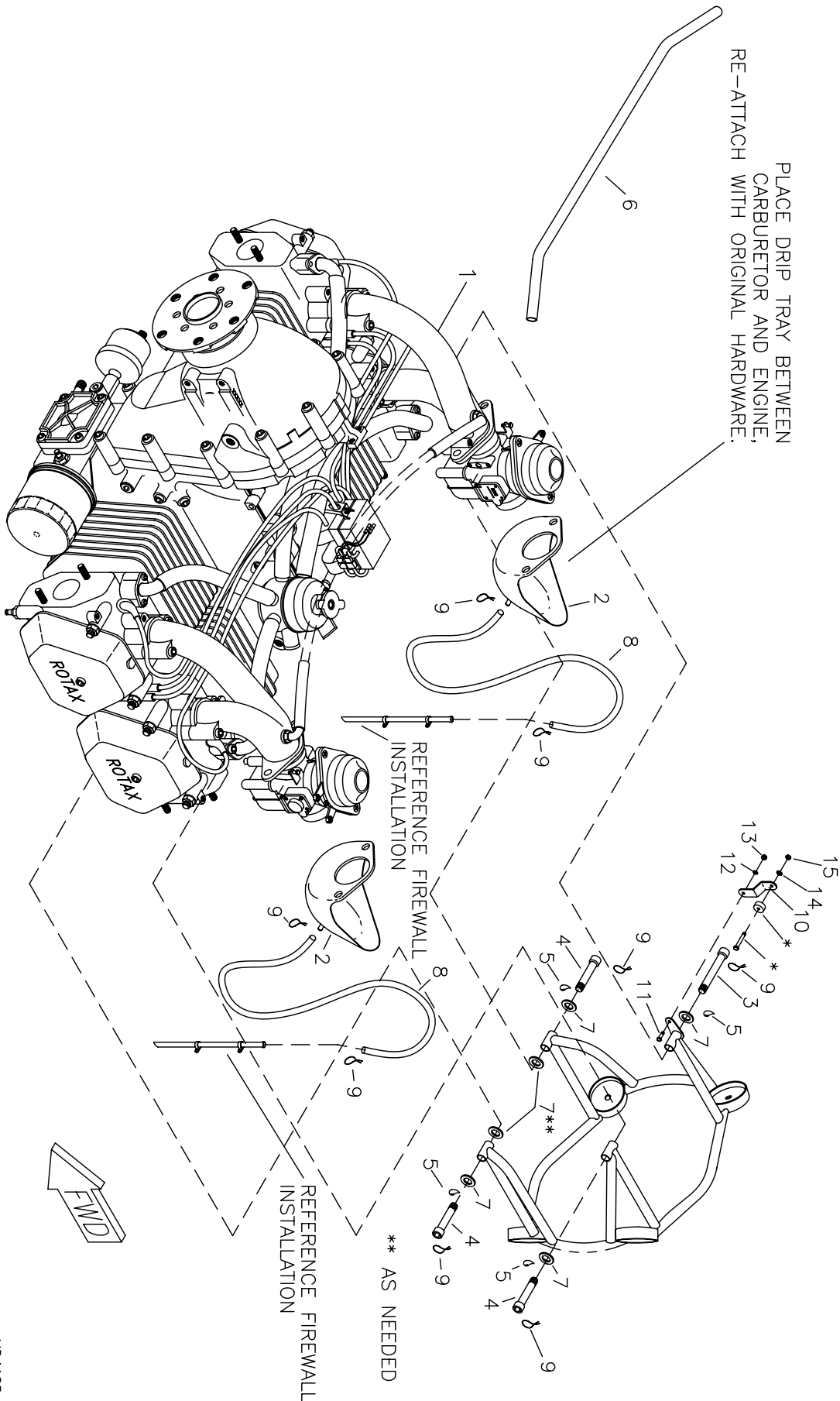
6/1/2001



RENAULT S-7S COURIER
912 ENGINE MOUNT INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-27A	5
2.	1/4" Thick Washer	AN960-416	10
3.	1/4" Tensile Nut	AN365-428A	5
4.	3/8" Bolt	AN6-33A	4
5.	3/8" Thick Washer	AN960-616	8
6.	Washer	912DONUT-2	4
7.	Rubber Washer	912DONUT-3	8
8.	Bushing, 1/2" x .058 x 1.00"	912DONUT-4	4
9.	3/8" Tensile Loc Nut	AN363-624A	4
10.	Engine Mount - AFT	KAPW0026	1
11.	Engine Mount - FWD	KAPW0027	1

PLACE DRIP TRAY BETWEEN
CARBURETOR AND ENGINE,
RE-ATTACH WITH ORIGINAL HARDWARE.

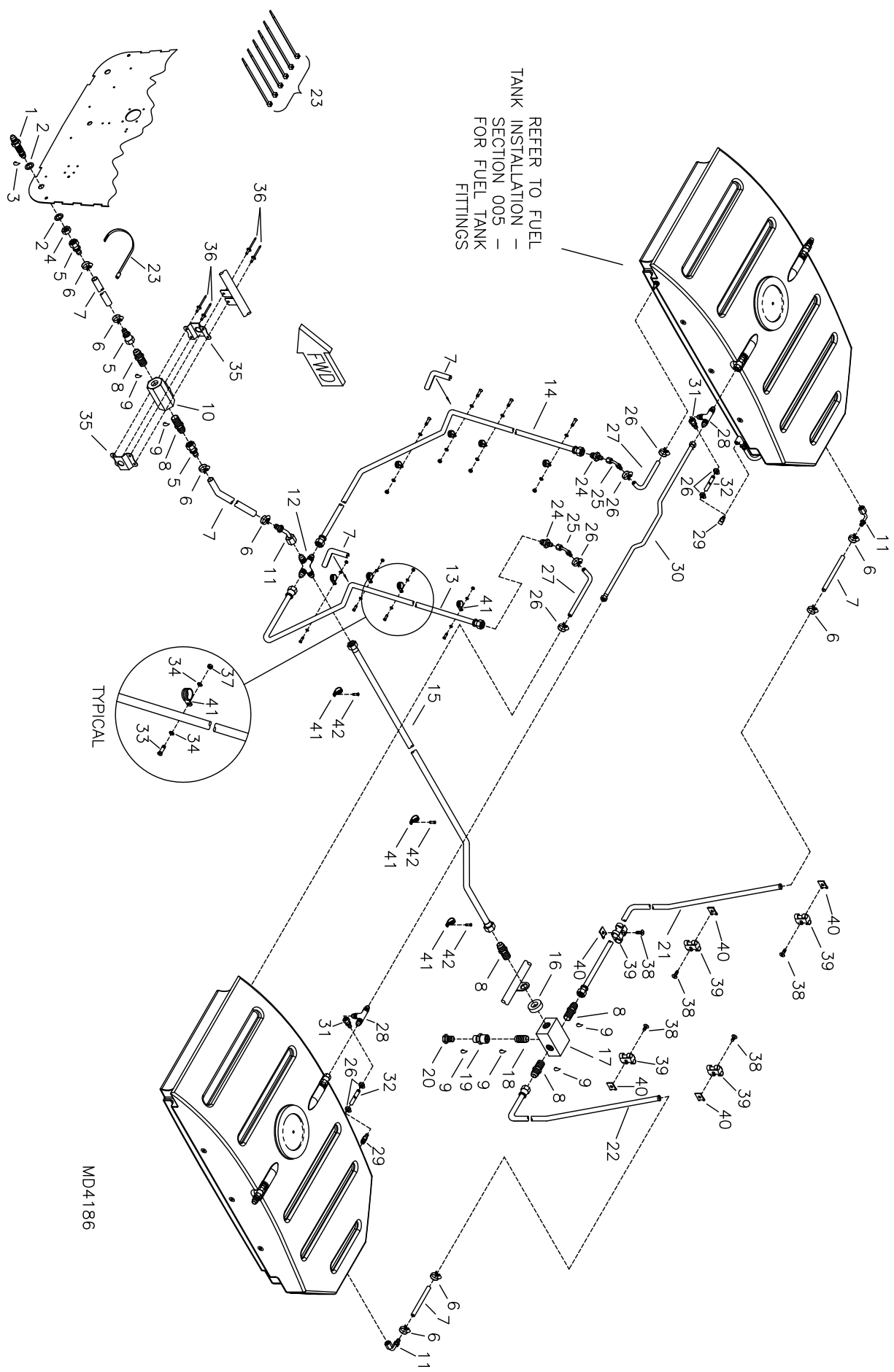


* SUPPLIED WITH ENGINE
** 912S REFERS TO ROTAX 912 ULS

PRADO S-7S COURIER
912 ULS ENGINE **

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Rotax 912 Engine (ordered seperately)	KSPW0063	1
2.	Drip Tray	KPPW0220	2
3.	Sock Head Cap Screw	M10-1.5 X 140 SHCS	1
4.	Sock Head Cap Screw	M10-1.5 X 60 SHCS	3
5.	Thread Sealant *	-----	0
6.	Compensating Tube	KPPW0221	1
7.	3/8" Thick Washer	AN960-616	6
8.	Black Fuel Line - 1/4"	KSFS0002	3 ft
9.	Safety Wire *	-----	0
10.	Mount Bracket-Ignition	KPPW0216	1
11.	3/16" Bolt	AN3-4A	1
12.	3/16" Thin Washer	AN960-10L	1
13.	3/16" Shear Nut	AN364-1032A	1
14.	Loc Washer	AN935-416L	1
15.	6MM Nut	6MM HEX NUT	1

*Builder provided

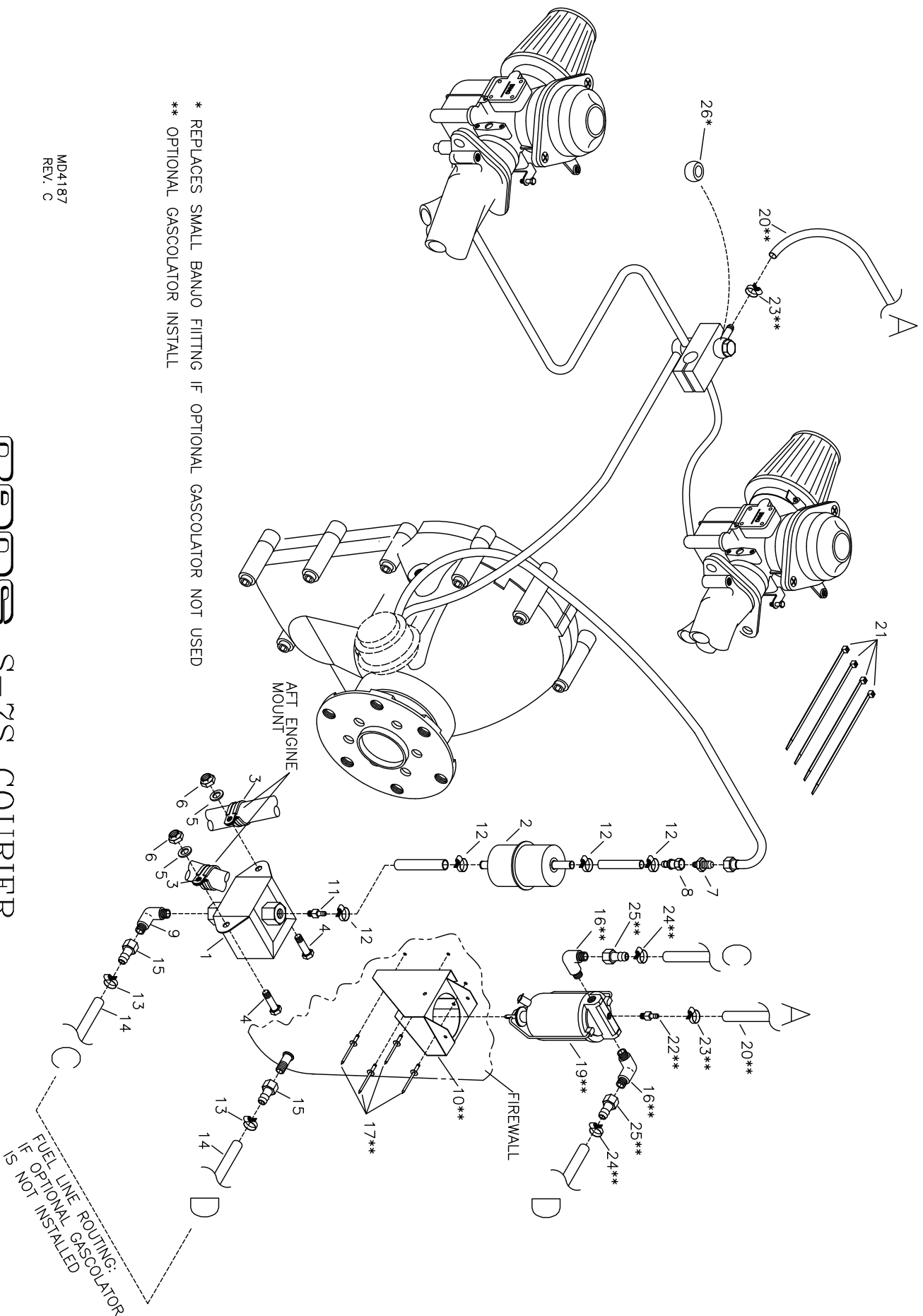


912 FUEL SYSTEM PART 1

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Union - Flared Tube - Bulkhead	AN832-6D	1
2.	9/16" Thick Washer	AN960-916	2
3.	Loctite Blue*	-----	0
4.	Nut - Flared Tube Bulkhead	AN924-6D	1
5.	3/8" Hose Fitting	30682-6-6	3
6.	Hose Clamp	5-6203	8
7.	3/8" Fuel Line	27004	6 ft
8.	Nipple - Flared Tube & Pipe Thread	AN816-6D	5
9.	Thread Sealant*	-----	0
10.	Fuel Valve	KSFS0018	1
11.	45 Degree Fitting	MS33782-6-6	3
12.	Cross - Flared Tube	AN827-6D	1
13.	FWD Fuel Line - LH	KPFS0028	1
14.	FWD Fuel Line - RH	KPFS0029	1
15.	AFT Fuel Line	KPFS0030	1
16.	Rubber Washer	KPAC0172	1
17.	Fuel Mixer Block	KPFS0031	1
18.	Close Nipple	KSFS0021	1
19.	Reducer	KSFS0022	1
20.	Flush Valve	KSFS0011	1
21.	Riser Line - RH	KPFS0032	1
22.	Riser Line - LH	KPFS0033	1
23.	Plastic Tie-7.5"	N-TIES	7
24.	Reducer - External Thread - Flared Tube	AN919-6D	2
25.	45 Degree Fitting	KSFS0023	2
26.	Hose Clamp	5-6202	12
27.	Black Fuel Line - 1/4"	KSFS0002	2 ft
28.	Tee Fitting	AN826-4D	2
29.	90 Withdrawal Fitting	8342	2
30.	Crossover Vent Line	KPFS0095	1
31.	Straight Fuel Fitting	KSFS0024	2
32.	Clear Fuel Line - 1/4"	KSFS0008	18 in
33.	Pan Head Phillips Bolt	KSHW0006	8
34.	3/16" Thin Washer	AN960-10L	16
35.	Fuel Valve Mount Bracket	KPFS0037	2
36.	1/8" Aluminum Rivet - Cherry Q	AAPQ-42	4
37.	3/16" Shear Nut	AN364-1032A	8
38.	Flat Head Countersunk Screw	8X1SSCR	5
39.	Clip - Fuel System	KSAC0040	5
40.	Tinnerman	A1789-8Z-1	5
41.	Cushioned Clamp	MS21919-WDG6	11
42.	#6 Pan Head Screw	6RX1/2 PHS	3

*Builder provided

6/15/2011



* REPLACES SMALL BANJO FITTING IF OPTIONAL GASCOLATOR NOT USED
** OPTIONAL GASCOLATOR INSTALL

MD4187
REV. C

Red Bull S-7S COURIER FUEL LINE INSTALLATION – FIREWALL FORWARD

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Fuel Pump	KSPW0077	1
2.	Fuel Filter *	-----	0
3.	Cushioned Clamp 5/8"	MS21919-DG10	2
4.	3/16" Bolt	AN3-4A	2
5.	3/16" Thin Washer	AN960-10L	2
6.	3/16" Shear Nut	AN364-1032A	2
7.	Reducer - External Thread - Flared Tube	AN919-6D	1
8.	1/4" Hose Fitting	30682-4-4	1
9.	90 Degree Fitting	AN822-6-2D	1
10.	Gascolator Bracket **	KSPW0066	1
11.	Straight Withdrawal Fitting	8330	1
12.	Hose Clamp	5-6202	4
13.	Hose Clamp	5-6203	2
14.	Black Fuel Line - 3/8"	27004	2 ft
15.	3/8" Hose Fitting	30682-6-6	2
16.	90 Degree Fitting **	AN822-6D	2
17.	1/8" Stainless Steel Rivet - Cherry Q **	CCPQ-41	4
18.	1/8" NPT Nipple	KSAC0032	1
19.	Gascolator **	KSPW0067	1
20.	Black Fuel Line - 1/4" **	KSFS0002	3 ft
21.	Plastic Tie-7.5"	N-TIES	4
22.	Straight Withdrawal Fitting **	8330	1
23.	Hose Clamp **	5-6202	2
24.	Hose Clamp **	5-6203	2
25.	3/8" Hose Fitting **	30682-6-6	2
26.	Bushing (-1 OPT GASCOLATOR)	BPBK0018	1

* Contact ROTAX for recommended fuel filter

** Optional Gascolator

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-7A	2
2.	3/16" Thick Washer	AN960-10	2
3.	Loctite Blue ***	-----	0
4.	Throttle Adjuster Ferrule *	-----	0
5.	1/8" Ferrule Nut *	-----	0
6.	Cable Housing	EG-T-CAB-H	10 ft
7.	Throttle Cable Mount-L	KPPW0217-L	1
8.	Throttle Cable Mount-R	KPPW0217-R	1
9.	3/16" Shear Nut	AN364-1032A	2
10.	Wire Stop/Screw *	-----	0
11.	Flange Bushing *	-----	0
12.	Plastic Tie-15"	LG-N-TIE	4
13.	Cable Housing Endcap	ENDCAP-12000	2
14.	Safety Wire ***	-----	0
15.	Grommet **	KSAC0002	0
16.	3/16" Thin Washer	AN960-10L	2
17.	M5 X 25 Socket Head Cap Screw	KSHW0072	2
18.	Cable End	BSCP0030	2
19.	Throttle Cable	EG-T-CAB	2

*Supplied with Engine.

**Referenced from Firewall Installation

*Builder Supplied

10/21/2004

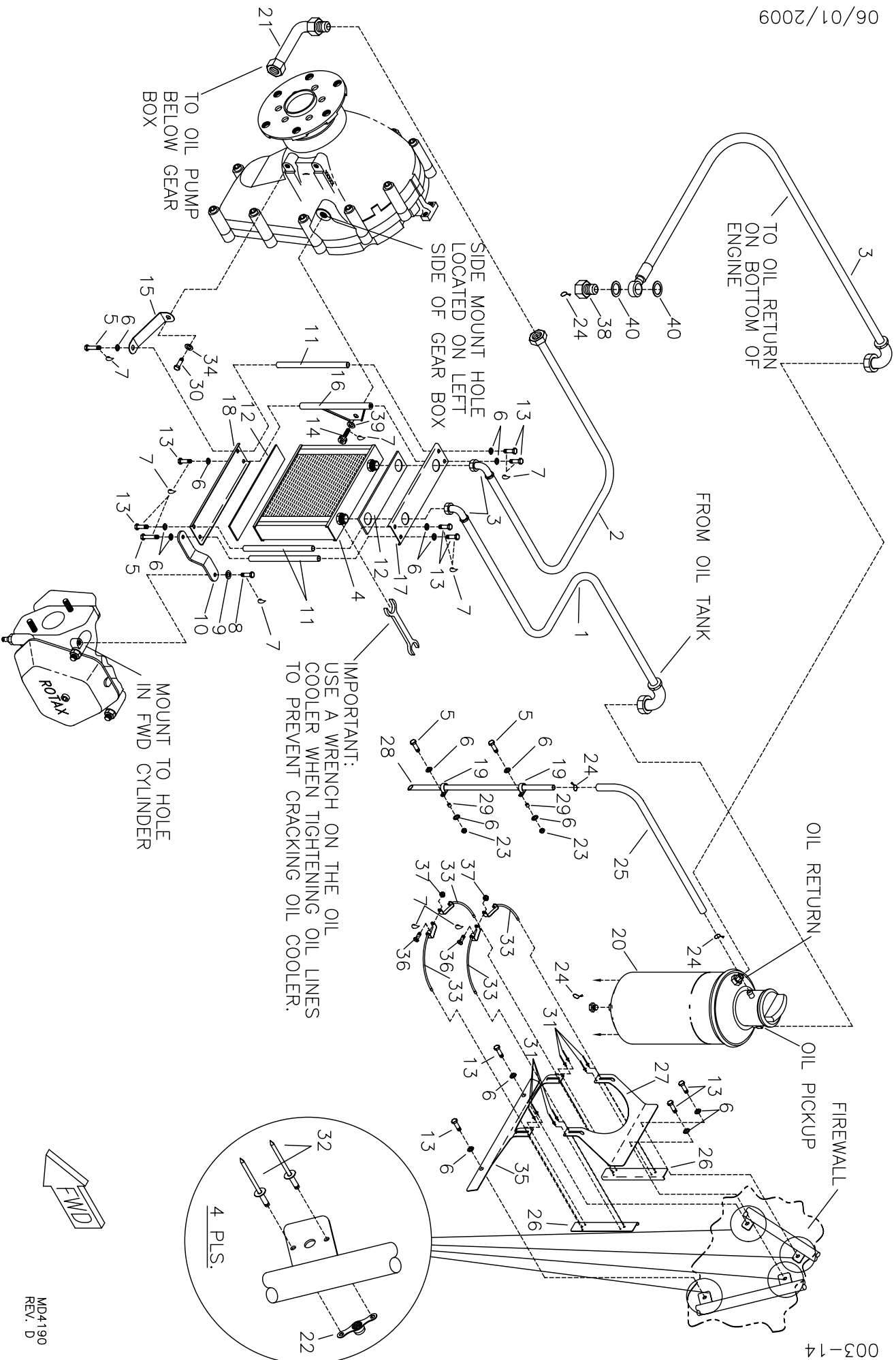


RRRNNN S-7S COURIER
912 CHOKE INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Choke Cable	BC-105	2
2.	Cable Housing	EG-T-CAB-H	8 ft
3.	Adjuster Cable Ferrule	12553	2
4.	Mixer Plate	KPPW0076	1
5.	Cable Swivel Stop	2361	3
6.	Cable Friction Block	T-STOP	1
7.	Control Cable	4-336	1
8.	Plastic Tie-7.5"	N-TIES	10
9.	Safety Wire *	-----	0
10.	Cable Housing Endcap	ENDCAP-12000	4
11.	Cable End	BSCP0030	2
12.	Socket Head Cap Screw	T-SC	1

*Builder provided

1/15/2013



912S COURIER 912S LUBRICATION SYSTEM ASSEMBLY AND INSTALLATION

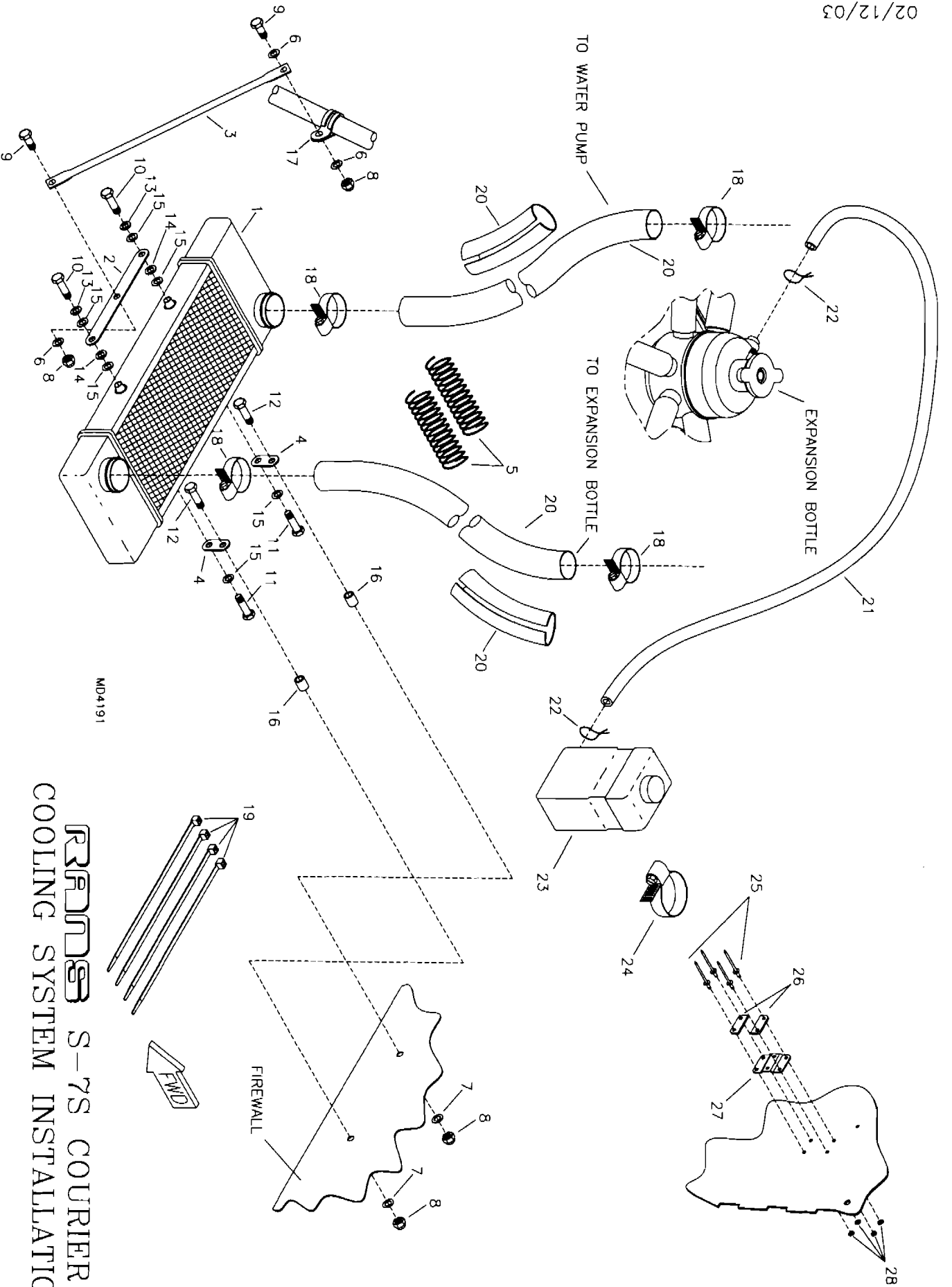
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Oil Hose Assembly - Tank to Cooler	KAPW0037	1
2.	Oil Hose Assembly - Cooler to Pump	KAPW0036	1
3.	Oil Hose Assembly - Return	KAPW0038	1
4.	Oil Cooler	21608	1
5.	3/16" Bolt	AN3-5A	4
6.	3/16" Thin Washer	AN960-10L	16
7.	Loctite Blue****	-----	0
8.	6MM X 16MM Bolt	M6X16 BOLT	1
9.	1/4" Thin Washer	AN960-416L	1
10.	Bent Oil Cooler Mount	KPPW0222	1
11.	Threaded Bushing	KPPW0180	3
12.	.093 Silicone Sheet***	KPPW0254	2
13.	3/16" Bolt	AN3-4A	10
14.	10mm X 35mm Bolt	10MMX35	1
15.	Oil Cooler Mount	KPPW0223	1
16.	Oil Cooler Mount	KPPW0224	1
17.	Upper Oil Cooler Mount	KPPW0071	1
18.	Lower Oil Cooler Mount	KPPW0072	1
19.	Plain Clamp	AN742-D6	2
20.	Oil Tank*	-----	0
21.	90 Degree Fitting - Long	KSPW0082	1
22.	3/16" Nut Plate	K-1000-3	4
23.	3/16" Shear Nut	AN364-1032A	2
24.	Safety Wire ****	-----	0
25.	Medium Temperature Tubing	KSPW0069	2 ft
26.	Oil Tank Mount Angle	KPPW0225	2
27.	Upper Oil Tank Mount Bracket	KPPW0226	1
28.	3/8" x .035 Aluminum Tube**	KAAC0042-11	0
29.	Spacer	KSHW0042	2
30.	8MM X 20MM Bolt	M8X20 BOLT	1
31.	1/8" Aluminum Rivet - Avex	1691-0410	8
32.	3/32" Aluminum Rivet	40APR1/8	8
33.	Oil Tank Cable Assembly	KAPW0028	4
34.	5/16" Thick Washer	AN960-516	1
35.	Lower Oil Tank Bracket	KPPW0228	1
36.	Screw	AN526-C1032-R12	2
37.	3/16" Tensile Nut	AN365-1032A	2
38.	Banjo Bolt - M16 x 1.5 x 28	940-878	1
39.	10mm Loc Washer	945-753	1
40.	Gasket Ring - 16 x 22	430-622	2

*Supplied with engine

**Builder fabricates from raw stock

Builder Modifies * Builder supplied

6/1/2009



RENAULT S-7S COURIER COOLING SYSTEM INSTALLATION

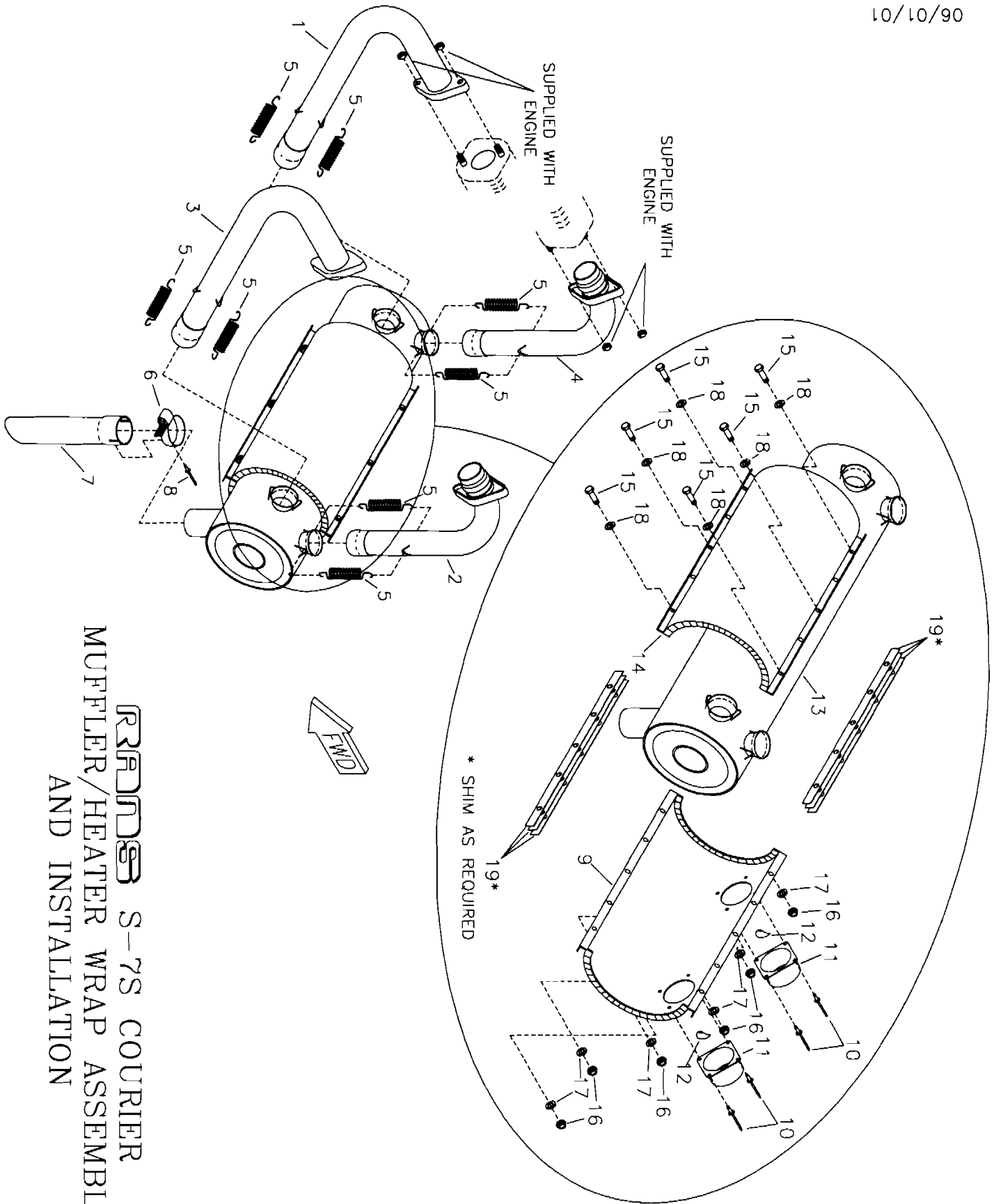
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Radiator	KSPW0071	1
2.	Mount Bracket-Radiator	KPAC0174	1
3.	Radiator Support Tube	KPPW0229	1
4.	Multi-Hole Tang*	ST-16-FLAT	2
5.	Hose Spring	EGCS-HS	2
6.	3/16" Thin Washer	AN960-10L	3
7.	3/16" Thick Washer	AN960-10	2
8.	3/16" Shear Nut	AN364-1032A	4
9.	3/16" Bolt	AN3-3A	2
10.	6MM X 16MM Bolt	M6X16 BOLT	2
11.	6MM x 12MM Bolt	M6X12 BOLT	2
12.	3/16" Bolt	AN3-7A	2
13.	Loc Washer	AN935-416L	2
14.	1/4" Thick Washer	AN960-416	2
15.	1/4" Thin Washer	AN960-416L	6
16.	Aluminum Bushing, 3/8" x .095 x .31"***	KAAC0042-9	0
17.	Cushioned Clamp	MS21919-DG10	1
18.	Hose Clamp-1-1/2"	5-5216	4
19.	Plastic Tie-7.5"	N-TIES	4
20.	Radiator Hose - 1"	RADIATOR HOSE	5 ft
21.	5/16" Overflow Hose	EGCS-OFH	24 in
22.	Safety Wire***	-----	0
23.	Overflow Bottle	KSPW0072	1
24.	Hose Clamp	5-5256	1
25.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-44	4
26.	Spacer Shim-Mount Bracket	KPPW0230	2
27.	Mount Bracket-Coolant Recovery Bottle	KPPW0231	1
28.	1/8" Small Brass Washer	AN960-B4	4

*Builder Modifies

**Builder fabricates from raw stock

***Builder Supplied

10/15/2003



RFD S-7S COURIER **MUFFLER/HEATER WRAP ASSEMBLY** **AND INSTALLATION**

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Right FWD Exhaust Manifold-Muffler	KAEX0015	1
2.	Left AFT Exhaust Manifold-Muffler	KAEX0016	1
3.	Left FWD Exhaust Manifold-Muffler	KAEX0017	1
4.	Right AFT Exhaust Manifold-Muffler	KAEX0018	1
5.	Muffler Spring	KSEX0002	8
6.	Hose Clamp	5-5220	1
7.	Muffler Extension	KPEX0056	1
8.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-44	1
9.	Heater Wrap-AFT	KPSY0049	1
10.	3/16" Stainless Steel Rivet - Cherry Q	CCPQ-62	8
11.	Heater Flange Assembly	KPSY0030	2
12.	Silicone Seal (Hi-Temp)*	-----	0
13.	Muffler Assembly	KAEX0019	1
14.	Heater Wrap-FWD	KPSY0050	1
15.	3/16" Bolt	AN3-4A	10
16.	3/16" Loc Nut - Steel	AN364-1032C	10
17.	3/16" Thick Washer	AN960-10	10
18.	3/16" Thin Washer	AN960-10L	10
19.	Shim-Heater Wrap	KPSY0051	6

*Builder Supplied

6/1/2001

INSTRUMENT PANEL

24

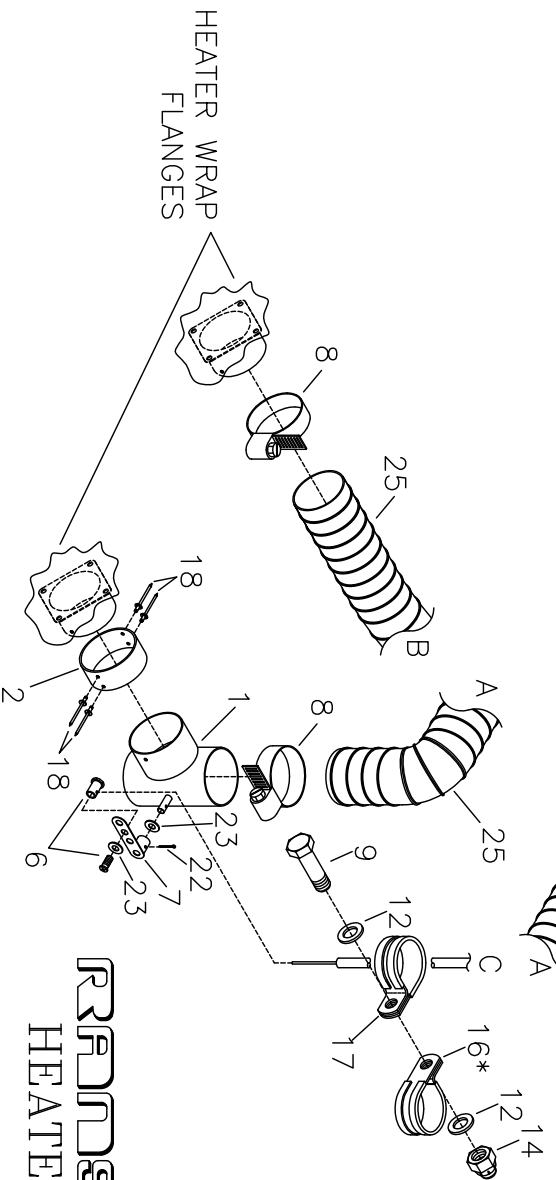
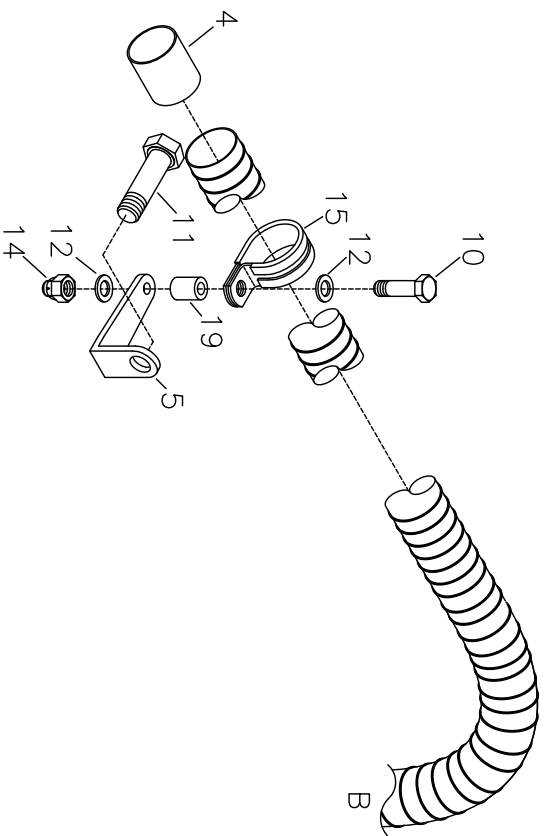
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21

13

*ATTACH TO ENGINE MOUNT TUBE
JUST ABOVE HEATER VALVE.

FIREWALL



REDUCED S-7S COURIER HEATER INSTALLATION



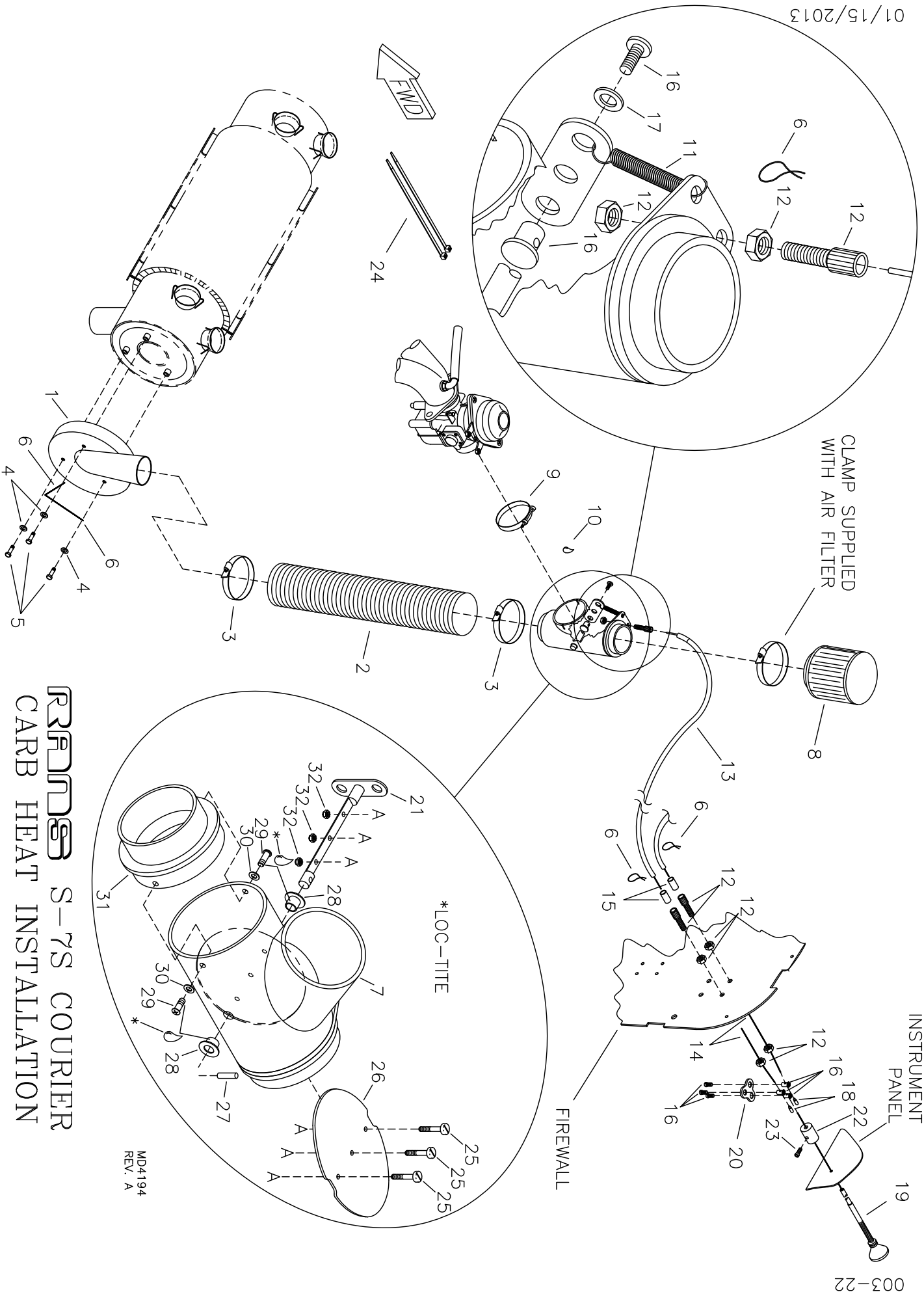
MD4193
REV. A

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Air Diverter Assembly	KASY0005	1
2.	Mount Tube-Air Diverter	KPSY0052	1
3.	Plastic Tie-7.5"	N-TIES	2
4.	Inlet Tube	KPSY0053	1
5.	Angle Bracket	KPSY0016	1
6.	Cable Swivel Stop	2361	1
7.	Flapper Arm-Air Diverter	KPSY0006	1
8.	Hose Clamp	5-5220	3
9.	3/16" Bolt	AN3-4A	1
10.	3/16" Bolt	AN3-22A	1
11.	10MM X 20MM Bolt	875-520	1
12.	3/16" Thin Washer	AN960-10L	4
13.	Grommet**	KSAC0002	0
14.	3/16" Shear Nut	AN364-1032A	2
15.	Cushion Clamp	MS21919-WDG24	1
16.	Cushioned Clamp	MS21919-DG10	1
17.	Cushion Clamp	MS21919-WDG3	1
18.	1/8" Aluminum Rivet - Cherry Q	AAPQ-44	4
19.	Bushing, 3/8" x .095 x 1.50"	KAAC0042-9	0
20.	Control Cable	4-336	1
21.	Socket Head Cap Screw	T-SC	1
22.	#40 Roll Pin	T19-094-0625	1
23.	1/4" Thin Washer	AN960-416L	2
24.	Cable Friction Block	T-STOP	1
25.	Duct Hose	CREET HOSE	60 in

*Builder fabricates from raw stock

** Referenced from Firewall Installation

1/15/2013



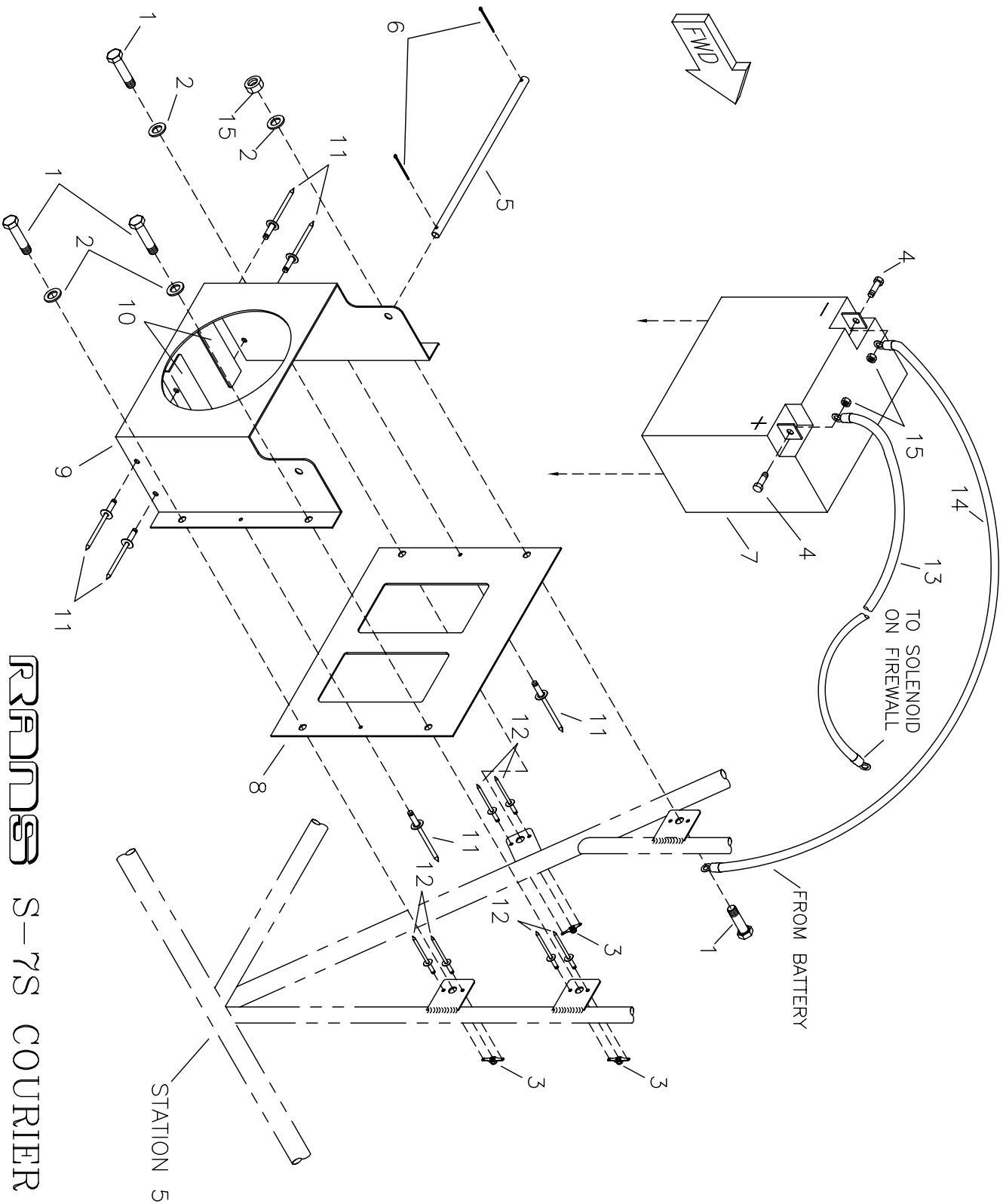
Remco S-7S Courier CARB HEAT INSTALLATION

MD4194
REV. A

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Heat Exchanger	KAPW0029	2
2.	Duct Hose	KPSY0046	2 ft
3.	Hose Clamp	5-5228	4
4.	3/16" Thick Washer	AN960-10	6
5.	3/16" Bolt	AN3H-4A	6
6.	Safety Wire*	-----	0
7.	Carb Heat Body	KAPW0031	2
8.	Air Filter	EG-AF-503/582	2
9.	Stepless Screw Clamp	KSPW0073	2
10.	Silicone Seal (Hi-Temp)*	-----	0
11.	Spring	KSPW0074	2
12.	Adjuster Cable Ferrule	12553	4
13.	Cable Housing	EG-T-CAB-H	10 ft
14.	Throttle Cable	EG-T-CAB	2
15.	Cable Housing Endcap	ENDCAP-12000	4
16.	Cable Swivel Stop	2361	5
17.	1/4" Thin Washer	AN960-416L	2
18.	Cable End	BSCP0030	2
19.	Control Cable	4-336	1
20.	Mixer Plate	KPPW0076	1
21.	Valve Shaft	KAPW0032	2
22.	Cable Friction Block	T-STOP	1
23.	Socket Head Cap Screw	T-SC	1
24.	Plastic Tie-7.5"	N-TIES	2
25.	Screw	MS35265-15	6
26.	Carb Heat - Valve	KPPW0240	2
27.	1/8" x 1/2" Roll Pin	ROLL PIN 1/8X1/2	2
28.	Flange Bushing	KSAC0019-8	4
29.	5/16" Pan Head Machine Screw	MS35206-242	4
30.	5/16" Loc Washer	MS35338-42	4
31.	Carb Heat - Flange	KPPW0239	2
32.	Nut	MS21083N04	6

*Builder Supplied

RRRPP S-7S COURIER BATTERY BOX ASSEMBLY AND INSTALLATION



MD4195
REV. A

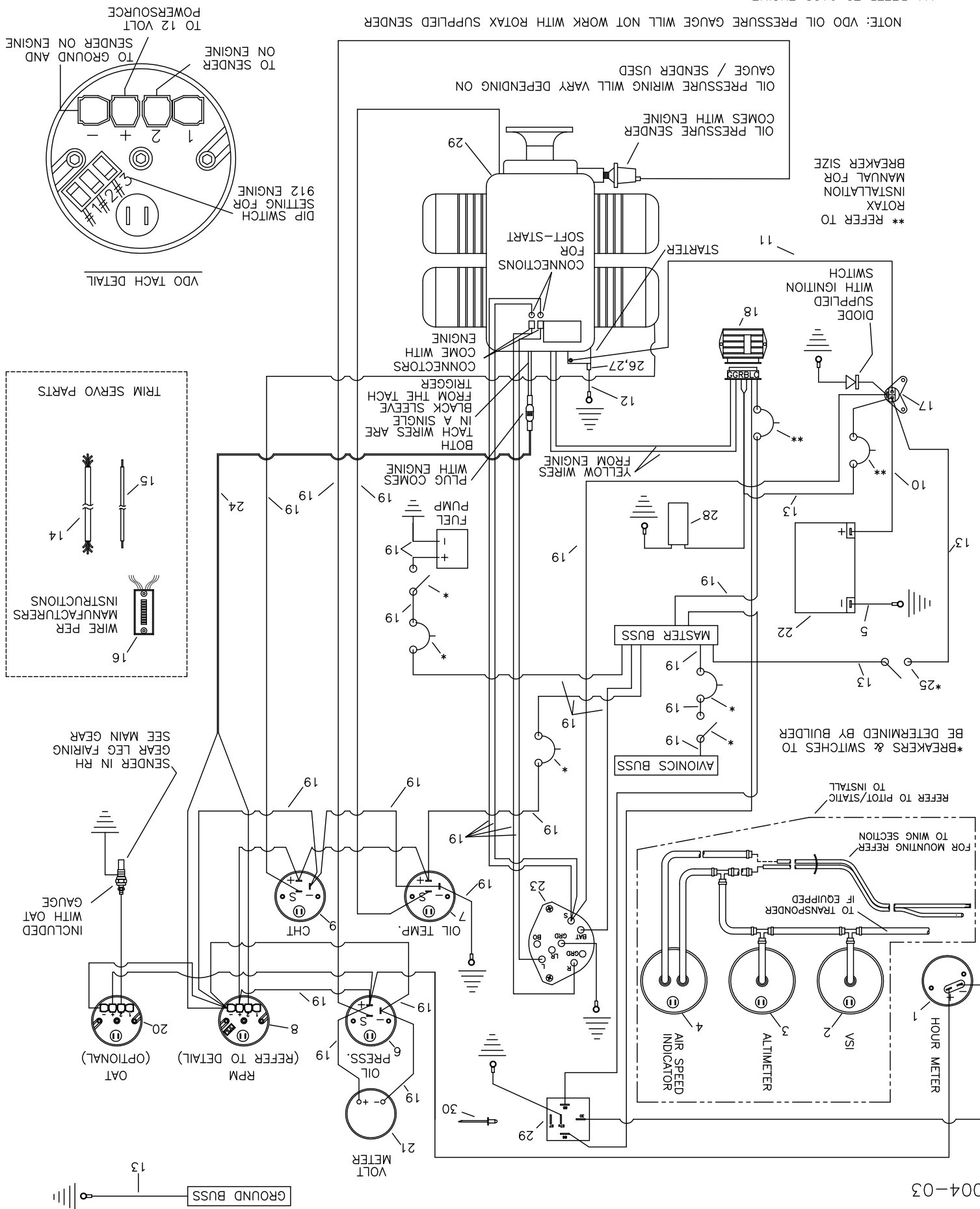
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-4A	4
2.	3/16" Thin Washer	AN960-10L	4
3.	3/16" Nut Plate	K-1000-3	3
4.	3/16" Bolt	AN3-3A	2
5.	Battery Bar	BAT-BAR-503/582	1
6.	Small Cotter Pin	MS24665-134	2
7.	Battery*	PS12150-NB	0
8.	Battery Box Mount Plate	BAT-BOX-2	1
9.	Battery Box Front Plate	BAT-BOX-1	1
10.	Battery Box Support Angle	BAT-BOX-3	2
11.	1/8" Stainless Steel Pop Rivet - Cherry Q	CCPQ-42	6
12.	3/32" Aluminum Pop Rivet	40APR1/8	6
13.	Battery / Solenoid Cable	KAES0005	1
14.	Battery / Ground Cable	KAES0004	1
15.	3/16" Shear Nut	AN364-1032A	3

*May be purchased separately.

RRS-2S COURIER AND ELECTRICAL INSTRUMENTS

*** REFER TO 912S ENGINE

NOTE: VDO OIL PRESSURE GAUGE WILL NOT WORK WITH ROTAX SUPPLIED SENDER



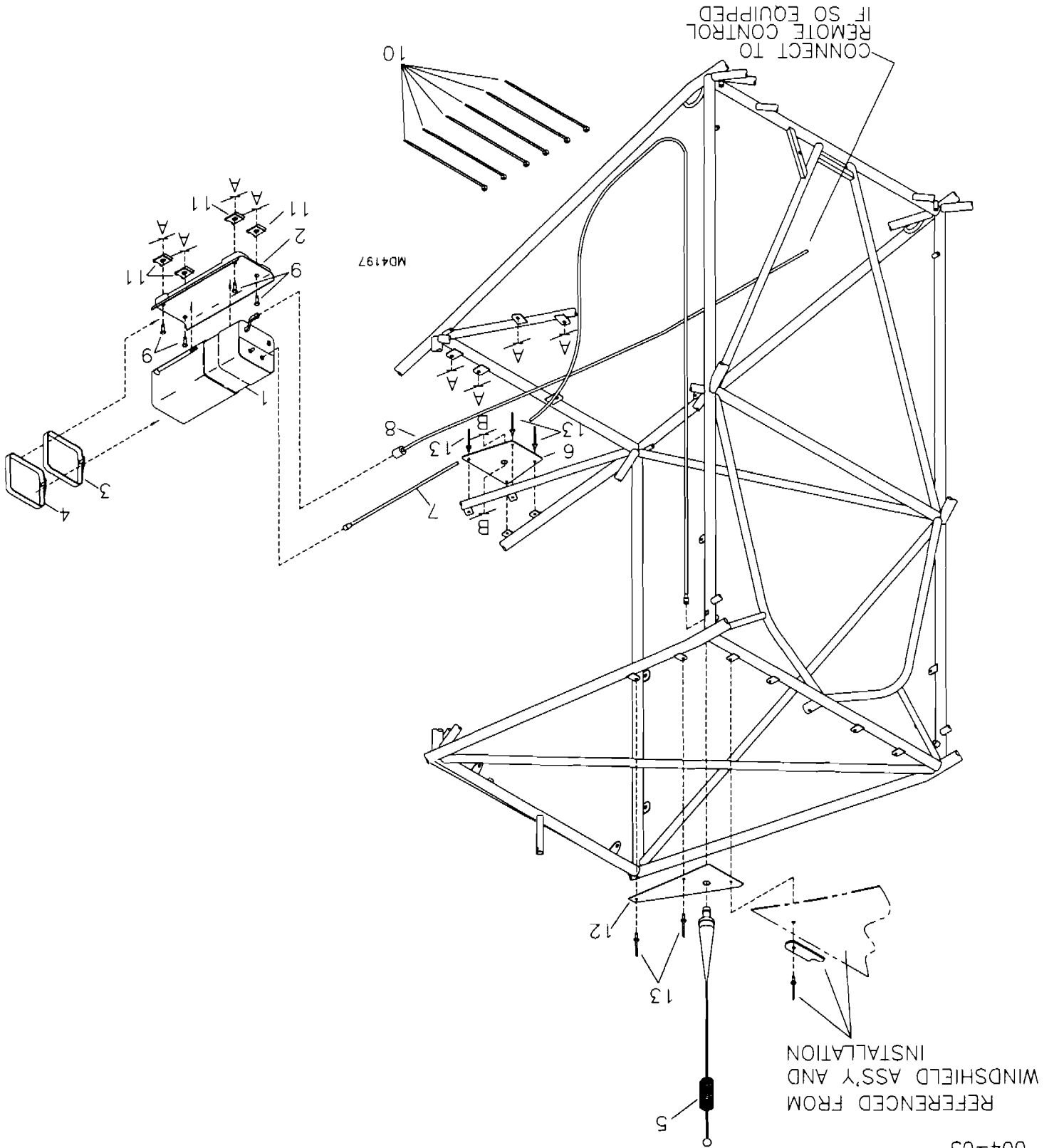
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Hour Meter - VDO*	KSPW0022	0
2.	Vertical Speed Indicator - Feet per Minute*	KSAV0008	0
3.	Altimeter*	KSAV0001	0
4.	Air Speed Indicator*	KSAV0017	0
5.	Battery/Ground Cable***	-----	0
6.	Oil Pressure Gauge*	-----	0
7.	Oil Temperature Gauge - VDO**	KSPW0017	0
8.	RPM Gauge - VDO*	KSPW0028	0
9.	Cylinder Head Temperature Gauge - VDO* **	KSPW0017	0
10.	Battery/Solenoid Cable***	-----	0
11.	Solenoid/Starter Cable	KAES0003	1
12.	Starter/Ground Cable	KAES0007	1
13.	12 Gauge Wire*	-----	0
14.	5 Wire Bundle - 26 Gauge Wire	KSES0022	26 ft
15.	20 Gauge Wire*	-----	0
16.	Trim Position Indicator*****	-----	0
17.	Solenoid ****	-----	0
18.	Regulator/Rectifier ****	-----	0
19.	14 Gauge Wire*	-----	0
20.	Outside Air Temperature Gauge Kit - VDO*	KSIP0009	0
21.	Voltmeter - VDO*	KSES0009	0
22.	Battery, 912***	-----	0
23.	Ignition Switch	KSES0027	1
24.	2 Plex - 20 Gauge Wire*	-----	0
25.	Master Switch*	-----	0
26.	1/4" Bolt	AN4-10A	1
27.	1/4" Steel Shear Nut	AN364-428C	1
28.	Capacitor - 22,000 microFarad / 25v *	-----	0
29.	Hour Meter Relay Assembly	KAES0016	1
30.	3/16" Aluminum Rivet - Cherry Q	AAPQ-62	1

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

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

*****Reference Mac Servo Kit.

RRMS S-7S COURIER EMERGENCY LOCATOR TRANSPONDER & COMMUNICATION ANTENNA INSTALLATION



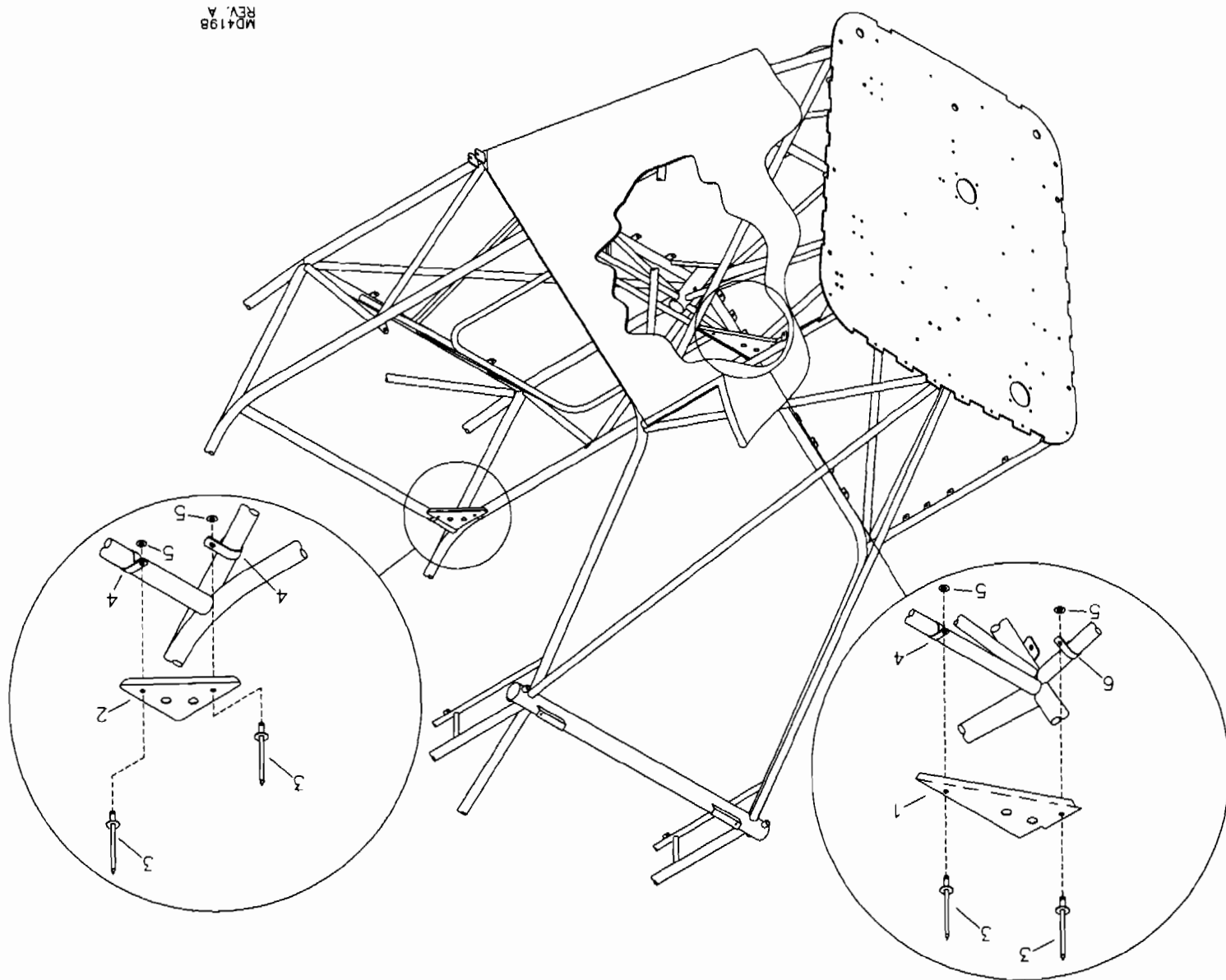
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	ELT-Battery Case *	KSES0025-1	0
2.	ELT-Mount Tray *	KSES0025-3	0
3.	ELT-Front Strap *	KSES0025-4	0
4.	ELT-Battery Strap *	KSES0025-5	0
5.	ELT-External Antenna *	KSES0025-6	0
6.	Antenna Backing Plate - COMM	KPAV0012	1
7.	ELT-Antenna Unit *	KSES0025-9	0
8.	ELT-Connecting Cable *	KSES0025-10	0
9.	Pan Head Machine Screw	MS35206-228	4
10.	Plastic Tie-7.5"	N-TIES	6
11.	Tinnerman	LHA4972-5-62	4
12.	ELT-Antenna Mount Plate	KPAV0011	1
13.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-42	6

*Supplied with ELT.

3/5/2004

RRMS S-7S COURIER JACK MOUNT INSTALLATION

MD4198
REV. A

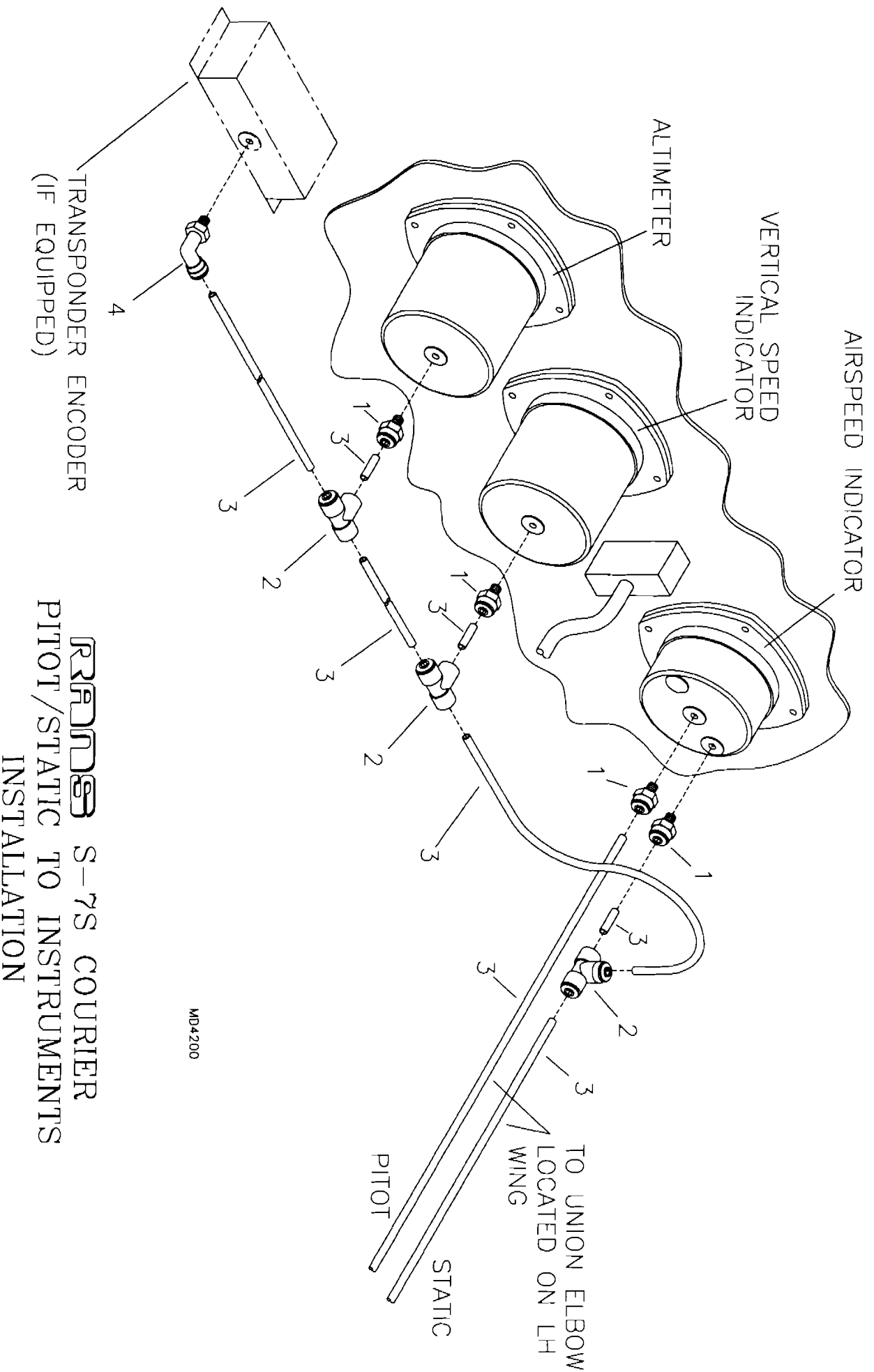


S-7S COURIER - JACK MOUNT INSTALLATION

PAGE 004-08

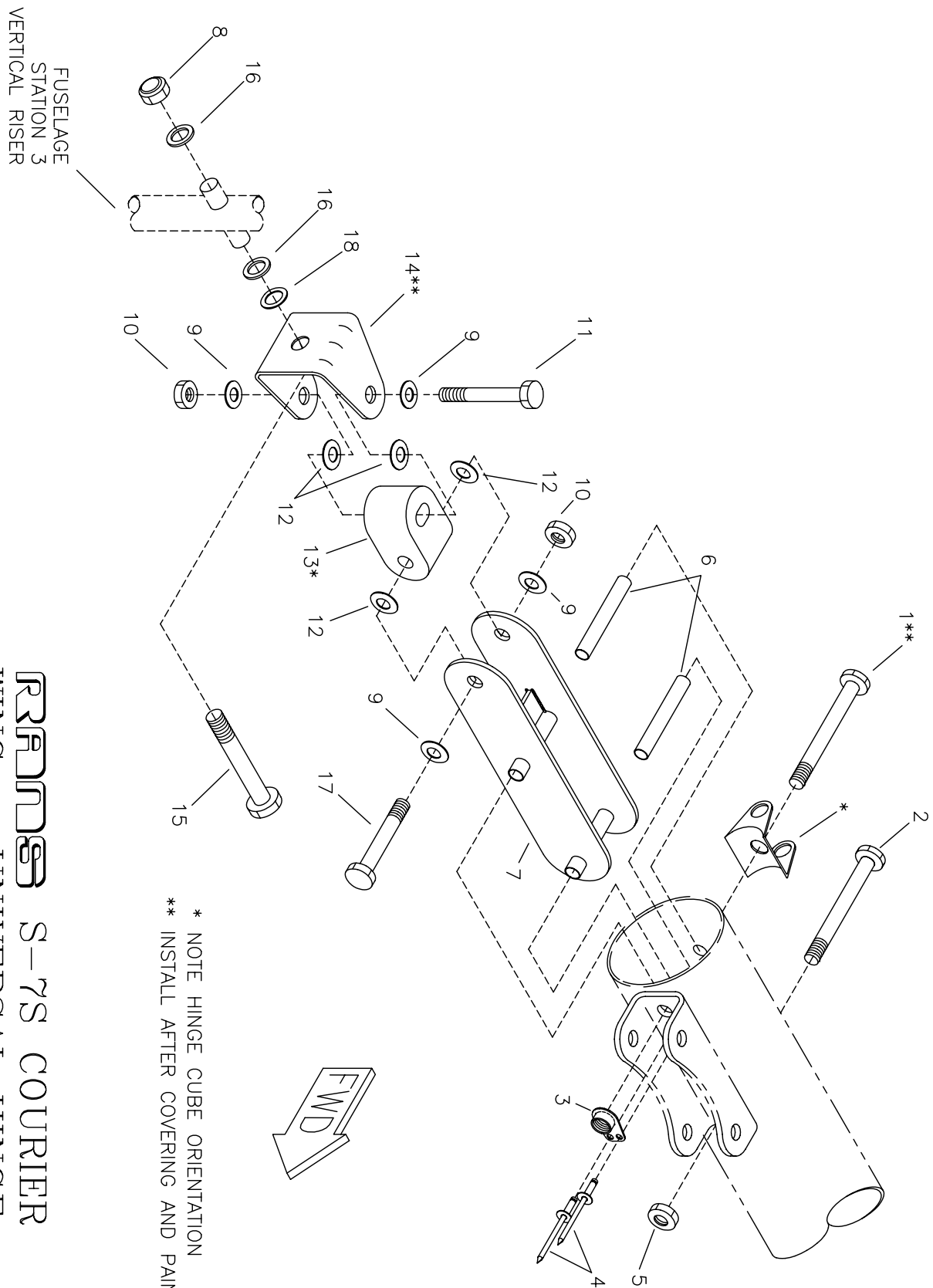
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Forward Jack Mount	KPAV0015	1
2.	Aft Jack Mount	KPAV0016	1
3.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
4.	5/8" Non Cushioned Clamp	AN742-D10	3
5.	3/16" Thin Washer	AN960-10L	4
6.	1/2" Non Cushion Clamp	AN742-D8	1

9/29/2005



S-7S COURIER PITOT/STATIC TO INSTRUMENTS INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Male Connector	KSPT0002	4
2.	Union Tee	KSPT0003	3
3.	Pitot/Static Tubing	KSPT0004	0
4.	90 Degree Elbow	KSPT0006	1



* NOTE HINGE CUBE ORIENTATION
** INSTALL AFTER COVERING AND PAINTING

RRMD S-7S COURIER WING - UNIVERSAL HINGE

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt * **	AN3-24A	0
2.	3/16" Bolt *	AN3-23A	0
3.	Side By Side Nut Plate *	MS21086-L3	0
4.	3/32" Aluminum Rivet *	40APR1/4	0
5.	3/16" Shear Nut *	AN364-1032A	0
6.	Spacer Bushing, 1/4" x .028 x 1 7/8"***	KAAC0042-1	0
7.	Trailing Edge Spar Root Fitting Assembly	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	2
12.	1/4" Thin Washer	AN960-416L	8
13.	Hinge Cube	KPWI0520	2
14.	1" U-Bracket **	SU-118	2
15.	5/16" Bolt	AN5-16A	2
16.	5/16" Thick Washer	AN960-516	4
17.	1/4" Bolt	AN4-15A	2
18.	5/16" Thin Washer	AN960-516L	2

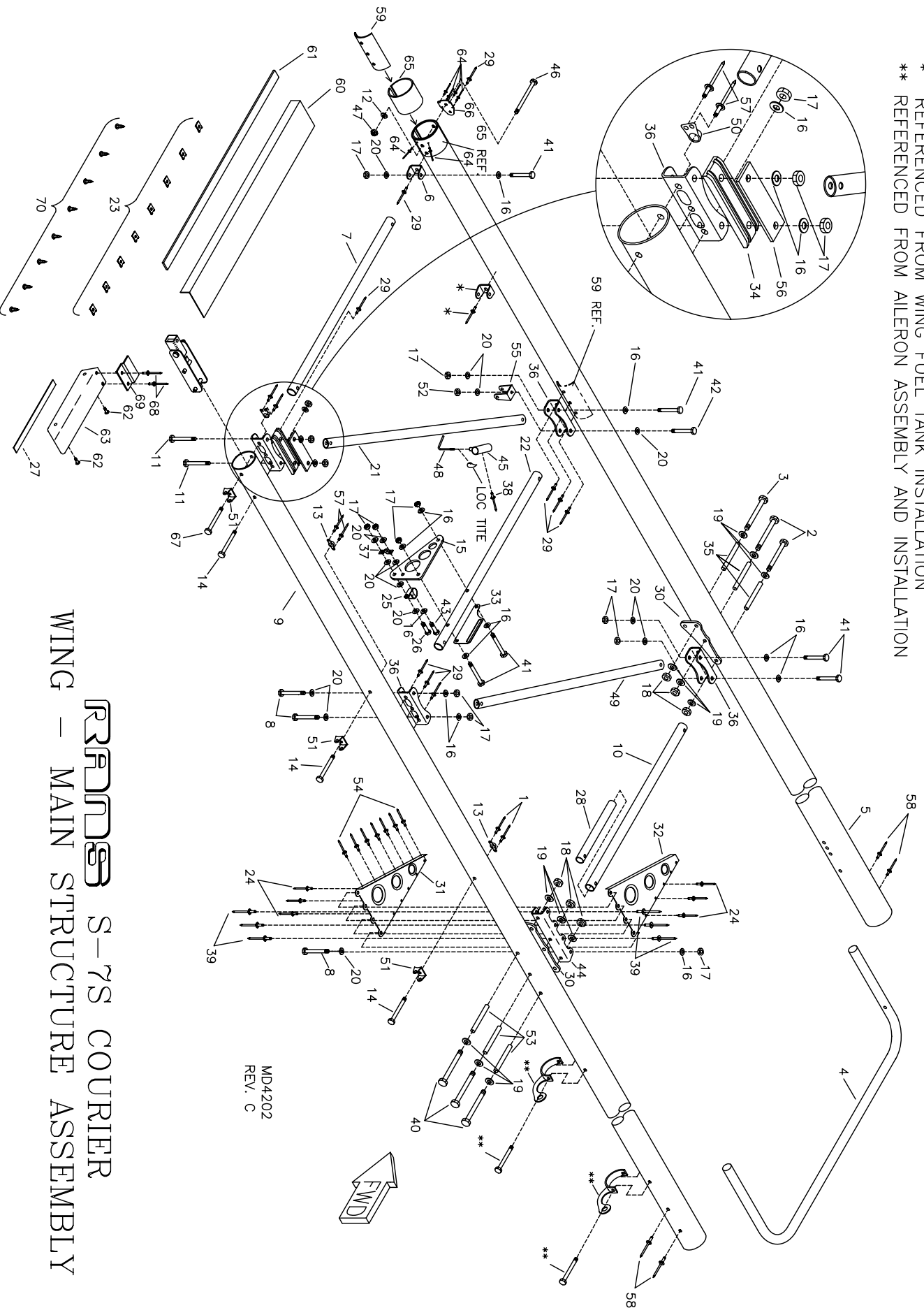
*Referenced from Wing - Main Structure.

**Installed post covering and painting.

***Builder must fabricate from raw stock

6/15/2011

* REFERENCED FROM WING FUEL TANK INSTALLATION
** REFERENCED FROM ALERON ASSEMBLY AND INSTALLATION



MD4202
REV. C

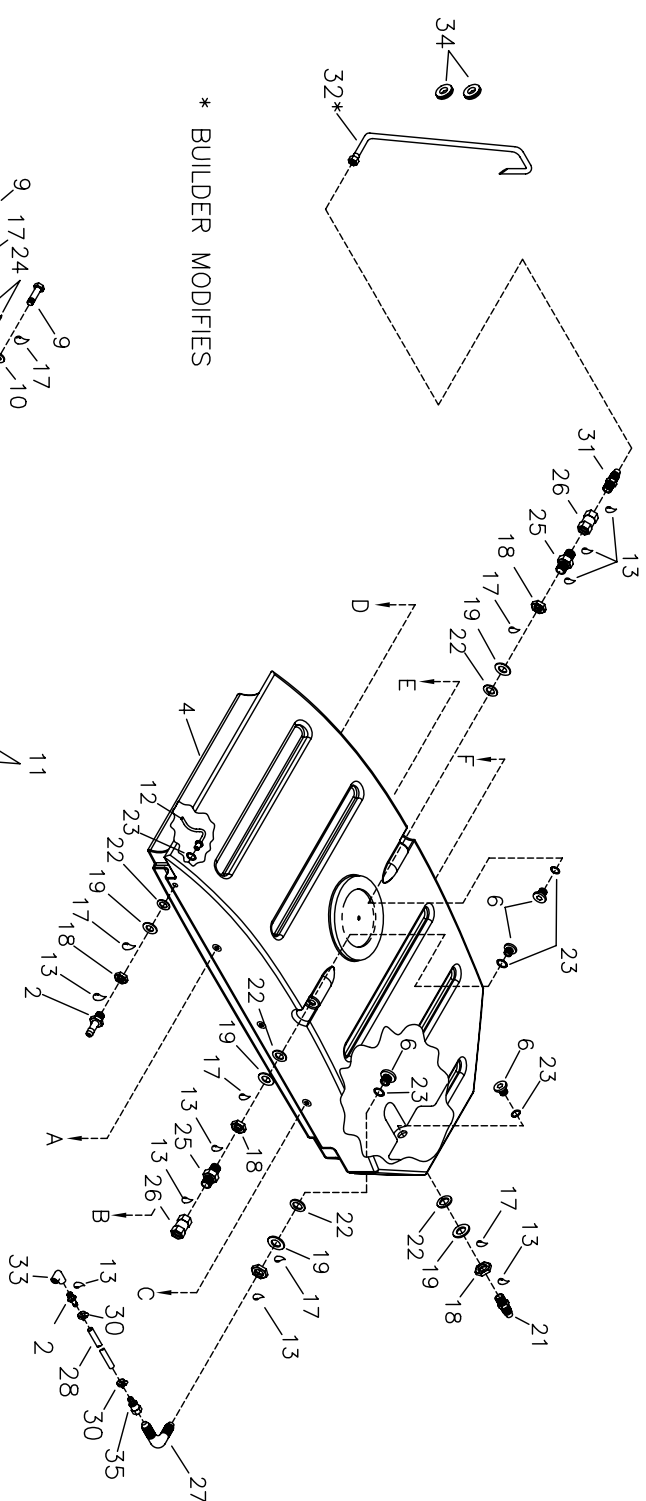
RRD88 S-7S COURIER WING – MAIN STRUCTURE ASSEMBLY

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/32" Aluminum Rivet	40APR1/8	4
2.	1/4" Bolt	AN4-36A	4
3.	1/4" Bolt	AN4-35A	2
4.	Tip Bow	KPWI0377	2
5.	Leading Edge Spar - RH	KPWI0579-R	1
5.	Leading Edge Spar - LH	KPWI0579-L	1
6.	U-Bracket	S2-SAB	2
7.	Inner/Outer Compression Tube	WC-IO	2
8.	3/16" Bolt	AN3-14A	4
9.	Trailing Edge Spar - RH	KPWI0580-R	1
9.	Trailing Edge Spar - LH	KPWI0580-L	1
10.	Compression Tube	KPWI0588	2
11.	3/16" Bolt	AN3-20A	4
12.	3/8" Thick Washer	AN960-616	2
13.	3/16" Nut Plate	K-1000-3	4
14.	3/16" Bolt	AN3-23A	6
15.	Teleflex Retainer	TG-EH	2
16.	3/16" Thin Washer	AN960-10L	30
17.	3/16" Shear Nut	AN364-1032A	28
18.	1/4" Shear Nut	AN364-428A	12
19.	1/4" Thin Washer	AN960-416L	24
20.	3/16" Thick Washer	AN960-10	30
21.	Drag Brace	KPWI0374	2
22.	Compression Tube	KPWI0376	2
23.	Tinnerman	A1789-8Z-1	16
24.	1/8" Aluminum Rivet - Cherry Q	AAPQ-44	12
25.	Plain Clamp	AN742-D4	2
26.	3/16" Bolt	AN3-7A	2
27.	Foam Strip, 1/4" x 1/2"	FS-1/4"x1/2"	2 ft
28.	Compression Tube Doubler	KPWI0353	2
29.	3/16" Stainless Steel Rivet - Cherry Q	CCPQ-64	18
30.	Strut Attach Plate	W-SAP	4
31.	Bell Crank Brace-Control System	KPCS0211	2
32.	Bell Crank Brace-Control System	KPCS0212	2
33.	Cable Guide	CS-OCG	2
34.	Aileron Cable Rub Block - LH	KPCS0091-L	1
34.	Aileron Cable Rub Block - RH	KPCS0091-R	1
35.	Spacer Bushing	SB-3/8X3	6
36.	Long Wing Channel	W-WCL	8
37.	Teleflex Retainer Bracket	KSCS0001	2
38.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-42	2
39.	3/16" Aluminum Rivet - Cherry Q	AAPQ-62	12
40.	1/4" Bolt	AN4-26A	6
41.	3/16" Bolt	AN3-15A	12

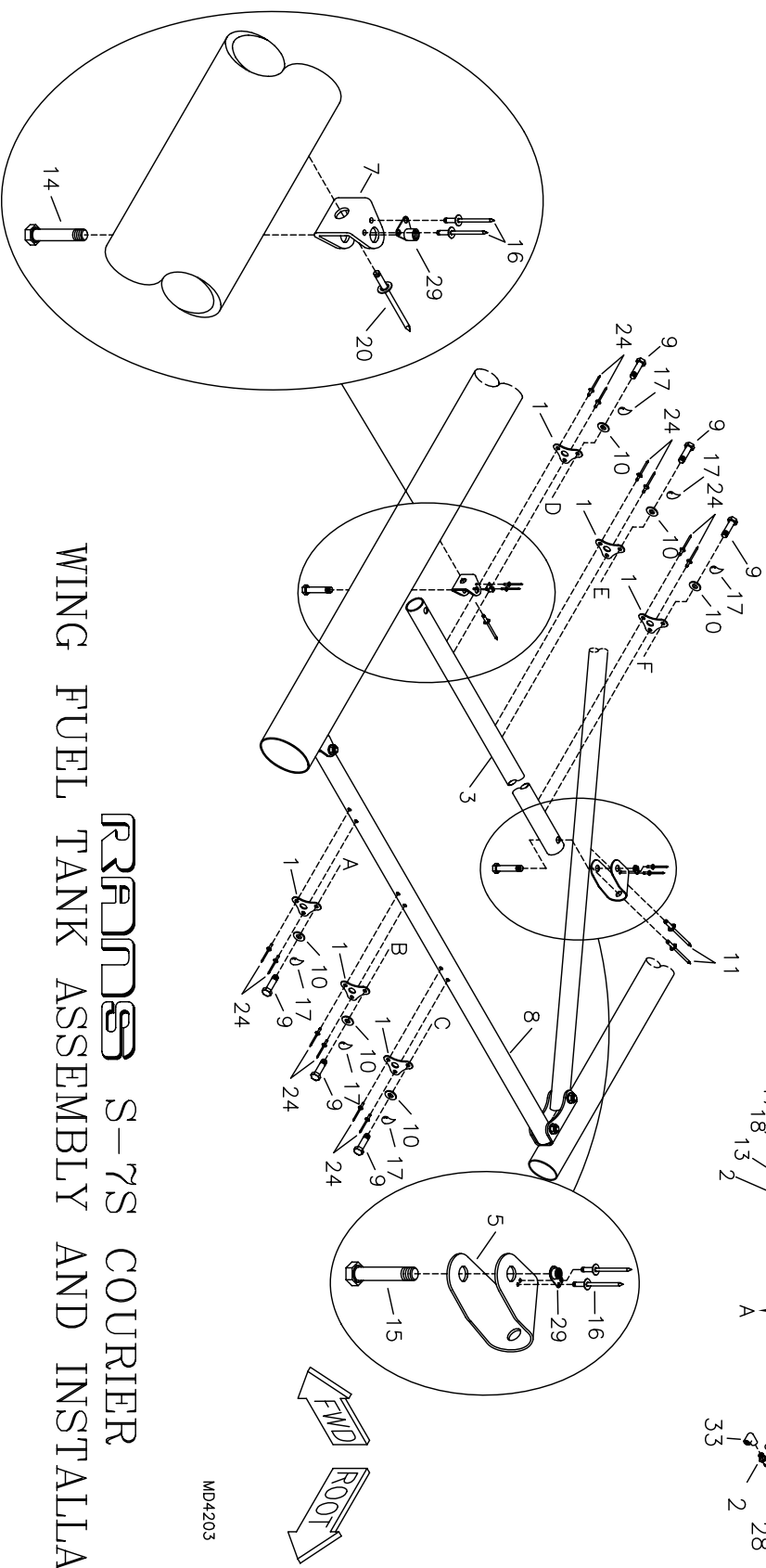
#	DESCRIPTION	PART NUMBER	QUANTITY
42.	3/16" Bolt	AN3-16A	2
43.	3/16" Bolt	AN3-5A	2
44.	U-Bracket	KPCS0213	2
45.	Door Upcatch Socket	D-UCS	2
46.	3/8" Bolt	AN6-35A	2
47.	3/8" Tensile Loc Nut	AN365-624A	2
48.	Door Upcatch	KPDR0043	2
49.	Drag Brace	KPWI0375	2
50.	3/16" Side by Side Nut Plate	MS21086-L3	2
51.	Wing Hinge Bracket	W-HB	6
52.	3/16" Tensile Nut	AN365-1032A	2
53.	Spacer Bushing	SB-3/8X2	6
54.	1/8" Aluminum Rivet - Cherry Q	AAPQ-42	14
55.	Folding Jury Strut Bracket	JS-BK	2
56.	Top Plate-Rub Block	KPCS0092	2
57.	3/32" Aluminum Rivet	40APR1/4	8
58.	3/16" Stainless Steel Rivet - Cherry Q	CCPQ-62	8
59.	Leading Edge Spar Doubler	KPWI0264	2
60.	Wing Root Bottom Gap Seal - RH	KPWI0587-R	1
60.	Wing Root Bottom Gap Seal - LH	KPWI0587-L	1
61.	1/2" Black Foam Tape	KSAC0021	9 ft
62.	#6 Pan Head Screw	6RX1/2 PHS	4
63.	Fillet - Flap	KPFL0140-L	1
63.	Fillet - Flap	KPFL0140-R	1
64.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-44	12
65.	Leading Edge Spar Root Doubler	KPWI0355	2
66.	Leading Edge Patch	KPWI0356	2
67.	3/16" Bolt	AN3-24A	2
68.	1/8" Aluminum Rivet - Avex	1691-0410	4
69.	Flap Fillet Attach Strip*	KPFL0141	1
70.	#8 Pan Head Screw	8x1/2 PHS	16

*Builder modifies

10/1/2011



* BUILDER MODIFIES



REFUEL S-7S COURIER WING FUEL TANK ASSEMBLY AND INSTALLATION

MD4203



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Wing Tank - Mount Bracket	KPFS0007	12
2.	Straight Withdrawal Fitting	8330	4
3.	Outer Tank Support	KPFS0040	2
4.	Fuel Tank	KPFS0092	2
5.	U Bracket	KPAC0055	2
6.	Tank Withdrawal Fitting	KPFS0017	8
7.	U-Bracket	S2-SAB	2
8.	Inner Compression Tube *	WC-IO	0
9.	3/16" Bolt	AN3-3A	12
10.	3/16" Thick Washer	AN960-10	12
11.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-42	4
12.	Fuel Pick Up Line - RH	KPFS0094-R	1
12.	Fuel Pick Up Line - LH	KPFS0094-L	1
13.	Thread Sealant **	----	0
14.	3/16" Bolt	AN3-14A	2
15.	3/16" Bolt	AN3-13A	2
16.	3/32" Aluminum Rivet	40APR1/8	8
17.	Loctite Blue **	----	0
18.	Nut - Flared Tube Bulkhead	AN924-5D	10
19.	1/2" Thick Washer	AN960-816	10
20.	3/16" Stainless Steel Rivet - Cherry Q	CCPQ-64	2
21.	Straight Fitting	AN816-6-2D	2
22.	Rubber Washer	KSFS0010	10
23.	O-Ring	KSFS0009	10
24.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-44	24
25.	1/8" NPT Nipple	KSAC0032	4
26.	Coupler	AN910-1D	4
27.	90 Degree Fitting	AN822-4D	2
28.	Black Fuel Line - 1/4"	KSFS0002	3 ft
29.	3/16" Side by Side Nut Plate	MS21086-L3	4
30.	Hose Clamp	5-6202	4
31.	Straight Fitting	AN816-4D	2
32.	Outboard Vent Line	KPFS0098	2
33.	Elbow - Internal Thread	AN916-1D	2
34.	Rubber Grommet	MS35489-11	4
35.	Straight Fuel Fitting	KSFS0024	2

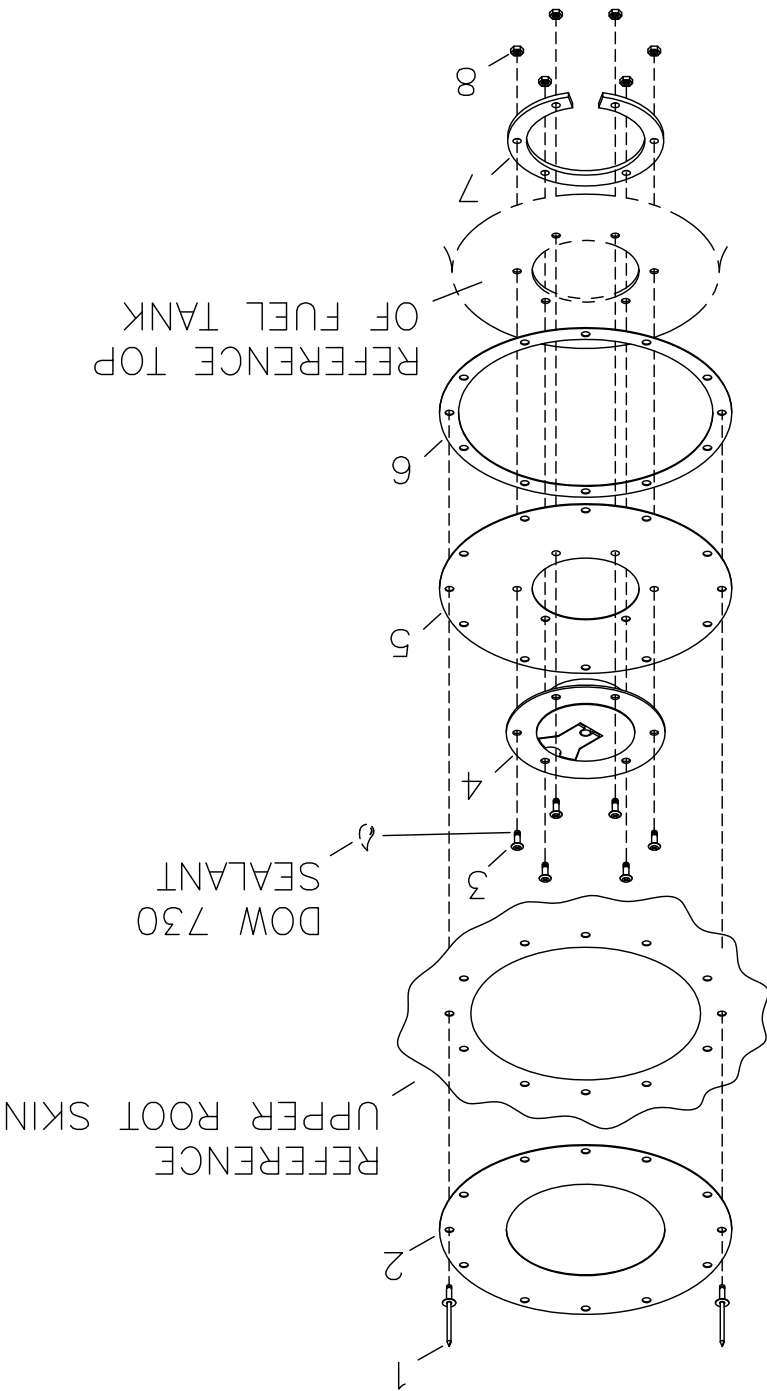
*Referenced from Wing - Main Structure.

**Builder Supplied

2/14/2012

RRMS S-7S COURIER
FUEL CAP ASSEMBLY

MD5543
REV. A



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Rivet - Avex	1691-0410	24
2.	Cover Ring	KPWI0616	2
3.	3/16" Countersunk Machine Screw	MS24694-S53	12
4.	Fuel Cap Assembly - Flush	KSFS0035	2
5.	Fuel Scupper	KPWI0615	2
6.	Capture Ring	KPWI0547	2
7.	Retainer	KPWI0614	2
8.	3/16" Loc Nut - Steel	AN364-1032C	12

MD4204

REFERENCE AILERON ASSEMBLY

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32

TIP

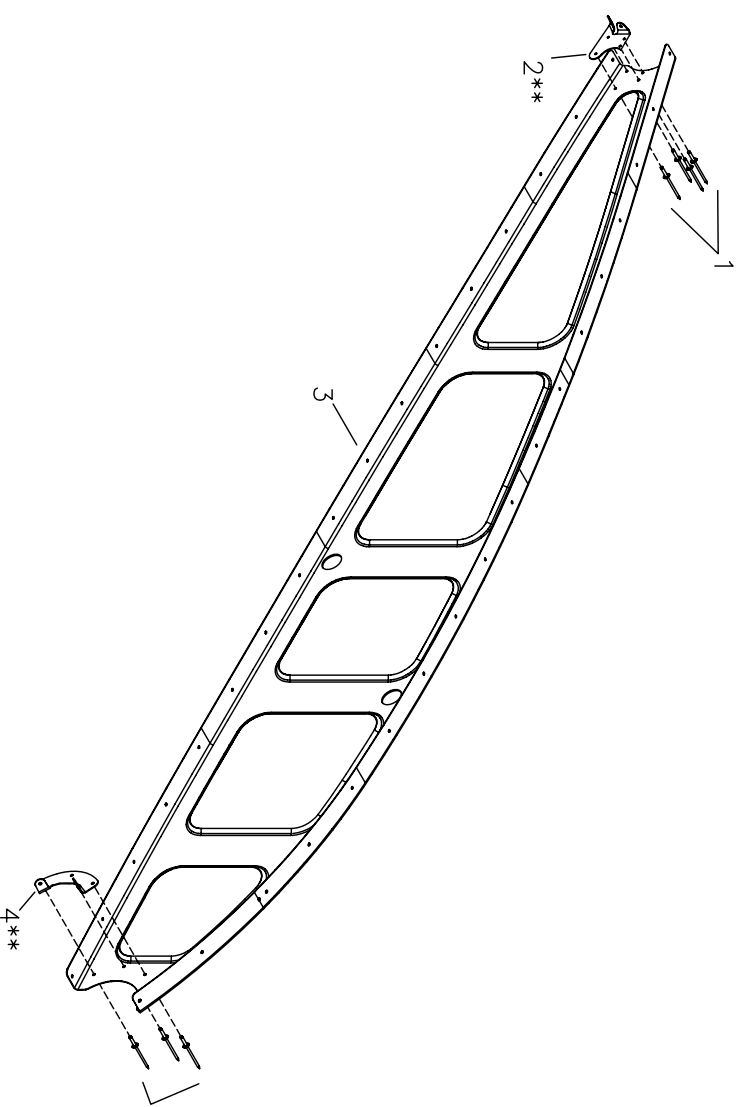
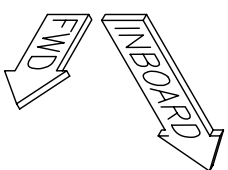
FWD

RIVET TO WING RIB

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-14	2
2.	1/4" Thick Washer	AN960-416	4
3.	Male Rod End	NM-4	4
4.	1/4" Castle Nut	AN310-4	2
5.	Spindle-Bell Crank	KPCS0214	2
6.	Bell Crank Upper Arm - LH	KPCS0215-L	1
6.	Bell Crank Upper Arm - RH	KPCS0215-R	1
7.	3/16" Bolt	AN3-6	4
8.	3/16" Large Washer	AN970-3	4
9.	3/16" Castle Nut	AN310-3	6
10.	Small Cotter Pin	MS24665-134	8
11.	Bell Crank Arm-Control System	KPCS0216	2
12.	5/8" Thin Washer - Stainless Steel	AN960C-1016L	4
13.	3/16" Bolt	AN3-12A	2
14.	3/16" Thin Washer	AN960-10L	18
15.	3/16" Shear Nut	AN364-1032A	10
16.	Bearing - Control System	KSCS0019	4
17.	3/16" Bolt	AN3-20A	8
18.	Bearing Mount Block - Bellcrank	KPCS0217	4
19.	Aileron Link Cable	KPCS0219	2
20.	Aileron Cable	KPCS0220	2
21.	1/4" Plain Nut	AN345-416	4
22.	1/8" Aluminum Rivet - Cherry Q	AAPQ-44	12
23.	Bushing-Aileron	KPAC0182	4
24.	3/4" Push/Pull Tube End Fitting	CS-3/4PTEF	4
25.	Push/Pull Tube-Aileron	KPCS0218	2
26.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-42	16
27.	1/8" Aluminum Rivet - Avex	1691-0410	8
28.	Bushing 1/4" x .028 x 3/8"	KAAC0042-1	0
29.	3/16" Thick Washer	AN960-10	2
30.	#10 SS Washer	BSHW0022	2
31.	Rib Reinforcement - Bellcrank - LH	KPWI0552-L	1
31.	Rib Reinforcement - Bellcrank - RH	KPWI0552-R	1
32.	3/16" Bolt	AN3-7	2

*Builder fabricates from raw stock

6/15/2011



* RIB FOR RH WING SHOWN
RIB FOR LH WING IS A MIRROR IMAGE

** BUILDER MODIFIES

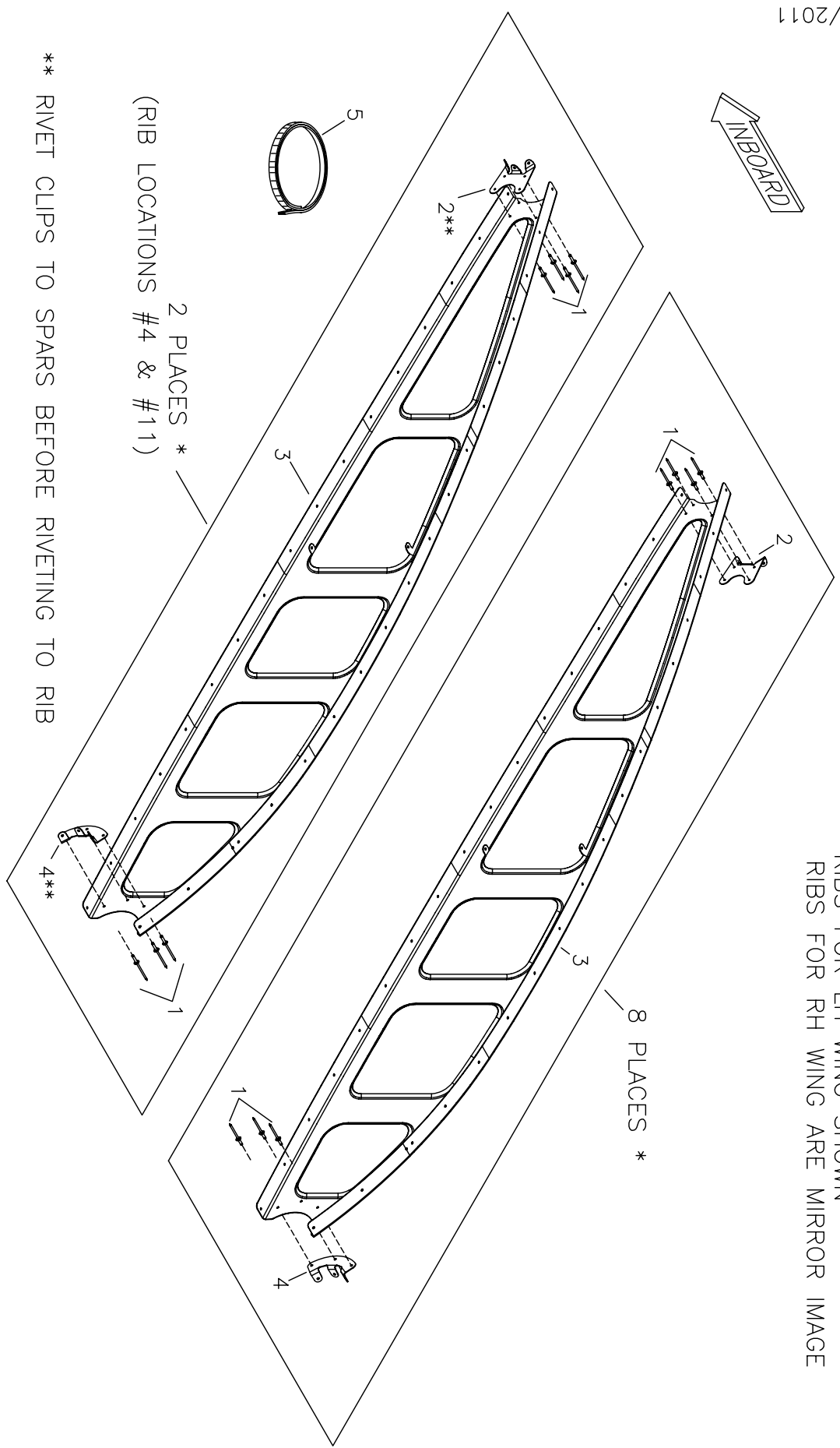
RRR S-7S COURIER WING - ROOT RIB ASSEMBLY

MD5541

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Rivet - Cherry Q	AAPQ-41	14
2.	Rib Attach Clip - AFT *	KPWI0460	2
3.	Root Rib - RH	KPWI0571-R	1
3.	Root Rib - LH	KPWI0571-L	1
4.	Rib Attach Clip - FWD *	KPWI0459	2

*Builder modifies

6/15/2011



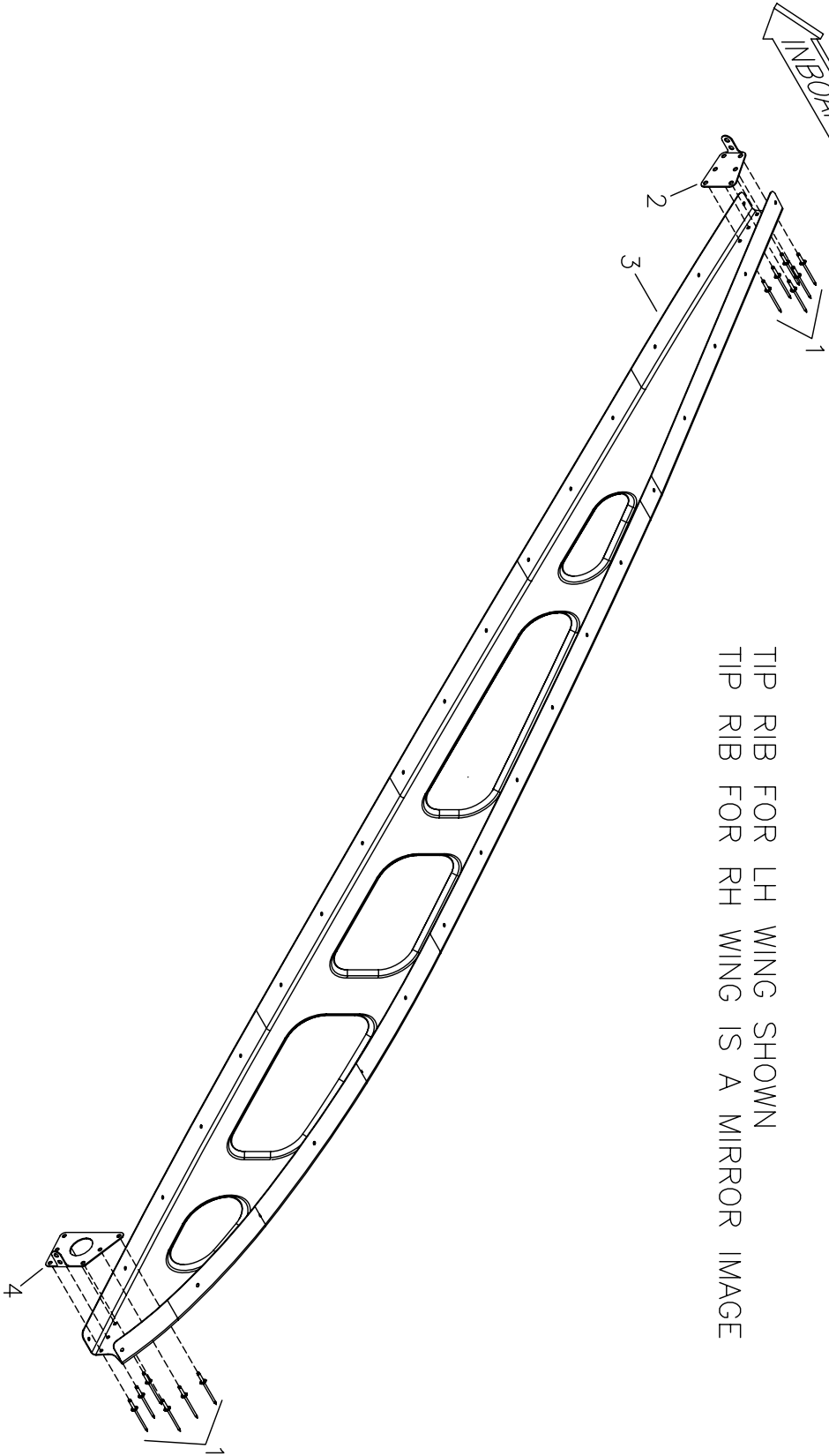
Red Bull S-7S COURIER WING RIB ASSEMBLY

MD5523

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Rivet - Cherry Q	AAPQ-41	140
2.	Rib Attach Clip - AFT	KPWI0460	20
3.	Wing Rib - LH	KPWI0543-L	10
3.	Wing Rib - RH	KPWI0543-R	10
4.	Rib Attach Clip - FWD	KPWI0459	20
5.	Serrated Grommet Strip	KSAC0023	15 in

INBOARD

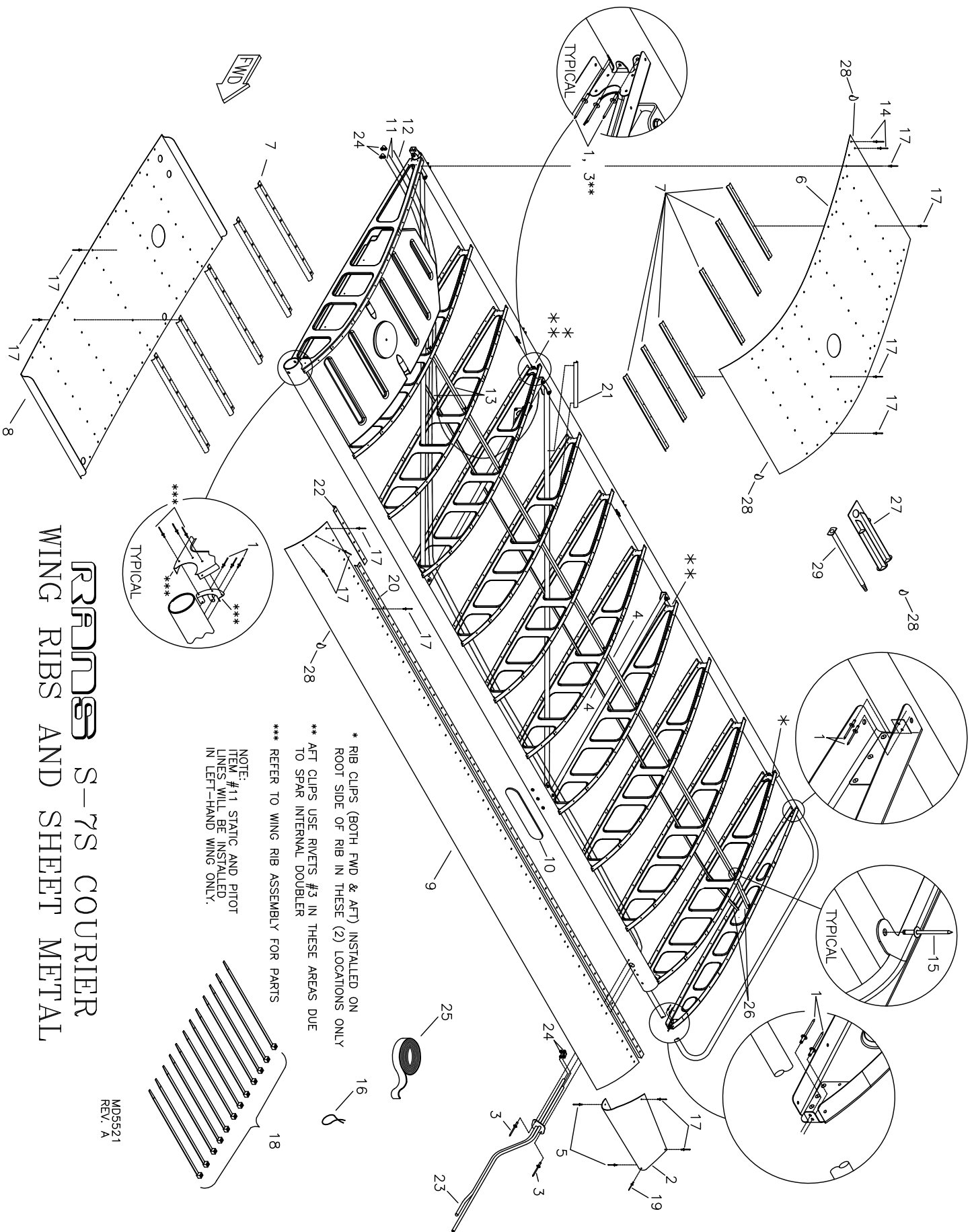
TIP RIB FOR LH WING SHOWN
TIP RIB FOR RH WING IS A MIRROR IMAGE



S-7S COURIER
WING TIP RIB ASSEMBLY

MD5522

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Rivet - Cherry Q	AAPQ-41	24
2.	Rib Clip Trailing Edge - LH	KPWI0372-L	1
2.	Rib Clip Trailing Edge - RH	KPWI0372-R	1
3.	Wing Tip Rib - LH	KPWI0544-L	1
3.	Wing Tip Rib - RH	KPWI0544-R	1
4.	Rib Clip Leading Edge - LH	KPWI0373-L	1
4.	Rib Clip Leading Edge - RH	KPWI0373-R	1



P-51 MUSTANG WING RIBS AND SHEET METAL

NOTE: #11 STATIC AND PITOT
ITEMS WILL BE INSTALLED
IN LEFT-HAND WING ONLY.

*** REFER TO WING RIB ASSEMBLY FOR PARTS

** AFT CLIPS USE RIVETS #3 IN THESE AREAS DUE
TO SPAR INTERNAL DOUBLER

* RIB CLIPS (BOTH FWD & AFT) INSTALLED ON
ROOT SIDE OF RIB IN THESE (2) LOCATIONS ONLY

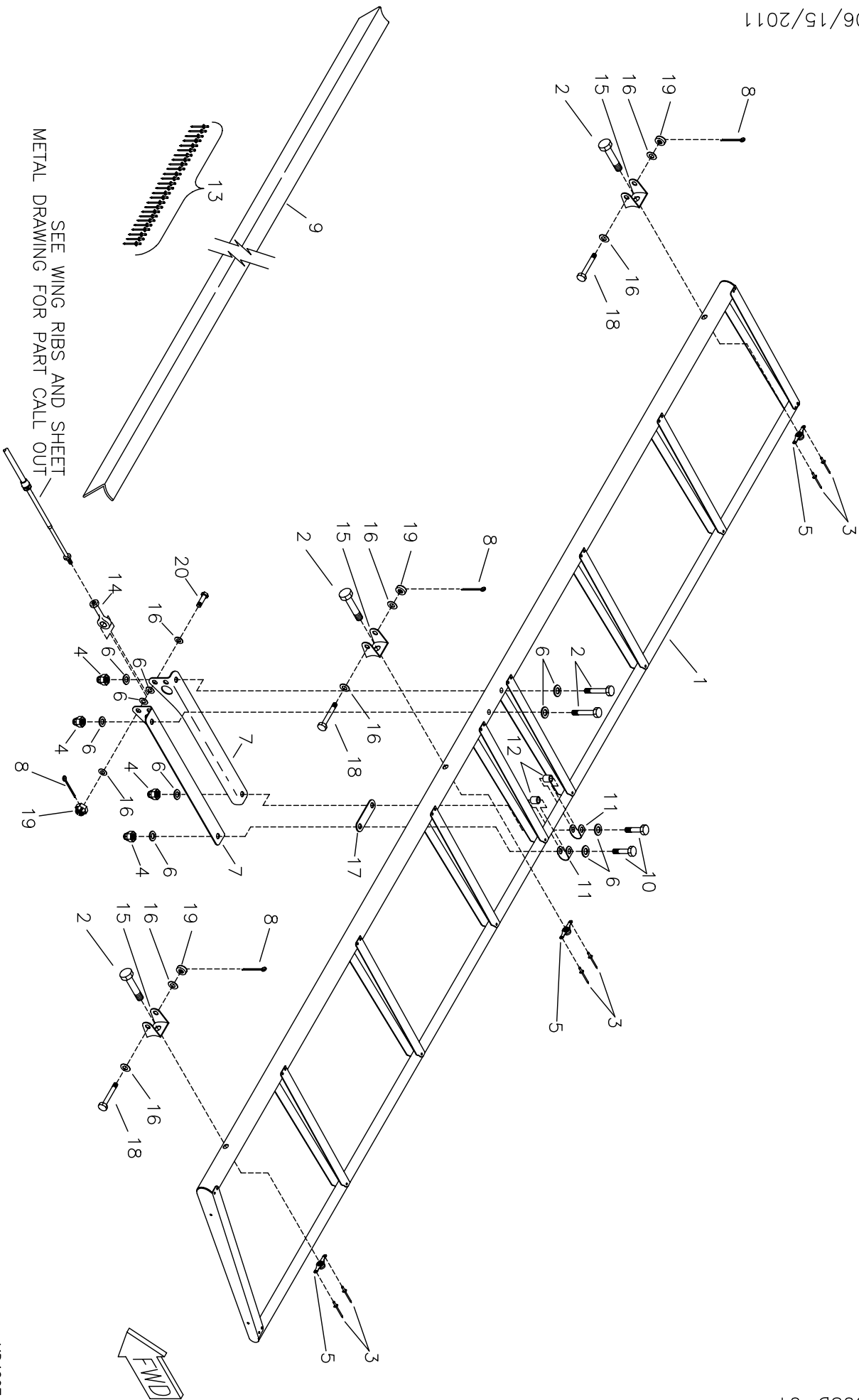
MD5521
REV. A

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Rivet - Cherry Q	AAPQ-42	126
2.	Leading Edge Tip Wrap - LH	KPWI0359-L	1
2.	Leading Edge Tip Wrap - RH	KPWI0359-R	1
3.	1/8" Aluminum Rivet - Cherry Q	AAPQ-44	14
4.	Rib Stringer - Outboard	KPWI0550	4
5.	1/8" Aluminum Rivet - Avex	1691-0410	4
6.	Upper Root Skin - Wing	KPWI0569	2
7.	Root Skin Stiffener	KPWI0574	22
8.	Lower Root Skin - Wing - LH	KPWI0570-L	1
8.	Lower Root Skin - Wing - RH	KPWI0570-R	1
9.	Wing Leading Edge Wrap	KPWI0551	2
10.	Bolt Cover	KPWI0208	2
11.	Pitot/Static Line	KSPT0004	56 ft
12.	Flap Teleflex - 16'	MORSE CABLE-16	2
13.	Rib Stringer - Inboard	KPWI0575	4
14.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-42	4
15.	1/8" Aluminum Rivet - Cherry Q	AAPQ-41	44
16.	Safety Wire **	-----	0
17.	1/8" Stainless Steel Rivet - Flush	CCC-42	380
18.	Plastic Tie-7.5"	N-TIES	16
19.	3/32" Aluminum Rivet	40APR1/8	2
20.	Leading Edge Wrap Stringer - Outboard	KPWI0567	2
21.	Anti-Chafe *	KPWI0612	1
22.	Leading Edge Wrap Stringer - Inboard	KPWI0576	2
23.	Pitot/Static Probe Assembly	KAPT0002	1
24.	Union Elbow	KSPT0005	4
25.	Double Stick Foam Tape **	-----	0
26.	Rib Stringer - Tip Rib	KPWI0582	4
27.	Plunger **	AD0627	0
28.	DP-460 Epoxy Adhesive **	DP-460	0
29.	Mixer Tube **	AD0293	0

*Builder Modifies

**Builder supplied.

1/30/2014

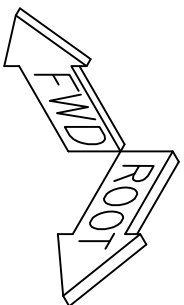


REFINISH S-7S COURIER FLAP ASSEMBLY AND INSTALLATION

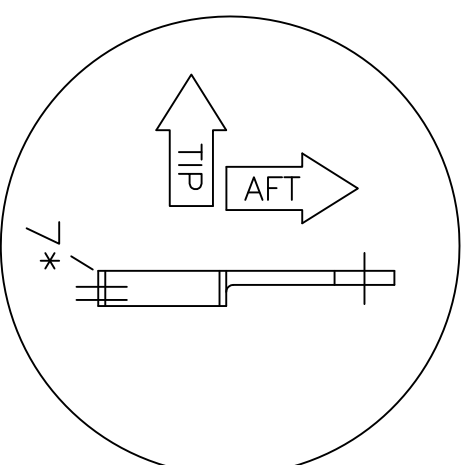
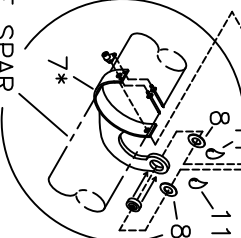
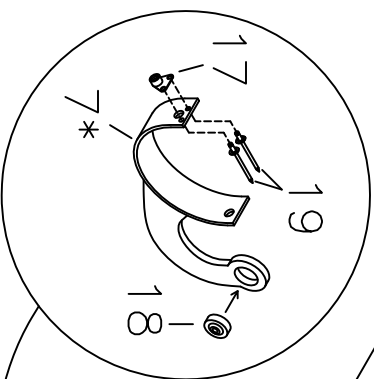
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Flap Frame Ass'y	KAFL0016	2
2.	3/16" Bolt	AN3-14A	10
3.	3/32" Aluminum Rivet	40APR1/8	12
4.	3/16" Shear Acorn Nut	22NKM02	8
5.	3/16" Nut Plate	K-1000-3	6
6.	3/16" Thin Washer	AN960-10L	20
7.	Flap Horn Attach Angle, LH	KPFL0094-L	2
7.	Flap Horn Attach Angle, RH	KPFL0094-R	2
8.	Small Cotter Pin	MS24665-134	8
9.	Control Surface Gap Seal	GAP-2	4
10.	3/16" Bolt	AN3-10A	4
11.	Aileron Clip	W-A-CLIP	4
12.	Spacer Bushing-Aileron/Flap 1/4"x.028x1/2"*	KAAC0042-1	0
13.	1/8" Aluminum Rivet - Avex	1691-0410	26
14.	Female Rod End	NF-3	2
15.	Wing Hinge Bracket	W-HB	6
16.	3/16" Thick Washer	AN960-10	16
17.	Aileron Clip	KPAC0191	2
18.	3/16" Bolt	AN3-15	6
19.	3/16" Castle Nut	AN310-3	8
20.	3/16" Bolt	AN3-10	2

*Builder fabricates from raw stock

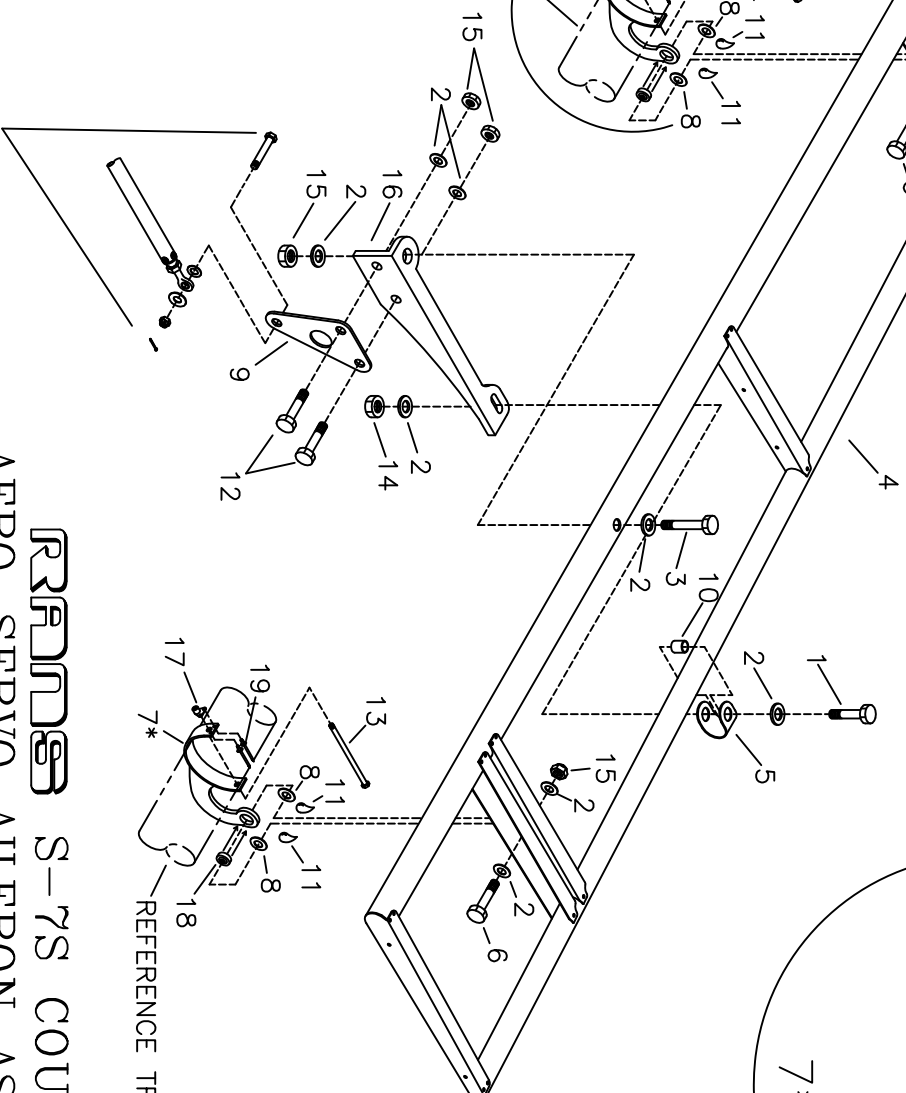
6/15/2011



NOTE: RIGHT AILERON SHOWN



* ARM PORTION OF AILERON HINGE IS POSITIONED TOWARD AFT AND TIP OF WING. FLANGE FACES TOWARD ROOT OF WING.



REFERENCE TRAILING EDGE SPAR

MD5545
REV. A

REFERENCE AILERON BELLCRANK AND
CABLE INSTALLATION

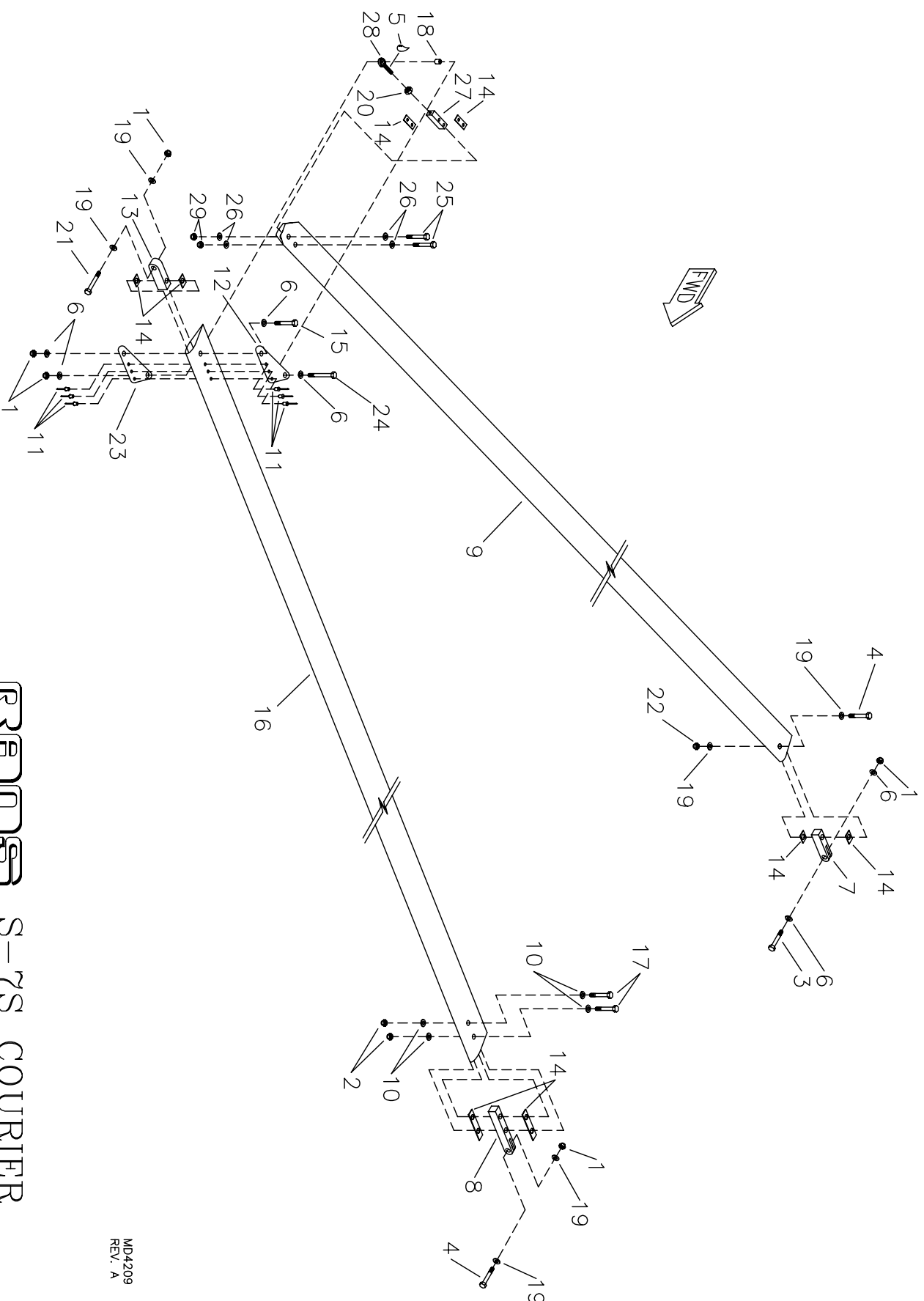
REDUNDANT S-7S COURIER
AERO-SERVO AILERON ASSEMBLY
AND INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-10A	2
2.	3/16" Thin Washer	AN960-10L	16
3.	3/16" Bolt	AN3-20A	2
4.	Aileron Frame Assembly	KAAL0015	2
5.	Aileron Clip	W-A-CLIP	2
6.	3/16" Bolt	AN3-7A	4
7.	Aileron Hinge - LH	KPAL0112-L	2
7.	Aileron Hinge - RH	KPAL0112-R	2
8.	3/16" Thick Washer	AN960-10	8
9.	Aileron Horn	KPAL0124	2
10.	Aluminum Bushing, 1/4" x .028" x 1/2" *	KAAC0042-1	0
11.	Adhesive - Superglue **	-----	0
12.	3/16" Bolt	AN3-4A	4
13.	3/16" Bolt	AN3-25A	4
14.	3/16" Shear Acorn Nut	22NKM02	2
15.	3/16" Shear Nut	AN364-1032A	8
16.	Aileron Attach Angle - LH	KPAL0125-L	1
16.	Aileron Attach Angle - RH	KPAL0125-R	1
17.	3/16" Side by Side Nut Plate	MS21086-L3	4
18.	3/16" Spherical Bearing	KSHW0089	4
19.	3/32" Aluminum Rivet	40APR1/4	8

*Builder fabricates from raw stock

** Builder supplied

2/1/2012



REDUCED S-7S COURIER LIFT STRUT ASSEMBLY & INSTALLATION

MD4209
REV. A

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Shear Nut	AN364-524A	10
2.	1/4" Shear Acorn Nut	52NKTE-048	4
3.	5/16" Bolt	AN5-12A	2
4.	5/16" Bolt	AN5-13A	4
5.	Loctite Blue ***	-----	0
6.	5/16" Thick Washer	AN960-516	12
7.	AFT Connector - Lift Strut	LS-ACU-2	2
8.	Forward Lift Strut Connector	LS-FCU	2
9.	AFT Lift Strut	KPLS0046	2
10.	1/4" Thin Washer	AN960-416L	8
11.	3/16" Stainless Steel Rivet - Cherry Q	CCPQ-64	12
12.	Gusset Plate	116-S-GUSS-A	2
13.	Lower Connector - Lift Strut	LS-SC-F-ALUM	2
14.	.020 SHT. X 75" X 8" * **	KAAC0042-6	0
15.	5/16" Bolt	AN5-17A	2
16.	FWD Lift Strut	KPLS0014	2
17.	1/4" Bolt	AN4-15A	4
18.	Spacer Bushing, 3/8" x .035 x .50" *	KAAC0042-11	0
19.	5/16" Thin Washer	AN960-516L	12
20.	3/8" Plain Nut	MS35650-3382	2
21.	5/16" Bolt	AN5-14A	2
22.	5/16" Shear Acorn Nut	52NKTE-054	2
23.	Gusset Plate	116-S-GUSS-B	2
24.	5/16" Bolt	AN5-11A	2
25.	3/16" Bolt	AN3-13A	4
26.	3/16" Thick Washer	AN960-10	8
27.	Adjuster End	S-AE-3/4	2
28.	Rod End	3/8X24 ROD END	2
29.	3/16" Shear Nut	AN364-1032A	4

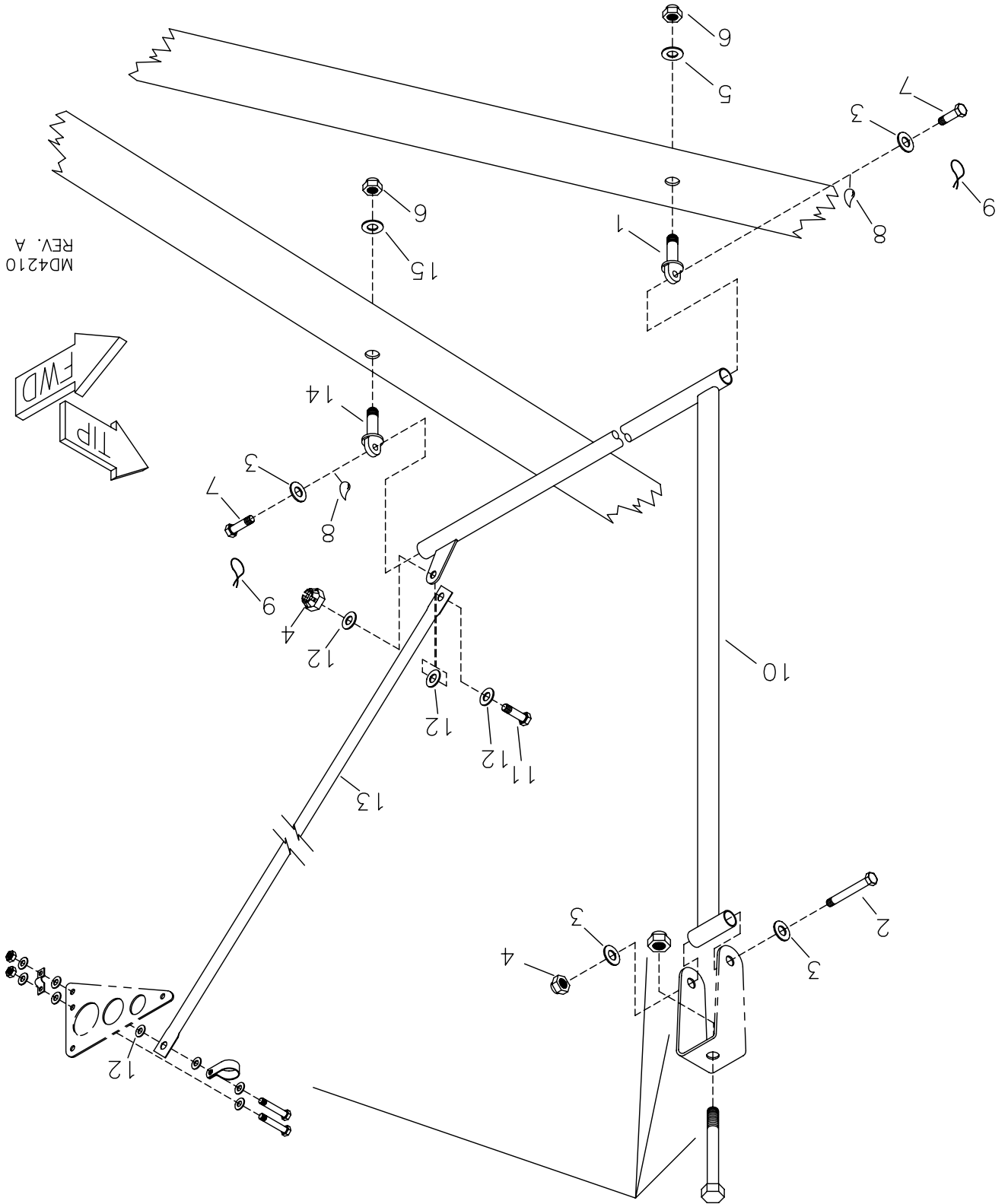
*Builder must fabricate from raw stock

**Use only if neccessary.

*** Builder Supplied

10/1/2011

REFER TO WING SECTION
FOR PART IDENTIFICATION



RANDS S-7S COURIER JURY STRUT INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Eyebolt	AN43B-15A	2
2.	3/16" Bolt	AN3-14A	2
3.	3/16" Thin Washer	AN960-10L	8
4.	3/16" Shear Nut	AN364-1032A	2
5.	1/4" Thin Washer	AN960-416L	2
6.	1/4" Tensile Nut	AN365-428A	4
7.	3/16" Bolt	AN3H-4A	4
8.	Loctite Blue *	-----	0
9.	Safety Wire *	-----	0
10.	Jury Strut Assembly	KAJS0003	2
11.	3/16" Bolt	AN3-5A	2
12.	3/16" Thick Washer	AN960-10	8
13.	AFT Jury Strut	KPJS0009	2
14.	1/4" Eyebolt	AN43B-14A	2
15.	1/4" Thick Washer	AN960-416	2

*Builder Supplied

10/1/2011

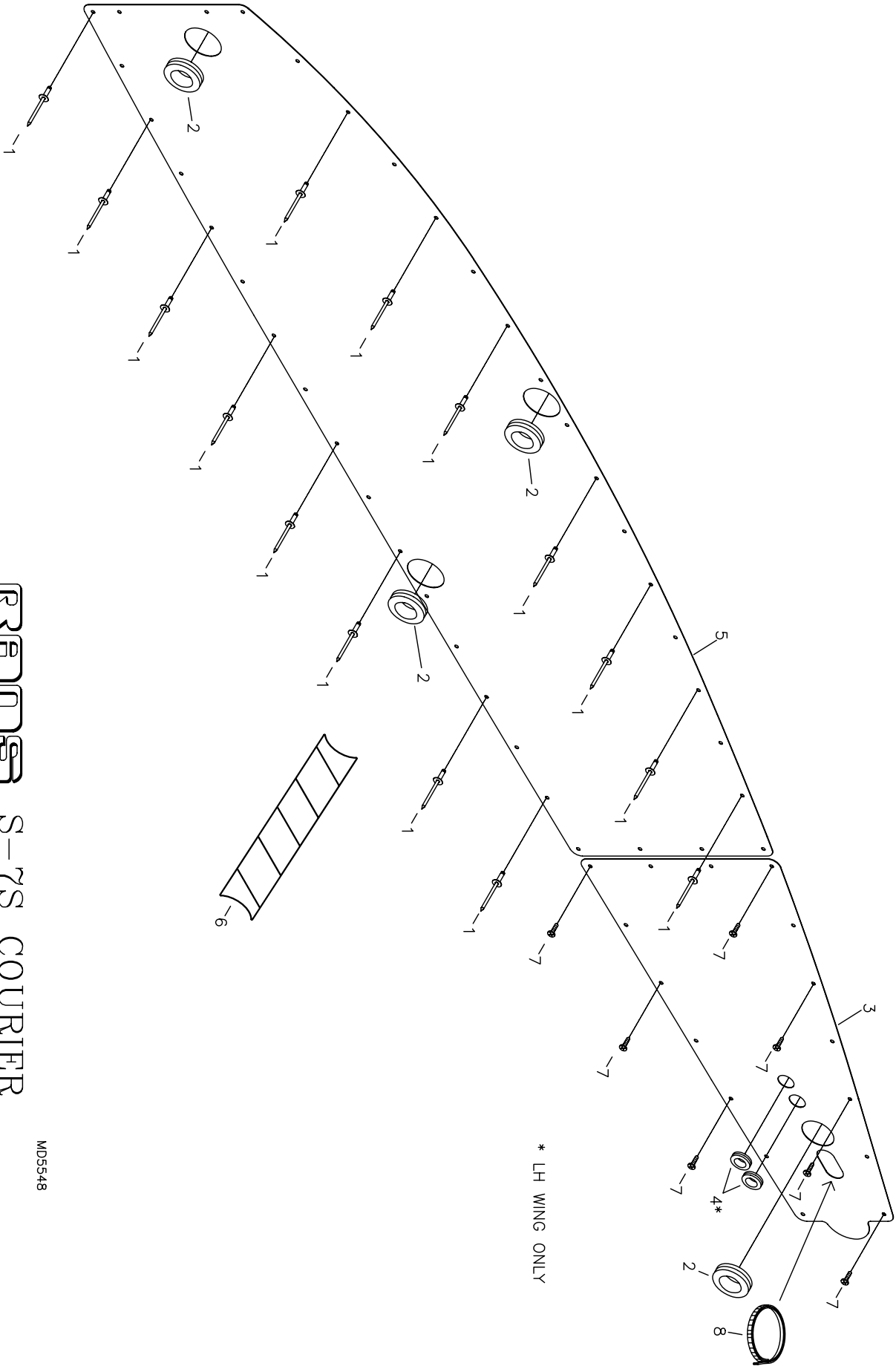


RAMS S-7S COURIER WING TIP ASSEMBLY AND INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	#6 Pan Head Screw	6RX1/2 PHS	68
2.	1/8" Aluminum Rivet - Avex	1691-0410	12
3.	Aft Closure - Wing Tip	KPWI0381	2
4.	Wing Tip	KPWI0378 - R	1
4.	Wing Tip	KPWI0378 - L	1
5.	Strobe Light Mount - AVEO	KPWI0541	2
6.	3/16" Nut Plate	K-1000-3	2
7.	3/32" Aluminum Rivet	40APR1/8	4

REDIRECT S-7S COURIER
ROOT SKIN INSTALLATION

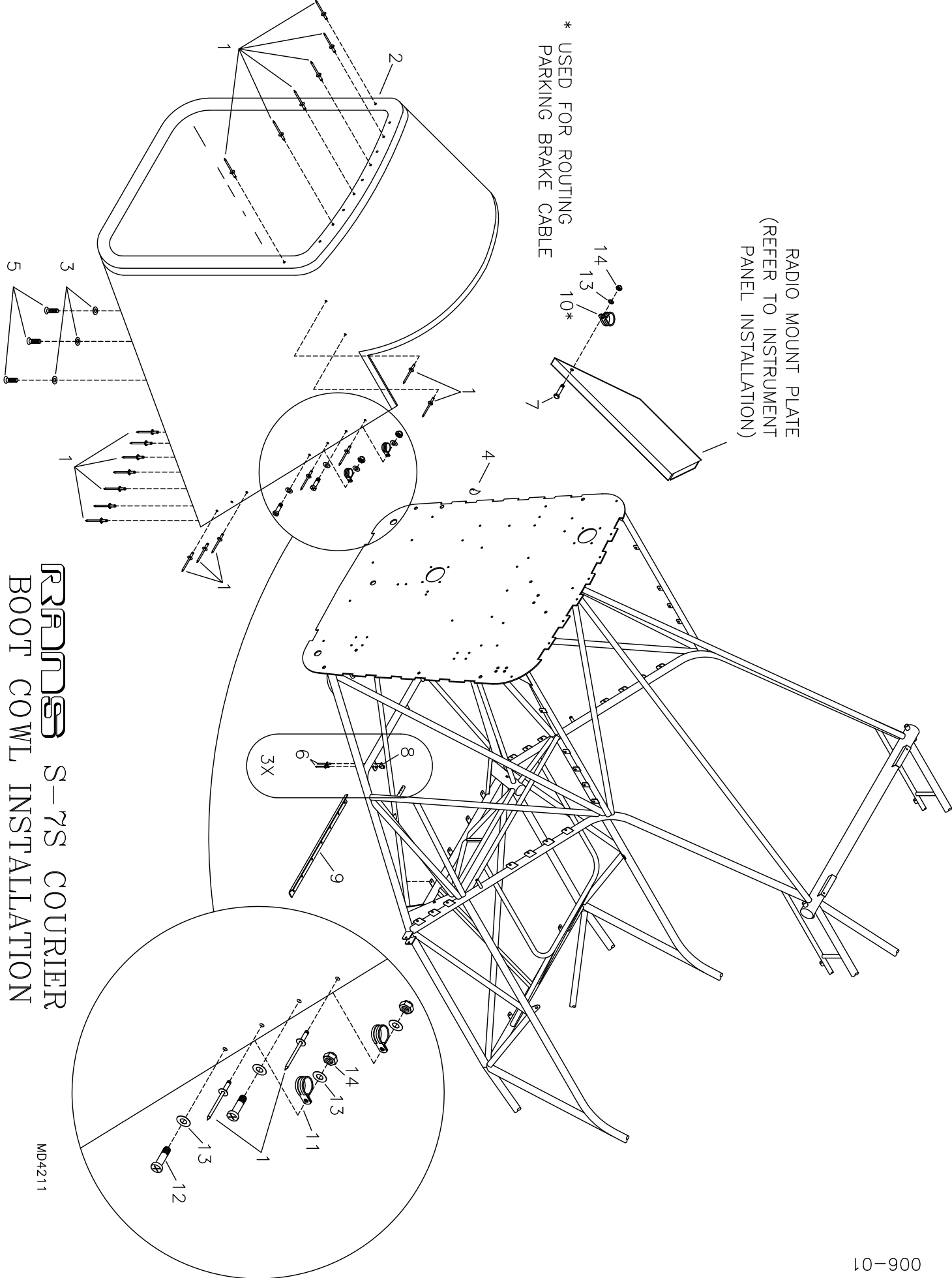
MD5548



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/32" Aluminum Rivet	40APR1/8	72
2.	Rubber Grommet	MS35489-17	8
3.	Root Rib Closeout - AFT	KPWI0573	2
4.	Rubber Grommet	MS35489-6	2
5.	Root Rib Closeout - FWD	KPWI0572	2
6.	Fuel Sight Gauge Decal - LH *	KPPL0024-L	0
6.	Fuel Sight Gauge Decal - RH *	KPPL0024-R	0
7.	#4 Small Pan Head Screw	4X1/4 PHS	36
8.	Serrated Grommet Strip	KSAC0023	6 in

* Referenced from Placards/Labels/Markers

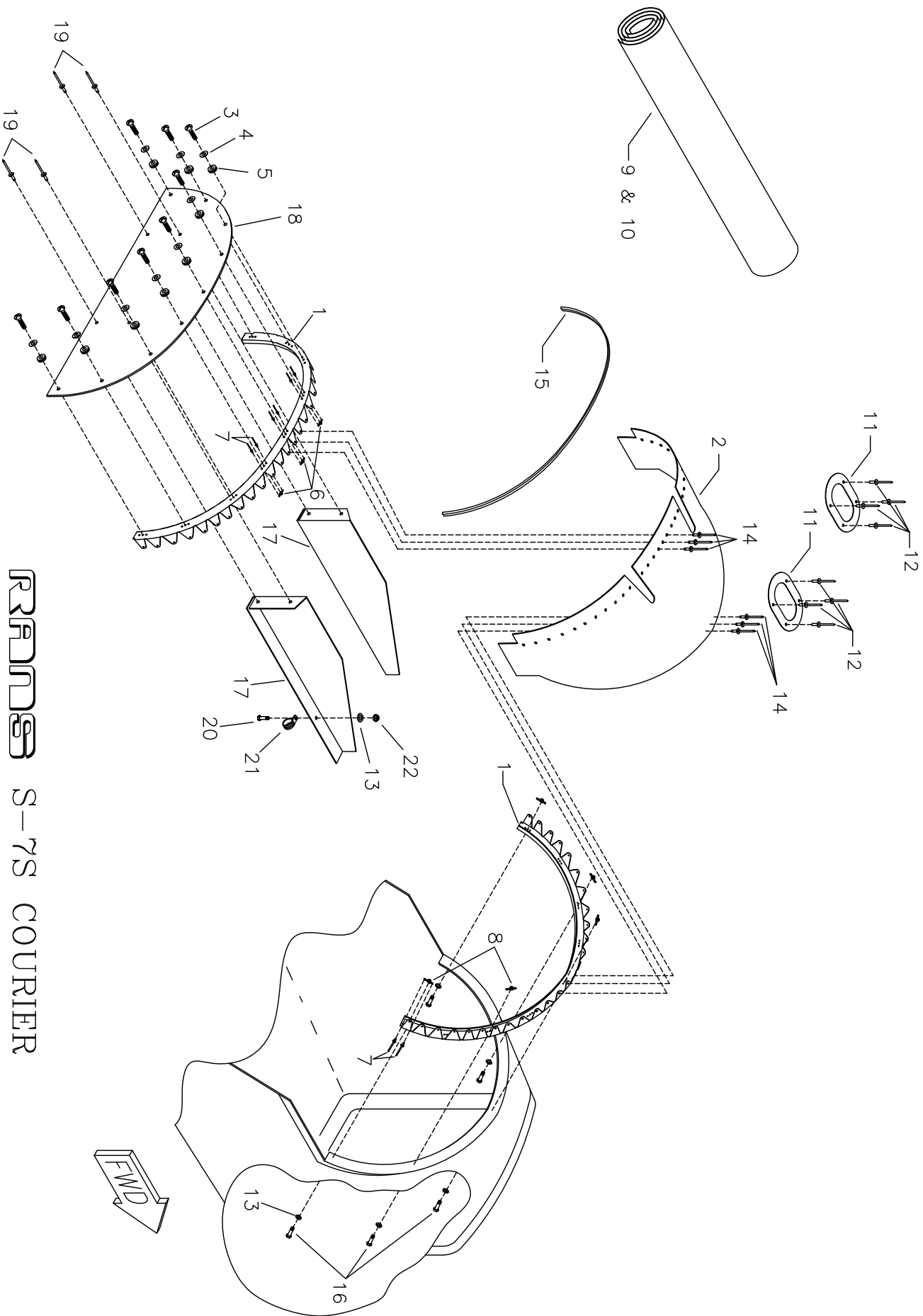
6/15/2011



RRR S-7S COURIER
BOOT COWL INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Rivet - Avex	1691-0410	45
2.	Boot Cowl - Carbon Fiber (optional)	KPCW0039-C	1
2.	Boot Cowl - Fiberglass	KPCW0039-F	1
3.	Nylon Washer	KSHW0068	3
4.	Hi-Temp Silicone *	-----	0
5.	3/16" Truss Head Screw	AN526-C1032-R12	3
6.	3/32" Aluminum Rivet	40APR1/8	6
7.	3/16" Bolt	AN3-3A	2
8.	3/16" Side by Side Nut Plate	MS21086-L3	3
9.	Boot Cowling Support Angle-AFT	KPCW0032	1
10.	1/4" Cushioned Clamp	MS21919-WDG4	1
11.	3/8" Cushioned Clamp	MS21919-WDG6	4
12.	Pan Head Phillips Bolt	KSHW0006	4
13.	3/16" Thin Washer	AN960-10L	9
14.	3/16" Shear Nut	AN364-1032A	5

*Builder Supplied

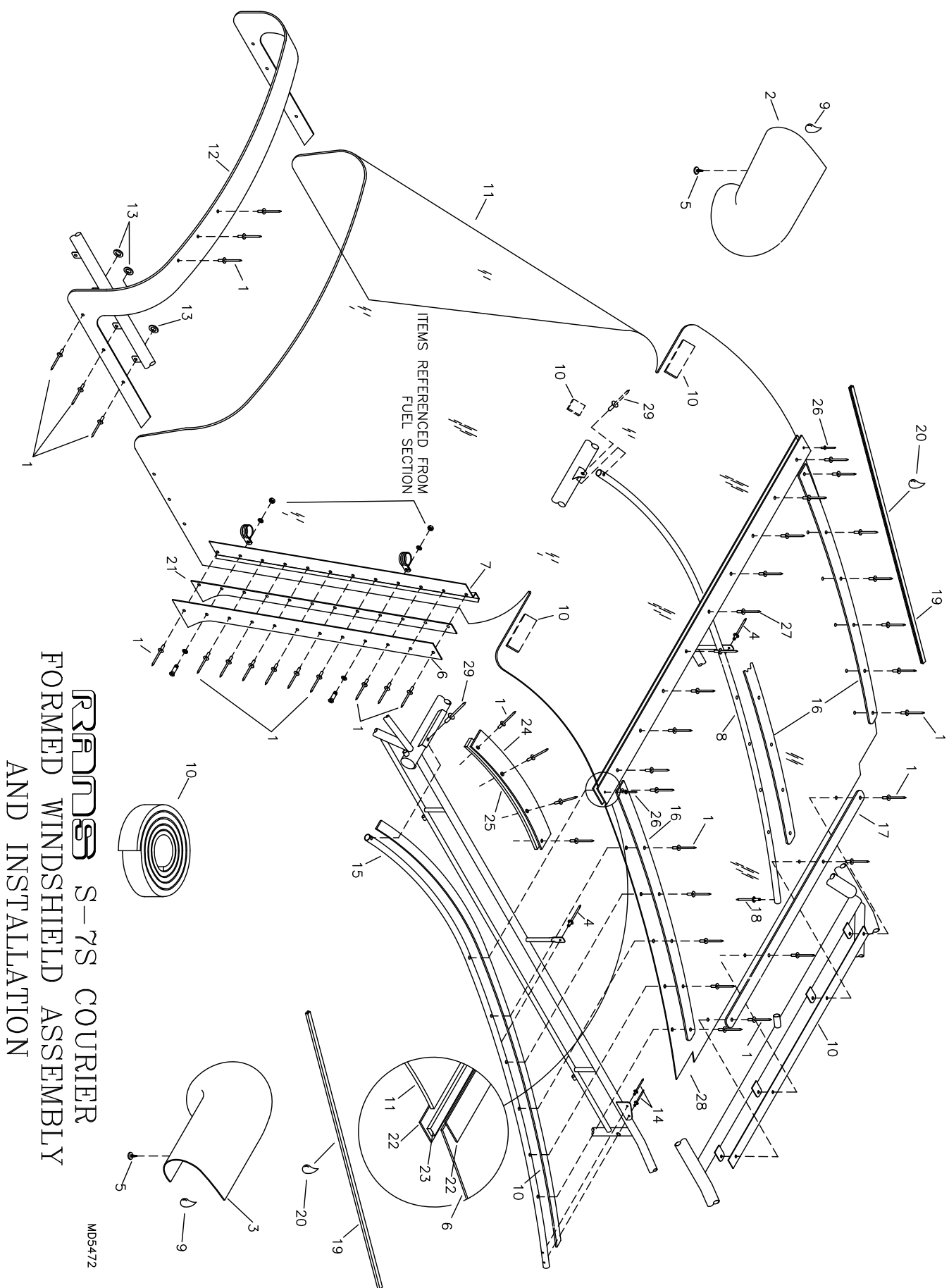


RED BULL S-7s COURIER
VERTICAL INSTRUMENT
PANEL INSTALLATION

MD5563



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Vertical Instrument Panel Frame	KPIP0136	2
2.	Dash - Vertical Instrument Panel	KPIP0137	1
3.	Screw	MS27039-0809	9
4.	Brass Washer	AN960-B8	9
5.	Grommet	KSAC0002	9
6.	8/32 Nut Plate	MS21047-08	9
7.	3/32" Aluminum Rivet	40APR1/4	28
8.	3/16" Nut Plate	K-1000-3	5
9.	Dash Cover - Fabric	KPIN0088	1
10.	Dash Cover - Foam	KPIN0089	1
11.	Instrument Panel Closeout	KPIP0107	2
12.	1/8" Aluminum Rivet - Cherry Q	AAPQ-42	8
13.	3/16" Thin Washer	AN960-10L	7
14.	1/8" Aluminum Rivet - Avex	1691-0410	62
15.	Trimlock Cushion Lip	4100C-1/16	4 ft
16.	3/16" Bolt	AN3-4A	5
17.	Radio Mount Plate - Double - RH	KPAV0003-R	1
17.	Radio Mount Plate - Double - LH	KPAV0003-L	1
18.	Vertical Panel - Blank	KPIP0139	1
19.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-42	4
20.	3/16" Bolt	AN3-3A	2
21.	1/2" Cushioned Clamp	MS21919-DG8	2
22.	3/16" Shear Nut	AN364-1032A	2

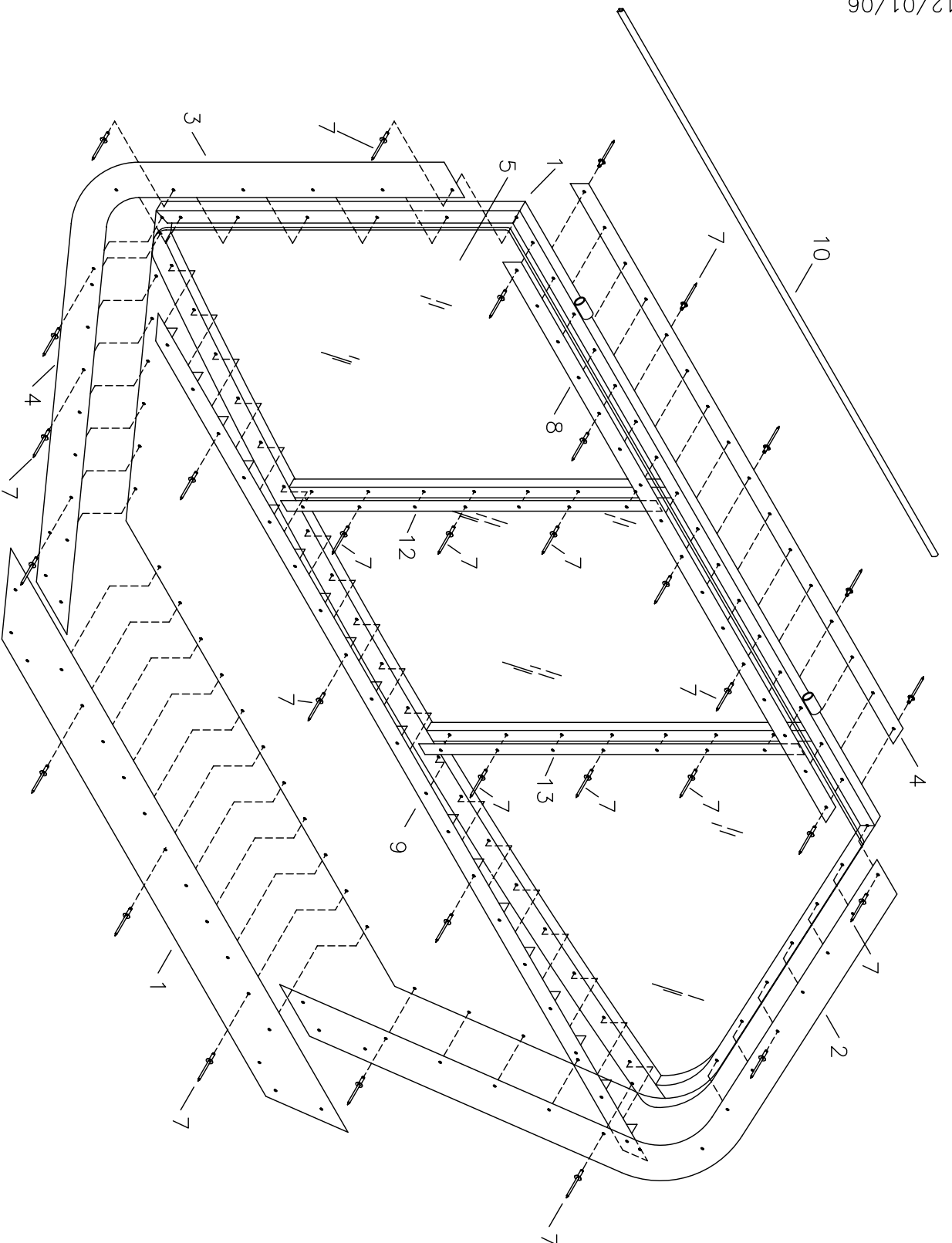


WINDSHIELD & SKYLIGHT

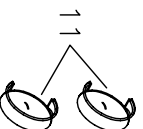
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Rivet - Avex	1691-0410	94
2.	Wing Cuff, RH	WS-CUFF-RH	1
3.	Wing Cuff, LH	WS-CUFF-LH	1
4.	3/16" Aluminum Rivet - Cherry Q	AAPQ-62	3
5.	#6 Pan Head Screw	6RX1/2 PHS	2
6.	Windshield Trim Strip	KPWS0050	2
7.	Z Strip - Windshield	KPWS0052	2
8.	Center Rib - Skylight	KPWS0027	1
9.	3M 2216 Adhesive *	-----	0
10.	1/2" Black Foam Tape	KSAC0021	18 ft
11.	Windshield	KSWS0001	1
12.	Front Trim Strip - Windshield	KPWS0029	1
13.	1/8" Small Brass Washer	AN960-B4	8
14.	1/8" Aluminum Rivet - Cherry Q	AAPQ-42	4
15.	Upper Rib - Wing	KPWI0364	2
16.	Skylight Trim Strip	KPWS0010	3
17.	AFT Trim Strip - Skylight	KPWS0009	1
18.	1/8" Stainless Steel Rivet - Cherry Q	CCPQ-42	1
19.	Rubber Edging	X1011	7 ft
20.	Adhesive - Superglue *	-----	0
21.	Trim Strip Spacer	KPWS0053	2
22.	Mating Strip	KPWS0051	2
23.	Mating Strip Spacer	KPWS0054	1
24.	FWD Hold Down Strip	KPWS0055	2
25.	Hold Down Strip Spacer	KPWS0056	2
26.	3/32" Aluminum Rivet	40APR1/4	2
27.	1/8" Aluminum Rivet - Cherry Q	AAPQ-44	9
28.	Skylight	KPWS0044	1
29.	1/8" Stainless Steel Rivet - Flush	CCC-42	3

*Builder Supplied

7/24/2013



REFINISH S-7S COURIER
DOOR ASSEMBLY, LEXAN AND TRIM



MD4213
REV. B

S-7S COURIER - DOOR ASSEMBLY, LEXAN AND TRIM

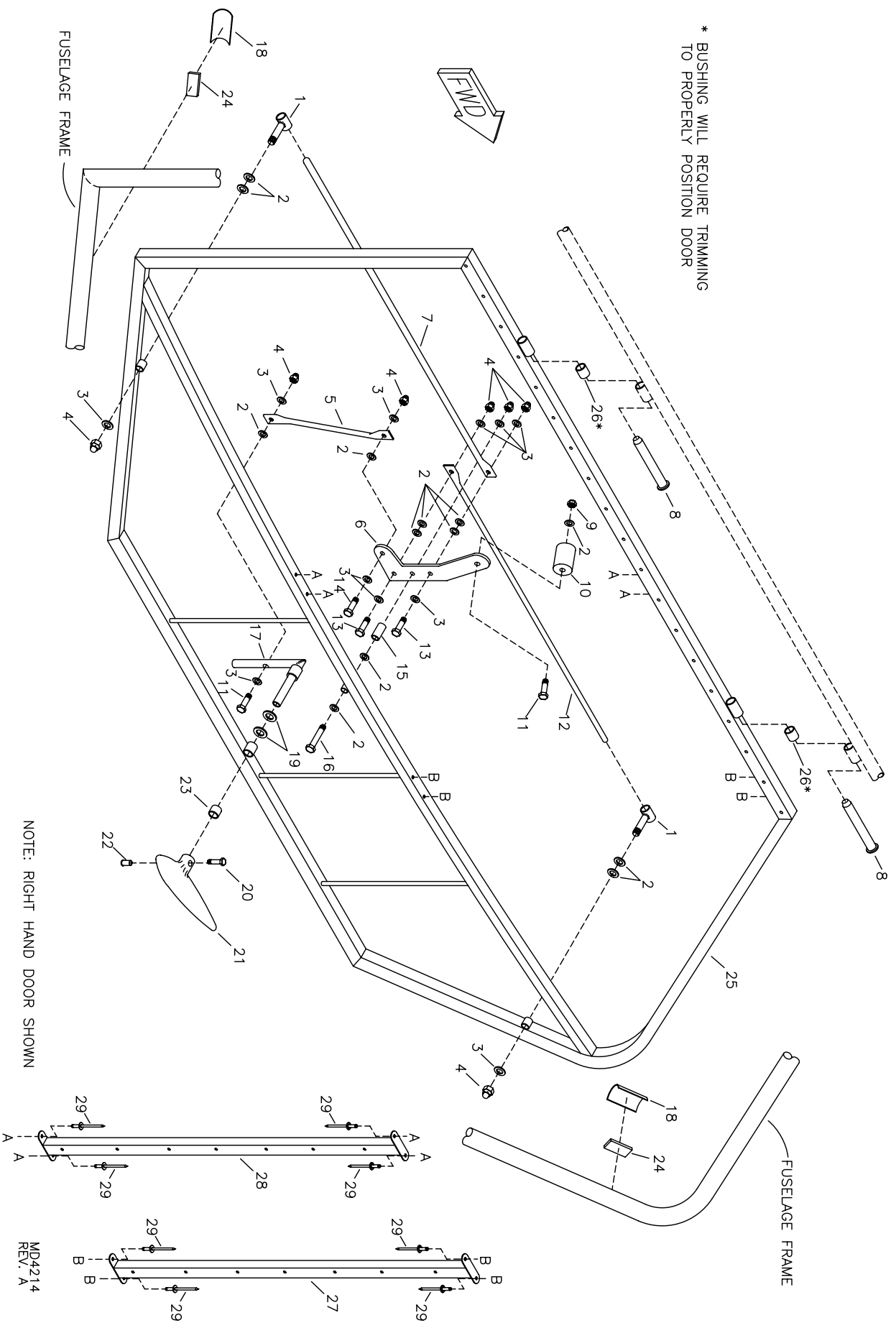
PAGE 006-06

LEXAN & TRIM

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Lower Trim Strip	KPDR0074	2
2.	FWD Trim Strip	KPDR0075	2
3.	AFT Trim Strip	KPDR0076	2
4.	Upper Trim Strip	KPDR0077	2
5.	Door Lexan	KPDR0078	2
6.	1/2" Black Foam Tape	KSAC0021	20 ft
7.	1/8" Aluminum Pop Rivet - Avex	1691-0410	228
8.	Window Upper Trim Strip - Door	KPDR0079	2
9.	Window Lower Trim Strip - Door	KPDR0080	2
10.	Rubber Edging	8510K11	8 ft
11.	Air Vent	AIR-VENT	4
12.	Support Rib Trim Strip - AFT	KPDR0081	2
13.	Support Rib Trim Strip - FWD	KPDR0082	2

12/1/2006

* BUSHING WILL REQUIRE TRIMMING
TO PROPERLY POSITION DOOR



RRRMS S-7S COURIER DOOR LATCH AND DOOR INSTALLATION

NOTE: RIGHT HAND DOOR SHOWN

MD4214
REV. A

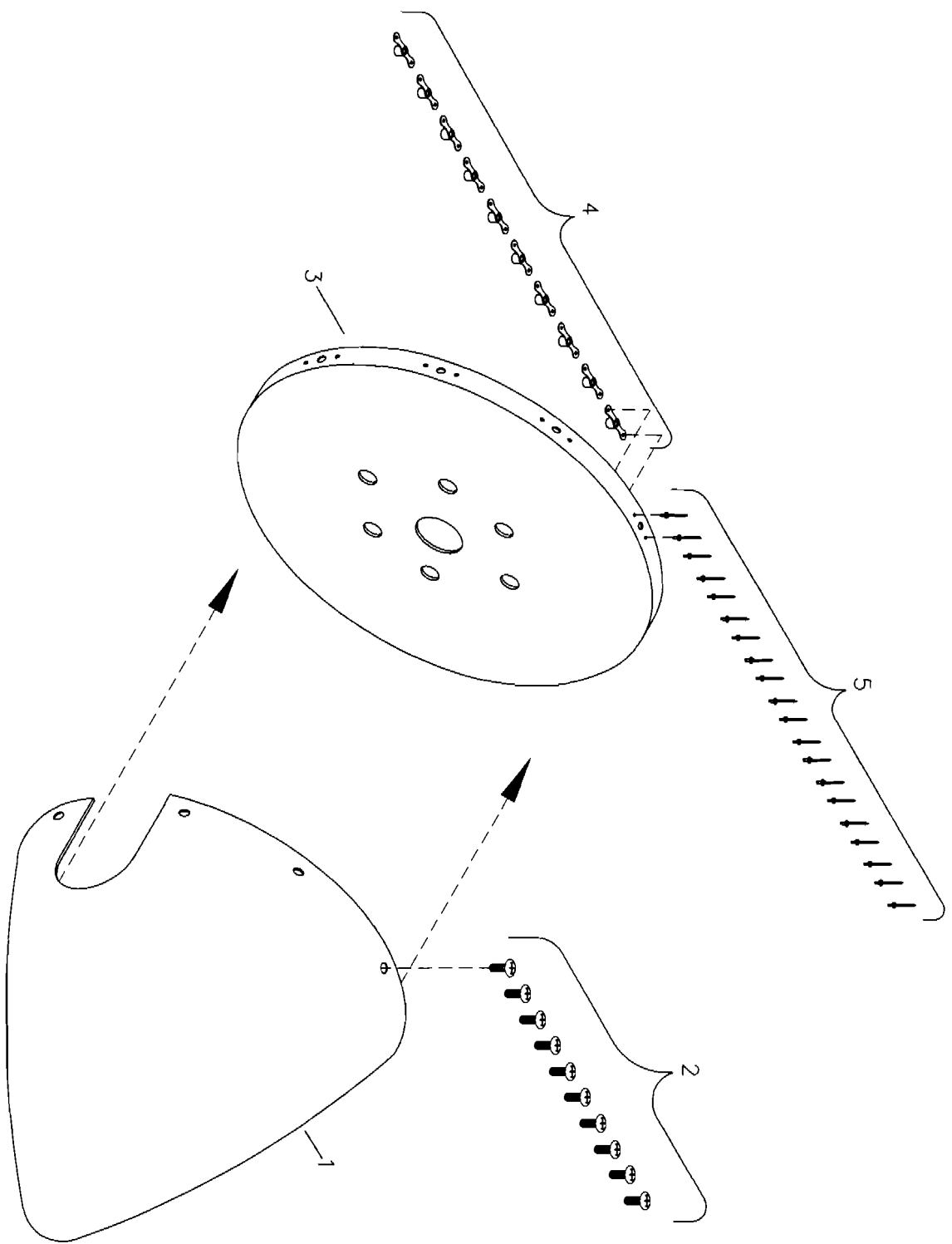
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Door Pivot Bushing	KPDR0057	4
2.	3/16" Thick Washer	AN960-10	26
3.	3/16" Thin Washer	AN960-10L	22
4.	3/16" Shear Acorn Nut	22NKM02	14
5.	Door Connect Rod	KPDR0061	2
6.	Door Handle - RH	KPDR0056-R	1
6.	Door Handle - LH	KPDR0056-L	1
7.	Door Latch Rod - AFT	KPDR0059	2
8.	Self-Locking 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 .095 x .56"	KAAC0042-9	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.	Door Handle	KPDR0026	2
22.	Brass Flange Nut	KSHW0025	2
23.	Aluminum Bushing, 1/2" x .058 x .33"	KAAC0042-10	0
24.	3/4" Acrylic Foam Tape **	4929	0
25.	Door Frame Assembly - LH	KADR0005-L	1
25.	Door Frame Assembly - RH	KADR0005-R	1
26.	Bushing, 3/8" X .058 X X*	KAAC0042-2	0
27.	Window Support Tube - FWD	KPDR0090	2
28.	Window Support Tube - AFT	KPDR0091	2
29.	1/8" Aluminum Rivet - Avex	1691-0410	16

*Builder fabricates from raw stock

** Builder Supplies

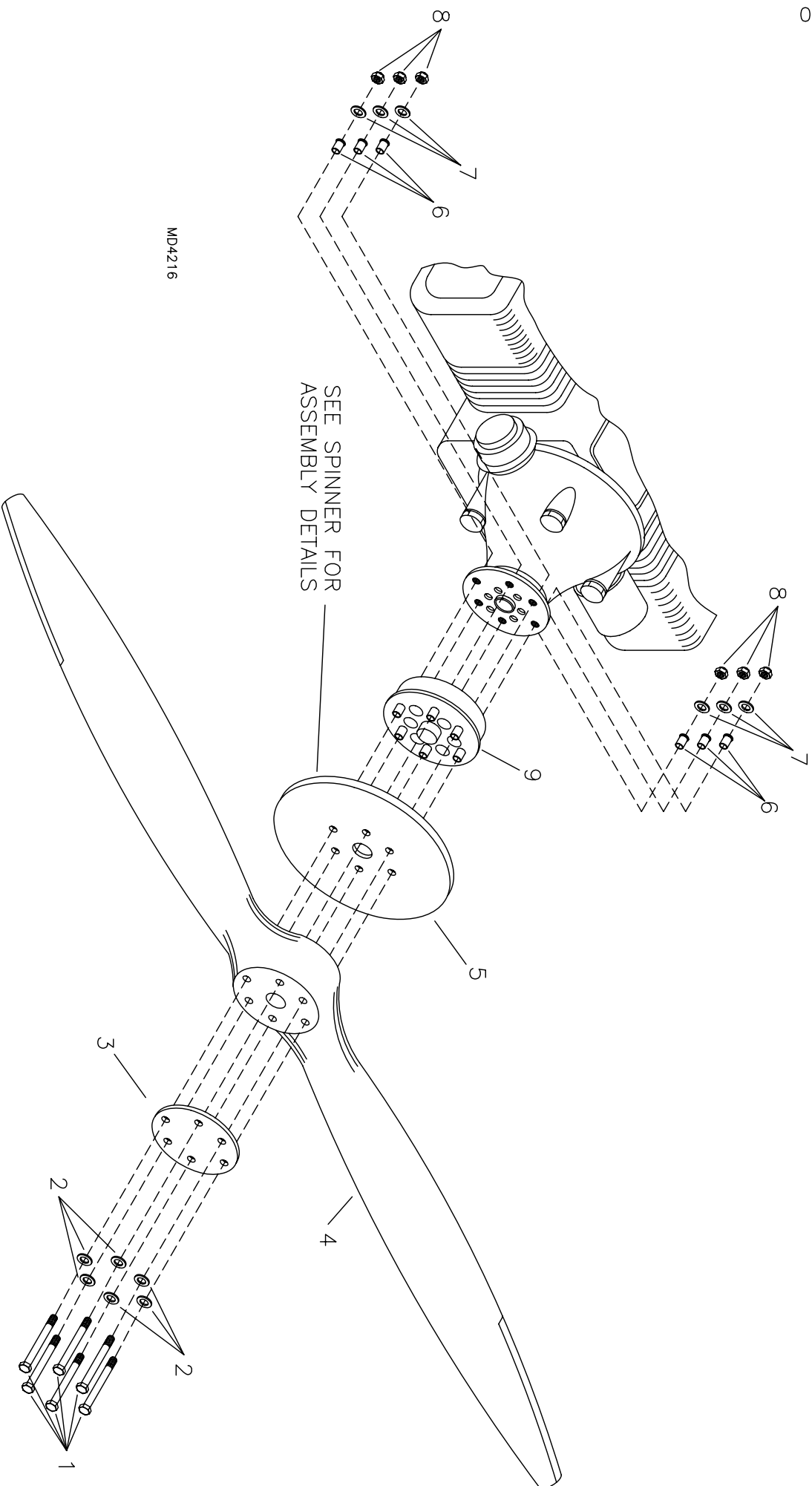
12/1/2006

REDUCED S-7S COURIER 13" SPINNER ASSEMBLY



MD4215
REV. A

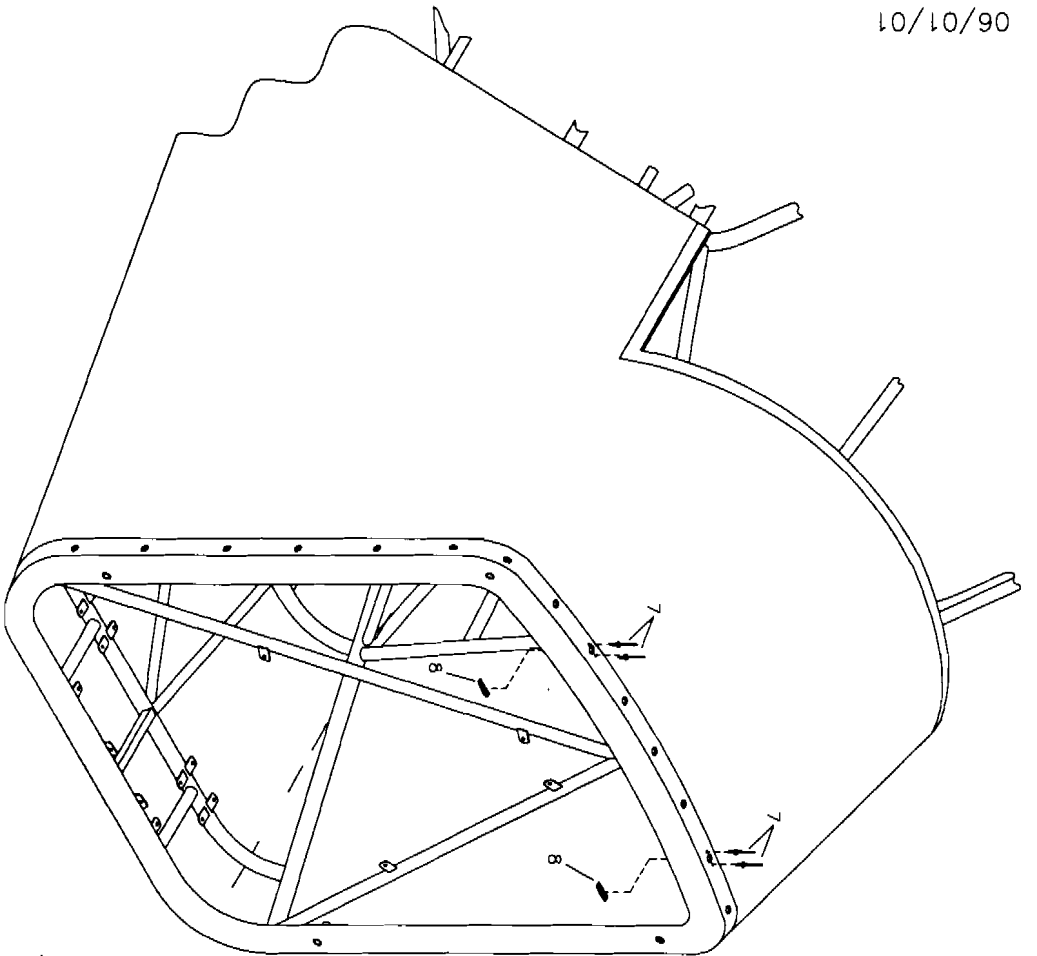
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Spinner Dome	KPPW0232	1
2.	Pan Head Phillips Bolt	KSHW0071	10
3.	Spinner Backing Plate, 912S	KPPW0253	1
4.	3/16" Nut Plate	K-1000-3	10
5.	3/32" Aluminum Pop Rivet	40APR1/4	20



RAMS S-7S COURIER
OPTIONAL SENSENICH WOOD PROPELLER INSTALLATION

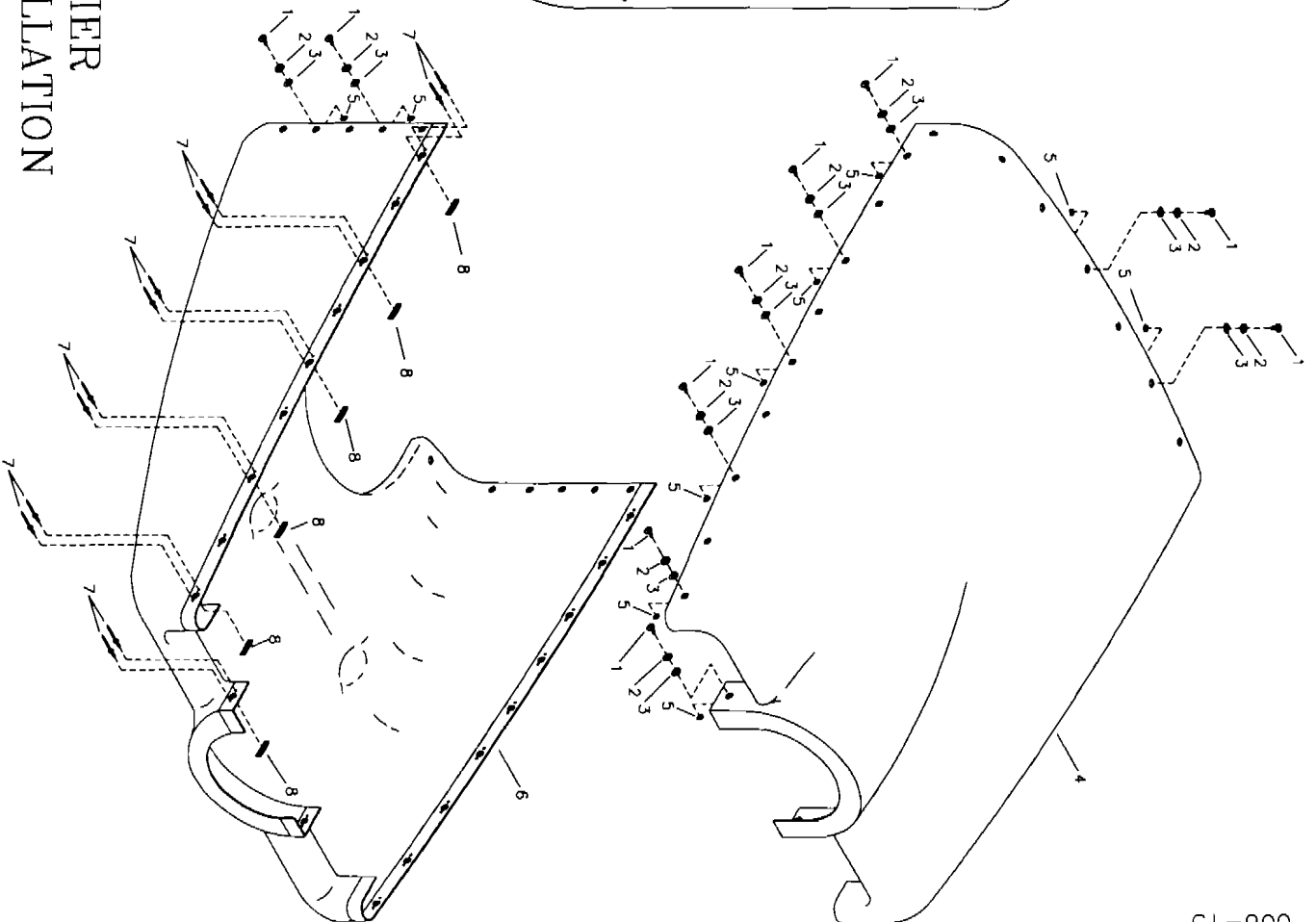
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	8 MM Bolt	M8X1.25X140	6
2.	5/16" Thick Washer	AN960-516	6
3.	Crush Plate	KPPW0183	1
4.	Sensenich Wooden Prop	KSPW0060	1
5.	Spinner Backing Plate - 13"*	KPPW0253	0
6.	Flange Bushing-912	KPPW0038	6
7.	5/16" Thin Washer	AN960-516L	6
8.	8 MM Nut	M8X1.25 NUT	6
9.	1" Prop Extension Assembly-912	KAPW0024	1

*Referenced from Spinner Assembly.



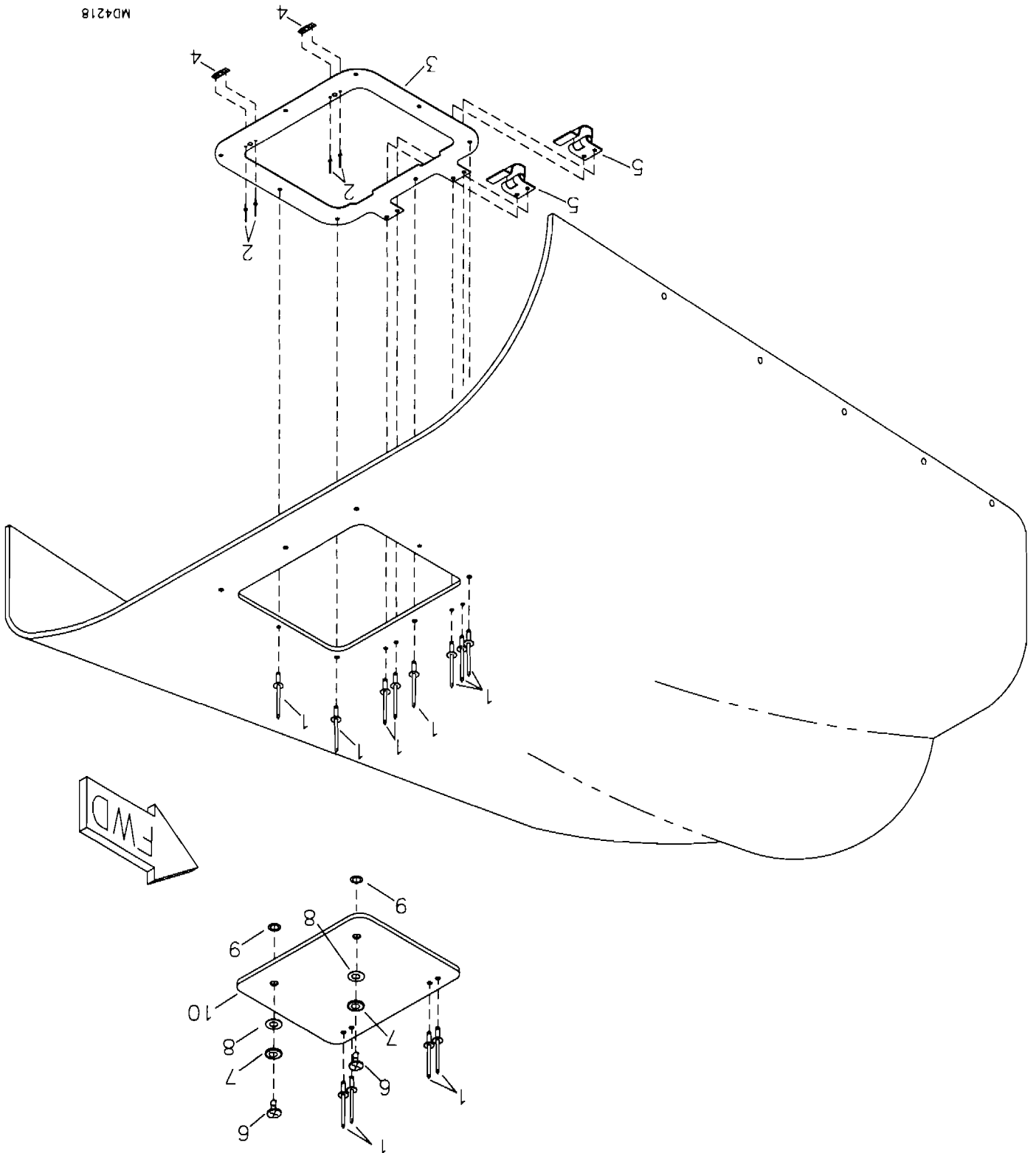
MD4217

REFUGEE S-7S COURIER COWLING ASSEMBLY AND INSTALLATION



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4 Turn Stud	#180	35
1.	1/4 Turn Stud	#200	4
1.	1/4 Turn Stud	#240	4
2.	Rubber Washer	#201	43
3.	Wear Washer Nylon	#103	43
4.	Upper Cowling	KPCW0034	1
5.	Snap Ring	#101	43
6.	Lower Cowling	KPCW0035	1
7.	3/32" Aluminum Pop Rivet	40APR1/4	86
8.	1/4 Turn Receptacle	#302	43

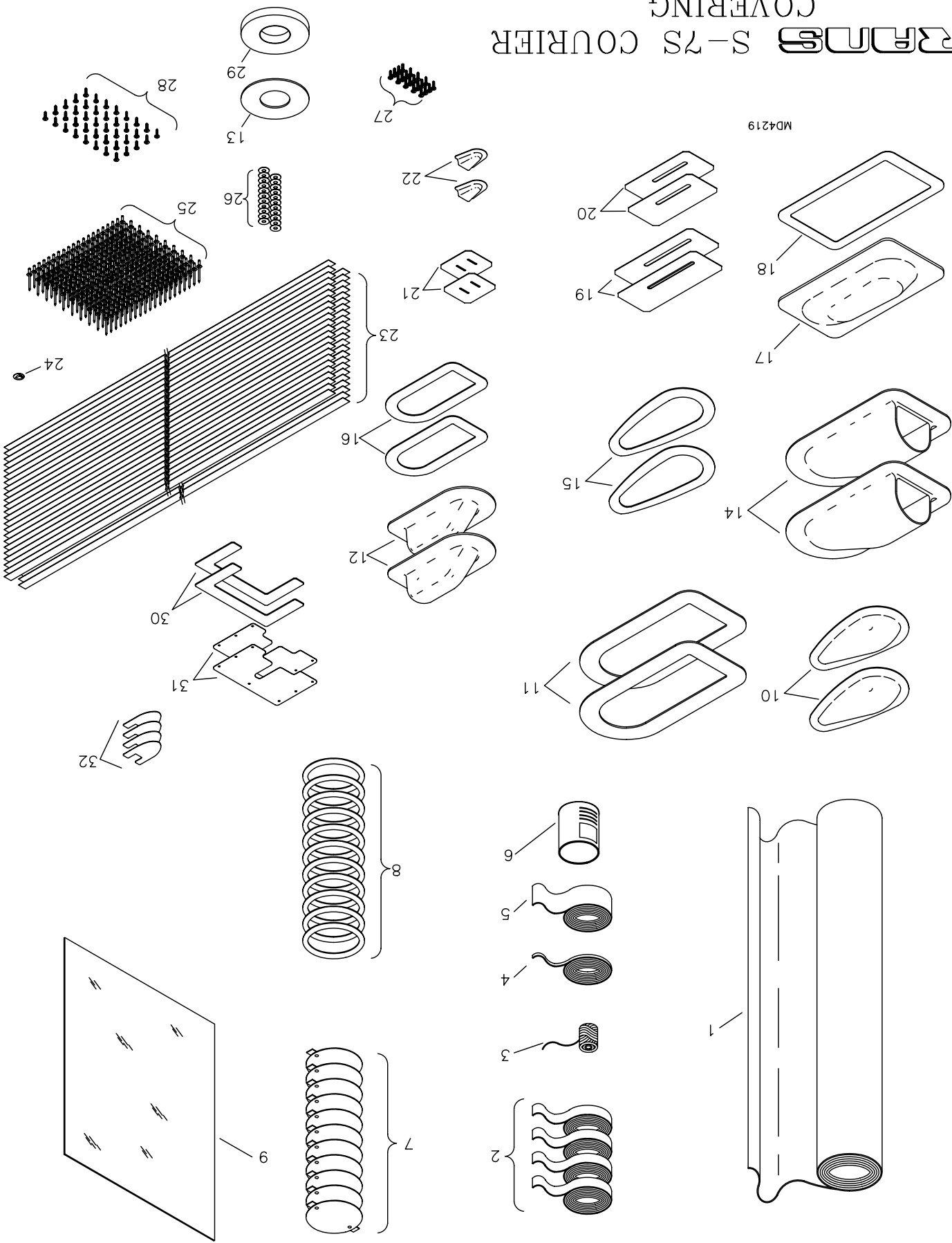
RRMS S-7S COURIER OIL CHECK DOOR INSTALLATION



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Pop Rivet - Avex	1691-0410	18
2.	3/32" Aluminum Pop Rivet	40APR1/4	4
3.	Reinforcement Ring - Maintenance Hatch	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.	Maintenance Hatch	KPCW0036	1

RRMS S-7S COURIER COVERING

MD4219

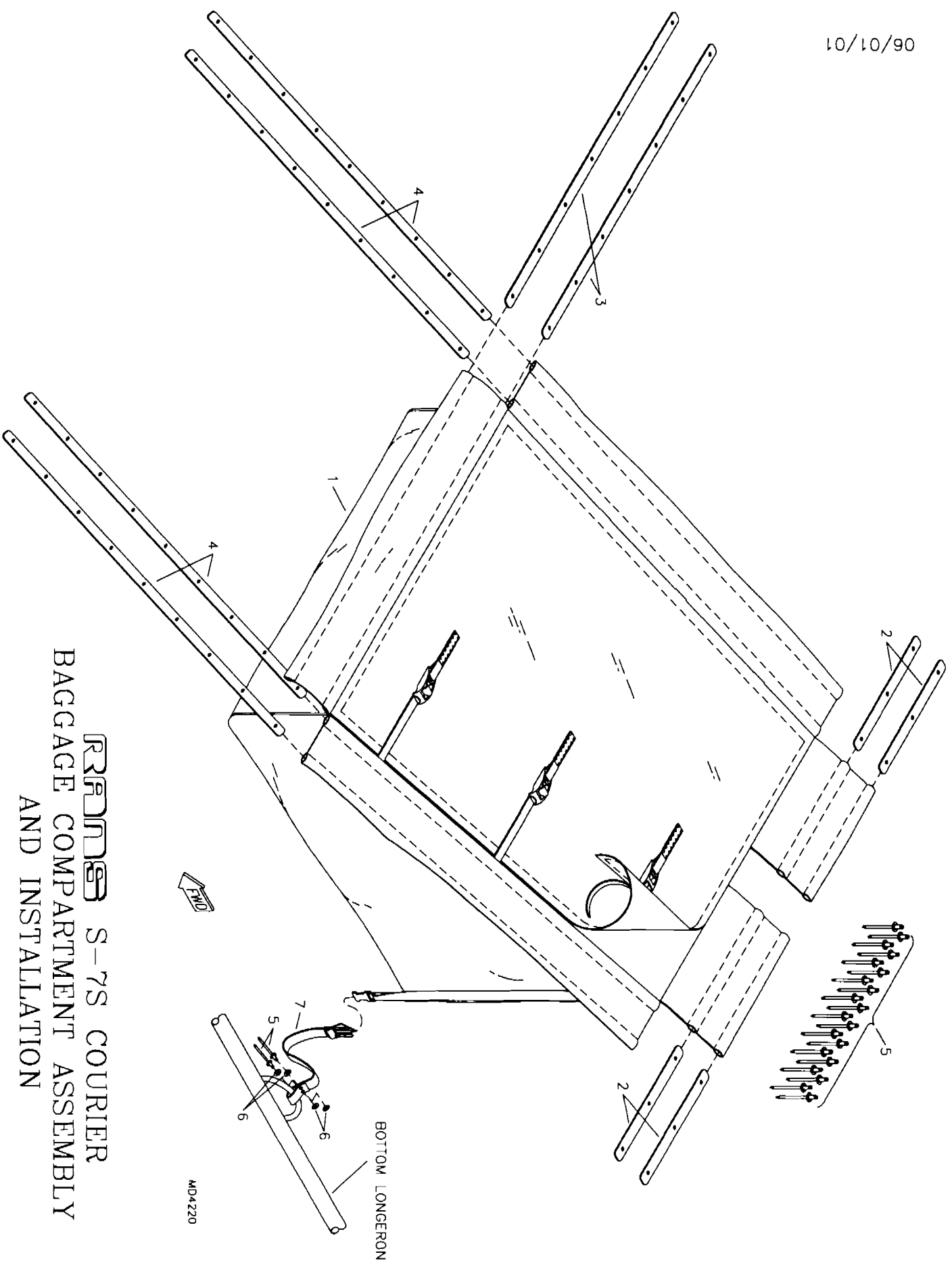


#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Aircraft Fabric	CV-S7	39 yds
2.	2" Surface Tape	2 TAPE	4 rls
3.	Rib Lacing	RIB LACING	5 ft
4.	1/4" Rib Tape	RIB TAPE	4 ft
5.	4" Surface Tape	4 TAPE	40 ft
6.	U-500 Urethane Adhesive - SuperFlite	KSCV0001	1 gal
7.	Inspection Plate	CV-IP	17
8.	Inspection Ring	CV-IR	19
9.	.020 Lexan, 6" x 6" *	KAAC0042-5	0
10.	Flap Teleflex exit	KPWI0226	2
11.	Aileron Push Pull Tube Exit Ring	KPWI0348	2
12.	Elevator Yoke Exit	KPCV0028	2
13.	Lexan Ring, 2"	KPCV0038	1
14.	Aileron Push Pull Tube Exit	KPWI0349	2
15.	Flap Teleflex Exit Ring	KPCV0010	2
16.	Elevator Yoke Exit Ring	KPCV0029	2
17.	Trim Exit Cover	KPCV0026	1
18.	Trim Exit Ring	KPCV0027	1
19.	Trailing Edge Strut Attach Plate Exit	KPCV0034	2
20.	Leading Edge Strut Attach Plate Exit	KPCV0035	2
21.	Jury Strut Bracket Exit	KPCV0036	2
22.	Rudder Cable Exit	CV-RX	2
23.	Cover Strap	KPCV0012	47
24.	Seaplane Grommet	AN231-4	1
25.	1/8" Aluminum Rivet - Avex	1691-0410	722
26.	Drain Grommet	KSCV0003	16
27.	#6 Pan Head Screw	6RX1/2 PHS	30
28.	#4 Small Pan Head Screw	4X1/4 PHS	70
29.	2 Way Tape	2W-TAPE	1 rl
30.	Exit Ring - Aileron Hinge - Aileron **	KPCV0058	2
31.	Exit Cover - Aileron Hinge - Aileron **	KPCV0059	1
32.	Exit Ring - Aileron Hinge - Wing **	KPCV0060	1

*Supplied in Raw Stock Kit

** Builder modifies

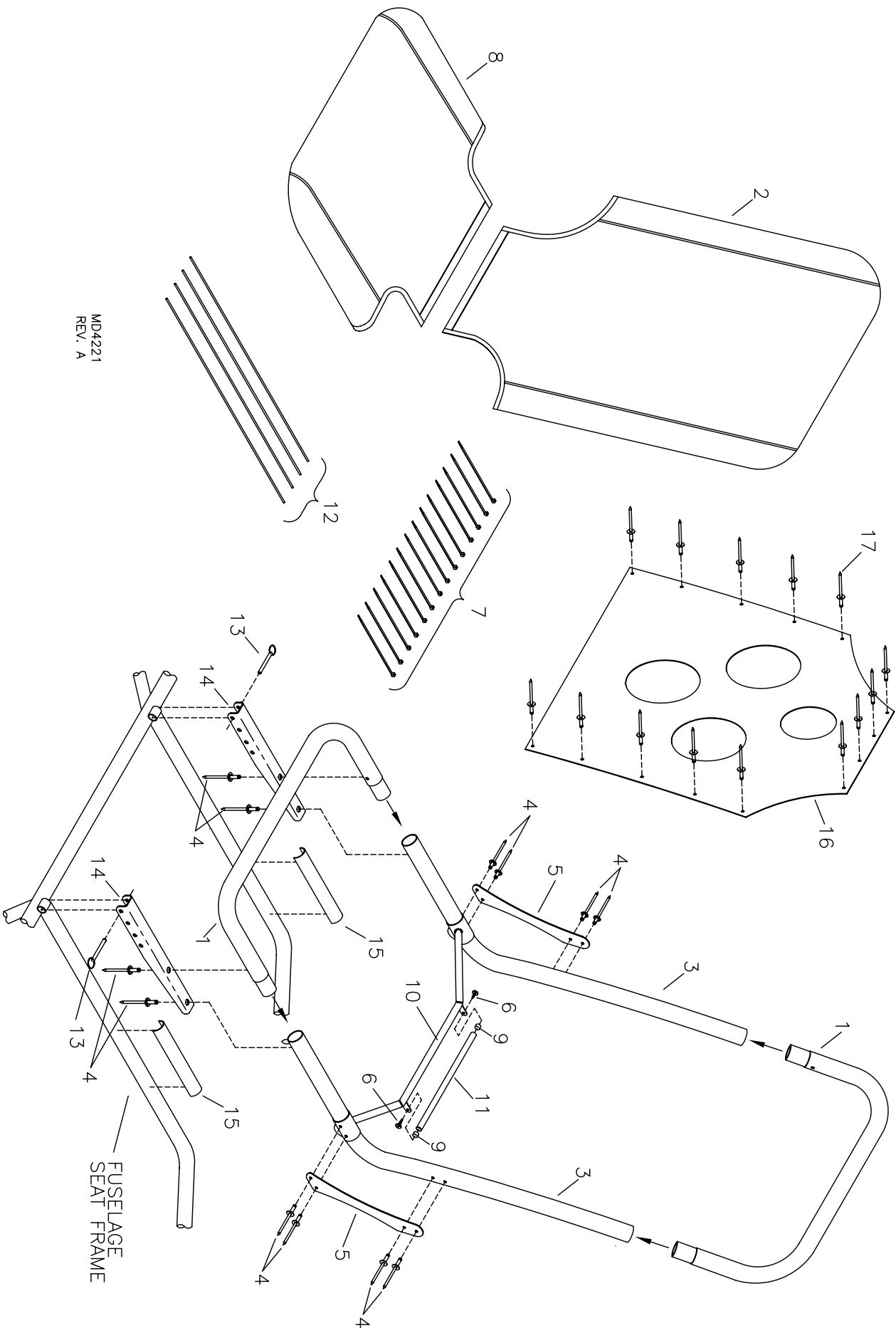
6/15/2011



**REFORM S-7S COURIER
BAGGAGE COMPARTMENT ASSEMBLY
AND INSTALLATION**

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Baggage Compartment	KAIN0028	1
2.	AFT Plate - Baggage Compartment	KPIN0055	4
3.	FWD Plate - Baggage Compartment	KPIN0056	2
4.	Side Plate - Baggage Compartment	KPIN0057	4
5.	1/8" Aluminum Pop Rivet - Avex	1691-0410	44
6.	1/8" Small Brass Washer	AN960-B4	16
7.	Strap - Baggage Compartment *	KSIN0001	1

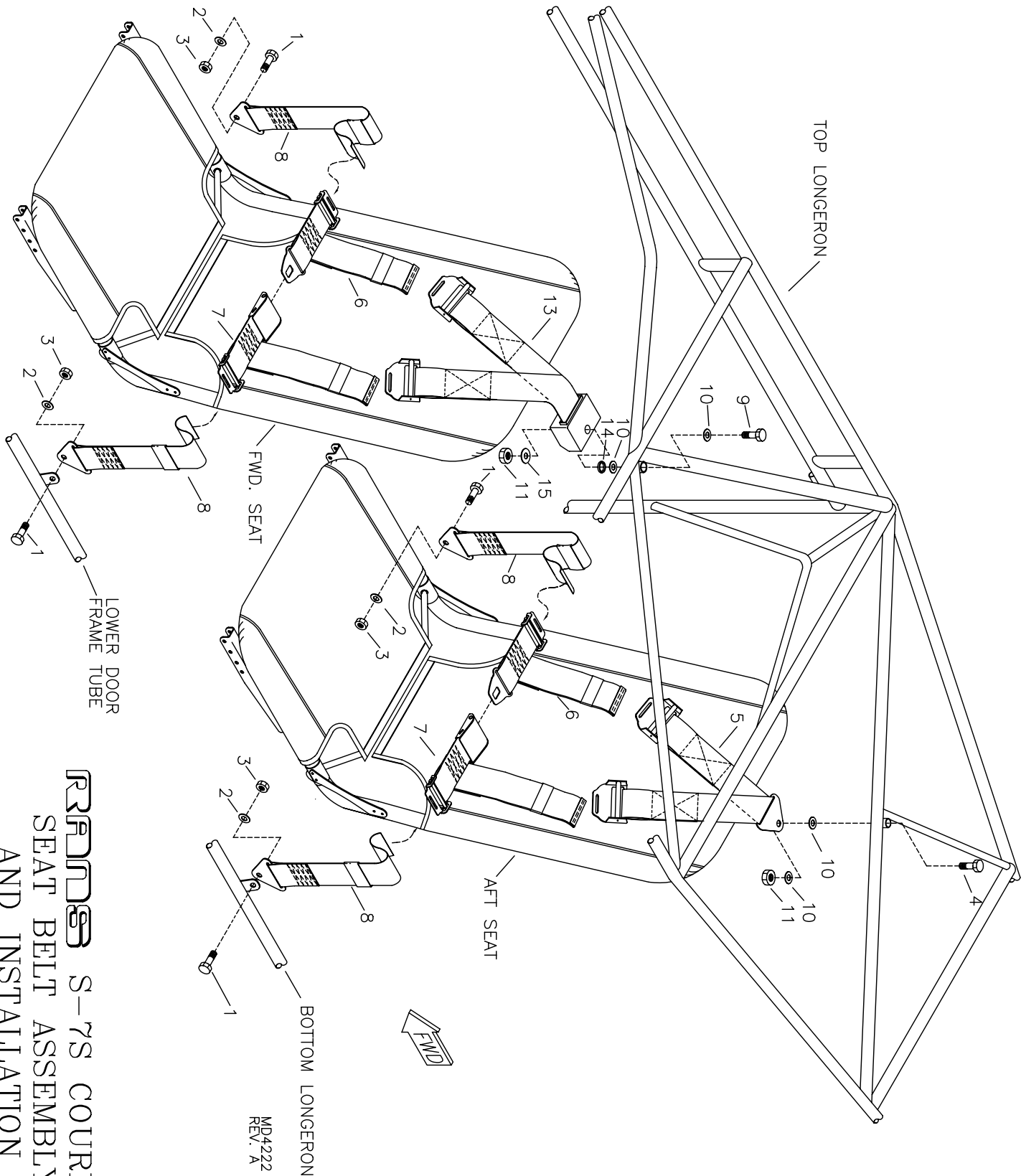
* Builder must cut to length



MD4221
REV. A

RRR S-7S COURIER SEAT ASSEMBLY AND INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Seat End Tube	ST-TOP	4
2.	Back Cushion Assembly - Seat	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 - 6 x 1/2	6RX1/2 PHS	4
7.	Plastic Tie-15"	LG-N-TIE	30
8.	Bottom Cushion Seat Assembly	KPST0007	2
9.	End Plug	KPST0009	4
10.	Seat Tensioning Bracket Assembly	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
16.	Seat Back Plate	KPST0107	2
17.	1/8" Aluminum Rivet - Avex	1691-0410	28

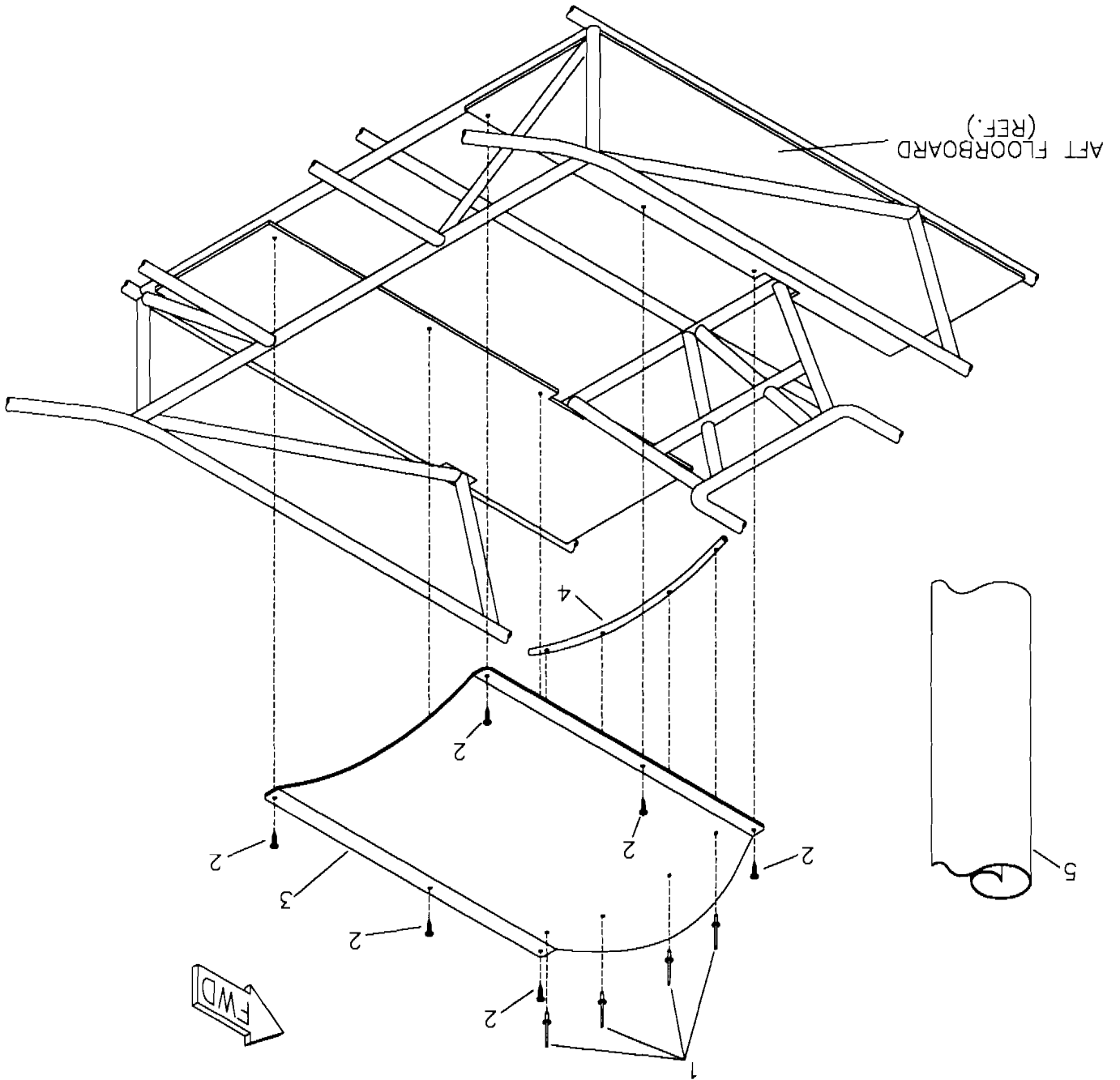


#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/4" Bolt	AN4-5A	4
2.	1/4" Thick Washer	AN960-416	4
3.	1/4" Shear Nut	AN364-428A	4
4.	5/16" Bolt	AN5-12A	1
5.	Upper Shoulder Belt*	KAST0005	0
6.	Lower Shoulder Belt - Buckle Side*	KAST0007	0
7.	Lower Shoulder Belt - Clip Side*	KAST0006	0
8.	Lap Belt*	KAST0004	0
9.	5/16" Bolt	AN5-13A	1
10.	5/16" Thick Washer	AN960-516	4
11.	5/16" Tensile Nut	AN365-524A	2
12.	Seat Belt Kit (Includes item 5-8)	KAST0008	1
13.	Inertia Reel Harness	KAST0031	1
14.	Spacer Bushing	KPAC0215	1
15.	3/16" Large Washer	AN970-3	1

*Supplied in Seat Belt Kit

RRMS S-7S COURIER RUDDER CABLE GUARD INSTALLATION

MD4223
REV. A



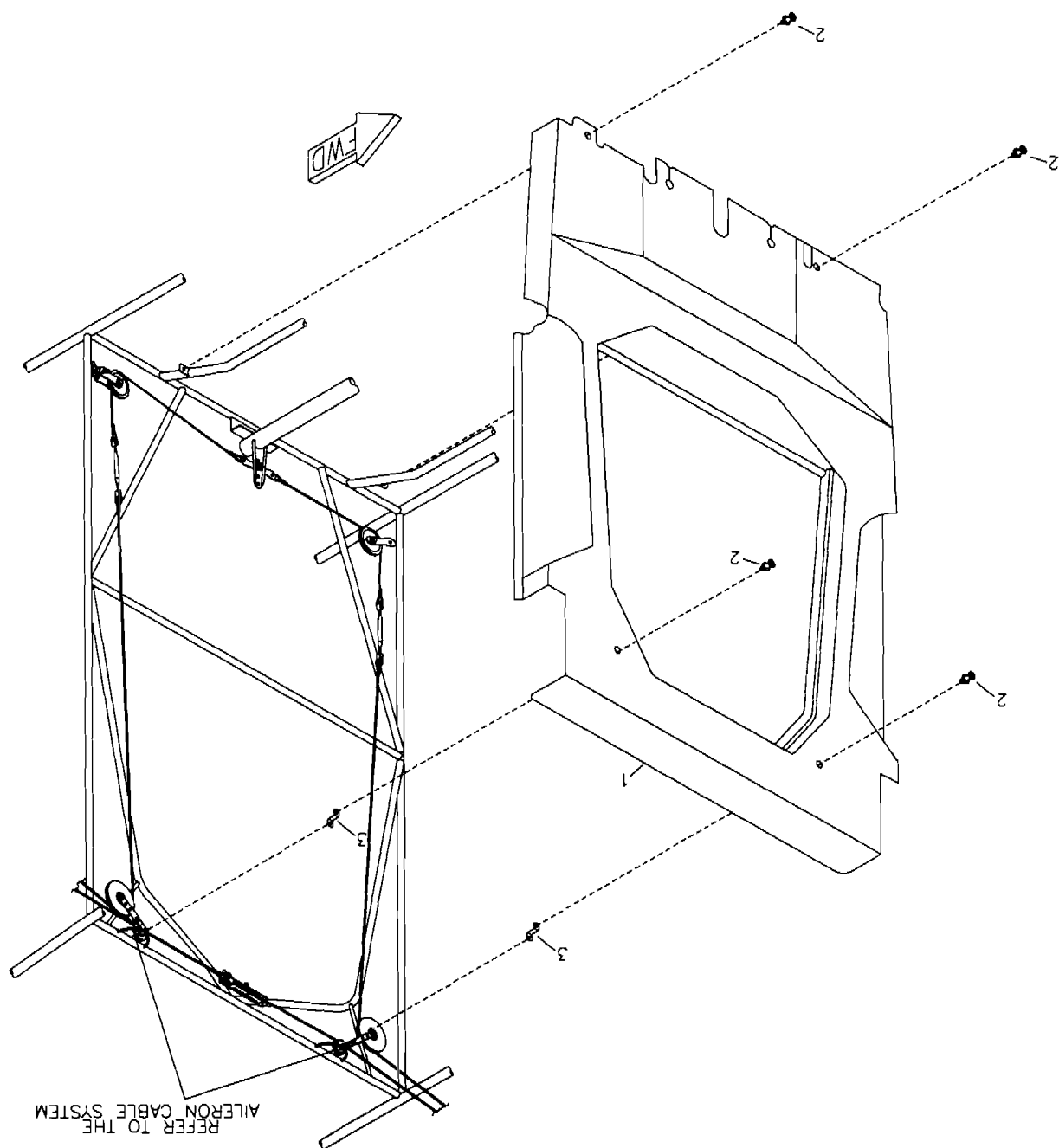
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	1/8" Aluminum Pop Rivet - Cherry Q	AAPQ-41	4
2.	#8 Pan Head Screw - 8 x 1/2	8X1/2 PHS	6
3.	Rudder Cable Guard	KPIN0035	1
4.	Support Tube - Rudder Cable Guard	KPIN0036	1
5.	Fabric - Rudder Cable Guard *	KPIN0058	1

*Packed with control stick cover.

9/29/2005

RRMS S-7S COURIER STATION 3 CLOSE OUT INSTALLATION

MD4224



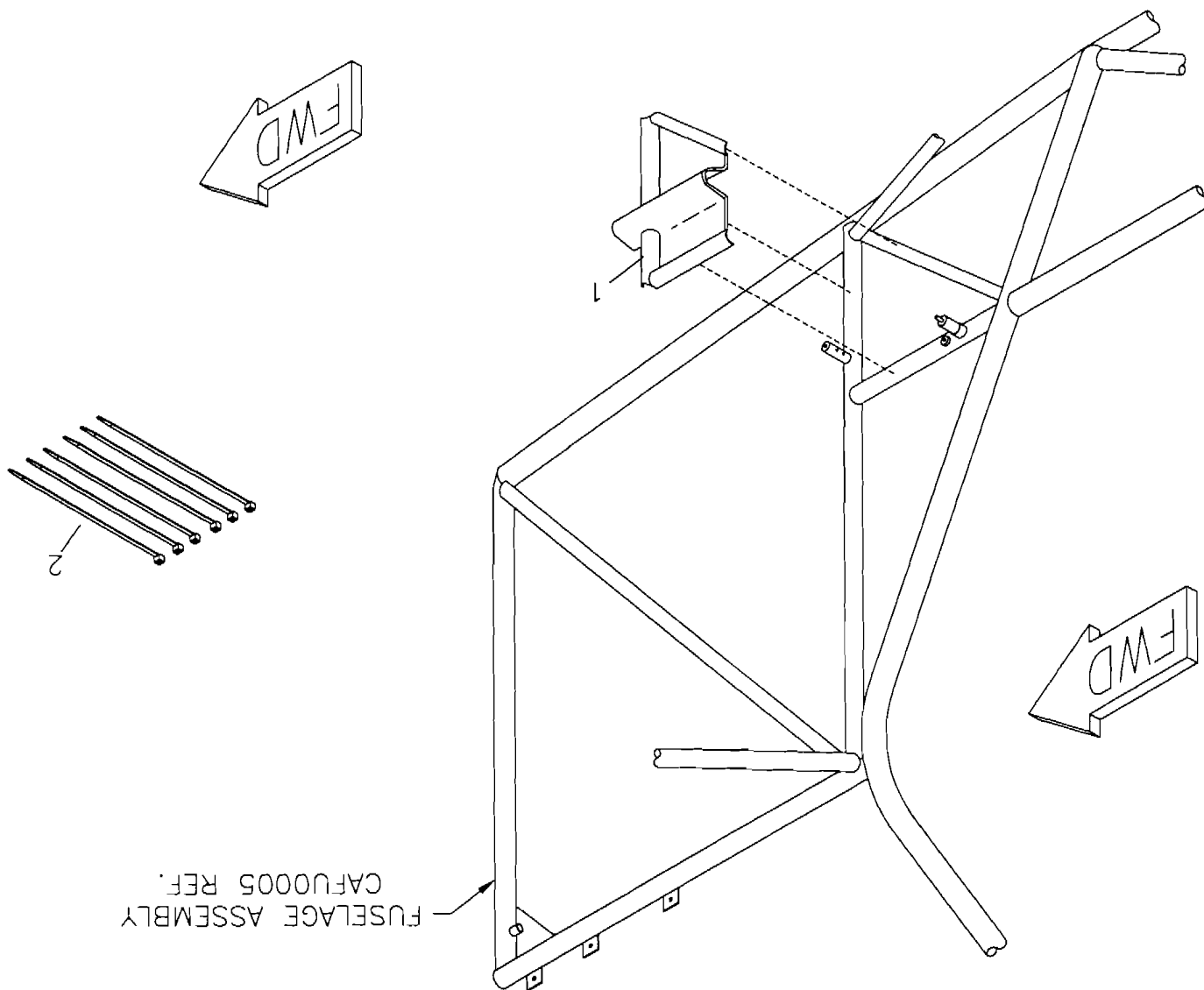
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Station 3 Close Out	KPIN0037	1
2.	Screw Rivet	M60-0580-01	4
3.	Attach Bracket*	KPAC0132	0

*Referenced from Aileron Cable System

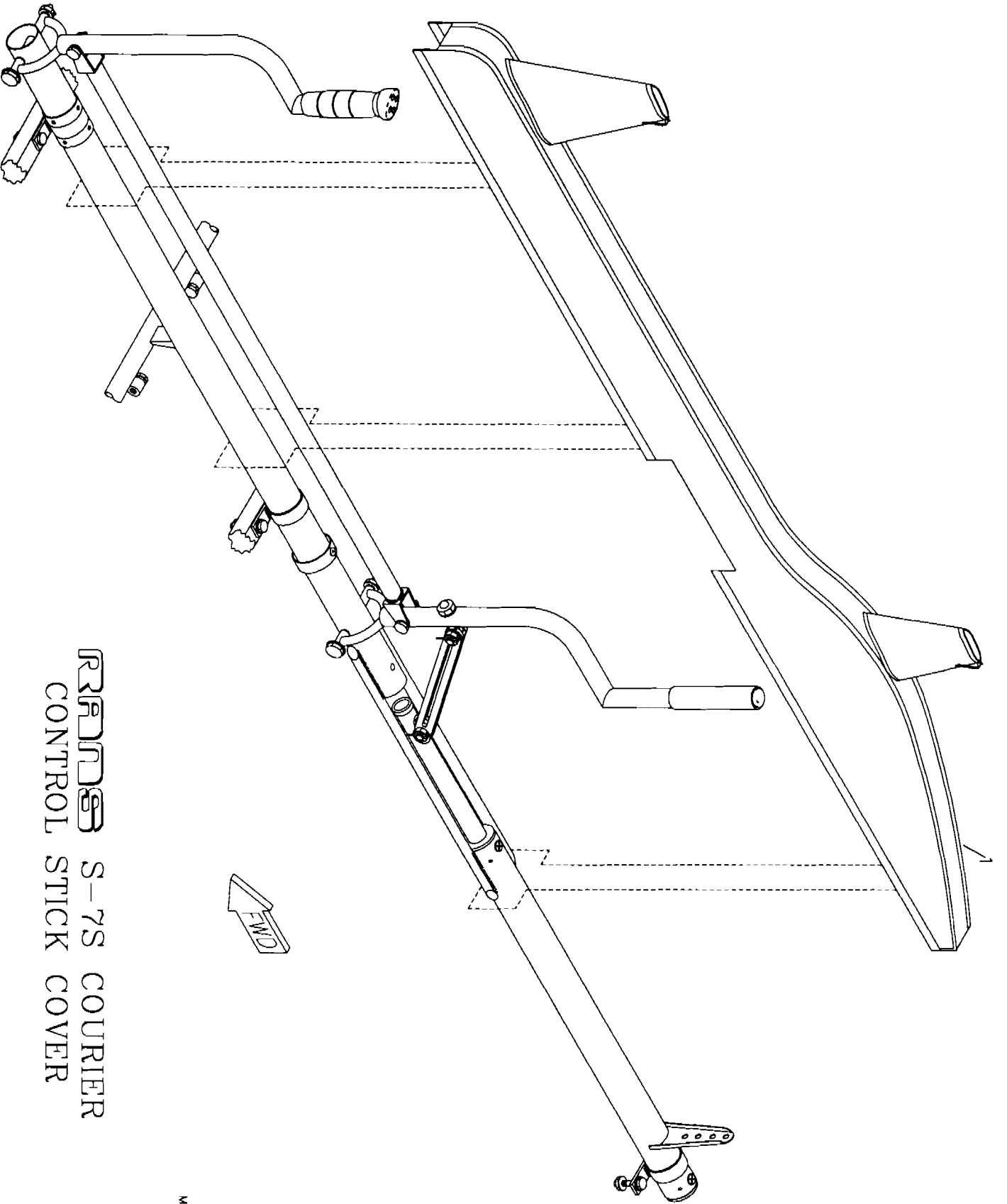
6/1/2001

RMS S-7S COURIER THROTTLE CABLE COVER INSTALLATION

MD4225



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Throttle Cable Cover	KPIN0044	1
2.	Plastic Tie-4"	MS3367-4-9	6



PRINCE S-7S COURIER
CONTROL STICK COVER

MD4226

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

SL-S SUBURY

EXPERIMENTAL

9

WARNING

WARNING
SOLO FLIGHT FROM
FRONT SEAT ONLY
Do Not Fly Pilot in Command or Give Flight Instruction
From Rear Seat Unless Equipped With Rear Seat
Airspeed Indicator.

IMPORTANT
Vehicle Owner
If you are not the original owner
of this vehicle, write to:
SERVICE BULLETIN INFORMATION*
4600 HIGHWAY 183 ALTERNATE
HAYS, KANSAS 67601

FUEL TANK CAPACITY
9.0 GALLONS US (34.6 LITERS)
APPROVED FUEL
AUTOMOBILE GASOLINE PREMIUM GRADE GASOLINE
LEADED TO DIN 51600, OROFINO C1100
EQUIVALENT
AVIATION GASOLINE 100LL GRADE AVIATION FUEL (BLU)
WARNING: SEE MAINTENANCE MANUAL FOR SPECIFIC

CAUTION
Monitor your fuel and oil level to ensure adequate reserve for a safe landing.

CAUTION

THOROUGH PREFLIGHT INSPECTION REQUIRED
USE GUIDELINES SUPPLIED IN THE PREFLIGHT
SECTION OF YOUR MANUAL AND YOUR OWN GOOD
JUDGMENT. FLY AT YOUR OWN RISK.

000000000000

ONE DOOR OPEN IN FLIGHT ONLY, OPEN AT OR BELOW 60 MPH, DO NOT EXCEED 100 MPH.

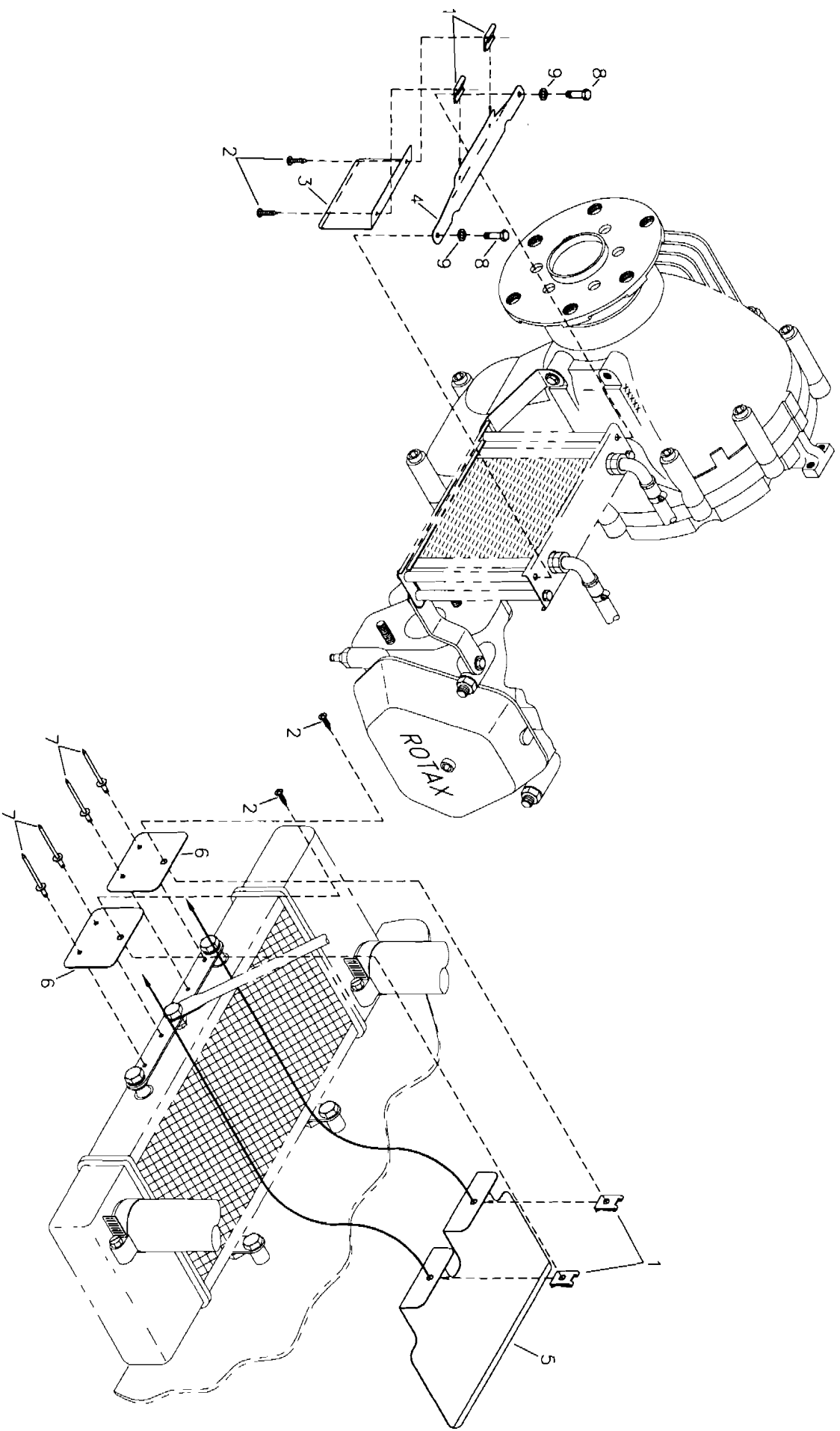
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BAGGAGE 50 lb. MAXIMUM

ELT MUSIC IN EWING.COM

PAKING
BRAKE
PULL SET

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Placards	KPPL0006	1
2.	Warning Label	KPPL0001	1
3.	Range Decals	RANGE DECAL	1
4.	Fuel Sight Gauge Decal - LH	KPPL0024-L	1
4.	Fuel Sight Gauge Decal - RH	KPPL0024-R	1
5.	Experimental Decal	KPPL0007	1
6.	Passenger Warning Decal	KPPL0008	1



ROTAX S-7S COURIER
OPTIONS - WINTERIZATION KIT

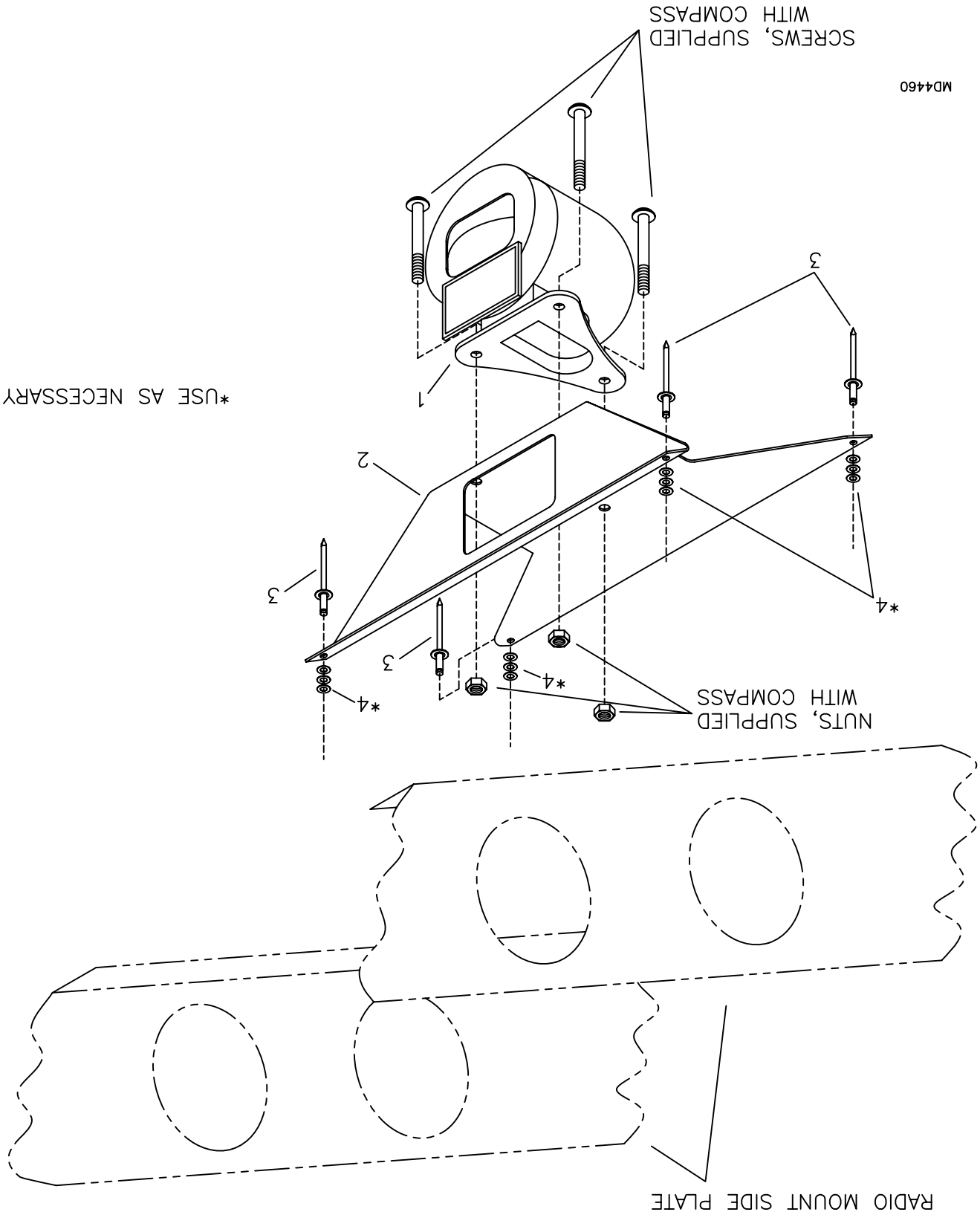
MD4430

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Tinnerman	A1789-8Z-1	4
2.	#8 Pan Head ScreW	8X1/2 PHS	4
3.	Oil Cooler Cover	KPSY0058	1
4.	Oil Cooler Cover - Mount Plate	KPSY0059	1
5.	Radiator Cover	KPSY0060	1
6.	Radiator Cover - Mount Plate	KPSY0061	2
7.	1/8" Aluminum Pop Rivet	AAPQ-43	4
8.	3/16" Bolt*	AN3-4A	0
9.	3/16" Thin Washer*	AN960-10L	0

*Supplied with oil cooler

RMS S-7S COURIER OPTIONAL COMPASS MOUNT INSTALLATION

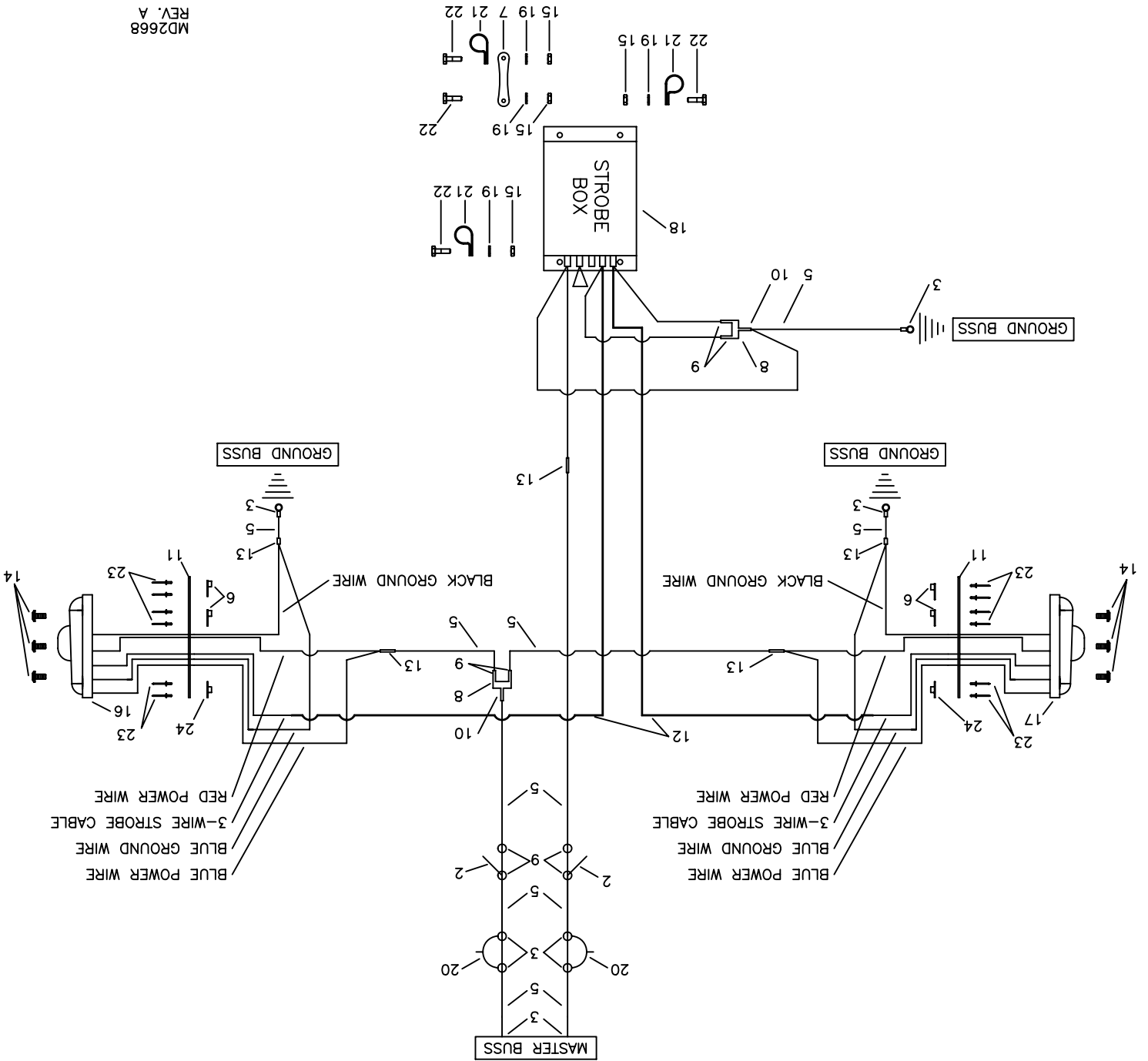
MD4460



#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Compass	KSAV0011	1
2.	Compass Mount	KPIP0028	1
3.	3/16" Aluminum Pop Rivet - Cherry Q	AAPQ-62	4
4.	3/16" Thin Washer	AN960-10L	16

OPTIONAL WHELEN STROBE INSTALLATION

RRMS S-7S COURIER



MD2668
REV. A

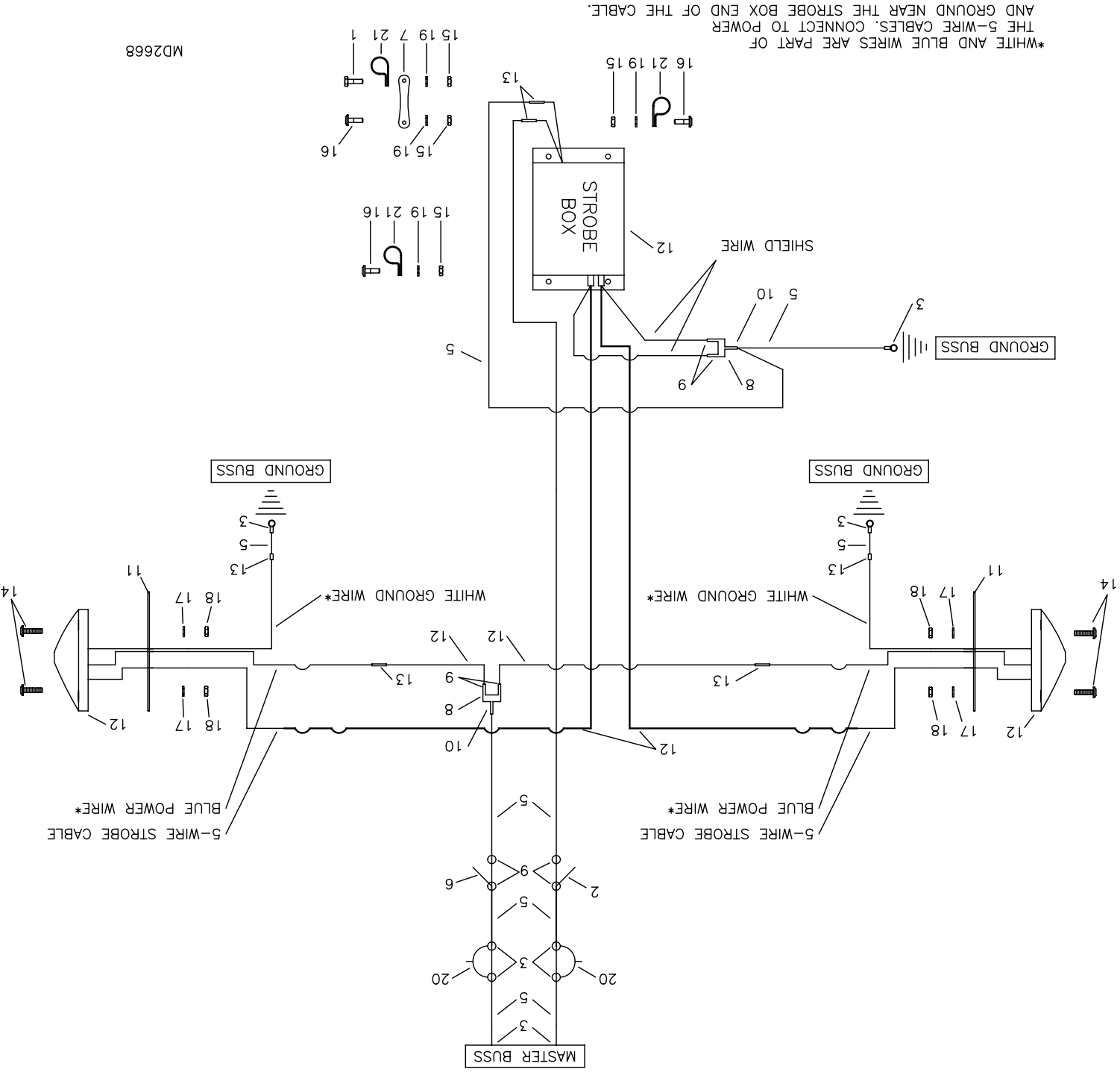
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Key Start Switch *	25-6	0
2.	Rocker Switch	KSES0016	2
3.	14 Gauge Eye Terminal, Blue, 5/32"	KSES0003	9
4.	14 Gauge Eye Terminal, Blue 3/16"	IP-7102	2
5.	14 Gauge White Wire	14 GA WIRE/WHITE	80 ft
6.	8-32 Single Ear Nut Plate	MS21051-08	4
7.	TANG	KPAC0038	1
8.	Terminal Y Connector, Brass	IP-YC	2
9.	14 Gauge Female Spade Terminal, Blue	IP-7128	8
10.	14 Gauge Male Spade Terminal, Blue	IP-7126	3
11.	Navigation Light Mount	KPWI0472	2
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.	3/16" Shear Nut	AN364-1032A	4
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.	3/16" Thin Washer	AN960-10L	4
20.	10 AMP Circuit Breaker	KSES0013	2
21.	5/8" Cushioned Clamp	MS21919-DG10	3
22.	3/16" Bolt	AN3-4A	4
23.	3/32" Aluminum Pop Rivet	40APR1/4	12
24.	8-32 Nut Plate	MS21047-08	2

*Referenced from Instruments & Electrical.

6/22/2006

OPTIONAL KUNTZLEMAN STROBE INSTALLATION

RMS S-7S COURIER



MD2668

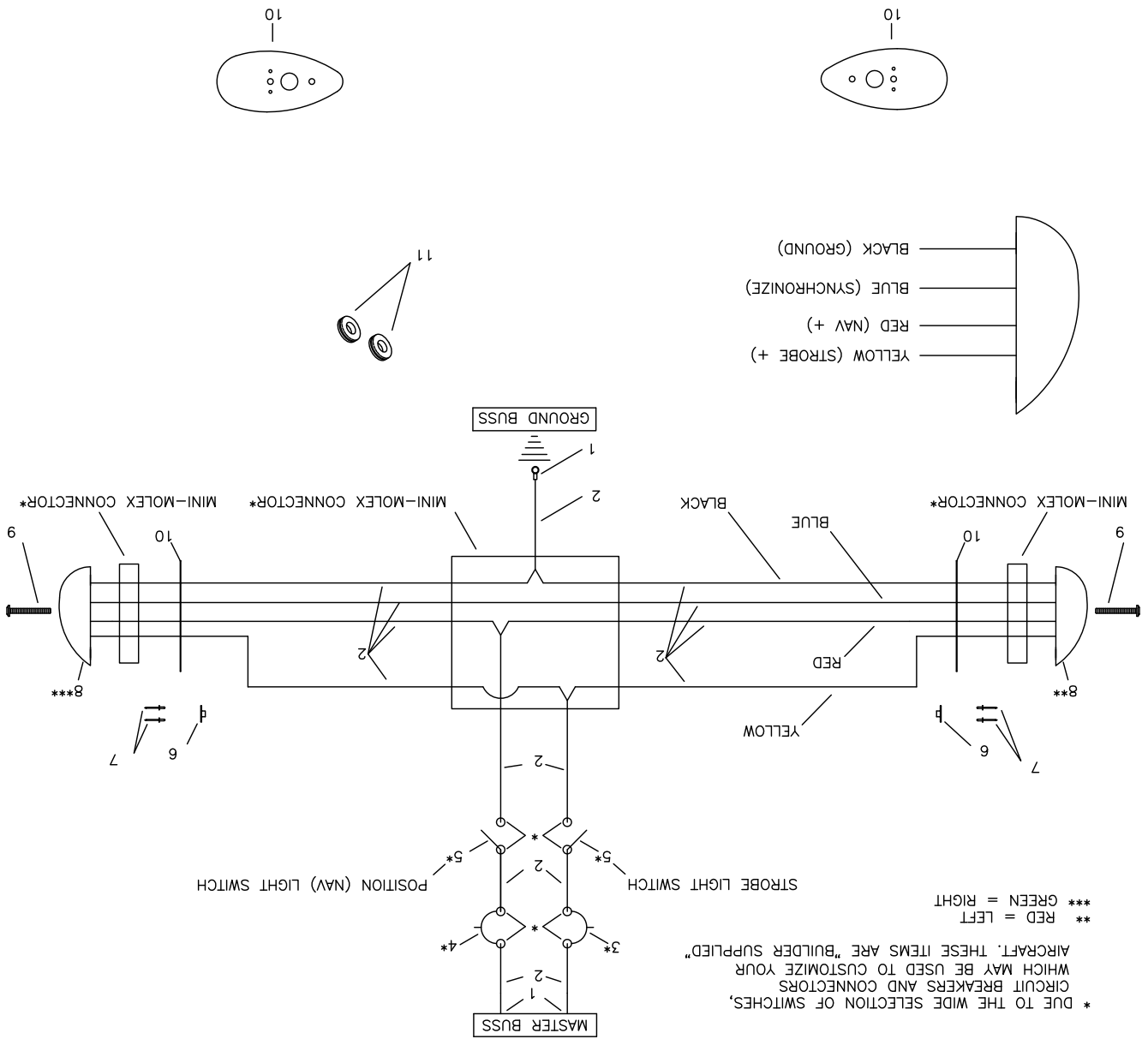
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	3/16" Bolt	AN3-4A	1
2.	Rocker Switch	KSES0016	2
3.	14 Gauge Eye Terminal, Blue, 5/32"	KSES0003	9
4.	14 Gauge Eye Terminal, Blue 3/16"	IP-7102	2
5.	14 Gauge White Wire	14 GA WIRE/WHITE	36 ft
6.	4 Amp Circuit Breaker	KSES0014	1
7.	TANG	KPAC0038	1
8.	Terminal Y Connector, Brass	IP-YC	2
9.	14 Gauge Female Spade Terminal, Blue	IP-7128	8
10.	14 Gauge Male Spade Terminal, Blue	IP-7126	3
11.	Kuntzleman Strobe Mount Plate	KPWI0519	2
12.	Kuntzleman Strobes	KSES0058	1
13.	14 Gauge Splice, Butt Connector	IP-7132	6
14.	8X32 Screw	AN526-832R16	4
15.	3/16" Shear Nut	AN364-1032A	4
16.	Pan Head Phillips Bolt	KSHW0071	3
17.	#8 Small Brass Washers	AN960-B8	4
18.	8X32 Nut	AN364-832A	4
19.	3/16" Thin Washer	AN960-10L	4
20.	2 AMP Circuit Breaker	KSES0012	1
21.	5/8" Cushioned Clamp	MS21919-DG10	3

*Referenced from Instruments & Electrical.

8/24/2007

RRMS S-7S COURIER OPTIONAL AVEO STROBE INSTALLATION

MD2668



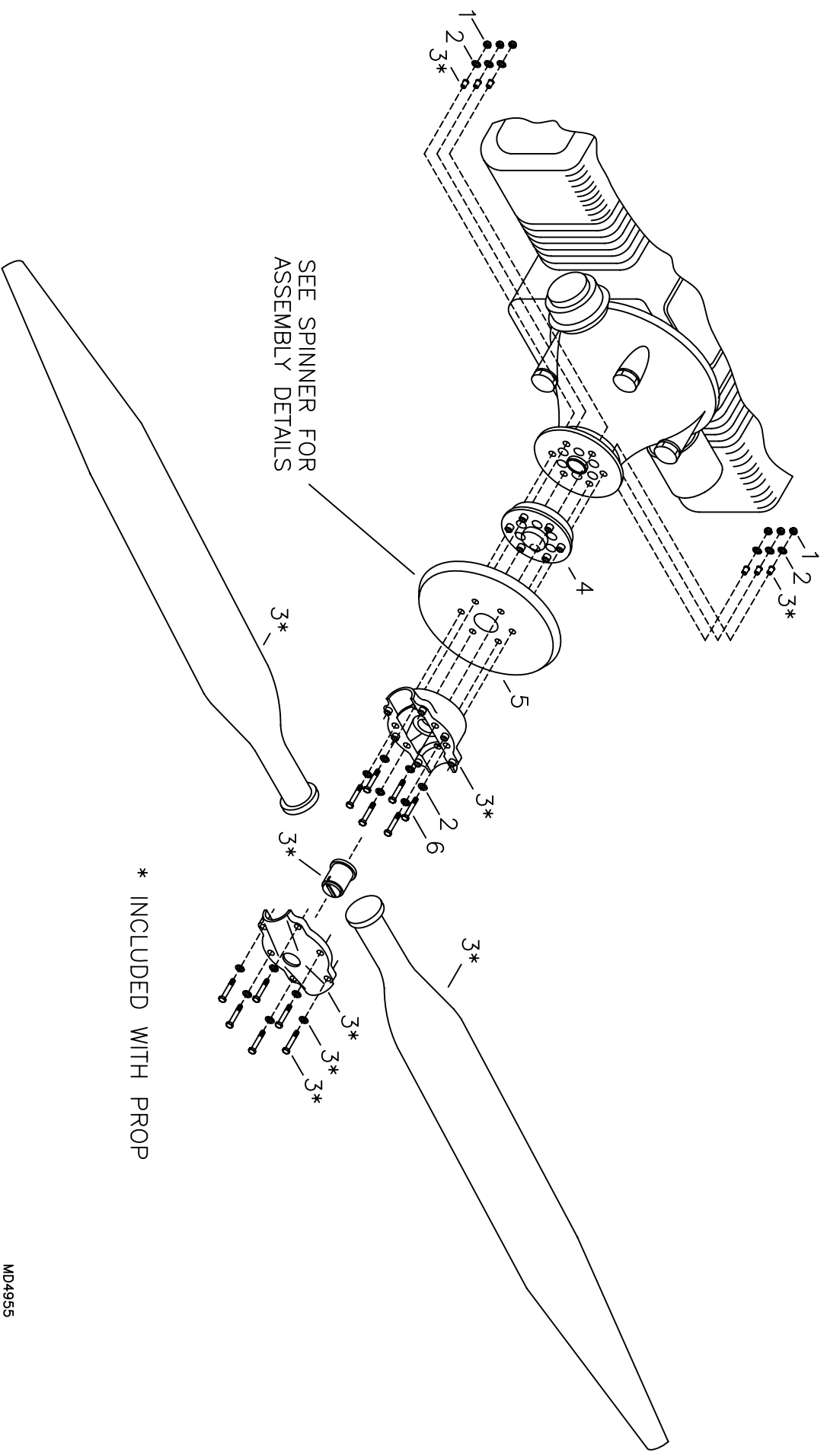
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	14 Gauge Eye Terminal - Blue - 5/32" *	KSES0003	0
2.	4-Wire Bundle - 18 Gauge Wire * **	KSES0060	0
3.	Circuit Breaker - 5 amp *	-----	0
4.	Circuit Breaker - 2 amp *	-----	0
5.	Switch *	-----	0
6.	3/16" Nut Plate ***	K-1000-3	0
7.	3/32" Aluminum Rivet ***	40APR1/8	0
8.	Strobe Light Set - AVEO	KSES0059	1 set
9.	3/16" Countersunk Machine Screw	KSHW0088	2
10.	Strobe Light Mount - AVEO ***	KPWI0541	0
11.	Rubber Grommet	MS35489-6	2

* Builder Supplied

** 4 separate 18 gauge wires may also be used

*** included with Wing Tip

11/6/2013



RRRMD S-7S COURIER OPTIONAL SENSENICH COMPOSITE PROP INSTALLATION

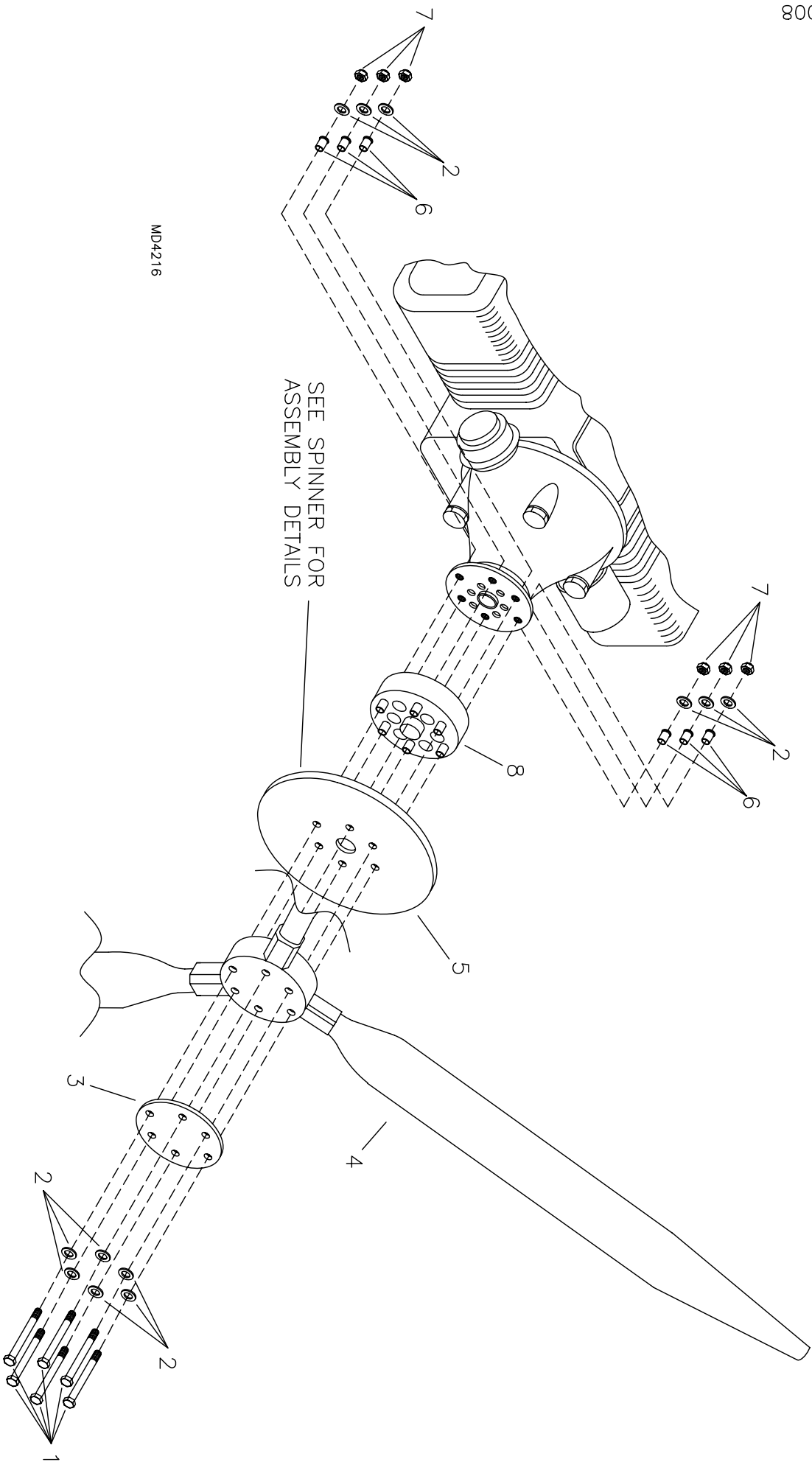
MD4955

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	8MM Nut	M8X1.25 Nut	6
2.	5/16" Washer	AN960-516	12
3.	Sensenich Composite Prop *	2A1R5R70D(N)	1
4.	1" Prop Ext. Assy - 912 Sensenich Composite	KAPW0034	1
5.	Spinner Backing Plate 13" 912S **	KPPW0253	0
6.	8 MM Bolt	M8X1.25X80	6

*(N) Designates nickel plated leading edge.

**Referenced from spinner assembly

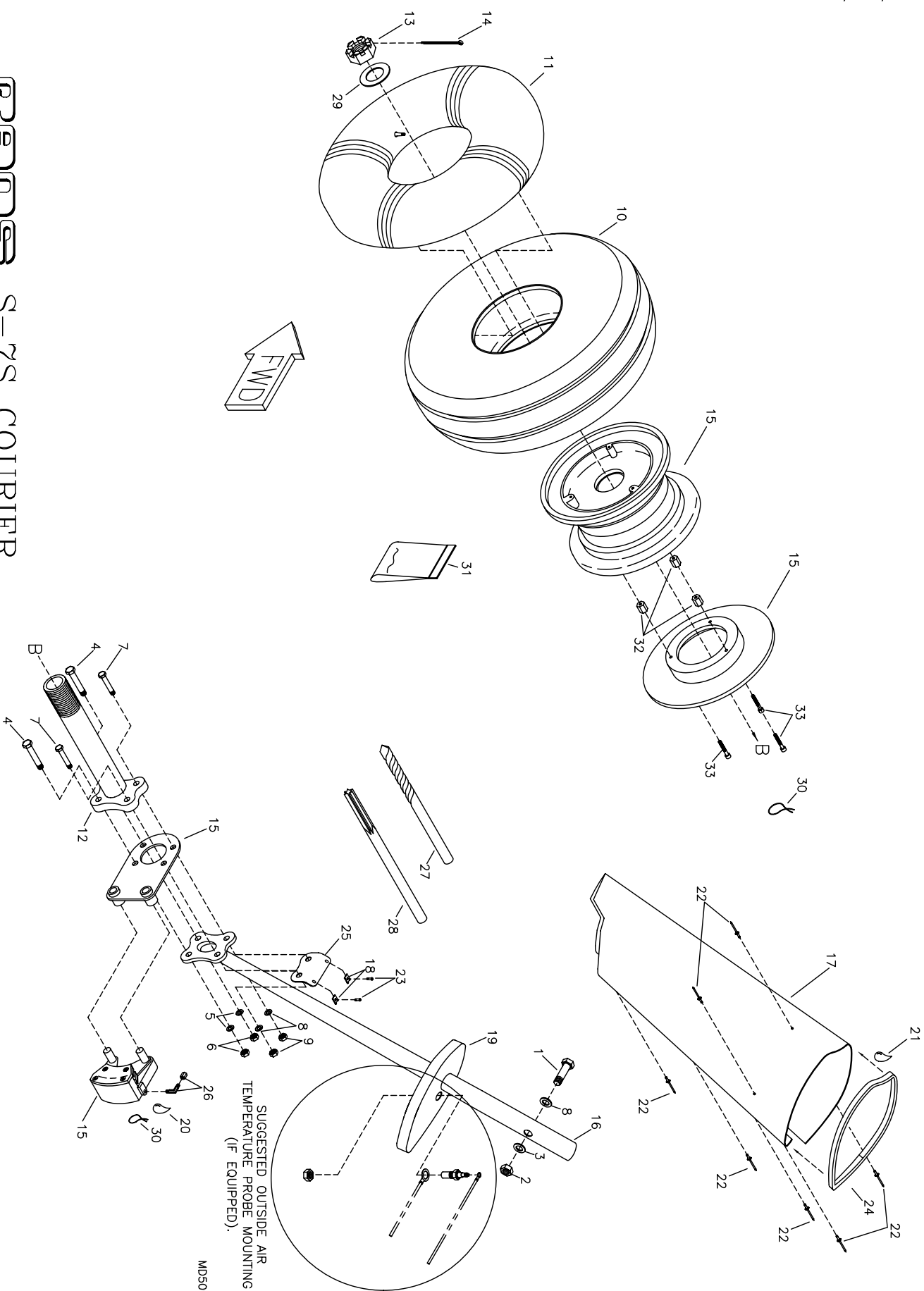
2/27/2006



R3F103 S-7S COURIER OPTIONAL WARP DRIVE PROPELLER INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	8MM X 120MM Bolt	M8x1.25x120	6
2.	5/16" Thick Washer	AN960-516	12
3.	Crush Plate	KPPW0183	1
4.	3-Blade Warp Drive Propeller, 912uls	KSPW0005-S	1
5.	Spinner Backing Plate, 13" *	KPPW0253	0
6.	Flange Bushing - 912	KPPW0038	6
7.	8MM Nut	M8x1.25 Nut	6
8.	1" Prop Extension Assembly	KAPW0012	1

* Supplied in Fire Wall Forward Kit



OPTIONAL 8.00 X 6 MAIN GEAR ASSEMBLY

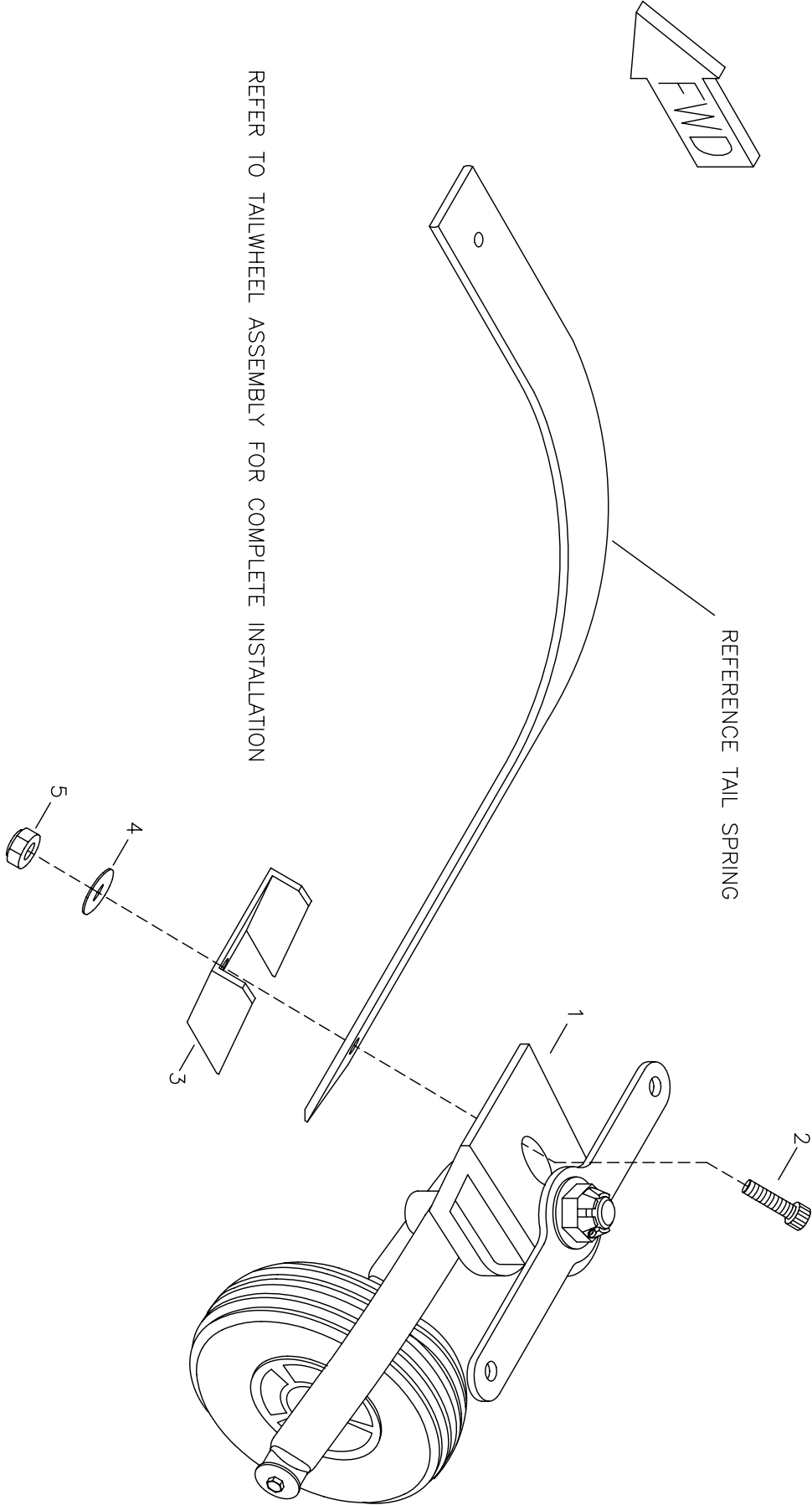
#	DESCRIPTION	PART NUMBER	QUANTITY
1.	5/16" Bolt, Close Tolerance	NAS6605-25	2
2.	5/16" Shear Nut	AN364-524A	2
3.	5/16" Thick Washer	AN960-516	2
4.	3/8" Bolt	AN6-17A	4
5.	3/8" Thick Washer	AN960-616	4
6.	3/8" Tensile Loc Nut	AN365-624A	4
7.	5/16" Bolt	AN5-16A	4
8.	5/16" Thin Washer	AN960-516L	6
9.	5/16" Tensile Nut	AN365-524A	4
10.	800 x 6 Tire	KSMG0024	2
11.	800 x 6 Tube	KSMG0023	2
12.	Axle **	-----	0
13.	Castle Nut **	-----	0
14.	Cotter Pin **	-----	0
15.	Hydraulic Brake Assembly, 6"	KSBS0030	2
16.	Gear Leg Assembly	KAMG0014	2
17.	Gear Leg Fairing, LH	KPMG0154-L	1
17.	Gear Leg Fairing, RH	KPMG0154-R	1
18.	Tinnerman	A1789-8Z-1	4
19.	Fairing Rib - Main Gear	KPMG0126	2
20.	Thread Sealant *	-----	0
21.	Adhesive *	-----	0
22.	3/32" Aluminum Rivet	40APR1/8	14
23.	#8 Pan Head Screw	8X1/2 PHS	4
24.	Rubber Edging	X1011	3 ft
25.	Main Gear Fairing Lower Bracket - LH	KPMG0127-L	1
25.	Main Gear Fairing Lower Bracket - RH	KPMG0127-R	1
26.	90 Degree Fitting	KSBS0017	2
27.	7.8mm Drill Bit	KPAC0208	1
28.	Reamer - 0.3115"	KPAC0207	1
29.	Washer **	-----	0
30.	Safety Wire *	-----	0
31.	MATCO Adaptor Kit	KSBS0032	1
32.	Disc Spacer ***	-----	0
33.	Socket Head Cap Screw ***	-----	0

* Builder Supplied

**Supplied With KSBS0030

***Supplied with KSBS0032

3/1/2008



Puma S-7S COURIER
OPTIONAL 8" PNEUMATIC TAILWHEEL ASSEMBLY

MD5097

S-7S COURIER - OPTIONS - 8" PNEUMATIC TAILWHEEL ASSEMBLY

PAGE 011-14

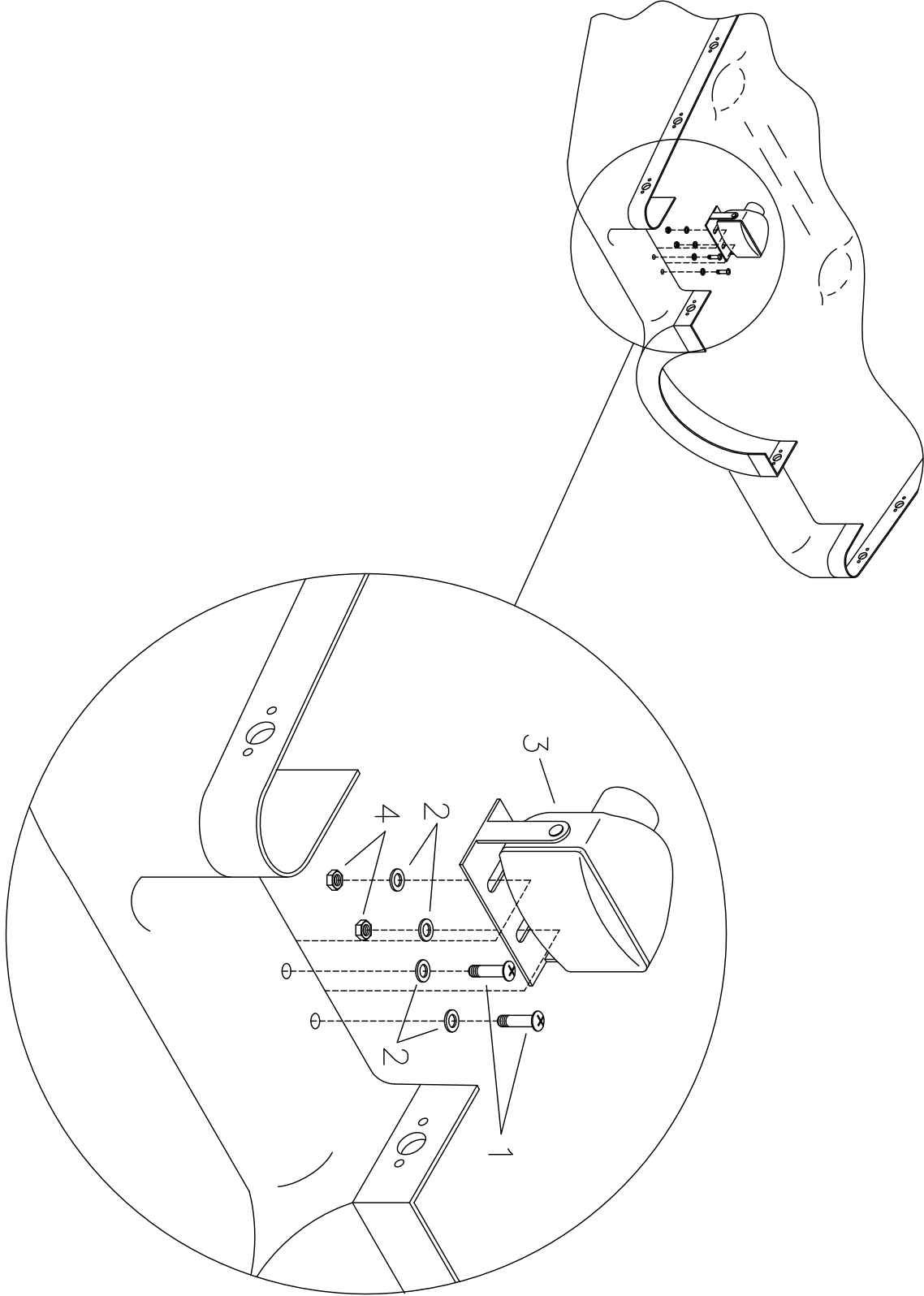
REFER TO TAILWHEEL ASSEMBLY FOR COMPLETE INSTALLATION

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	8" Pneumatic Tailwheel Assembly*	KATG0006	1
2.	Socket Head Cap Screw **	KSHW0058	0
3.	Tailwheel - Spring Channel **	KPTG0007	0
4.	3/8" Thick Washer **	AN960-616	0
5.	3/8" Tensile Loc Nut **	AN363-624A	0

* Replaces KATG0002 Tailwheel Assembly

** Included with KATG0006

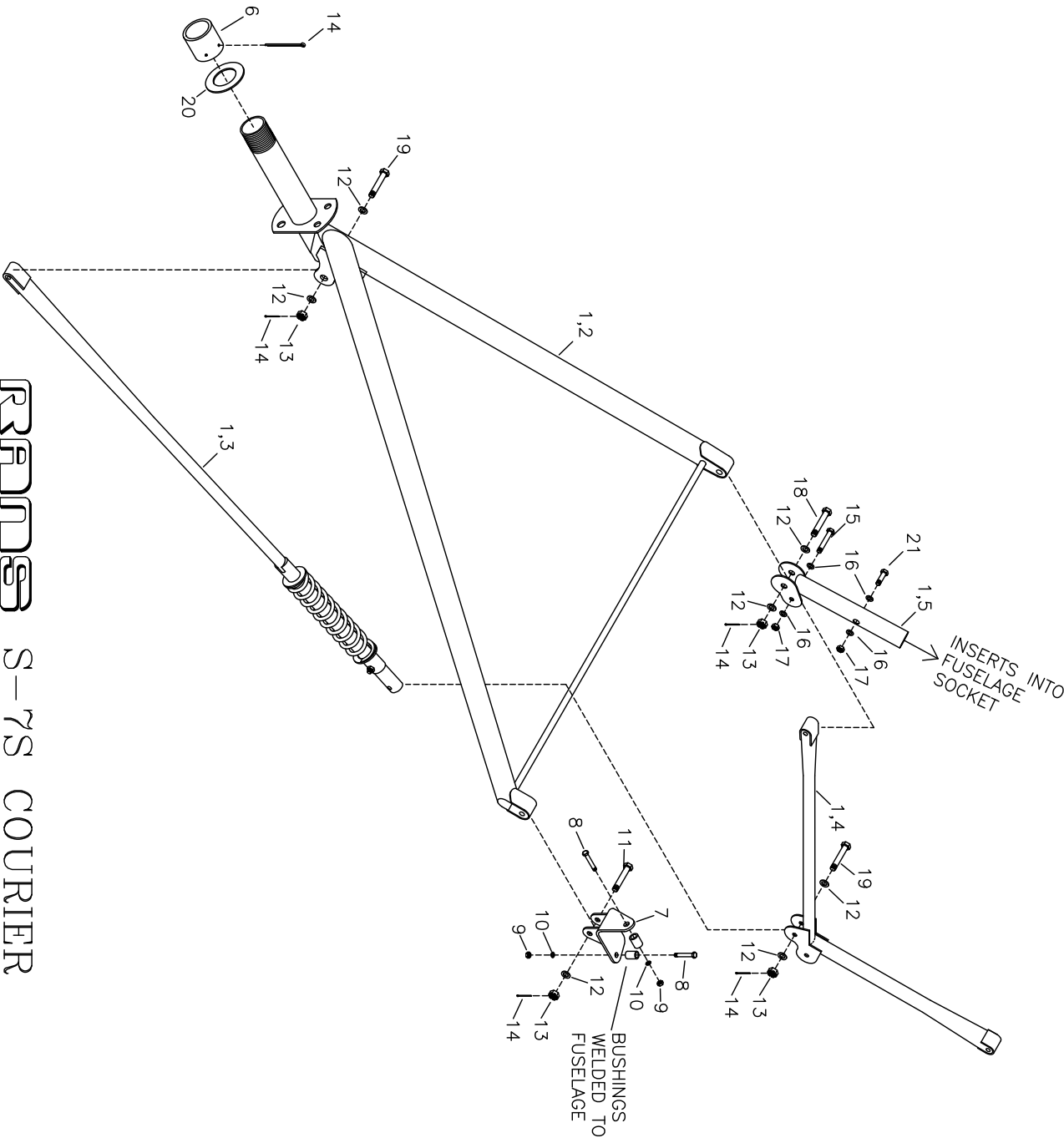
11/24/2010



OPTIONAL LANDING LIGHT INSTALLATION

MD5531

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	8/32" Truss Head Bolt	AN515-8R7	2
2.	#8 Small Brass Washers	AN960-B8	4
3.	Landing Light	KSES0068	1
4.	8-32 Shear Nut	AN364-832A	2



MD5579

#	DESCRIPTION	PART NUMBER	QUANTITY
1.	Monster Gear Assembly	KSMG0025	1 set
2.	Gear Leg - Monster Gear - LH *	KSMG0025-1L	0
2.	Gear Leg - Monster Gear - RH *	KSMG0025-1R	0
3.	Strut - Monster Gear *	KSMG0025-2	0
4.	V-Brace - Monster Gear *	KSMG0025-3	0
5.	Gear Socket Weldment - Monster Gear *	KSMG0025-4	0
6.	Axle Nut - Round	KSMG0026	2
7.	Monster Gear Attach Angle - LH	KPMG0207-L	1
7.	Monster Gear Attach Angle - RH	KPMG0207-R	1
8.	1/4" Bolt	AN4-13A	4
9.	1/4" Shear Nut	AN364-428A	4
10.	1/4" Thin Washer	AN960-416L	4
11.	3/8" Bolt	AN6-17	2
12.	3/8" Thin Washer	AN960-616L	8
13.	3/8" Castle Nut	AN310-6	8
14.	Large Cotter Pin	MS24665-285	10
15.	5/16" Bolt	AN5-21A	2
16.	5/16" Thin Washer	AN960-516L	4
17.	5/16" Shear Nut	AN364-524A	4
18.	3/8" Bolt	AN6-25	2
19.	3/8" Bolt	AN6-20	4
20.	1-1/4" Washer	AN960-2016	2
21.	5/16" Bolt - Close Tolerance	NAS6605-25	2

* Supplied with KSMG0025