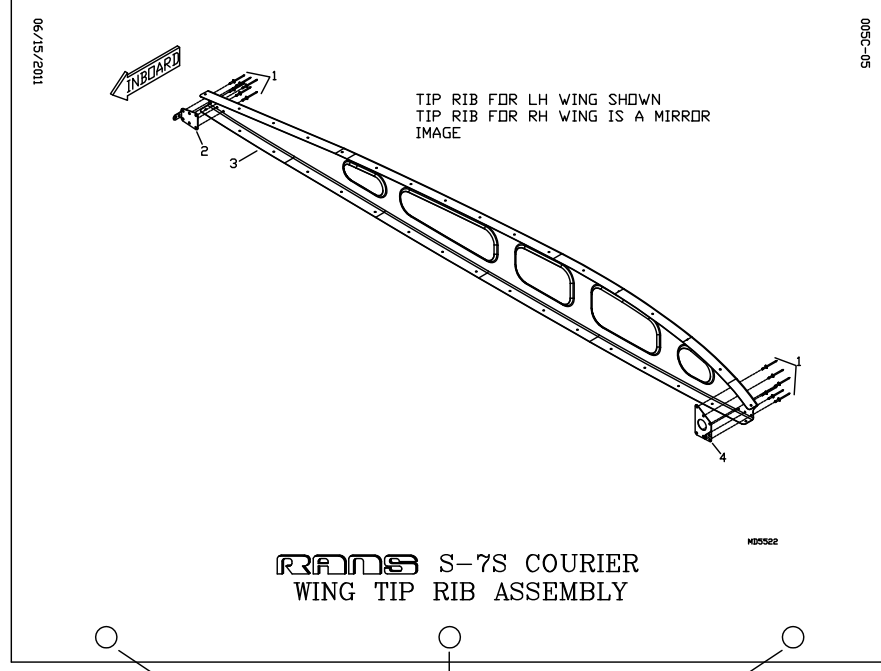


STEP 1:

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

PARTS DRAWING PAGE



3-HOLE PUNCH

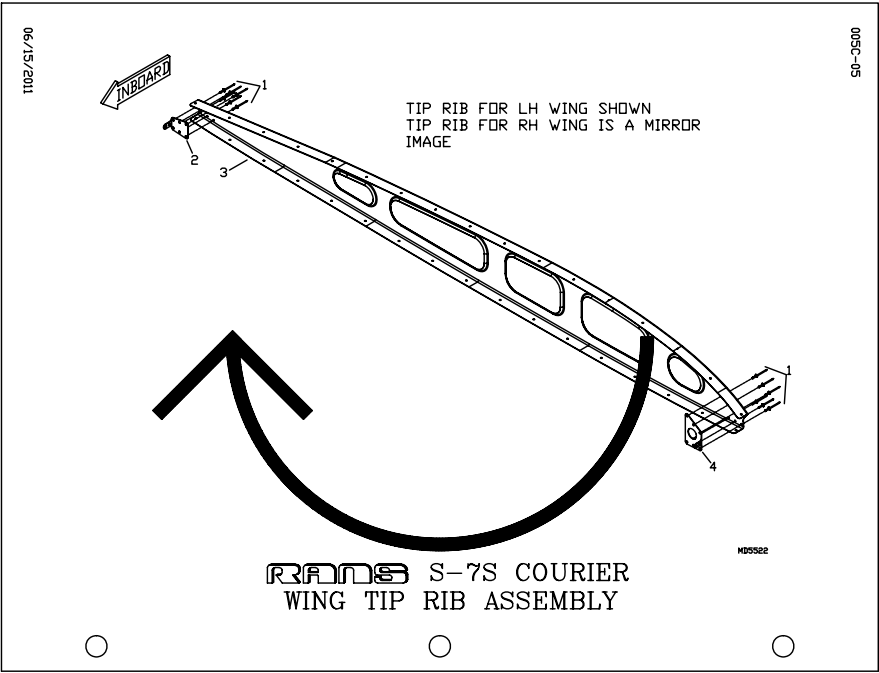
EXAMPLE ONLY.  
MAY NOT REPRESENT ACTUAL PAGES  
FROM YOUR MANUAL.

SEE NEXT PAGE

STEP 2:

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

PARTS DRAWING PAGE



PARTS DESCRIPTION PAGE

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

6/15/2011

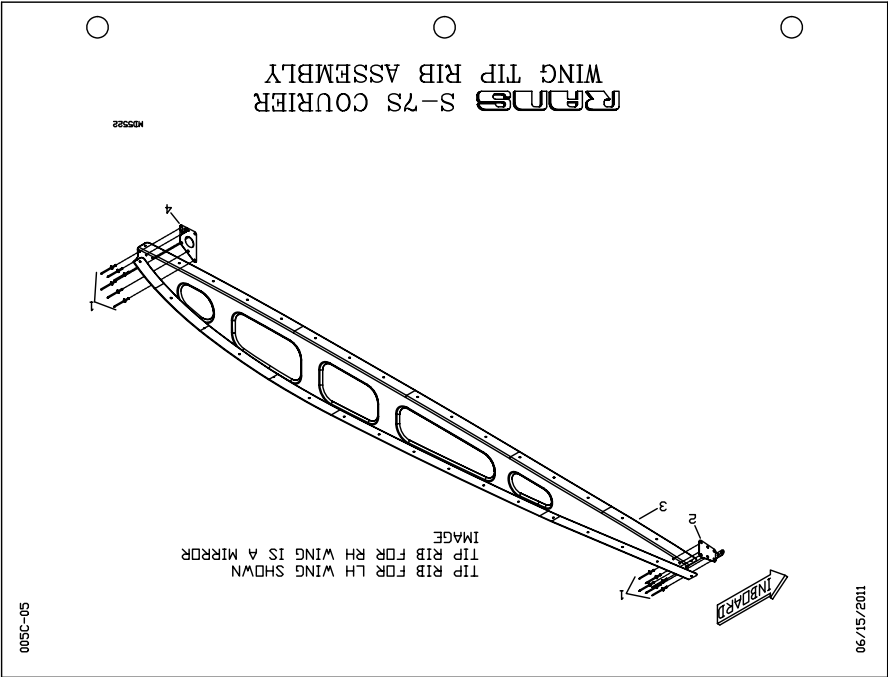
EXAMPLE ONLY.  
MAY NOT REPRESENT ACTUAL PAGES  
FROM YOUR MANUAL.

SEE NEXT PAGE

STEP 3:

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

PARTS DRAWING PAGE



PARTS DESCRIPTION PAGE

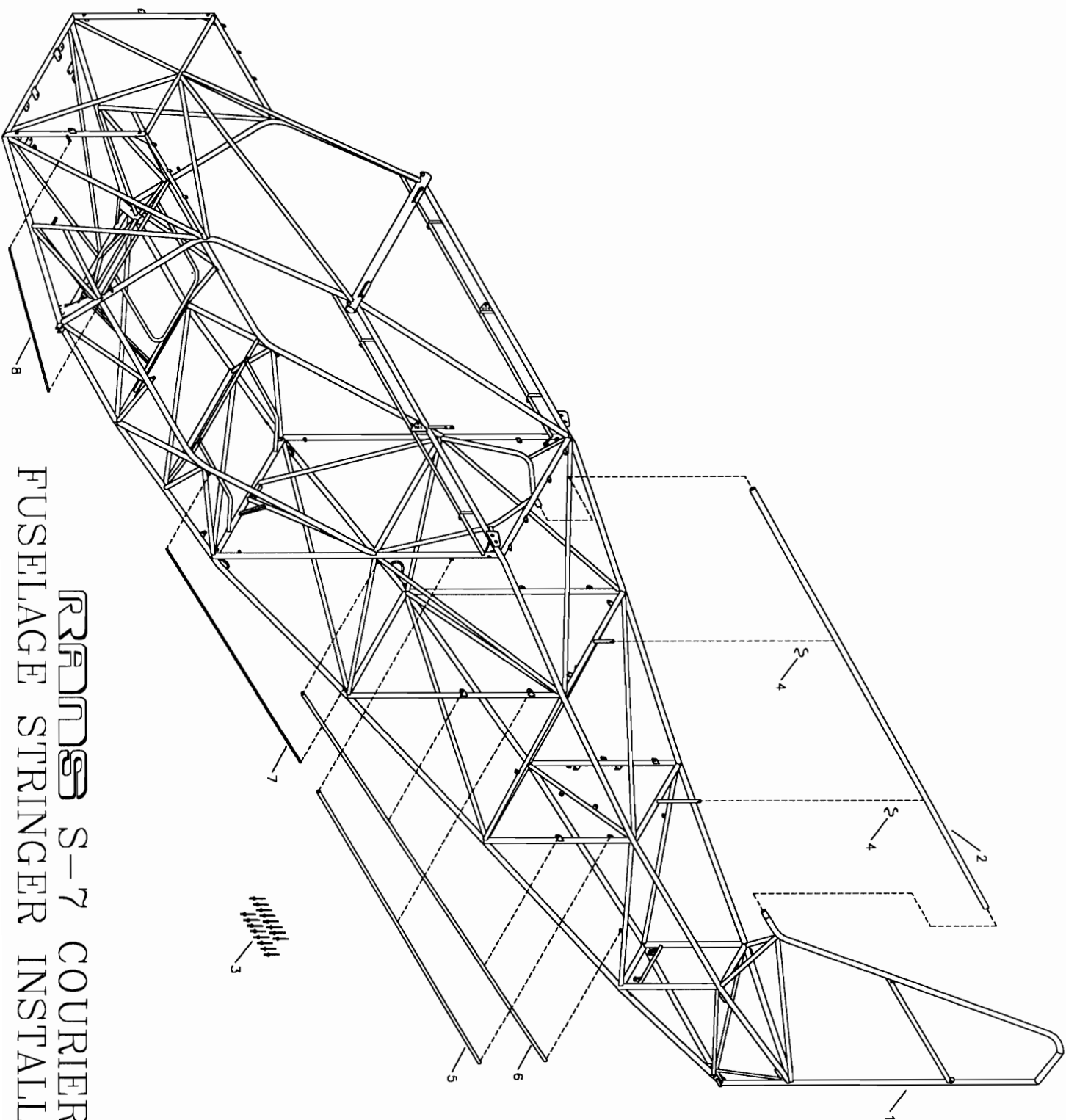
| S-7S COURIER - WING - TIP RIB ASSEMBLY |                             |             |          |
|----------------------------------------|-----------------------------|-------------|----------|
| #                                      | DESCRIPTION                 | PART NUMBER | QUANTITY |
| 1.                                     | 1/8" ALUMINUM RIVET         | AAPO41      | 24       |
| 2.                                     | RIB CLIP TRAILING EDGE - LH | KPW0372-L   | 4        |
| 2.                                     | RIB CLIP TRAILING EDGE - RH | KPW0372-R   | 1        |
| 3.                                     | WING TIP RIB - LH           | KPW0544-L   | 1        |
| 3.                                     | WING TIP RIB - RH           | KPW0544-R   | 1        |
| 4.                                     | RIB CLIP LEADING EDGE - LH  | KPW0373-L   | 1        |
| 4.                                     | RIB CLIP LEADING EDGE - RH  | KPW0373-R   | 1        |

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

**S-7 COURIER - GENERAL**

| #    | DESCRIPTION                        | PART NUMBER     | QUANTITY |
|------|------------------------------------|-----------------|----------|
| 1 .  | Assembly Manual                    | ASSEMBLY MANUAL | 1        |
| 2 .  | Flight Log                         | FLIGHT LOG      | 1        |
| 3 .  | Maintenance Log                    | MAINTENANCE LOG | 1        |
| 4 .  | RANS Decals                        | RANS DECAL      | 2        |
| 5 .  | S-7 Decal                          | S-7 DECAL       | 2        |
| 6 .  | Experimental Decal                 | EXPER-DECAL     | 1        |
| 7 .  | Range Decals                       | RANGE DECAL     | 1        |
| 8 .  | Raw Stock Kit                      | KAAC0002        | 1        |
| 8 .  | 1/2" x .035 Aluminum Tube *        | KAAC0002-1      | 16 ft    |
| 8 .  | 1/8" Stainless Steel Rod *         | KAAC0002-2      | 3 ft     |
| 8 .  | 3/8" x .058 Aluminum Tube *        | KAAC0002-3      | 6 in     |
| 8 .  | 3/8" x .090 Aluminum Tube *        | KAAC0002-4      | 6 in     |
| 8 .  | 1/2" x .058 Aluminum Tube *        | KAAC0002-5      | 6 in     |
| 8 .  | 1/2" x .028 Aluminum Tube *        | KAAC0002-6      | 48 ft    |
| 8 .  | 1/4" x .028 Aluminum Tube *        | KAAC0002-7      | 18 ft    |
| 8 .  | 1/4" x .028 Stainless Steel Tube * | KAAC0002-8      | 6 in     |
| 8 .  | 1/2" x .125 Aluminum Strip *       | KAAC0002-9      | 3 in     |
| 8 .  | 1/2" X .040 Aluminum Strip *       | KAAC0002-10     | 16 ft    |
| 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.



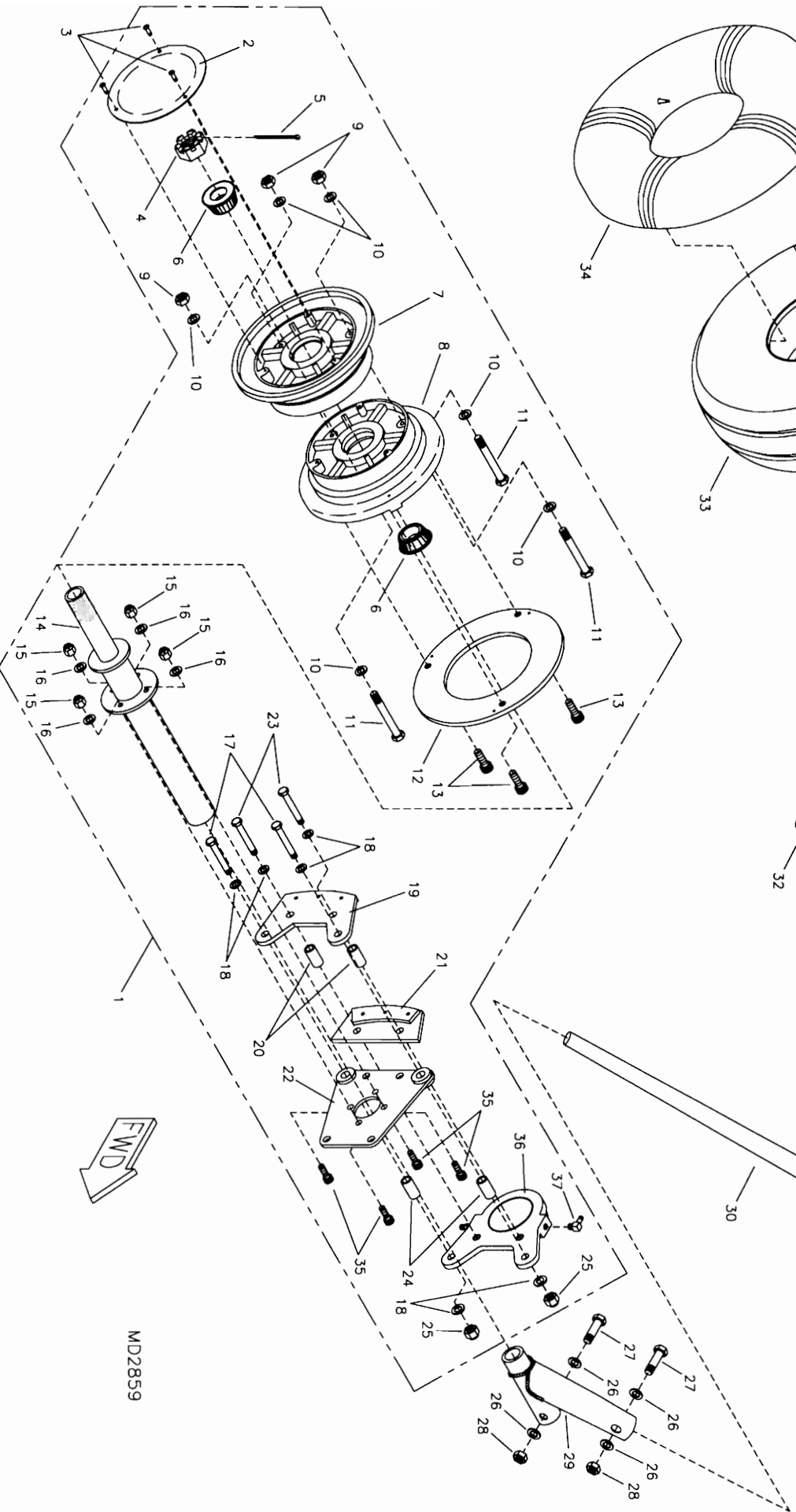
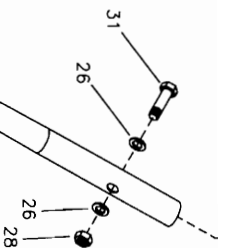
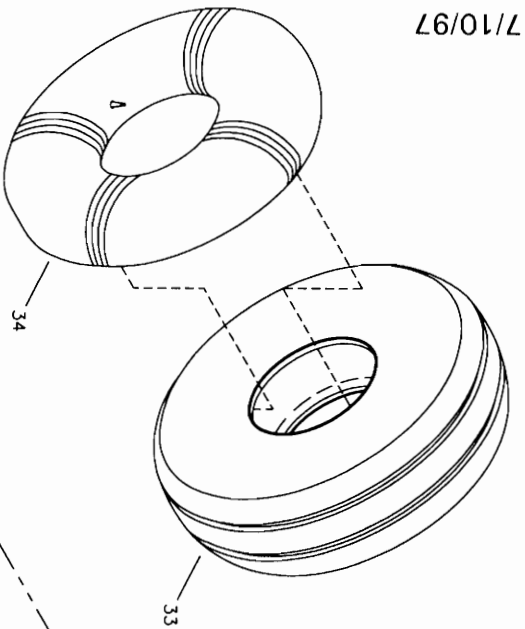
# R4M S-7 COURIER FUSELAGE STRINGER INSTALLATION

MD2388

**S-7 COURIER - FUSELAGE STRINGER INSTALLATION**

| #   | DESCRIPTION                               | PART NUMBER | QUANTITY |
|-----|-------------------------------------------|-------------|----------|
| 1 . | Fuselage                                  | KAFU0018    | 1        |
| 2 . | Vertical Stablizer Stringer               | KPVS0022    | 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 *  | KAAC0002-6  | 0        |
| 6 . | Center AFT Side Former, 1/2" x .028 x X * | KAAC0002-6  | 0        |
| 7 . | Lower AFT Side Former, 1/4" x .028 x X *  | KAAC0002-7  | 0        |
| 8 . | Center FWD Side Former, 1/4" x .028 x X * | KAAC0002-7  | 0        |

\*Builder must fabricate from raw stock.



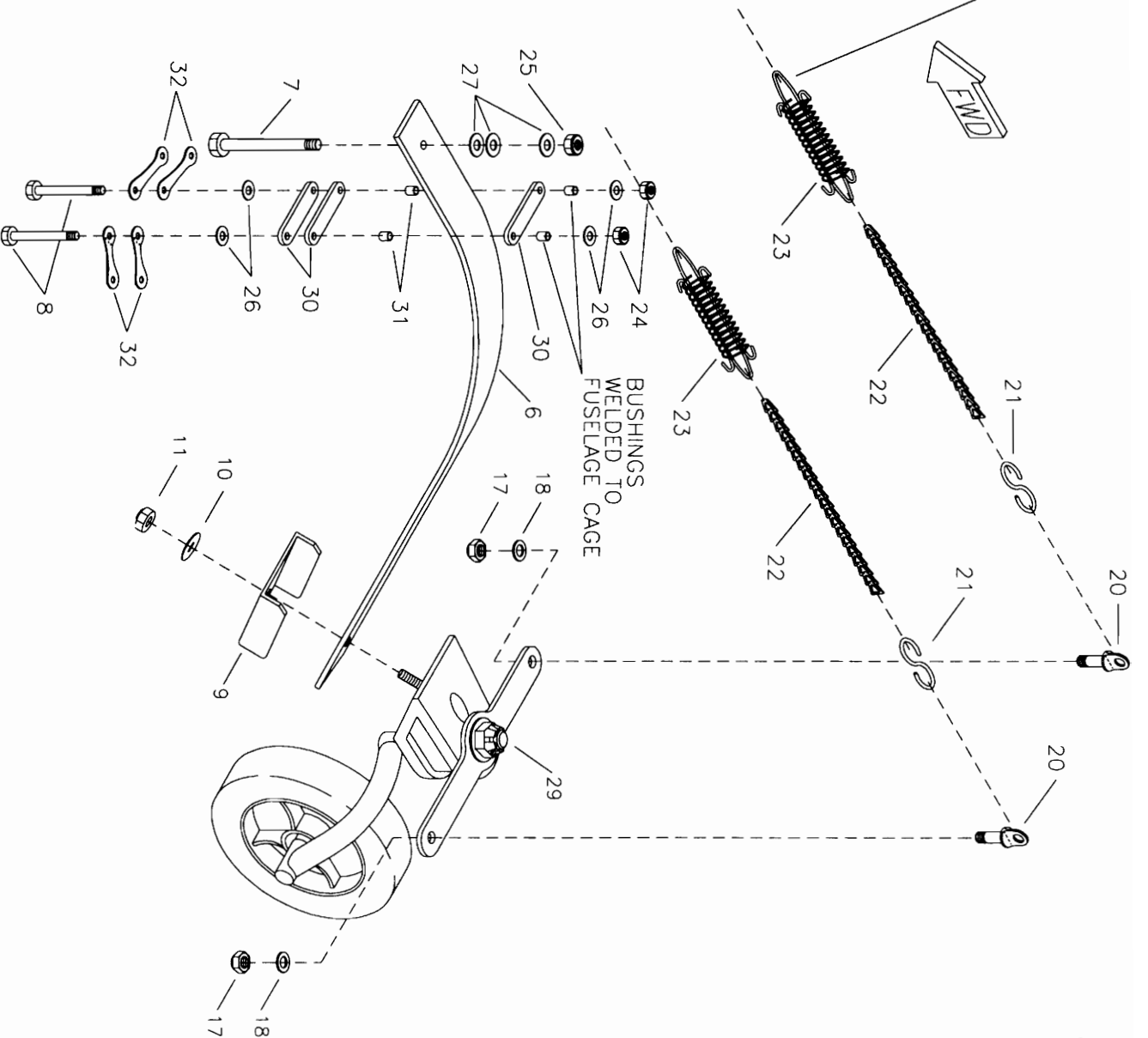
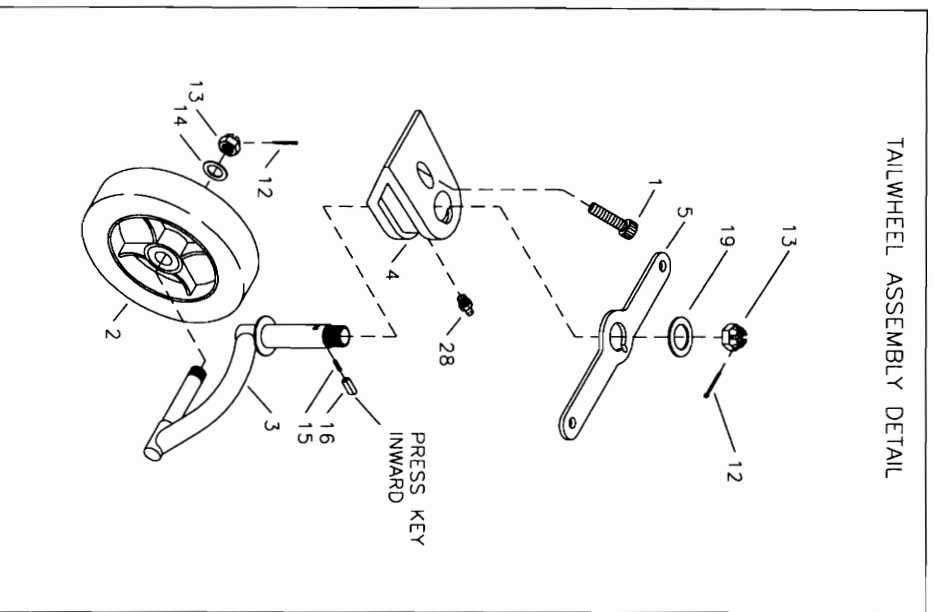
# REAR S-7 COURIER MAIN GEAR ASSEMBLY AND INSTALLATION

**S-7 COURIER - MAIN GEAR ASSEMBLY & INSTALLATION**

| #    | DESCRIPTION                       | PART NUMBER | QUANTITY |
|------|-----------------------------------|-------------|----------|
| 1 .  | Hydraulic Brake Assembly-6"       | KSBS0014    | 2        |
| 2 .  | Cover Plate *                     | KSBS0014-1  | 2        |
| 3 .  | Machine Screw *                   | KSBS0014-2  | 6        |
| 4 .  | Castle Nut *                      | KSBS0014-3  | 2        |
| 5 .  | Cotter Pin *                      | KSBS0014-4  | 2        |
| 6 .  | Bearing *                         | KSBS0014-5  | 4        |
| 7 .  | Wheel Half - Outer *              | KSBS0014-6  | 2        |
| 8 .  | Wheel Half - Inner *              | KSBS0014-7  | 2        |
| 9 .  | 1/4" Nut *                        | KSBS0014-8  | 6        |
| 10 . | 1/4" Thin Washer *                | KSBS0014-9  | 12       |
| 11 . | 1/4" Bolt *                       | KSBS0014-10 | 6        |
| 12 . | Brake Disc *                      | KSBS0014-11 | 2        |
| 13 . | Socket Head Cap Screw - Drilled * | KSBS0014-12 | 6        |
| 14 . | Axle *                            | KSBS0014-13 | 2        |
| 15 . | Nut *                             | KSBS0014-14 | 8        |
| 16 . | Washer *                          | KSBS0014-15 | 8        |
| 17 . | 1/4" Bolt *                       | KSBS0014-16 | 4        |
| 18 . | 1/4" Thick Washer *               | KSBS0014-17 | 12       |
| 19 . | Brake Pad - Inner *               | KSBS0014-18 | 2        |
| 20 . | Bushing *                         | KSBS0014-19 | 4        |
| 21 . | Brake Pad - Outer *               | KSBS0014-20 | 2        |
| 22 . | Caliper Attach Plate *            | KSBS0014-21 | 2        |
| 23 . | 1/4" Bolt - Drilled Head *        | KSBS0014-22 | 4        |
| 24 . | Bushing *                         | KSBS0014-23 | 4        |
| 25 . | 1/4" Nut *                        | KSBS0014-24 | 4        |
| 26 . | 1/4" Thick Washer                 | AN960-416   | 12       |
| 27 . | 1/4" Bolt                         | AN4-14A     | 4        |
| 28 . | 1/4" Shear Nut                    | AN364-428A  | 6        |
| 29 . | Gear Socket                       | KPMG0079    | 2        |
| 30 . | Gear Leg                          | KPMG0066    | 2        |
| 31 . | 1/4" Bolt                         | AN4-17A     | 2        |
| 32 . | Safety Wire                       | SAFETY WIRE | 0 ft     |
| 33 . | Tire                              | KSMG0008    | 2        |
| 34 . | Tire Tube                         | KSMG0012    | 2        |
| 35 . | Socket Head Cap Screw *           | KSBS0014-25 | 8        |
| 36 . | Caliper Cylinder *                | KSBS0014-26 | 2        |
| 37 . | 90 Fitting                        | KSBS0001    | 2        |

\*Supplied pre-assembled with Wheel Assembly.

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



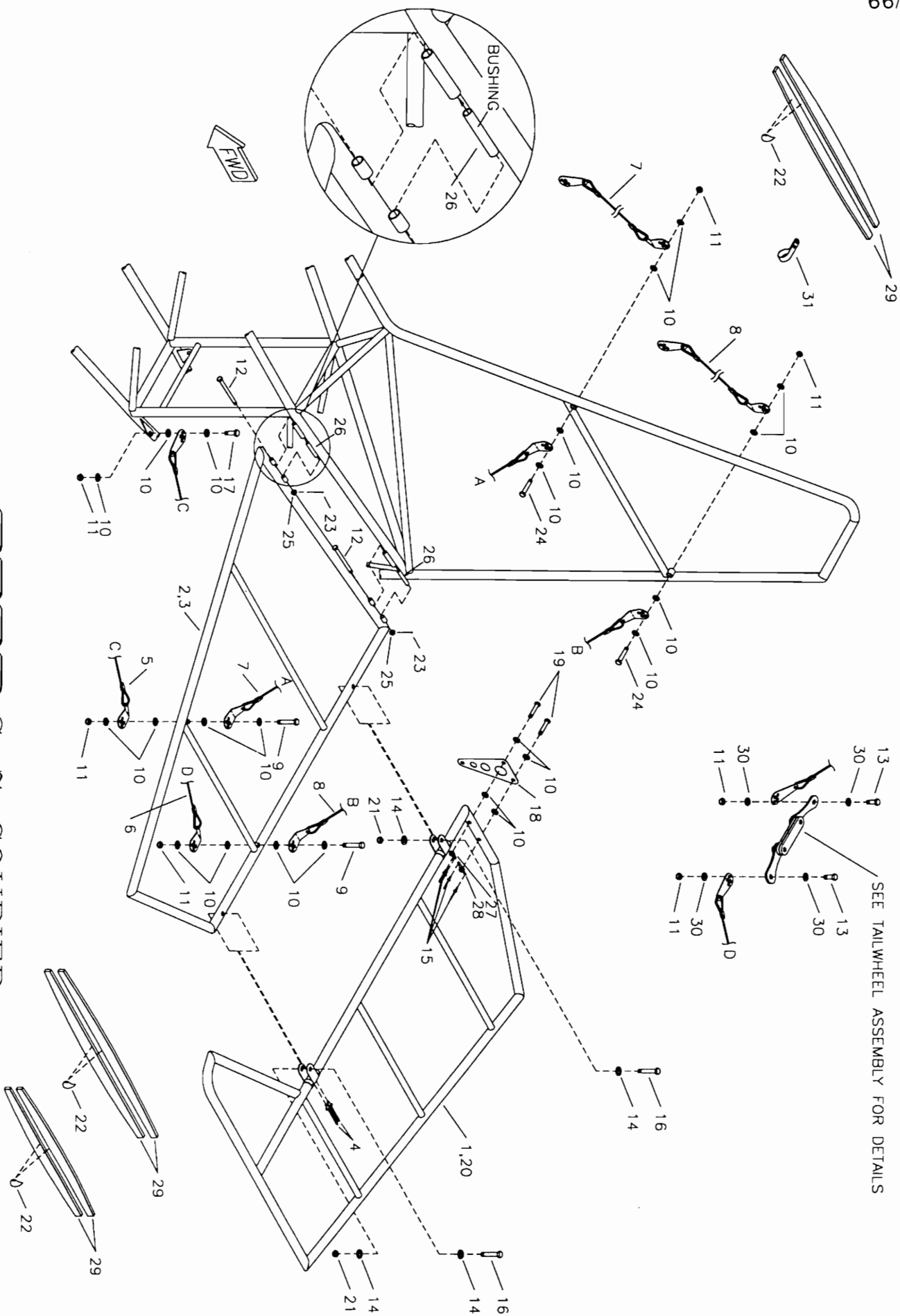
# REAR S-7 COURIER TAILWHEEL ASSEMBLY & INSTALLATION

**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   | 4        |
| 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 ** | KAAC0002-7  | 0        |
| 32 . | Hummertang                              | T12-HT6     | 4        |

\*Supplied in tailwheel assembly.

\*\*Builder must fabricate from raw stock.



# S-7 COURIER TAIL GROUP ASSEMBLY & INSTALLATION

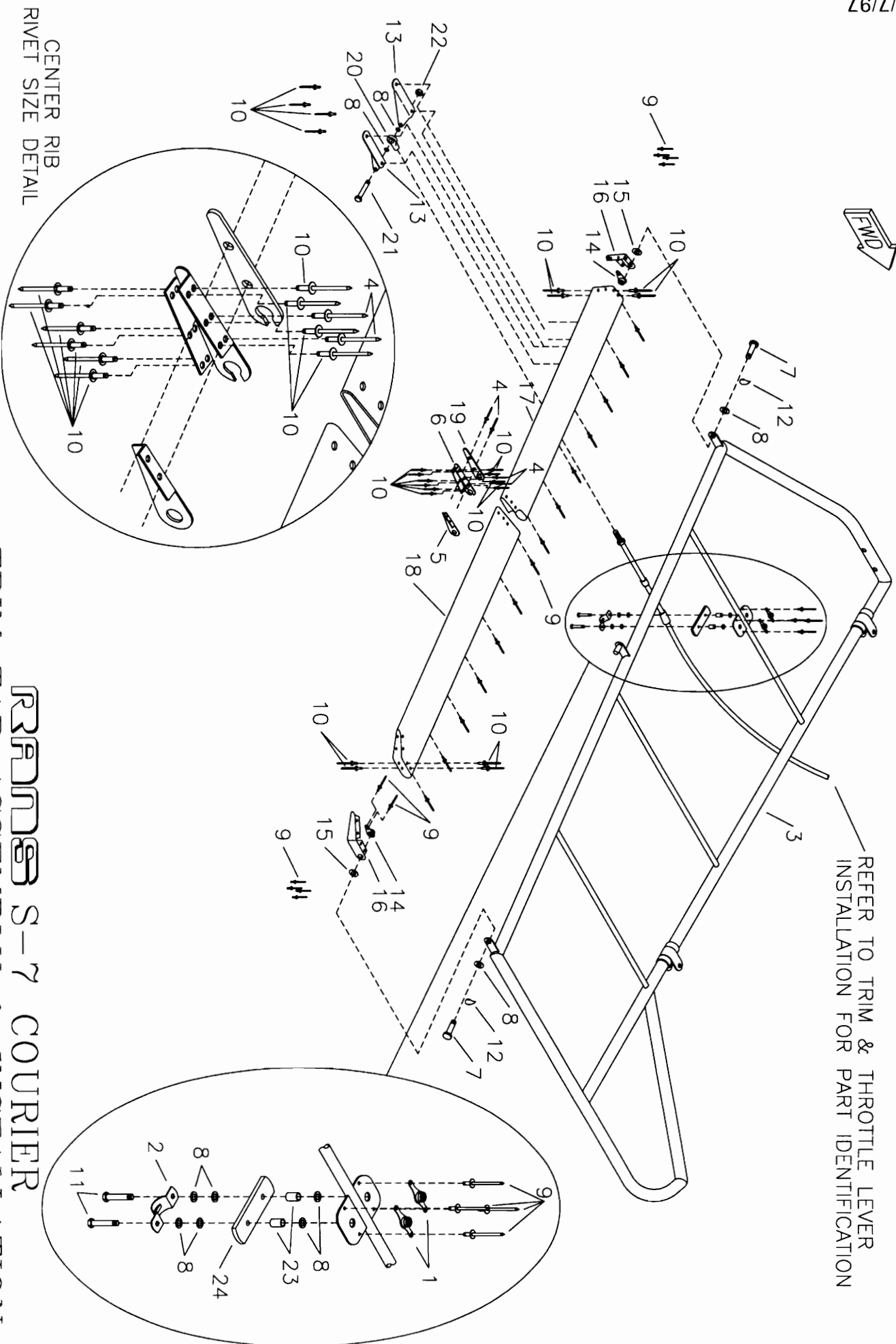
**S-7 COURIER - TAIL GROUP ASSEMBLY & INSTALLATION**

| #  | DESCRIPTION                               | PART NUMBER | QUANTITY |
|----|-------------------------------------------|-------------|----------|
| 1  | Elevator, LH                              | KAEL0010    | 1        |
| 2  | Horizontal Stabilizer, LH                 | KAHS0020-LH | 1        |
| 3  | Horizontal Stabilizer, RH                 | KAHS0020-RH | 1        |
| 4  | 1/8" Stainless Steel Pop Rivet - Cherry Q | CCPQ-42     | 8        |
| 5  | Lower Forward Cable                       | KAHS0019    | 2        |
| 6  | Lower AFT Cable                           | KAHS0004    | 2        |
| 7  | Upper Forward Cable                       | KAHS0001    | 2        |
| 8  | Upper AFT Cable                           | KAHS0002    | 2        |
| 9  | 3/16" Bolt                                | AN3-15A     | 4        |
| 10 | 3/16" Thin Washer                         | AN960-10L   | 38       |
| 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  | 8        |
| 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                             | TG-EH       | 2        |
| 19 | 3/16" Bolt                                | AN3-11A     | 4        |
| 20 | Elevator, RH                              | KAEL0009    | 1        |
| 21 | 1/4" Shear Nut                            | AN364-428A  | 4        |
| 22 | 5 Minute Epoxy                            | EPOXY       | 1        |
| 23 | Small Cotter Pin                          | MS24665-134 | 4        |
| 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 | 3/16" Single Ear Nut Plate                | MS21051-L3  | 2        |
| 28 | 3/16" Nut Plate                           | K-1000-3    | 2        |
| 29 | Wood Lattice Ribs                         | LATTICE     | 10 ft    |
| 30 | 3/16" Thick Washer                        | AN960-10    | 4        |
| 31 | Jib Strap *                               | RL-319      | 1        |

\*Used on right hand elevator only. Refer to text for instructions.



REFER TO TRIM & THROTTLE LEVER  
INSTALLATION FOR PART IDENTIFICATION



CENTER RIB  
RIVET SIZE DETAIL

MD2320

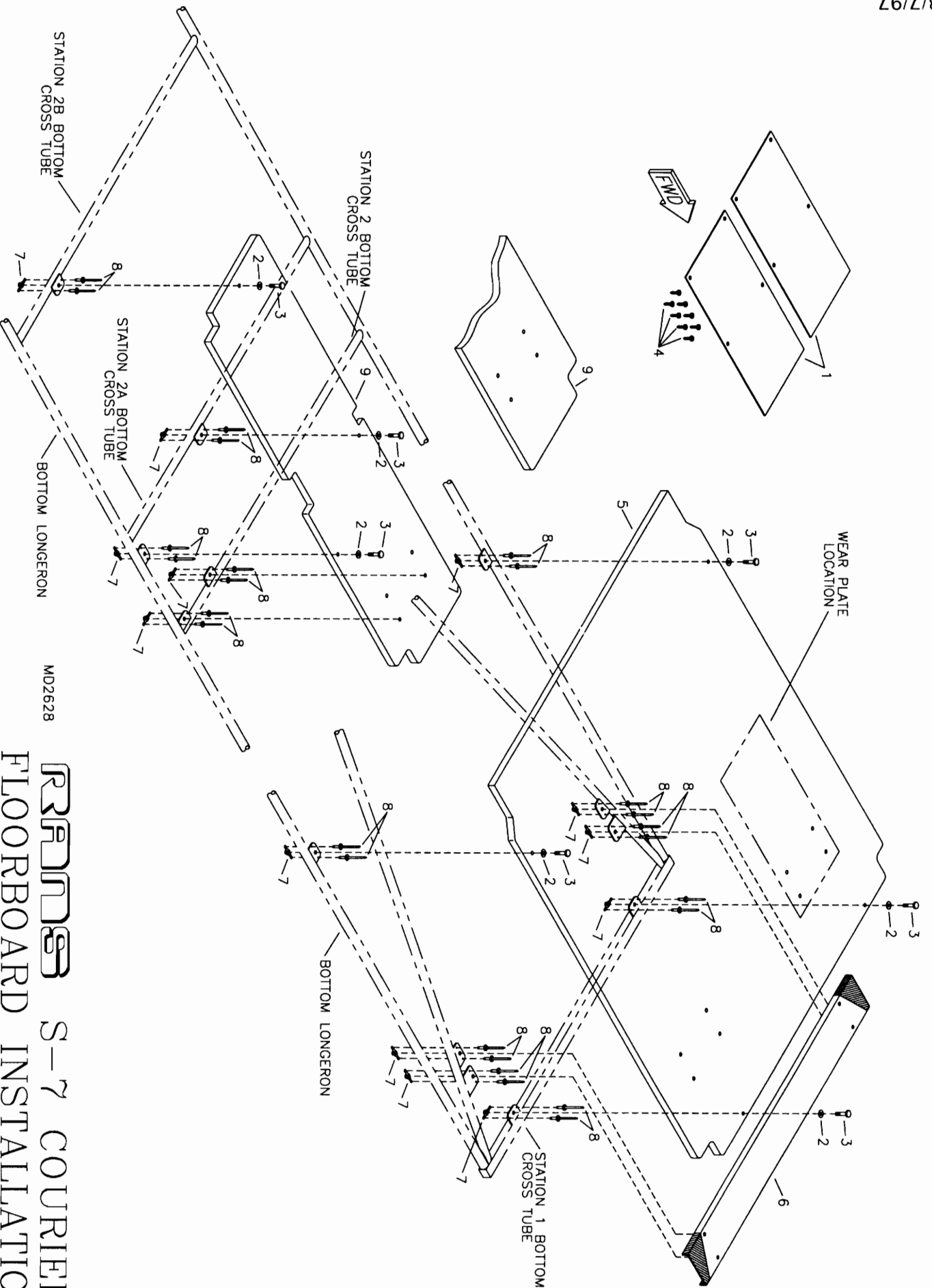
# REFORM S-7 COURIER TRIM TAB ASSEMBLY & INSTALLATION

**S-7 COURIER - TRIM TAB ASSEMBLY & INSTALLATION**

| #    | DESCRIPTION                              | PART NUMBER | QUANTITY |
|------|------------------------------------------|-------------|----------|
| 1 .  | 3/16" Nut Plate                          | K-1000-3    | 2        |
| 2 .  | Teleflex Retainer Bracket                | KSCS0001    | 1        |
| 3 .  | Elevator - RH *                          | KAEL0007    | 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   | 10       |
| 9 .  | 3/32" Aluminum Pop Rivet                 | 40APR1/8    | 30       |
| 10 . | 1/8" Aluminum Pop Rivet - Cherry Q       | AAPQ-41     | 22       |
| 11 . | 3/16" Bolt                               | AN3-10A     | 2        |
| 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 . | Female Rod End                           | NF-3        | 1        |
| 21 . | 3/16" Bolt                               | AN3-6A      | 1        |
| 22 . | 3/16" Shear Nut                          | AN364-1032A | 1        |
| 23 . | Aluminum Bushing, 1/4" x .028 x 1/2" **  | KAAC0002-7  | 0        |
| 24 . | Retaining Plate, 1/8" x 1/2" x 1 1/2" ** | KAAC0002-9  | 0        |

\*Referenced from Tail Group Assembly & Installation.

\*\*Builder must fabricate from raw stock.



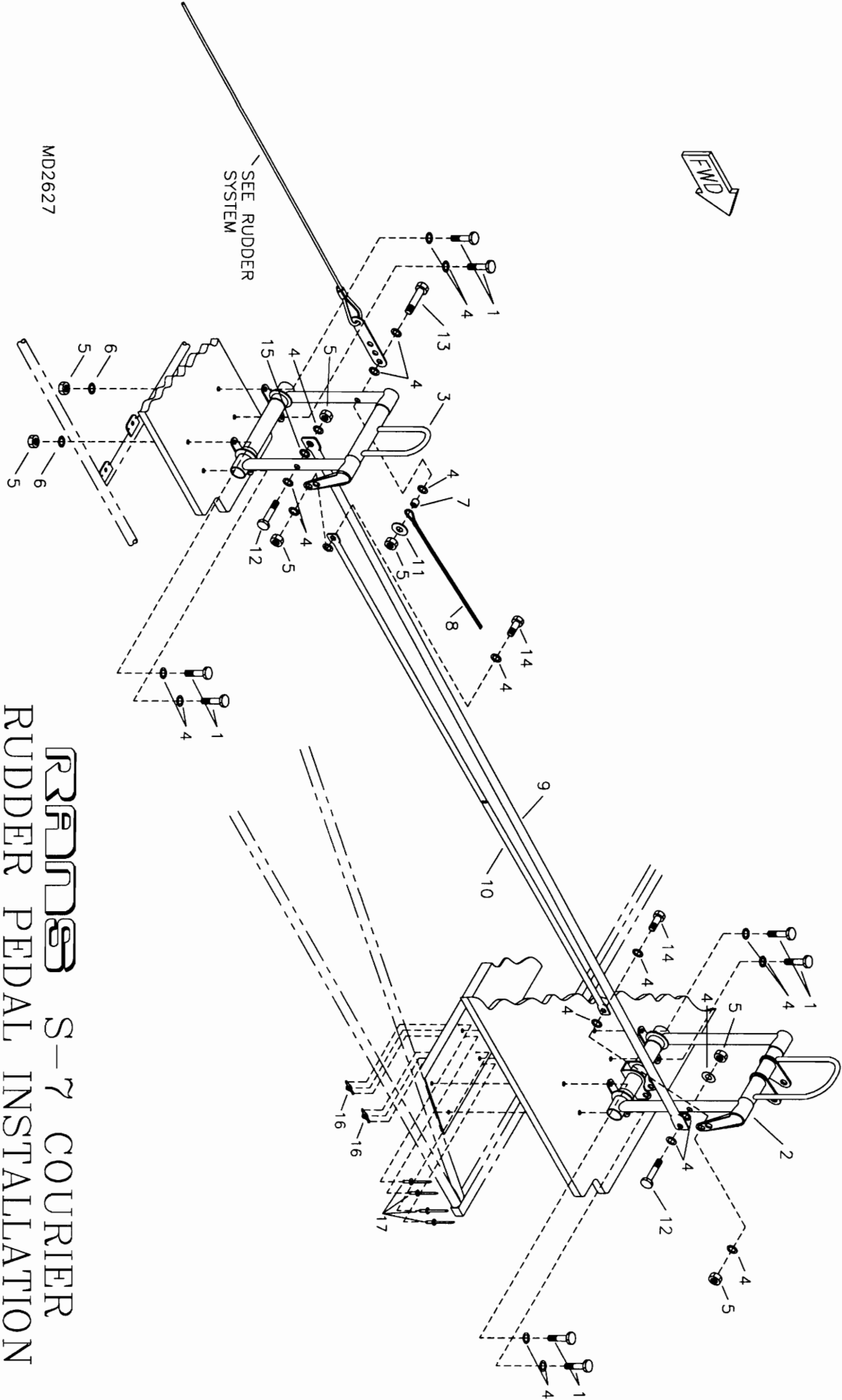
MD2628

# RFD S-7 COURIER FLOORBOARD INSTALLATION

**S-7 COURIER - FLOORBOARD INSTALLATION**

| #   | DESCRIPTION                  | PART NUMBER | QUANTITY |
|-----|------------------------------|-------------|----------|
| 1 . | Floorboard Wear Plates       | KPFU0019    | 2        |
| 2 . | 3/16" Large Wood 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.

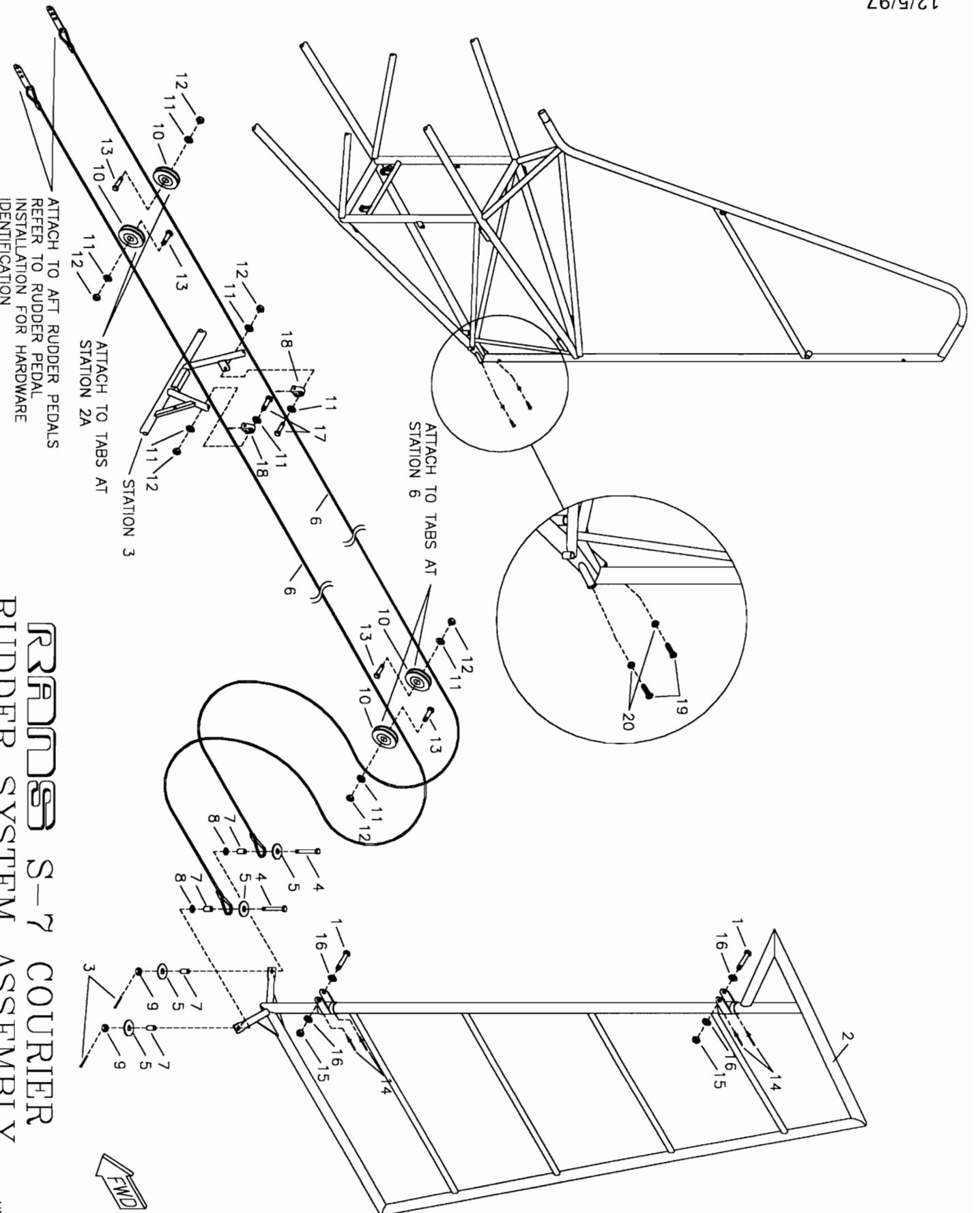


**S-7 COURIER**  
RUDDER PEDAL INSTALLATION

**S-7 COURIER - RUDDER PEDAL INSTALLATION**

| #    | DESCRIPTION                            | PART NUMBER | QUANTITY |
|------|----------------------------------------|-------------|----------|
| 1 .  | 3/16" Bolt                             | AN3-7A      | 16       |
| 2 .  | FWD Rudder Pedal, LH                   | KPCS0034-L  | 1        |
| 2 .  | FWD Rudder Pedal, RH                   | KPCS0034-R  | 1        |
| 3 .  | AFT Rudder Pedal, LH                   | KPCS0033-L  | 1        |
| 3 .  | AFT Rudder Pedal, RH                   | KPCS0033-R  | 1        |
| 4 .  | 3/16" Thin Washer                      | AN960-10L   | 44       |
| 5 .  | 3/16" Shear Nut                        | AN364-1032A | 14       |
| 6 .  | 3/16" Large Wood Washer                | AN970-3     | 4        |
| 7 .  | Aluminum Bushing, 1/4" x .028 x 1/4" * | KAAC0002-7  | 0        |
| 8 .  | Rudder Return Bungee                   | KPCS0042    | 2        |
| 9 .  | Rudder Pedal Push Pull Tube            | KPCS0093    | 2        |
| 10 . | Brake Push Pull Tube                   | KPBS0005    | 2        |
| 11 . | 3/16" Plastic Washer                   | PW-3        | 2        |
| 12 . | 3/16" Bolt                             | AN3-11A     | 4        |
| 13 . | 3/16" Bolt                             | AN3-13A     | 2        |
| 14 . | 3/16" Bolt                             | AN3-3A      | 4        |
| 15 . | 3/16" Thick Washer                     | AN960-10    | 2        |
| 16 . | 3/16" Nut Plate                        | K-1000-3    | 4        |
| 17 . | 3/32" Aluminum Pop Rivet               | 40APR1/8    | 8        |

\*Builder must fabricate from raw stock.



# RRF0008 S-7 COURIER RUDDER SYSTEM ASSEMBLY

**S-7 COURIER - RUDDER SYSTEM ASSEMBLY & INSTALLATION**

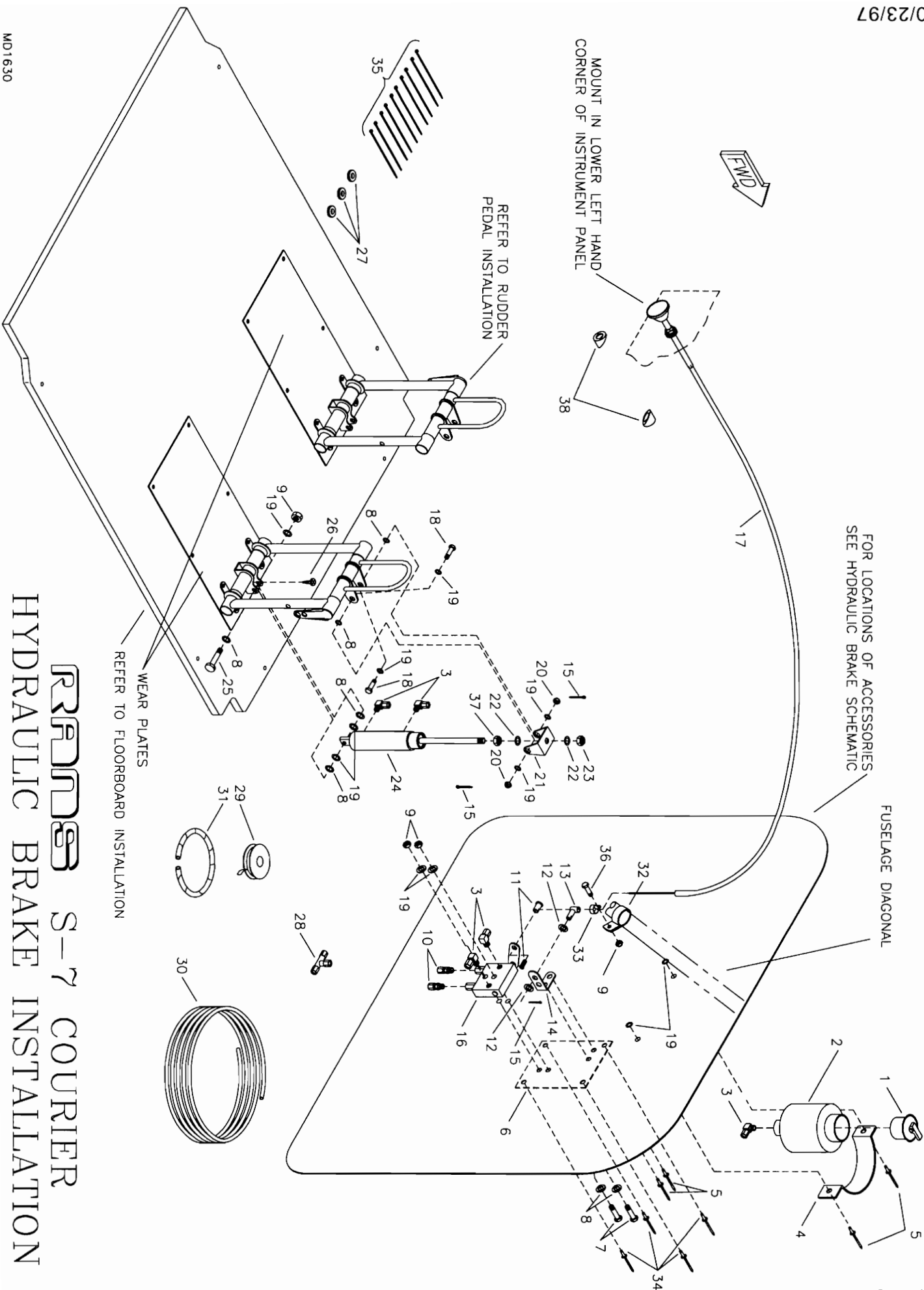
| #    | DESCRIPTION                               | PART NUMBER | QUANTITY |
|------|-------------------------------------------|-------------|----------|
| 1 .  | 1/4" Bolt                                 | AN4-14A     | 2        |
| 2 .  | Rudder Frame                              | KARD0007    | 1        |
| 3 .  | Small Cotter Pin                          | MS24665-134 | 2        |
| 4 .  | 3/16" Bolt                                | AN3-10      | 2        |
| 5 .  | 3/16" Large Wood Washer                   | AN970-3     | 4        |
| 6 .  | Rudder Cable                              | KACS0010    | 2        |
| 7 .  | Aluminum Bushing, 1/4" x .028 x 1/4" *    | KAAC0002-7  | 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   | 8        |
| 12 . | 3/16" Shear Nut                           | AN364-1032A | 6        |
| 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      | 2        |
| 19 . | 1/4" Plain Bolt                           | KSHW0016    | 2        |
| 20 . | 1/4" Plain Nut                            | AN345-416   | 2        |

\*Builder must fabricate from raw stock.



**S-7 COURIER - FIREWALL INSTALLATION**

| #   | DESCRIPTION                        | PART NUMBER | QUANTITY |
|-----|------------------------------------|-------------|----------|
| 1 . | 1/8" Aluminum Pop Rivet - Cherry Q | AAPQ-42     | 12       |
| 2 . | Firewall                           | KPFW0005    | 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        |

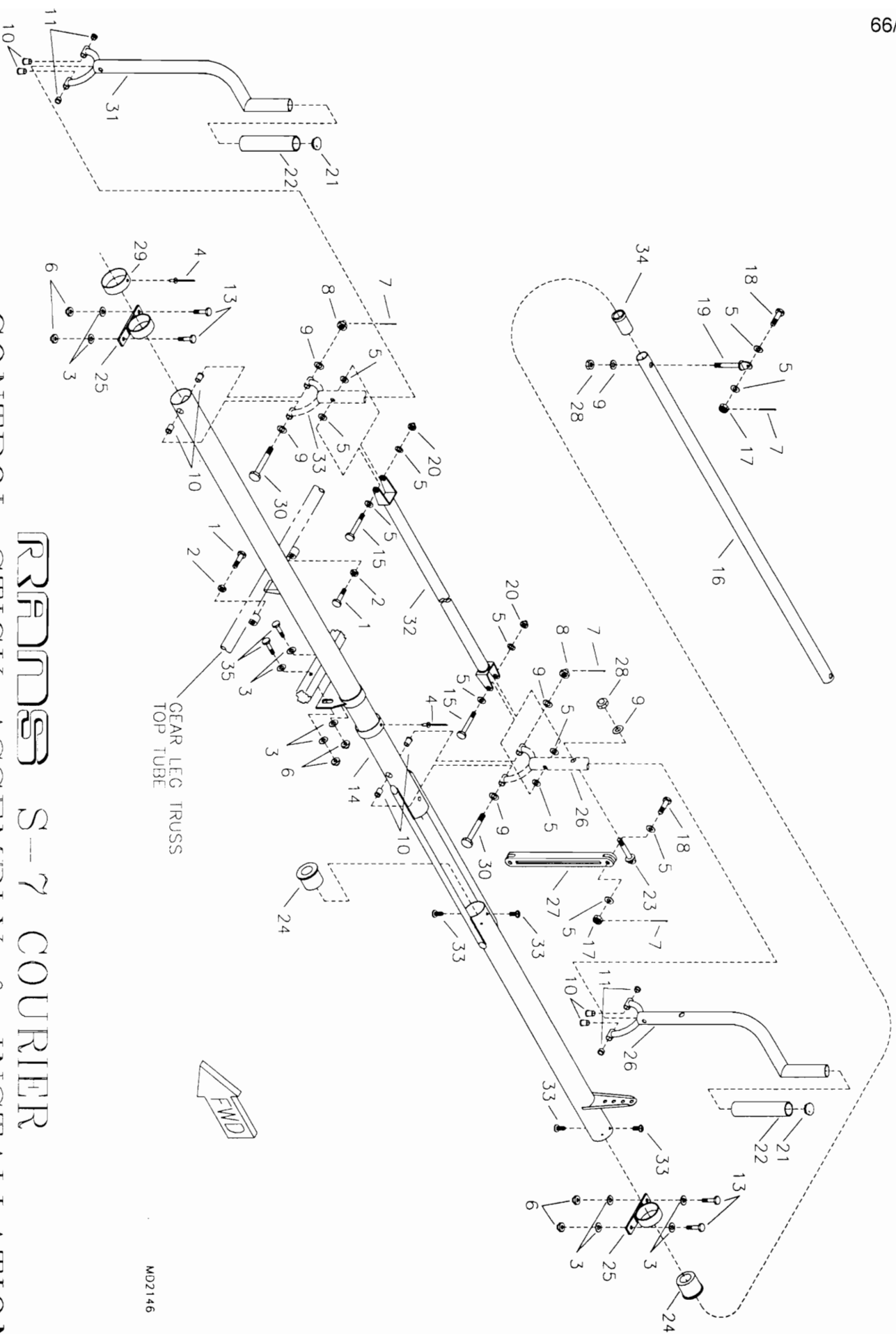


**S-7 COURIER - HYDRAULIC BRAKE INSTALLATION**

| #  | 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        |

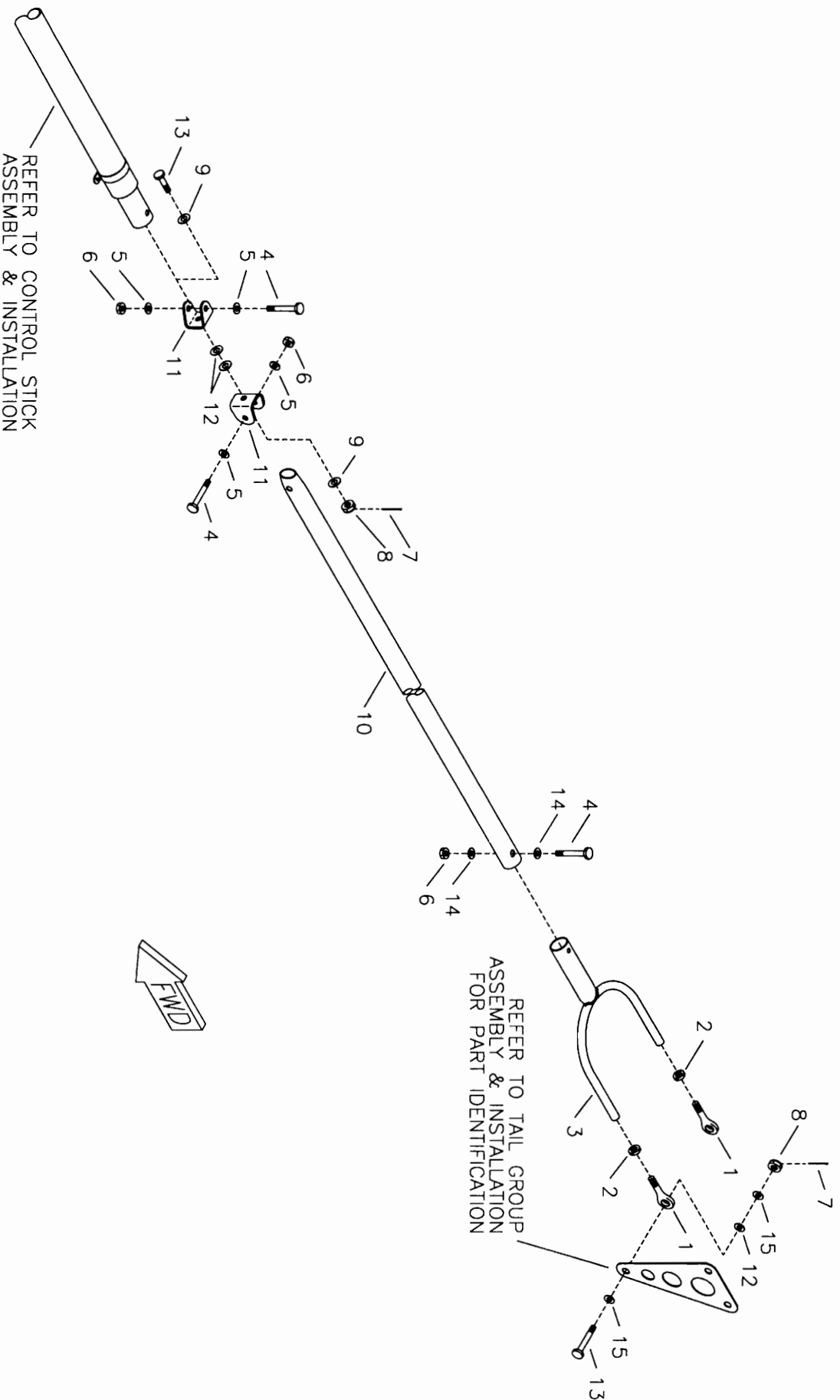
\*Builder supplies.

\*\*Supplied with Brake Cylinder.



**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   | 6        |
| 4  | 1/8" Stainless Steel Pop Rivet - Cherry Q | CCPQ-42     | 2        |
| 5  | 3/16" Thick Washer                        | AN960-10    | 16       |
| 6  | 3/16" Shear Nut                           | AN364-1032A | 6        |
| 7  | Small Cotter Pin                          | MS24665-134 | 4        |
| 8  | 1/4" Castle Nut                           | AN310-4     | 2        |
| 9  | 1/4" Thick Washer                         | AN960-416   | 6        |
| 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                                | AN3-15A     | 2        |
| 16 | Push Pull Tube - Torque Tube              | KPCS0095    | 1        |
| 17 | 3/16" Castle Nut                          | AN310-3     | 2        |
| 18 | 3/16" Bolt                                | AN3-7       | 2        |
| 19 | 1/4" Eyebolt                              | AN43B-13A   | 1        |
| 20 | 3/16" Shear Acorn Nut                     | 22NKM02     | 2        |
| 21 | 7/8" End Cap                              | CS-EC       | 2        |
| 22 | Control Stick Grip                        | CS-G        | 2        |
| 23 | 1/4" Eyebolt                              | AN43B-12A   | 1        |
| 24 | Glide                                     | KPCS0069    | 2        |
| 25 | 1 1/2" Pillow Block                       | KPCS0007    | 2        |
| 26 | Control Stick-AFT                         | KPCS0085    | 1        |
| 27 | 1/2" Linkage Tube                         | KPCS0058    | 1        |
| 28 | 1/4" Tensile Acorn Nut                    | 42NKE-048   | 2        |
| 29 | Pillow Block Stop Ring                    | KPCS0013    | 1        |
| 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                        | KPCS0098    | 1        |
| 35 | 3/16" Bolt                                | AN3-10A     | 2        |



# **REFUND S-7 COURIER ELEVATOR PUSH PULL TUBE ASSEMBLY AND INSTALLATION**

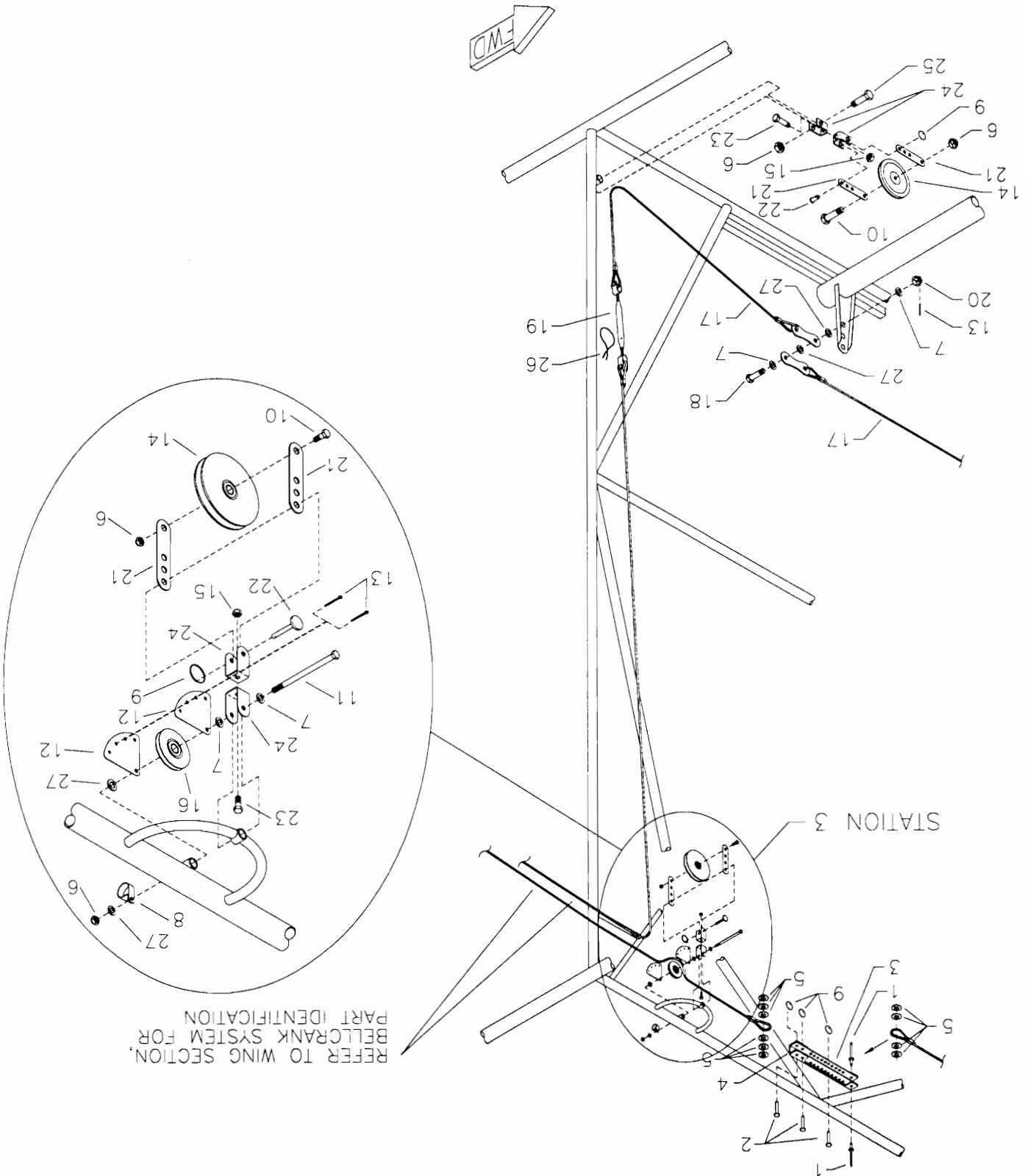
**S-7 COURIER - ELEVATOR PUSH PULL TUBE ASS'Y & INSTALLATION**

| #    | DESCRIPTION                          | PART NUMBER | QUANTITY |
|------|--------------------------------------|-------------|----------|
| 1 .  | Male Rod End, 1/4" x 1/4"            | NM-4        | 2        |
| 2 .  | 1/4" Plain Nut                       | AN345-416   | 2        |
| 3 .  | Elevator Yoke                        | TG-EY       | 1        |
| 4 .  | 3/16" Bolt                           | AN3-15A     | 3        |
| 5 .  | 3/16" Thick Washer                   | AN960-10    | 4        |
| 6 .  | 3/16" Shear Nut                      | AN364-1032A | 3        |
| 7 .  | Small Cotter Pin                     | MS24665-134 | 3        |
| 8 .  | 1/4" Castle Nut                      | AN310-4     | 3        |
| 9 .  | 1/4" Thick Washer                    | AN960-416   | 2        |
| 10 . | 1 1/4" Push Pull Tube                | KPCS0036    | 1        |
| 11 . | Horizontal Stabilizer Attach Bracket | S2-SAB      | 2        |
| 12 . | 1/4" Plastic Washer                  | PW-4        | 4        |
| 13 . | 1/4" Bolt                            | AN4-7       | 3        |
| 14 . | 3/16" Thin Washer                    | AN960-10L   | 2        |
| 15 . | 1/4" Thin Washer                     | AN960-416L  | 4        |

# RRMS S-7 COURIER AILERON CABLE SYSTEM

NOTE: LEFT SIDE OF SYSTEM SHOWN

MD590

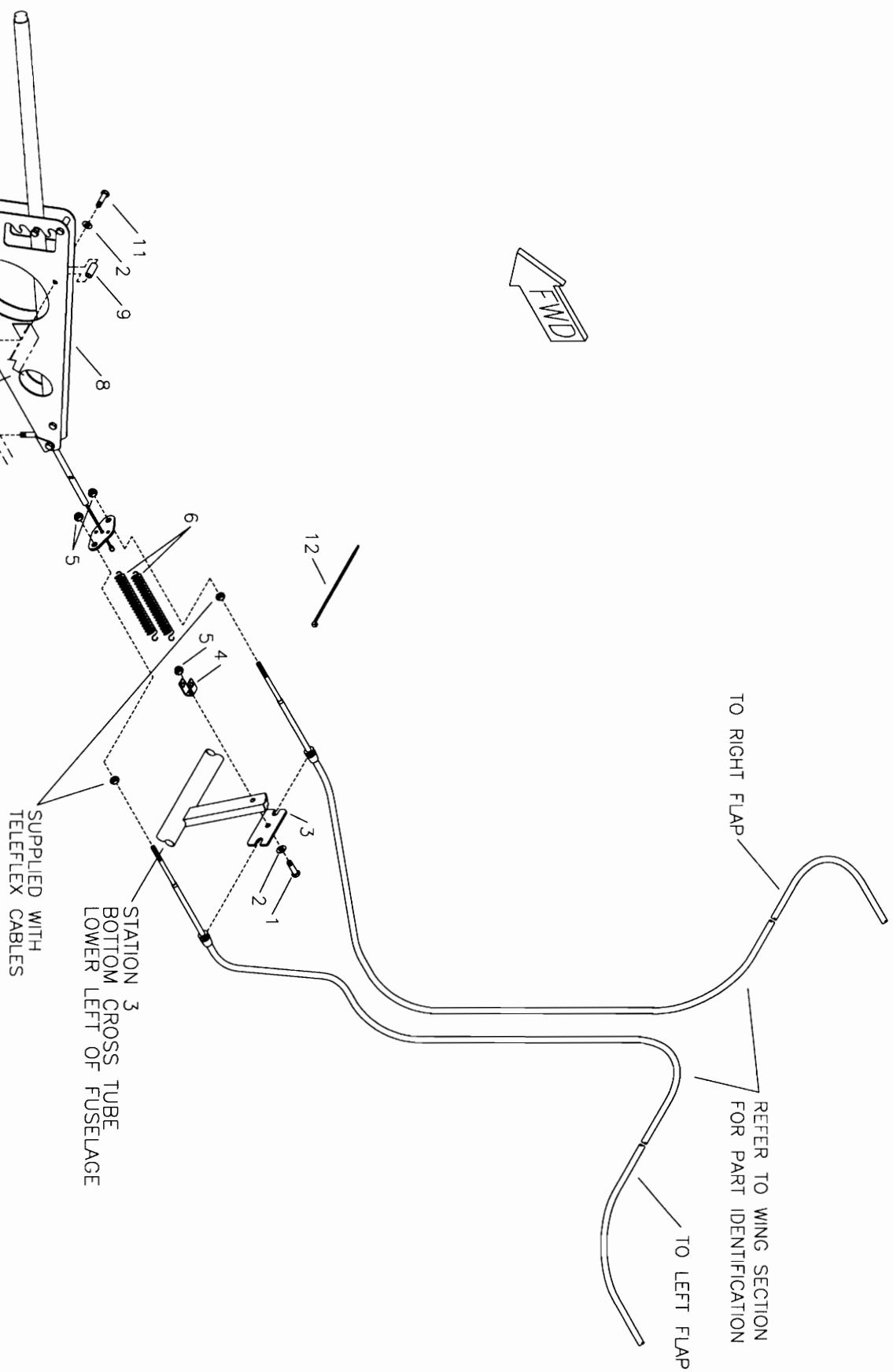


REFER TO WING SECTION,  
BELLCRANK SYSTEM FOR  
PART IDENTIFICATION

**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    | 6        |
| 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     | 6        |

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



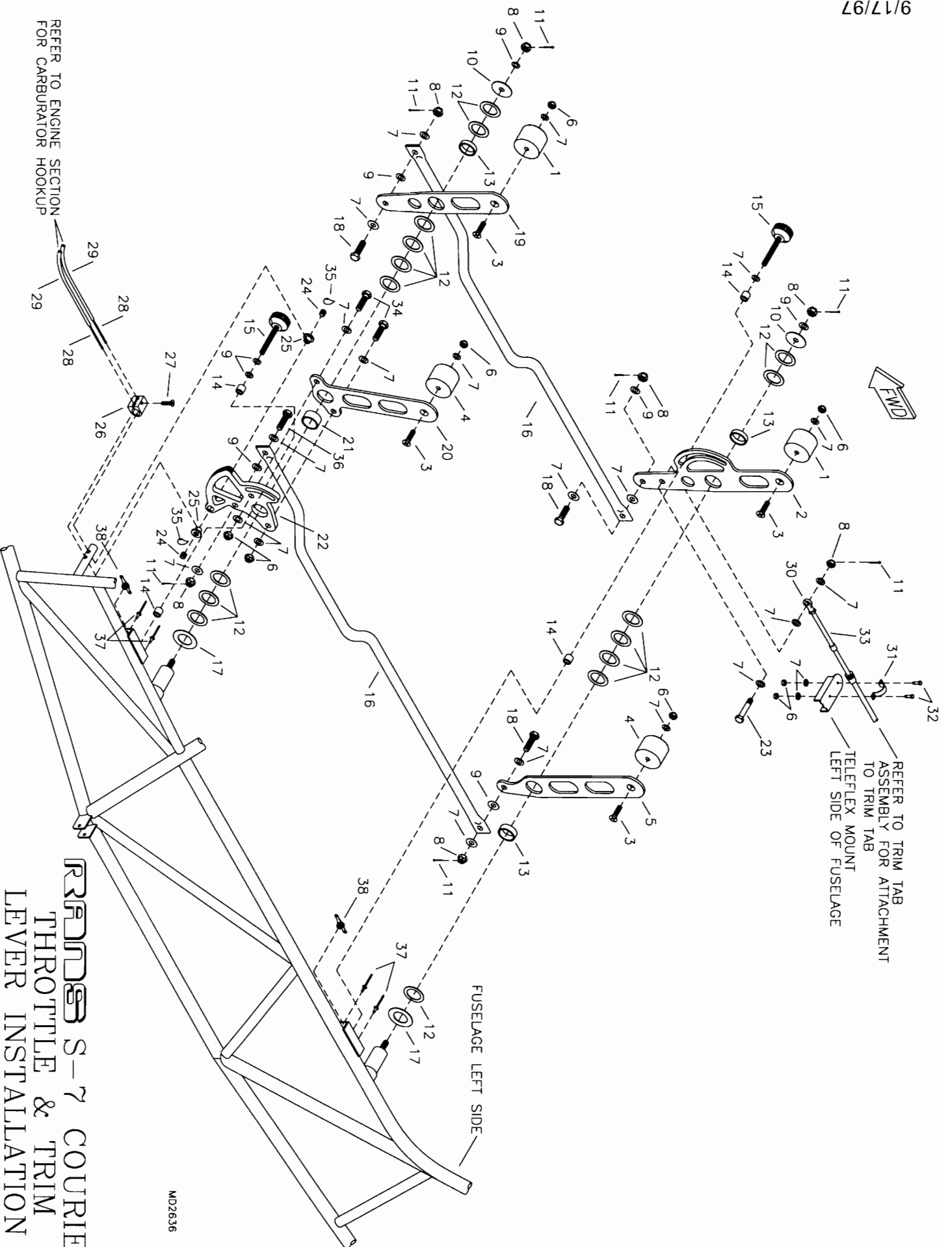
# RRR S-7 COURIER FLAP LEVER ASSEMBLY & INSTALLATION

MD2615

**S-7 COURIER - FLAP LEVER ASSEMBLY INSTALLATION**

| #   | DESCRIPTION                            | PART NUMBER | QUANTITY |
|-----|----------------------------------------|-------------|----------|
| 1.  | 3/16" Bolt                             | AN3-10A     | 1        |
| 2.  | 3/16" Thin Washer                      | AN960-10L   | 5        |
| 3.  | Flap Dual Teleflex Retainer, AFT       | FL-DTR-AFT  | 1        |
| 4.  | Shackle                                | RL-205-T    | 1        |
| 5.  | 3/16" Tensile Nut                      | AN365-1032A | 4        |
| 6.  | Flap Return Spring                     | FL-FLAP-SPR | 2        |
| 7.  | 3/16" Shear Nut                        | AN364-1032A | 2        |
| 8.  | Flap Lever Assembly                    | KACS0018    | 1        |
| 9.  | Aluminum Bushing, 1/4" x .028 x 7/8" * | KAAC0002-7  | 0        |
| 10. | 3/16" Bolt                             | AN3-7A      | 1        |
| 11. | 3/16" Bolt                             | AN3-13A     | 1        |
| 12. | Zip Ties                               | ZIP TIES    | 1        |

\*Builder must fabricate from raw stock.

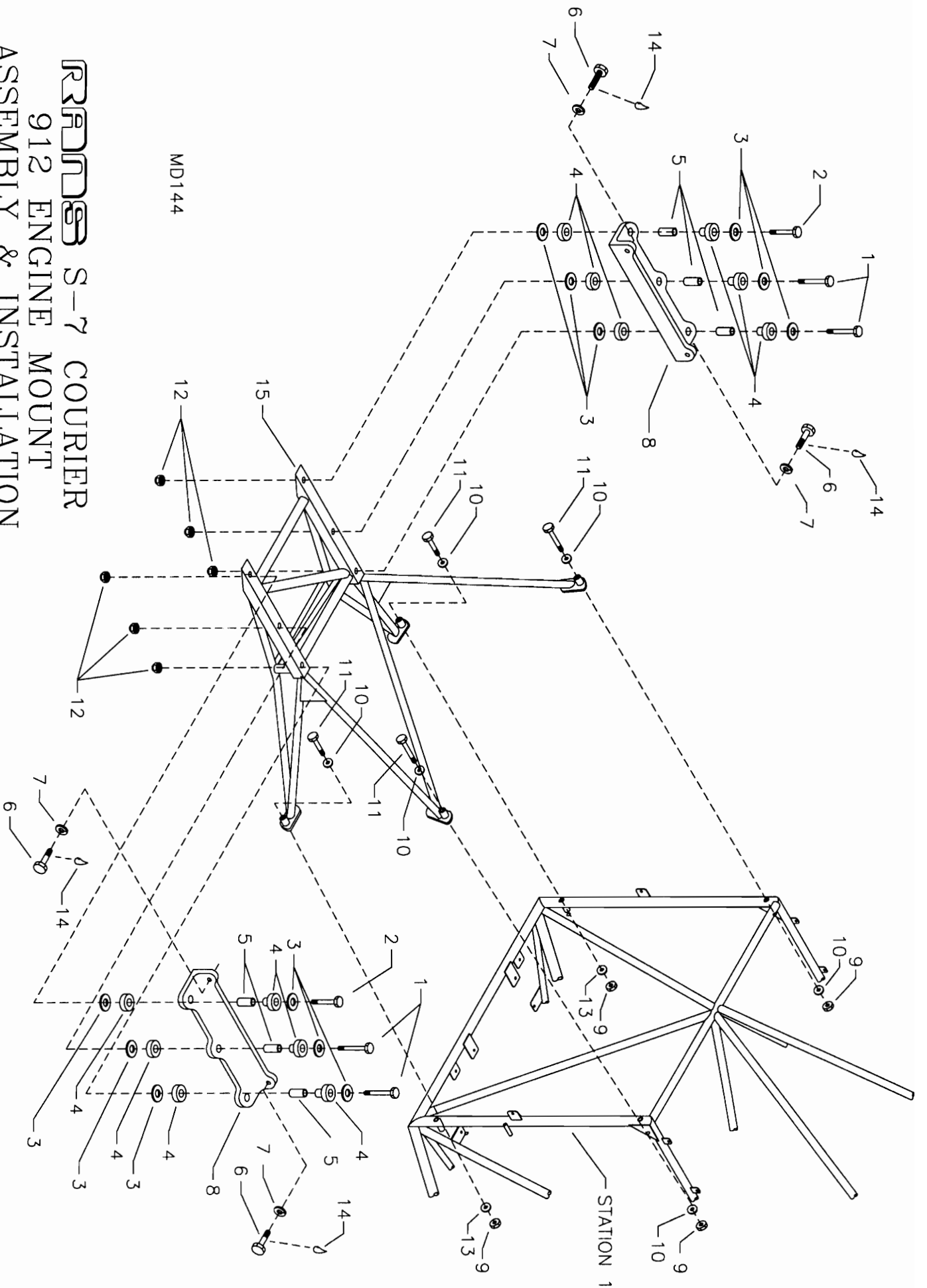


# RRAND S-7 COURIER THROTTLE & TRIM LEVER INSTALLATION

MD2636

**S-7 COURIER - TRIM & THROTTLE LEVER INSTALLATION**

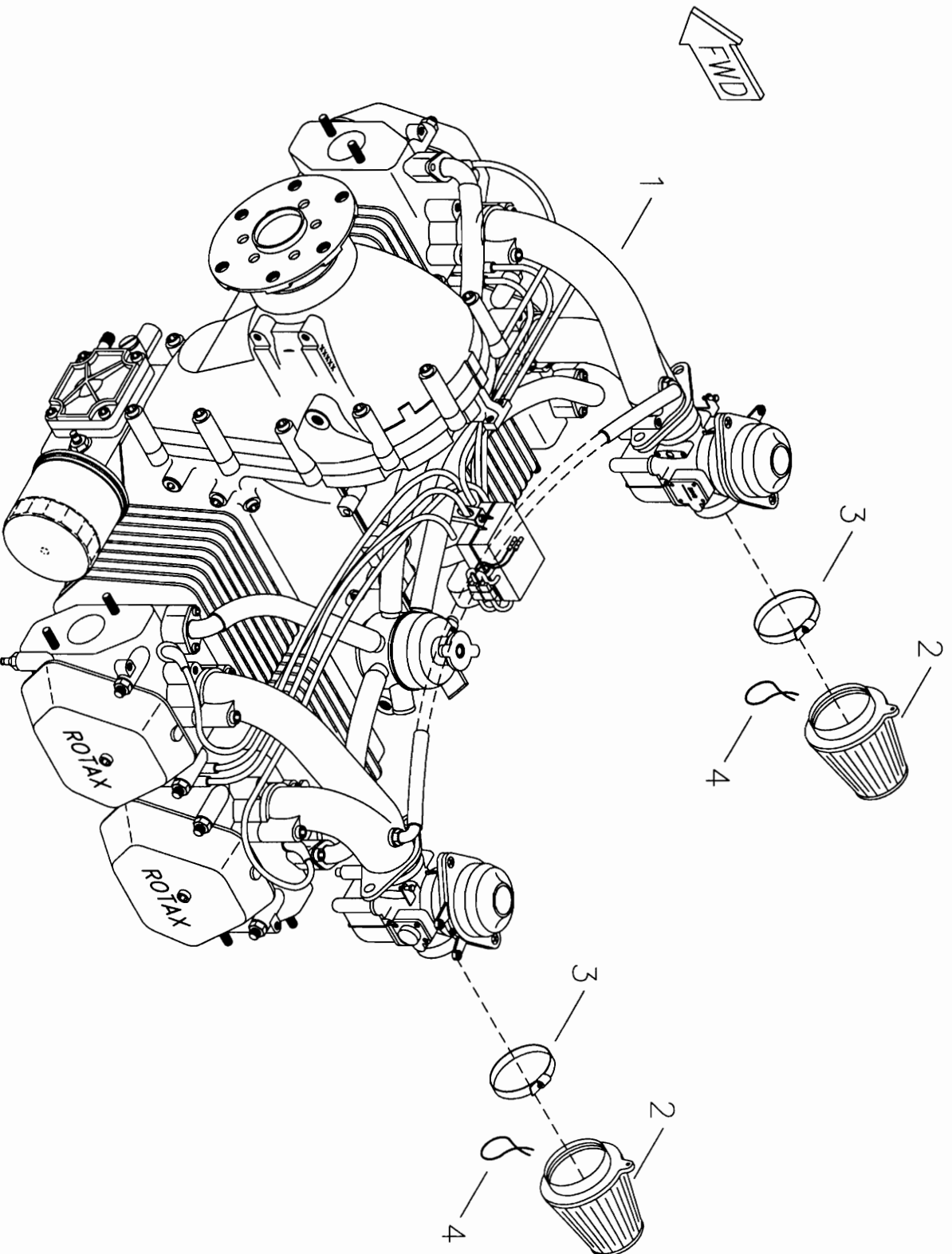
| #   | DESCRIPTION                            | PART NUMBER   | QUANTITY |
|-----|----------------------------------------|---------------|----------|
| 1.  | Trim Lever Knob                        | KPCS0104      | 2        |
| 2.  | AFT Trim Lever                         | KPCS0103      | 1        |
| 3.  | 3/16" Countersunk Machine Bolt         | AN509-1032R14 | 4        |
| 4.  | Throttle Lever Knob                    | KPCS0099      | 2        |
| 5.  | AFT Throttle Lever                     | KPCS0102      | 1        |
| 6.  | 3/16" Shear Nut                        | AN364-1032A   | 6        |
| 7.  | 3/16" Thin Washer                      | AN960-10L     | 25       |
| 8.  | 3/16" Castle Nut                       | AN310-3       | 7        |
| 9.  | 3/16" Thick Washer                     | AN960-10      | 10       |
| 10. | 3/16" Large Washer                     | AN970-3       | 2        |
| 11. | Small Cotter Pin                       | MS24665-134   | 7        |
| 12. | 1/2" Plastic Washer                    | KSAC0005      | 18       |
| 13. | Bushing                                | KPAC0112      | 3        |
| 14. | Roller/Spacer                          | KSHW0042      | 4        |
| 15. | Friction Knob                          | KSAC0012      | 2        |
| 16. | Linkage Tube                           | KPCS0094      | 2        |
| 17. | 1/2" Thick Washer                      | AN960-816     | 2        |
| 18. | 3/16" Bolt                             | AN3-6         | 3        |
| 19. | FWD Trim Lever                         | KPCS0105      | 1        |
| 20. | FWD Throttle Lever                     | KPCS0101      | 1        |
| 21. | Bushing                                | KPAC0111      | 1        |
| 22. | Throttle Cable Guide                   | KPCS0100      | 1        |
| 23. | 3/16" Bolt                             | AN3-7         | 1        |
| 24. | Set Screw                              | KSHW0043      | 2        |
| 25. | Cable Stop                             | KSHW0044      | 2        |
| 26. | Throttle Cable Housing Retention Block | KPCS0106      | 1        |
| 27. | Machine Screw                          | MS35206-218   | 1        |
| 28. | Throttle Cable, 65"                    | EG-T-CAB      | 2        |
| 29. | Throttle Cable Housing                 | T-CAB-H       | 12 ft    |
| 30. | Female Rod End                         | NF-3          | 1        |
| 31. | Teleflex Retainer Bracket              | KSCS0001      | 1        |
| 32. | 3/16" Bolt                             | AN3-4A        | 2        |
| 33. | Teleflex Cable - 14'                   | KSCS0004      | 1        |
| 34. | 3/16" Bolt                             | AN3-7A        | 2        |
| 35. | Loctite Blue                           | LOC-TITE      | 0        |
| 36. | 3/16" Bolt                             | AN3-10        | 1        |
| 37. | 3/32" Aluminum Pop Rivet               | 40APR1/8      | 4        |
| 38. | 3/16" Nut Plate                        | K-1000-3      | 2        |



**REPO S-7 COURIER**  
**912 ENGINE MOUNT**  
**ASSEMBLY & INSTALLATION**

**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 Angles                  | 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                         | EG-MT-912-7    | 1        |



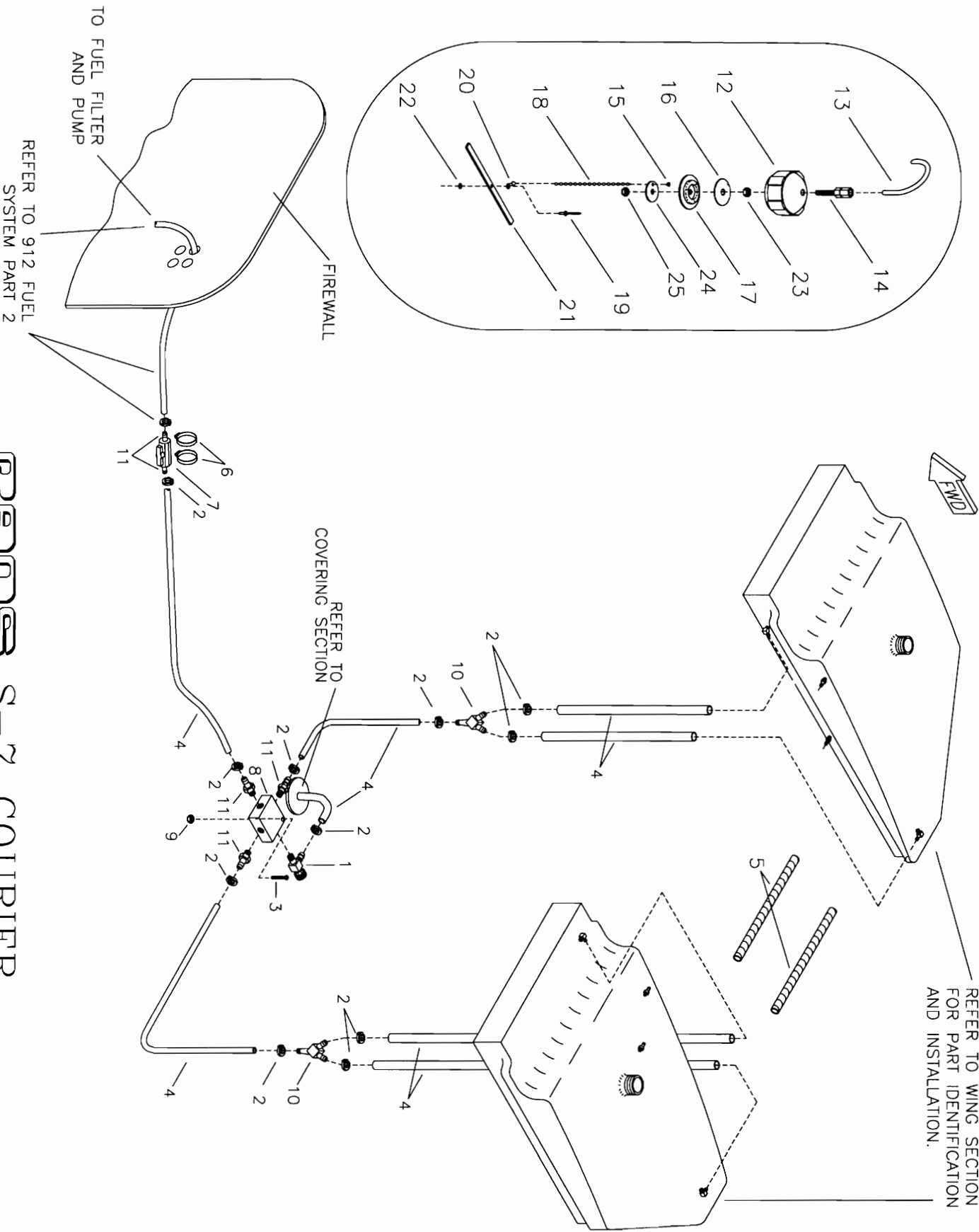
# ROTAX S-7 COURIER 912 ENGINE

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.

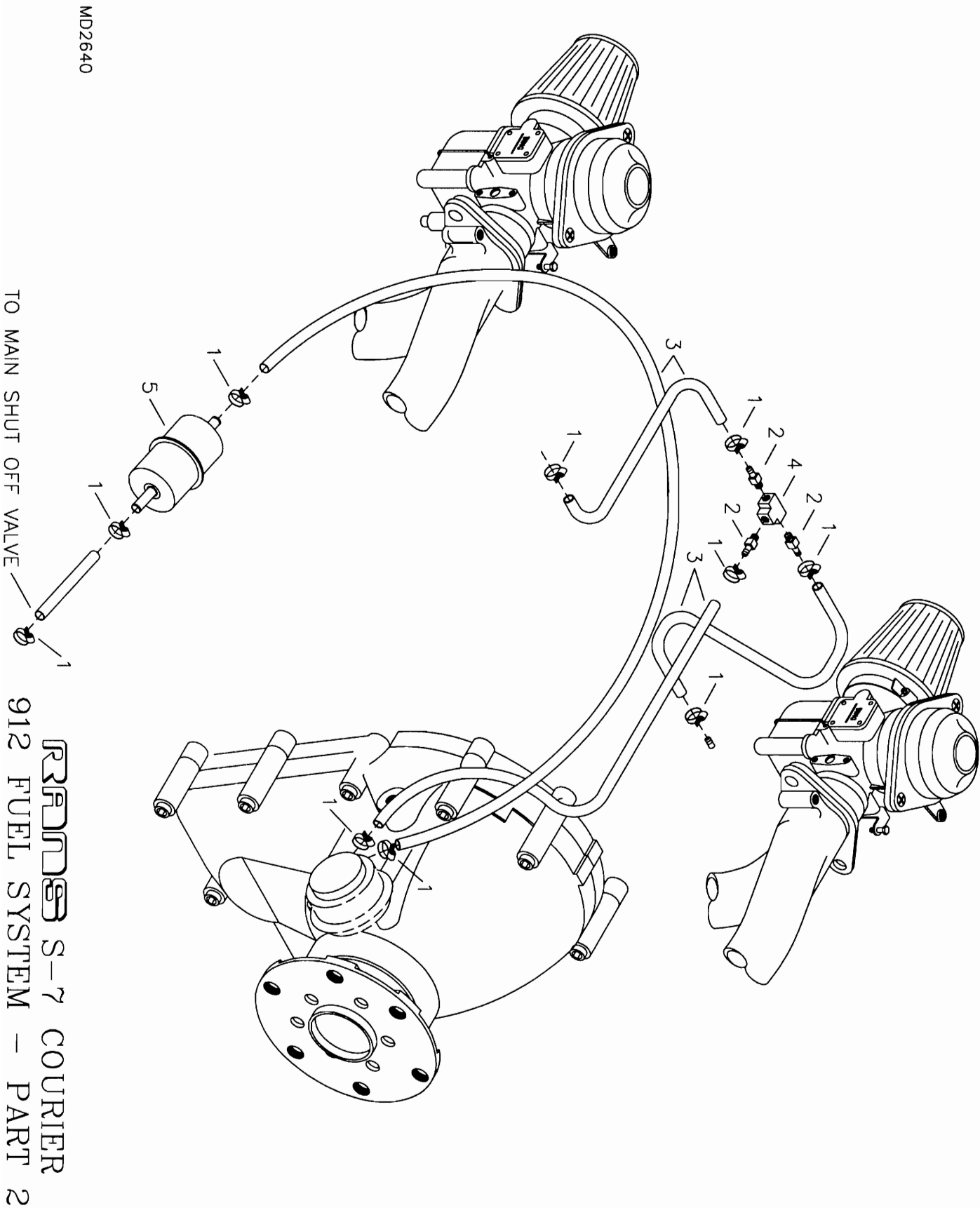


# RRR S-7 COURIER 912 FUEL SYSTEM PART 1

**S-7 COURIER - 912 FUEL SYSTEM - PART 1**

| #    | DESCRIPTION                               | PART NUMBER     | QUANTITY |
|------|-------------------------------------------|-----------------|----------|
| 1 .  | Sump Drain Valve                          | 8336            | 1        |
| 2 .  | Line Clamp, 3/8"                          | FS-LCL 3/8      | 11       |
| 3 .  | 8 x 32 Bolt                               | AN526-832R16    | 1        |
| 4 .  | 1/4" Blue Fuel Line                       | FS-FL           | 25 ft    |
| 5 .  | Coil Wrap                                 | 1/2 SPIRAL LOOM | 2 ft     |
| 6 .  | Hose Clamp, 1 1/4"                        | 5-5212          | 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        | 2        |
| 17 . | Rubber Gasket *                           | KSFS0013        | 2        |
| 18 . | #3 Bead Chain                             | KSHW0012        | 14 in    |
| 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 Wood Washer                    | AN970-4         | 2        |
| 25 . | 1/4" Shear Nut                            | AN364-428C      | 2        |

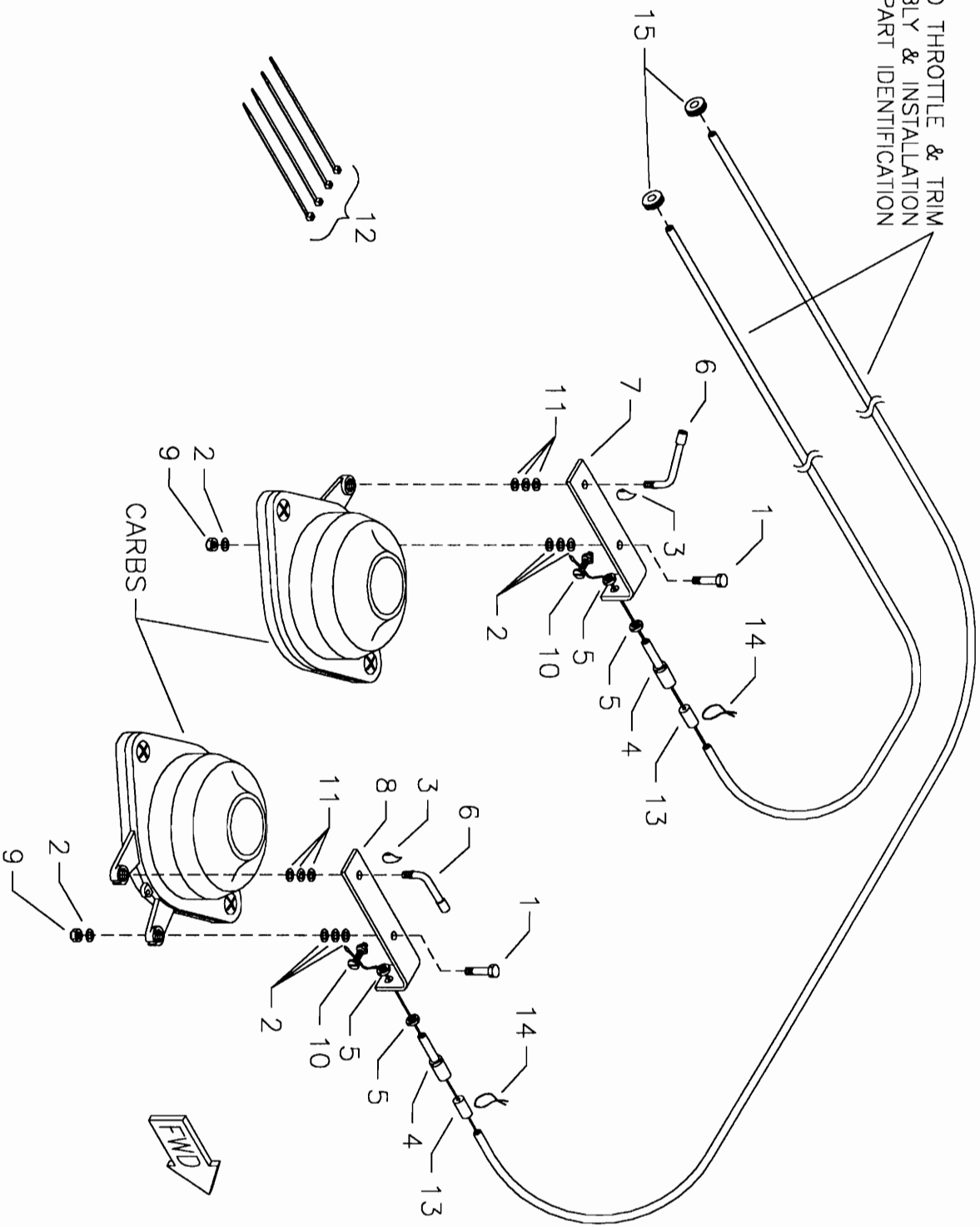
\*Supplied with Fuel Cap.



**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 & TRIM  
LEVER ASSEMBLY & INSTALLATION  
FOR PART IDENTIFICATION



Red Bull S-7 COURIER  
912 THROTTLE HOOK UP-CARBURATOR SIDE

**S-7 COURIER - 912 THROTTLE HOOKUP - CARBURETOR SIDE**

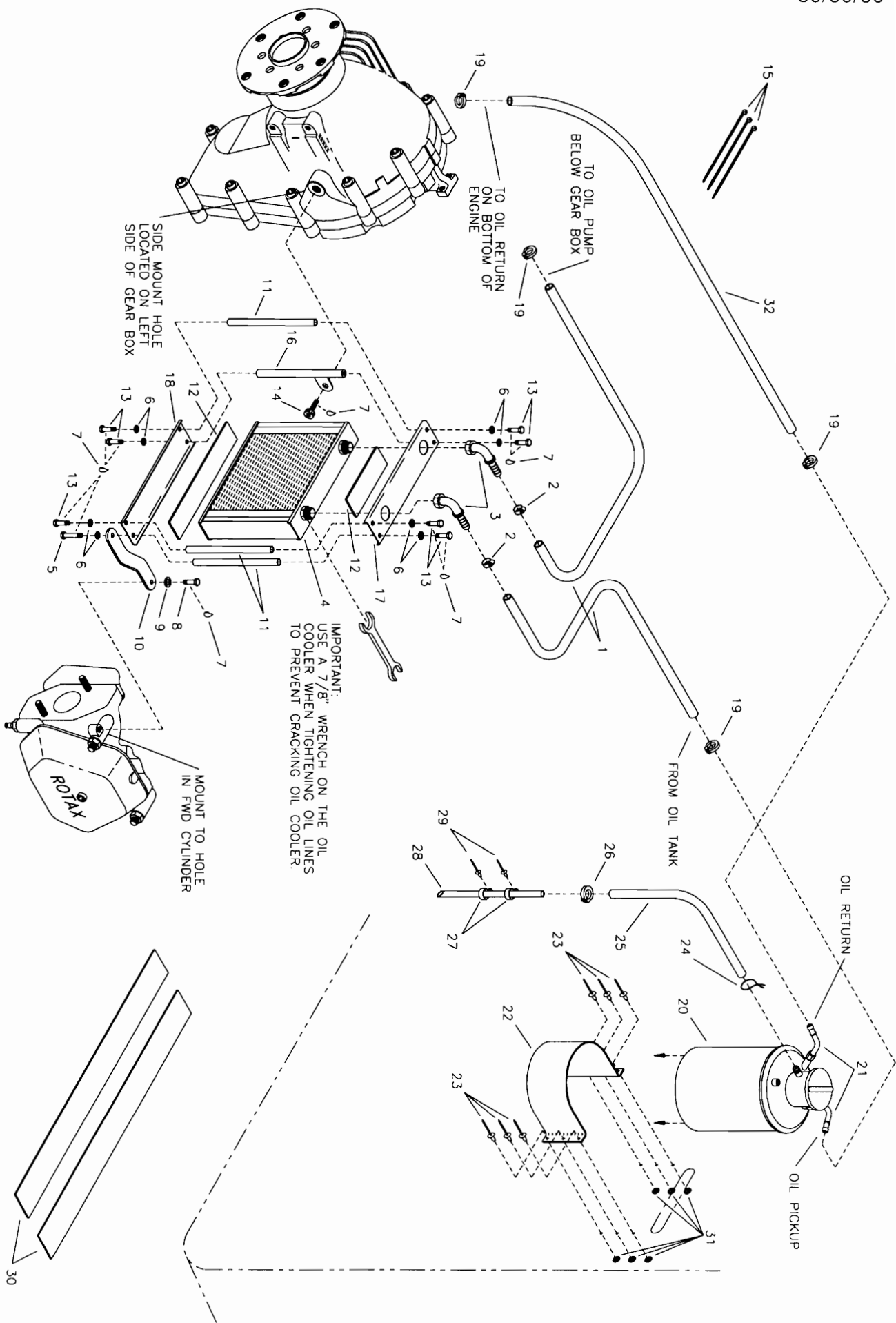
| #    | DESCRIPTION                  | PART NUMBER  | QUANTITY |
|------|------------------------------|--------------|----------|
| 1 .  | 3/16" Bolt                   | AN3-7A       | 2        |
| 2 .  | 3/16" Thick Washer           | AN960-10     | 8        |
| 3 .  | Loctite Blue               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

\*Supplied with Engine.



**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 OIL COOLER ASSEMBLY & INSTALLATION

**S-7 COURIER - 912 OIL COOLER ASSEMBLY & INSTALLATION**

| #    | DESCRIPTION                               | PART NUMBER    | QUANTITY |
|------|-------------------------------------------|----------------|----------|
| 1 .  | Oil Line *                                | -----          | 0        |
| 2 .  | Hose Clamp                                | 5-6203         | 2        |
| 3 .  | 90 Fitting                                | KSPW0002       | 2        |
| 4 .  | Oil Cooler                                | KSPW0001       | 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                     | KPPW0023       | 1        |
| 11 . | Threaded Bushing                          | KPPW0073       | 3        |
| 12 . | 1 1/2" Foam Tape                          | KSAC0017       | 1 ft     |
| 13 . | 3/16" Bolt                                | AN3-3A         | 7        |
| 14 . | 10MM X 20MM Bolt                          | 10MMX20MM      | 1        |
| 15 . | Zip Ties                                  | ZIP TIES       | 3        |
| 16 . | Oil Cooler Mount                          | KPPW0075       | 1        |
| 17 . | Upper Oil Cooler Mount                    | KPPW0071       | 1        |
| 18 . | Lower Oil Cooler Mount                    | KPPW0072       | 1        |
| 19 . | Hose Clamp *                              | -----          | 0        |
| 20 . | Oil Tank *                                | -----          | 0        |
| 21 . | Oil Tank 90 Fitting *                     | -----          | 0        |
| 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" **       | KAAC0002-7     | 0        |
| 29 . | 3/16" Aluminum Pop Rivet - Cherry Q       | AAPQ-62        | 2        |
| 30 . | 2" Wide Neoprene Gap Seal, 52"            | 2GS-52         | 3 ft     |
| 31 . | 1/8" Small Brass Washer                   | AN960-B4       | 6        |
| 32 . | Oil Line                                  | KSPW0031       | 4 ft     |

\*Supplied with Engine.

\*\*Builder must fabricate from raw stock.



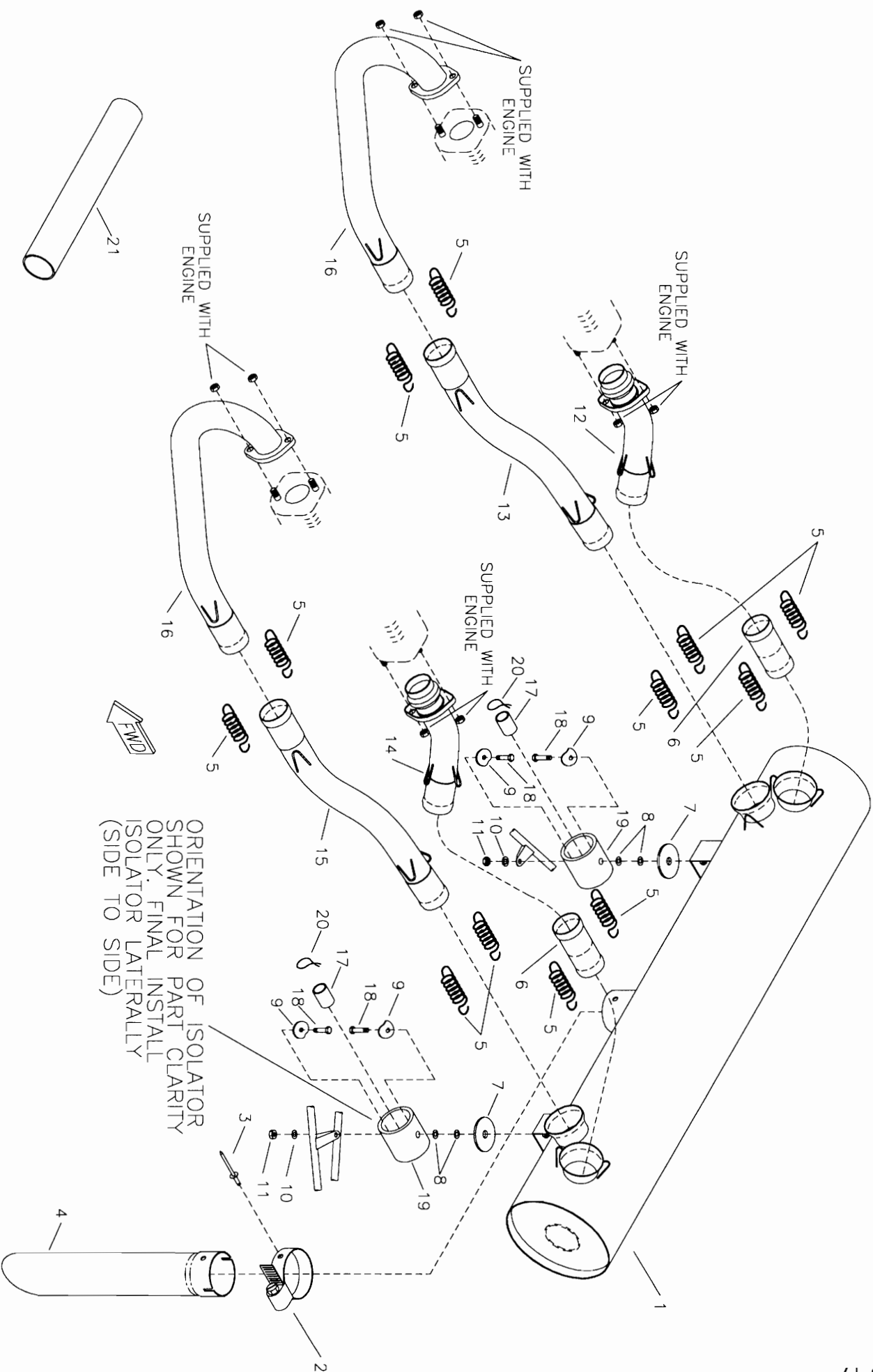
**S-7 COURIER - 912 COOLING SYSTEM ASSEMBLY & INSTALLATION**

| #    | 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" *  | KAAC0002-7   | 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.

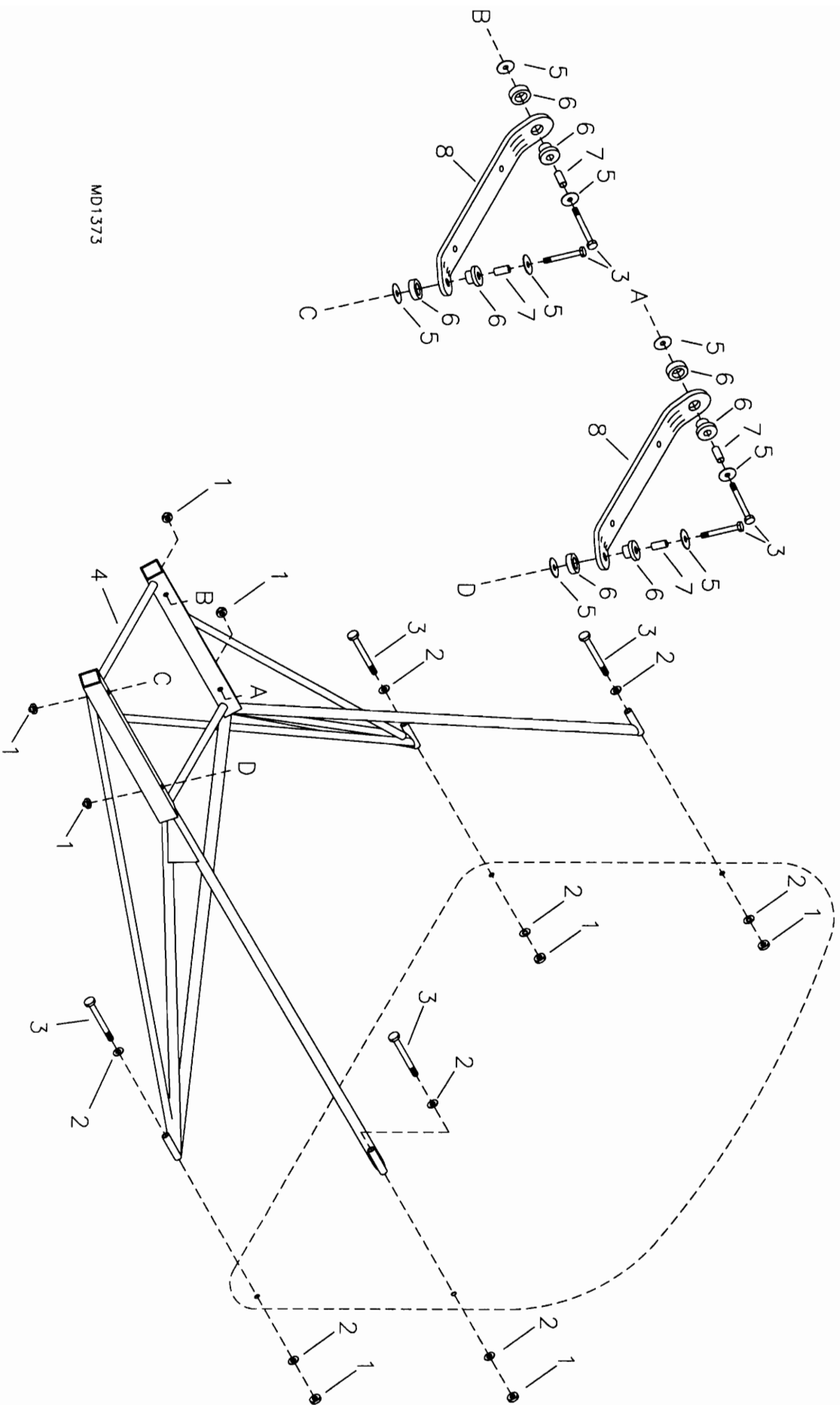


# 912 MUFFLER ASSEMBLY AND INSTALLATION

**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.

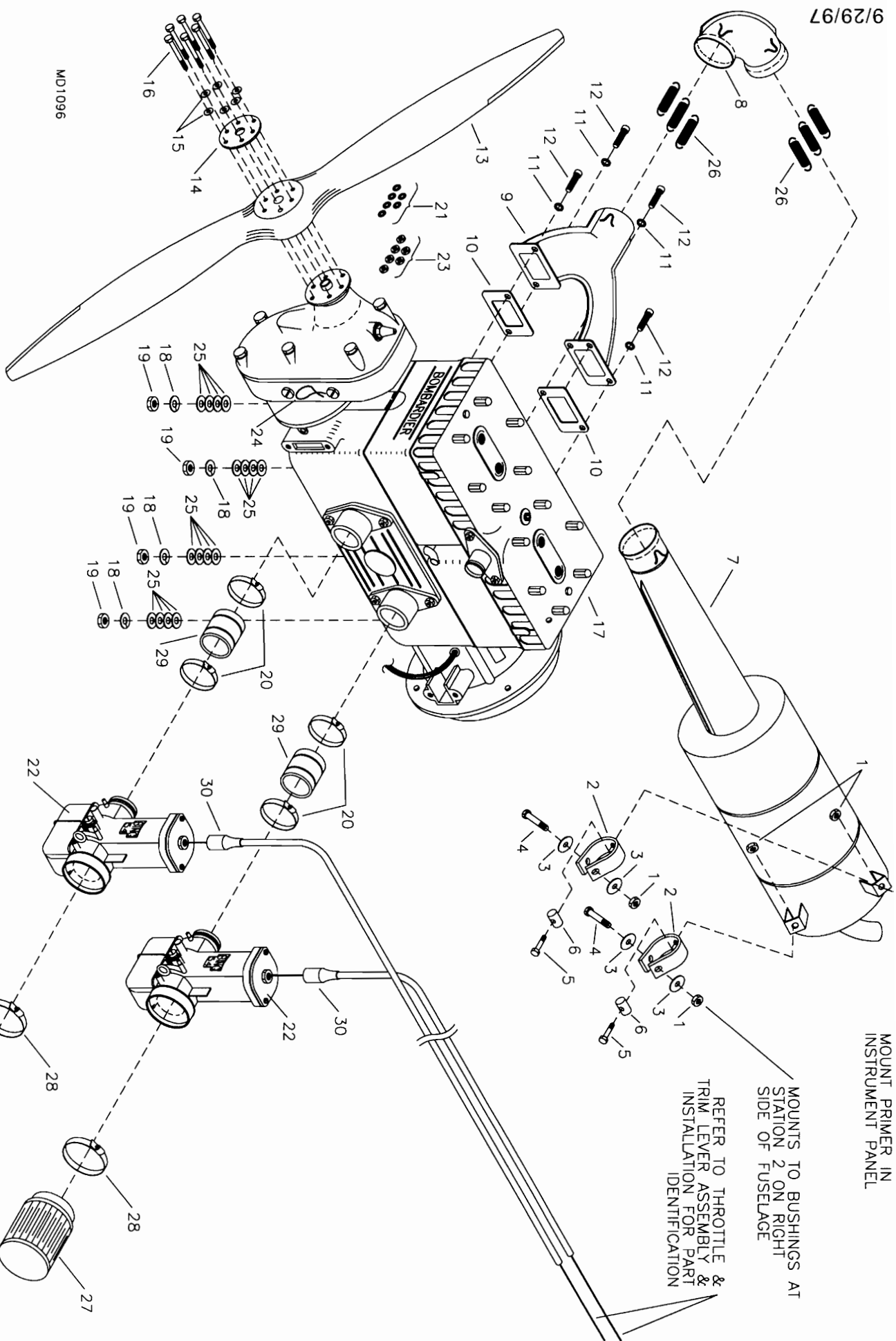


MD1373

# 582 FOCALIZED ENGINE MOUNT ASSEMBLY & INSTALLATION

**S-7 COURIER - 582 FOCALIZED ENGINE MOUNT ASSEMBLY & INSTALLATION**

| #   | DESCRIPTION            | PART NUMBER    | QUANTITY |
|-----|------------------------|----------------|----------|
| 1 . | 1/4" Tensile Nut       | AN365-428A     | 8        |
| 2 . | 1/4" Thick Washer      | AN960-416      | 8        |
| 3 . | 1/4" Bolt              | AN4-27A        | 8        |
| 4 . | Focalized Engine Mount | EG-FM-582(7)   | 1        |
| 5 . | Aluminum Washer        | EG-AW          | 8        |
| 6 . | Barry Mount            | 22001          | 4        |
| 7 . | Bushing                | EG-B-3/8X1 1/8 | 4        |
| 8 . | Focalized Mount Plate  | EG-FOMP        | 2        |



# P-3000 S-7 COURIER 582 ENGINE/PROP/MUFFLER INSTALLATION

**S-7 COURIER - 582 ENGINE/PROP/MUFFLER INSTALLATION**

| #    | DESCRIPTION                          | PART NUMBER           | QUANTITY |
|------|--------------------------------------|-----------------------|----------|
| 1 .  | 3/16" Tensile Nut                    | AN365-1032A           | 4        |
| 2 .  | Rubber Strap, 2" x 7" x 3/8"         | EG-RS-582             | 2        |
| 3 .  | 3/16" Large Wood Washer              | AN970-3               | 4        |
| 4 .  | 3/16" Bolt                           | AN3-17A               | 2        |
| 5 .  | 3/16" Bolt                           | AN3-10A               | 2        |
| 6 .  | Aluminum Bushing, 1/2" x .035 x 1" * | KAAC0002-1            | 0        |
| 7 .  | Muffler, 582                         | EG-MUFF               | 1        |
| 8 .  | Muffler Elbow, 582                   | EG-MUFF-ELBOW-503/582 | 1        |
| 9 .  | Exhaust Manifold, 582                | KSEX0007              | 1        |
| 10 . | Exhaust Gasket **                    | -----                 | 0        |
| 11 . | 10MM Loc Washer **                   | -----                 | 0        |
| 12 . | 10MM Shoulder Screw **               | -----                 | 0        |
| 13 . | Propeller                            | EG-PROP               | 1        |
| 14 . | Prop Plate **                        | -----                 | 0        |
| 15 . | 1/4" Thick Washer                    | AN960-416             | 6        |
| 16 . | 1/4" Bolt (-6 9" Spinner)            | AN4-32A               | 6        |
| 16 . | 1/4" Bolt (-6 Without Spinner)       | AN4-35A               | 6        |
| 17 . | Rotax 582 Engine                     | EG-EG-582             | 1        |
| 18 . | Engine Loc Washer **                 | -----                 | 0        |
| 19 . | Engine Stud Nut **                   | -----                 | 0        |
| 20 . | Carb Clamp **                        | -----                 | 0        |
| 21 . | 1/4" Thin Washer                     | AN960-416L            | 6        |
| 22 . | Bing Carburetor **                   | -----                 | 0        |
| 23 . | 1/4" Tensile Nut                     | AN365-428A            | 6        |
| 24 . | Safety Wire                          | SAFETY WIRE           | 0        |
| 25 . | 3/8" Thick Washer                    | AN960-616             | 16       |
| 26 . | Muffler Spring, 582 **               | -----                 | 0        |
| 27 . | Air Filter, K & N                    | EG-AF                 | 2        |
| 28 . | Air Filter Clamp ***                 | -----                 | 0        |
| 29 . | Carburetor Boot **                   | -----                 | 0        |
| 30 . | Throttle Cable Housing Boot **       | -----                 | 0        |

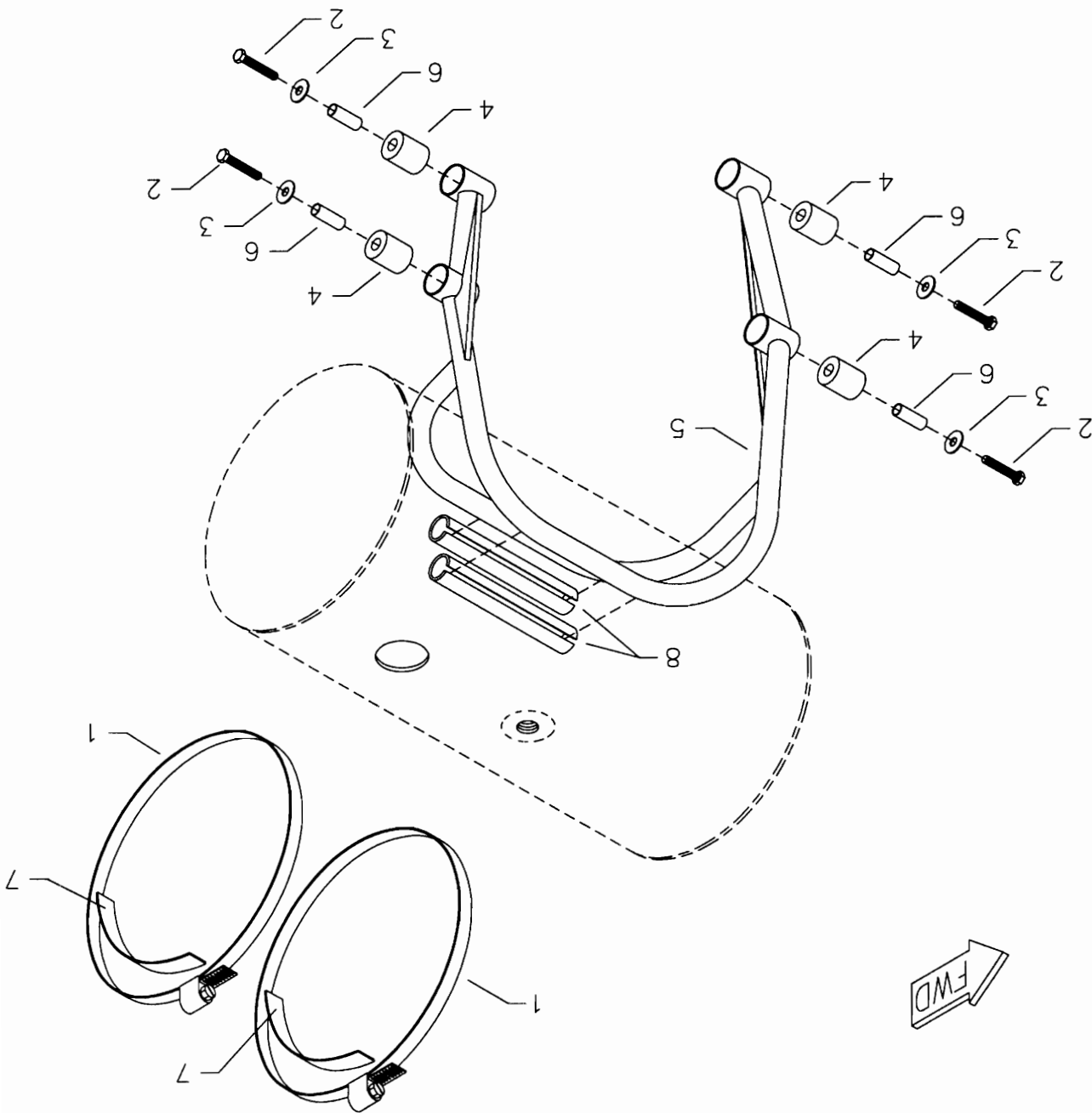
\*Builder must fabricate from raw stock.

\*\*Supplied with Engine.

\*\*\*Supplied with Air Filter.

# RPM S-7 COURIER OIL INJECTION TANK MOUNT

MD2639

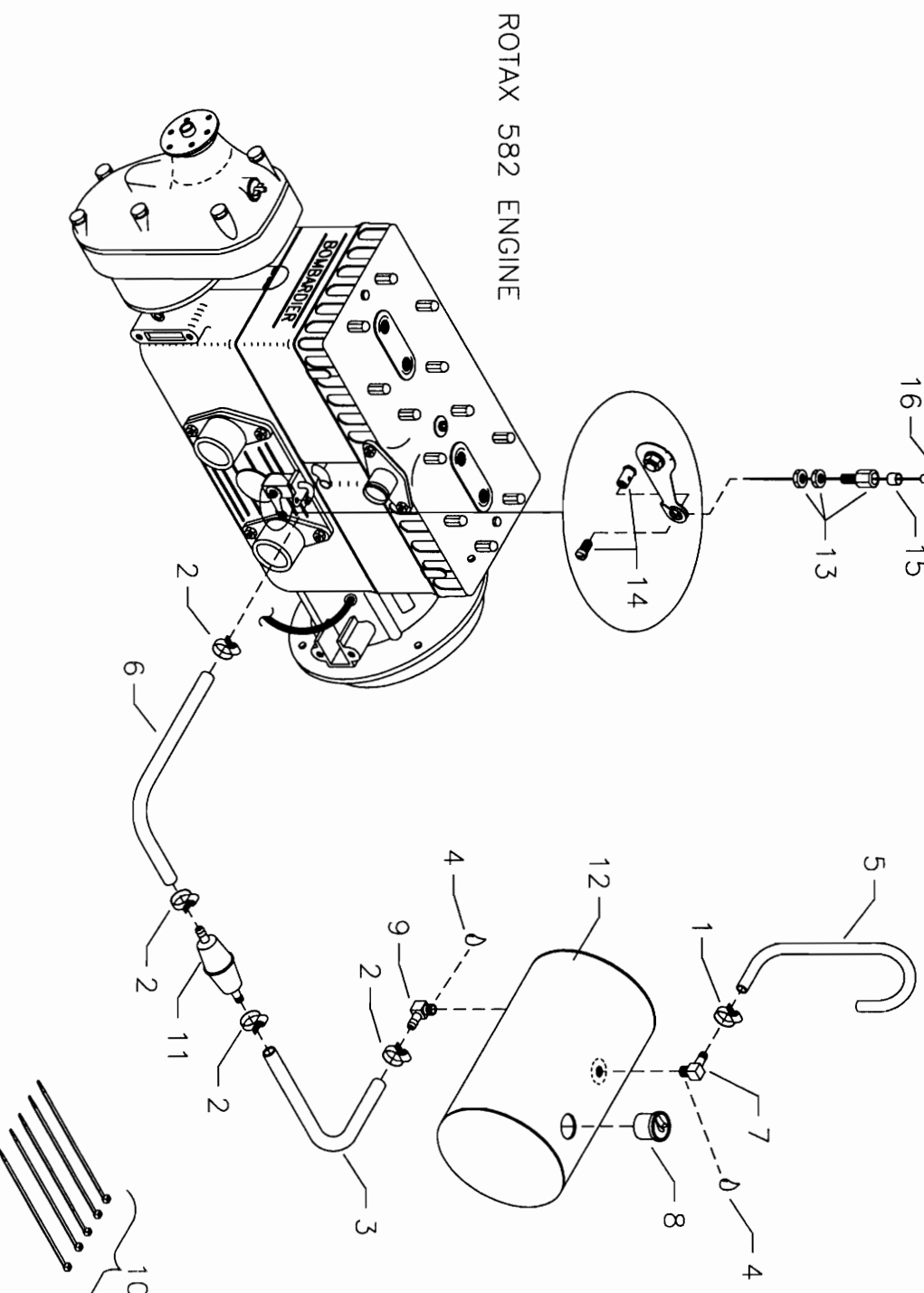


**S-7 COURIER - OIL INJECTION TANK MOUNT - 582**

| #   | DESCRIPTION               | PART NUMBER   | QUANTITY |
|-----|---------------------------|---------------|----------|
| 1 . | SST-Clamp                 | SST-CLAMP-550 | 2        |
| 2 . | 8MM X 35MM Bolt           | M8X35         | 4        |
| 3 . | 3/16" Large Wood Washer * | AN970-3       | 4        |
| 4 . | Rubber Hose               | OI-RH3/4      | 4        |
| 5 . | Oil Tank Mount            | OI-OTMT       | 1        |
| 6 . | Rubber Hose               | OI-RH7/16     | 4        |
| 7 . | Neoprene Strip *          | 2GS-6         | 3 ft     |
| 8 . | 7/16" Black Fuel Line     | KSFS0005      | 2 ft     |

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

REFER TO THROTTLE & TRIM  
LEVER INSTALLATION FOR PART  
IDENTIFICATION

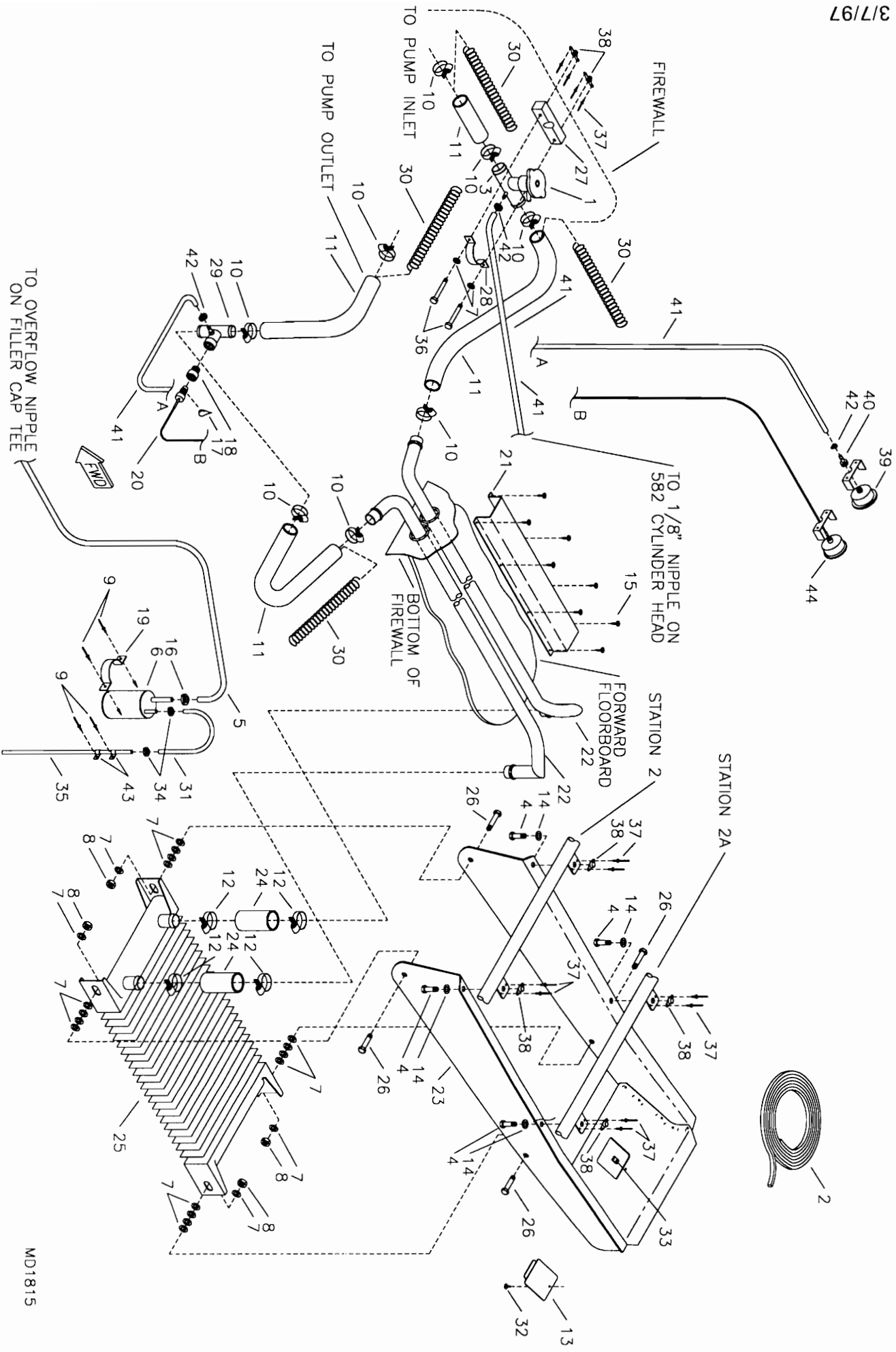


MD845

# REDNOS S-7 COURIER OIL INJECTION SYSTEM - 582

**S-7 COURIER - OIL INJECTION SYSTEM - 582**

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



# 582 COOLING SYSTEM ASSEMBLY & INSTALLATION

**S-7 COURIER - 582 ENGINE COOLING SYSTEM ASSEMBLY & INSTALLATION**

| #    | DESCRIPTION                             | PART NUMBER   | QUANTITY |
|------|-----------------------------------------|---------------|----------|
| 1 .  | Filler Tank Cap *                       | -----         | 1        |
| 2 .  | Foam Tape, 3/8" x 1/2"                  | KSAC0021      | 6 ft     |
| 3 .  | Filler Cap Tee with Nipple              | EGCS-FCT-N    | 1        |
| 4 .  | 3/16" Bolt                              | AN3-4A        | 4        |
| 5 .  | 5/16" Overflow Hose                     | EGCS-OFH      | 2 ft     |
| 6 .  | Coolant Recovery Bottle                 | EGCS-CRB      | 1        |
| 7 .  | 3/16" Thick Washer                      | AN960-10      | 22       |
| 8 .  | 3/16" Shear Nut                         | AN364-1032A   | 4        |
| 9 .  | 3/16" Aluminum Pop Rivet - Cherry Q     | AAPQ-62       | 4        |
| 10 . | Hose Clamp, 1 1/2"                      | 5-5216        | 8        |
| 11 . | 1" Radiator Hose                        | RADIATOR HOSE | 6 ft     |
| 12 . | Hose Clamp, 1 3/4"                      | 5-5220        | 4        |
| 13 . | Radiator Drain Closure                  | KPPW0025      | 1        |
| 14 . | 3/16" Thin Washer                       | AN960-10L     | 4        |
| 15 . | #6 Small Pan Head Screw                 | 6RX1/2 PHS    | 8        |
| 16 . | Safety Wire                             | SAFETY WIRE   | 0        |
| 17 . | Loctite Blue                            | LOC-TITE      | 0        |
| 18 . | Brass Fitting ***                       | -----         | 0        |
| 19 . | Coolant Recovery Bottle Clamp           | FS-HS         | 1        |
| 20 . | Temperature Probe & Lead ***            | -----         | 0        |
| 21 . | Coolant Line Cap                        | KPPW0077      | 1        |
| 22 . | Coolant Line, LH                        | KPPW0016-LH   | 1        |
| 22 . | Coolant Line, RH                        | KPPW0016-RH   | 1        |
| 23 . | Radiator Scoop                          | KPPW0010      | 1        |
| 24 . | 1 1/4" Radiator Hose                    | KPPW0033      | 2        |
| 25 . | Radiator                                | EGCS-RAD      | 1        |
| 26 . | 3/16" Bolt                              | AN3-6A        | 4        |
| 27 . | Mount Block                             | EGCS-FNMPVC   | 1        |
| 28 . | Filler Cap Tee Retainer Strap           | EGCS-FNSTRAP  | 1        |
| 29 . | Temperature Probe Tee With Nipple ***** | EGCS-TEMP-T-N | 1        |
| 30 . | Hose Spring                             | EGCS-HS       | 4        |
| 31 . | 1/4" Clear Fuel Line                    | KSFS0008      | 1 ft     |
| 32 . | #8 Pan Head Screw                       | 8X1/2 PHS     | 1        |
| 33 . | Tinnerman                               | A1789-8Z-1    | 1        |
| 34 . | Line Clamp, 5/16"                       | FS-LCL 5/16   | 2        |
| 35 . | Aluminum Tube, 1/4" x .028 x 12" **     | KAAC0002-7    | 0        |
| 36 . | 3/16" Bolt                              | AN3-14A       | 2        |
| 37 . | 3/32" Aluminum Pop Rivet                | 40APR1/8      | 12       |
| 38 . | 3/16" Nut Plate                         | K-1000-3      | 6        |
| 39 . | Coolant Pressure Gauge                  | KSPW0021      | 1        |
| 40 . | 1/8" Straight Brass Female Fitting      | 26-4-2        | 1        |
| 41 . | 1/8" Black Fuel Line                    | KSFS0001      | 6 ft     |
| 42 . | Small Hose Clamp                        | 5-6202        | 4        |
| 43 . | Conduit Clamp                           | S1-CC         | 2        |
| 44 . | Coolant Temperature Gauge ****          | KSPW0014      | 1        |

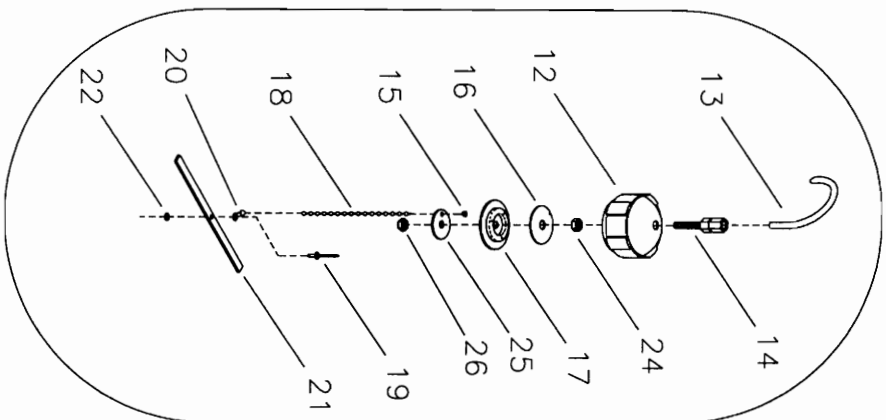
\*Supplied with Filler Cap Tee.

\*\*Builder must fabricate from raw stock.

\*\*\*Supplied with Optional Coolant Temperature Gauge.

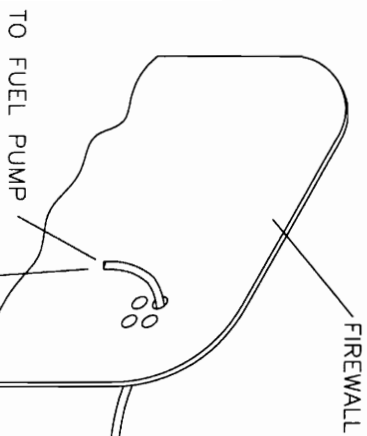
\*\*\*\*Optional Instrument.

\*\*\*\*\*Supplied only if builder purchased Optional Coolant Temperature Gauge.

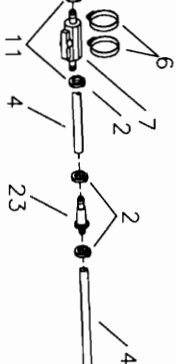


FWD

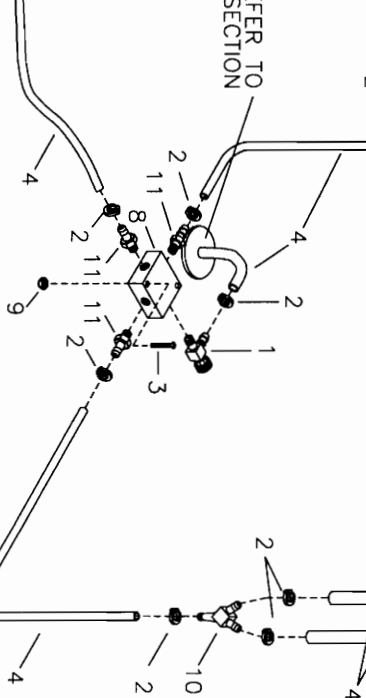
REFER TO WING SECTION  
FOR PART IDENTIFICATION  
AND INSTALLATION.



REFER TO 582 FUEL  
SYSTEM PART 2



REFER TO  
COVERING SECTION

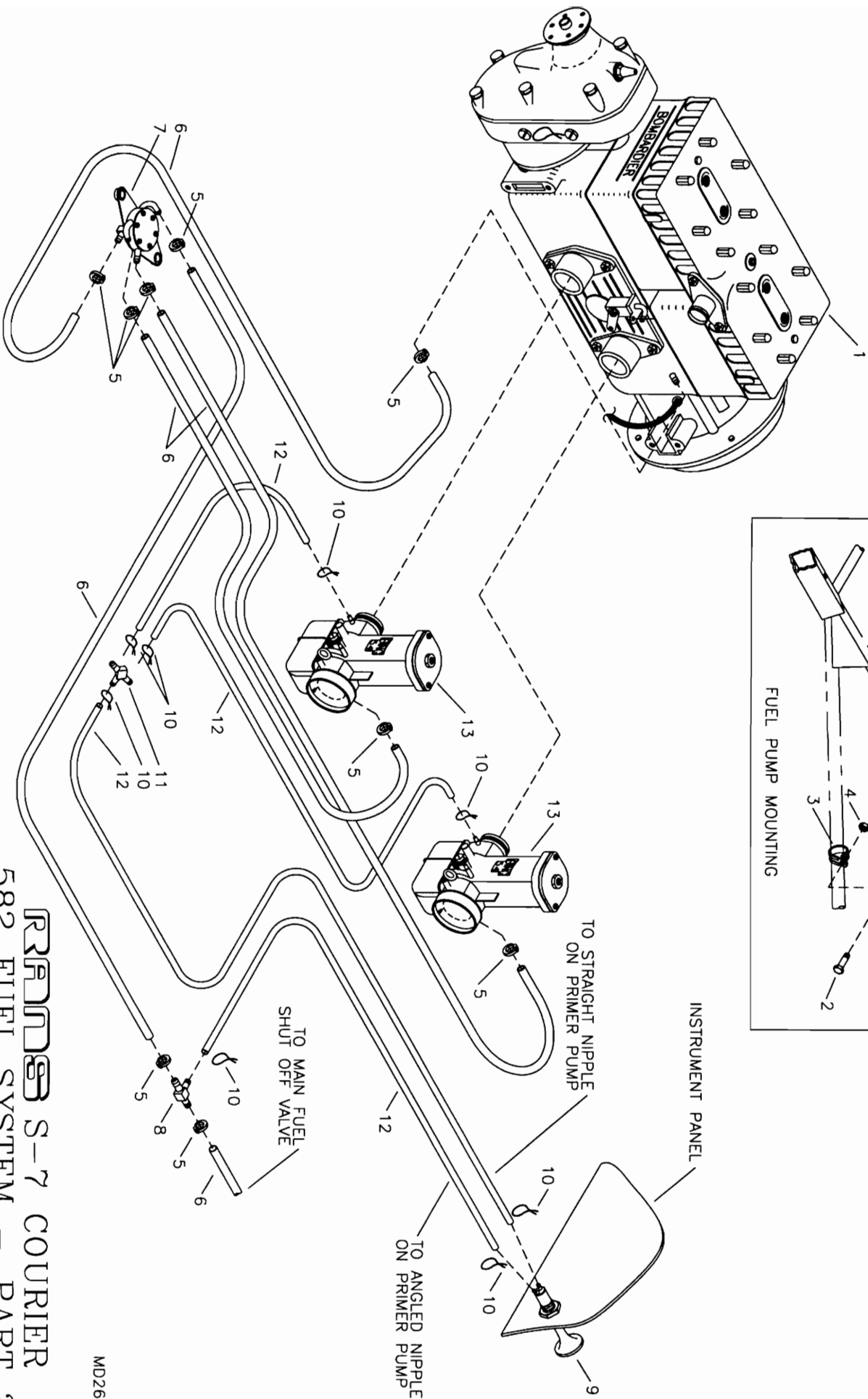
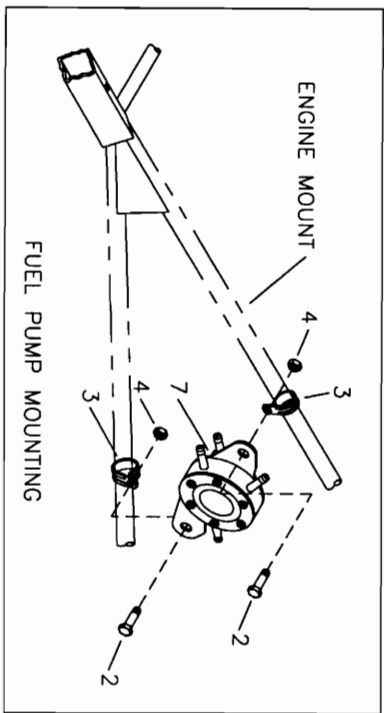


# 582 FUEL SYSTEM PART 1

**S-7 COURIER - 582 FUEL SYSTEM - PART 1**

| #    | DESCRIPTION                               | PART NUMBER     | QUANTITY |
|------|-------------------------------------------|-----------------|----------|
| 1 .  | Sump Drain Valve                          | 8336            | 1        |
| 2 .  | Line Clamp, 3/8"                          | FS-LCL 3/8      | 13       |
| 3 .  | 8 x 32 Bolt                               | AN526-832R16    | 1        |
| 4 .  | 1/4" Blue Fuel Line                       | FS-FL           | 25 ft    |
| 5 .  | Coil Wrap                                 | 1/2 SPIRAL LOOM | 2 ft     |
| 6 .  | Hose Clamp, 1 1/4"                        | 5-5212          | 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        | 2        |
| 17 . | Rubber Gasket                             | KSFS0013        | 2        |
| 18 . | #3 Bead Chain                             | KSHW0012        | 14 in    |
| 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 . | Fuel Filter                               | FS-FIL          | 1        |
| 24 . | 1/4" Plain Nut                            | AN345-416       | 2        |
| 25 . | 1/4" Large Wood Washer                    | AN970-4         | 2        |
| 26 . | 1/4" Shear Nut                            | AN364-428C      | 2        |

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



# RAMS S-7 COURIER 582 FUEL SYSTEM - PART 2

MD2670

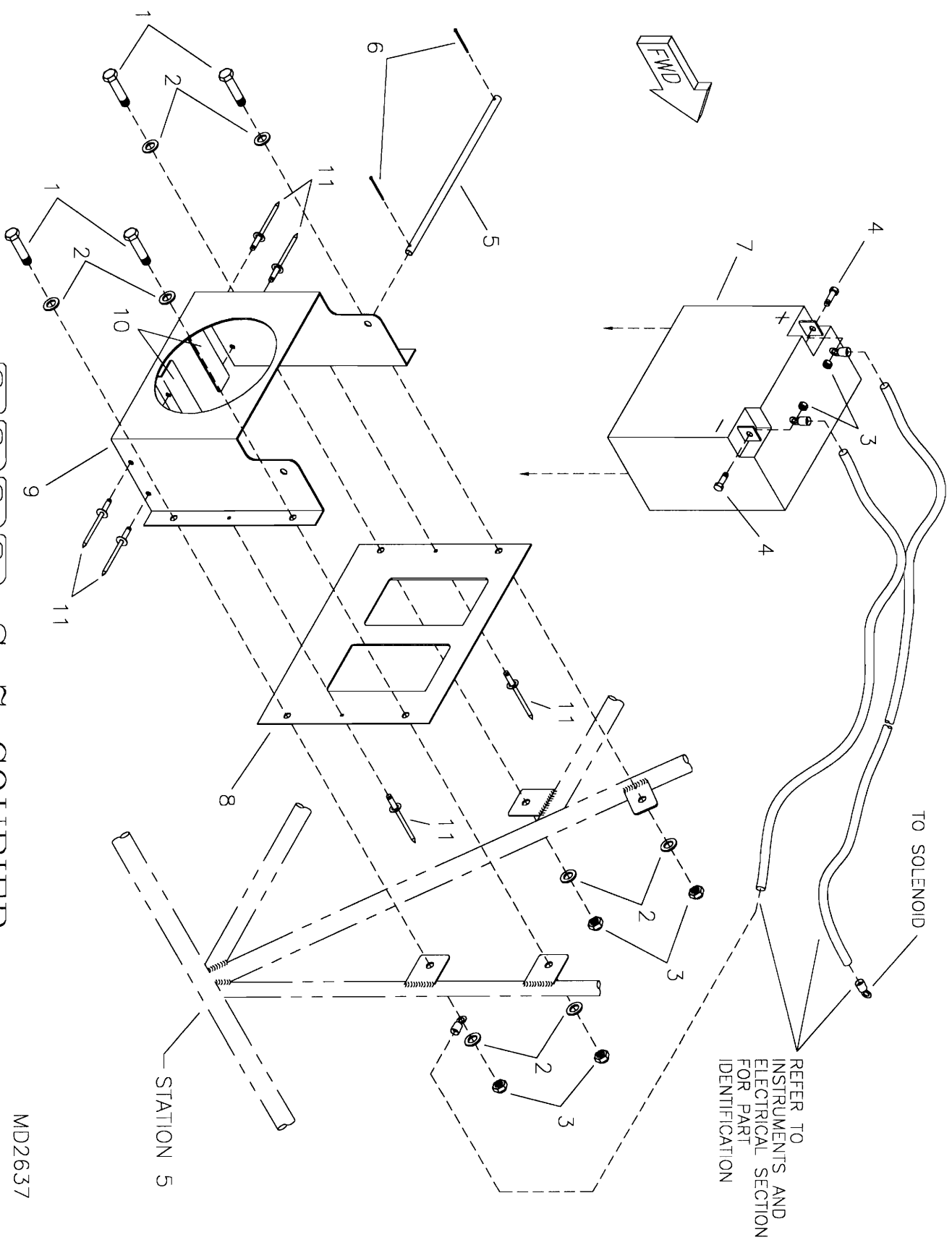
**S-7 COURIER - 582 FUEL SYSTEM - PART 2**

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

\*Referenced from 582 Engine/Prop/Muffler Installation.

\*\*Supplied with Engine.

\*\*\*Supplied with Primer Kit.



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         | 8        |

The diagram illustrates the electrical system for an aircraft instrument panel, featuring the following components and connections:

- Instrument Panel Gauges (Bottom Right):**
  - Hour Meter (1):** Connected to the tachometer (26) via wire 12.
  - VSI (2):** Vertical Speed Indicator, connected via wire 14.
  - Altimeter (3):** Connected via wire 17.
  - Air Speed Indicator (4):** Connected via wire 14.
- Engine Instruments (Bottom Left):**
  - RPM (8):** Revolutions Per Minute gauge, connected to the tachometer (26) via wire 12.
  - Oil Press. (6):** Oil Pressure gauge, connected via wire 12.
  - Oil Temp. (7):** Oil Temperature gauge, connected via wire 12.
  - CHT (9):** Cylinder Head Temperature gauge, connected via wire 12.
- Engine and Fuel System (Top):**
  - Oil Pressure Sender (18):** Connected to the oil pressure gauge (6) via wire 12.
  - Oil Pressure Sender (40):** Connected to the engine via wire 40.
  - Oil Pressure Sender (41):** Connected to the engine via wire 41.
  - Oil Pressure Sender (42):** Connected to the engine via wire 42.
  - Oil Pressure Sender (43):** Connected to the engine via wire 43.
  - Oil Pressure Sender (44):** Connected to the engine via wire 44.
  - Oil Pressure Sender (46):** Connected to the engine via wire 46.
  - Oil Pressure Sender (47):** Connected to the engine via wire 47.
  - Oil Pressure Sender (48):** Connected to the engine via wire 48.
  - Oil Pressure Sender (49):** Connected to the engine via wire 49.
  - Oil Pressure Sender (50):** Connected to the engine via wire 50.
- Ignition and Fuel System (Middle):**
  - Ignition (20):** Connected to the engine via wire 19.
  - Ignition (21):** Connected to the engine via wire 21.
  - Ignition (22):** Connected to the engine via wire 22.
  - Ignition (23):** Connected to the engine via wire 23.
  - Ignition (24):** Connected to the engine via wire 24.
  - Ignition (25):** Connected to the engine via wire 25.
  - Ignition (26):** Connected to the engine via wire 26.
  - Ignition (27):** Connected to the engine via wire 27.
  - Ignition (28):** Connected to the engine via wire 28.
  - Ignition (29):** Connected to the engine via wire 29.
  - Ignition (30):** Connected to the engine via wire 30.
  - Ignition (31):** Connected to the engine via wire 31.
  - Ignition (32):** Connected to the engine via wire 32.
  - Ignition (33):** Connected to the engine via wire 33.
  - Ignition (34):** Connected to the engine via wire 34.
  - Ignition (35):** Connected to the engine via wire 35.
  - Ignition (36):** Connected to the engine via wire 36.
  - Ignition (37):** Connected to the engine via wire 37.
  - Ignition (38):** Connected to the engine via wire 38.
  - Ignition (39):** Connected to the engine via wire 39.
  - Ignition (40):** Connected to the engine via wire 40.
  - Ignition (41):** Connected to the engine via wire 41.
  - Ignition (42):** Connected to the engine via wire 42.
  - Ignition (43):** Connected to the engine via wire 43.
  - Ignition (44):** Connected to the engine via wire 44.
  - Ignition (45):** Connected to the engine via wire 45.
  - Ignition (46):** Connected to the engine via wire 46.
  - Ignition (47):** Connected to the engine via wire 47.
  - Ignition (48):** Connected to the engine via wire 48.
  - Ignition (49):** Connected to the engine via wire 49.
  - Ignition (50):** Connected to the engine via wire 50.
- Tachometer Detail (Top Left):**
  - DIP SWITCH (1):** Connected to the engine via wire 12.
  - TO 12 VOLT POWER SOURCE (2):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (3):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (4):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (5):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (6):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (7):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (8):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (9):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (10):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (11):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (12):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (13):** Connected to the engine via wire 12.
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  - TO SENDER ON ENGINE (42):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (43):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (44):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (45):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (46):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (47):** Connected to the engine via wire 12.
  - TO SENDER ON ENGINE (48):** Connected to the engine via wire 12.
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  - TO SENDER ON ENGINE (50):** Connected to the engine via wire 12.

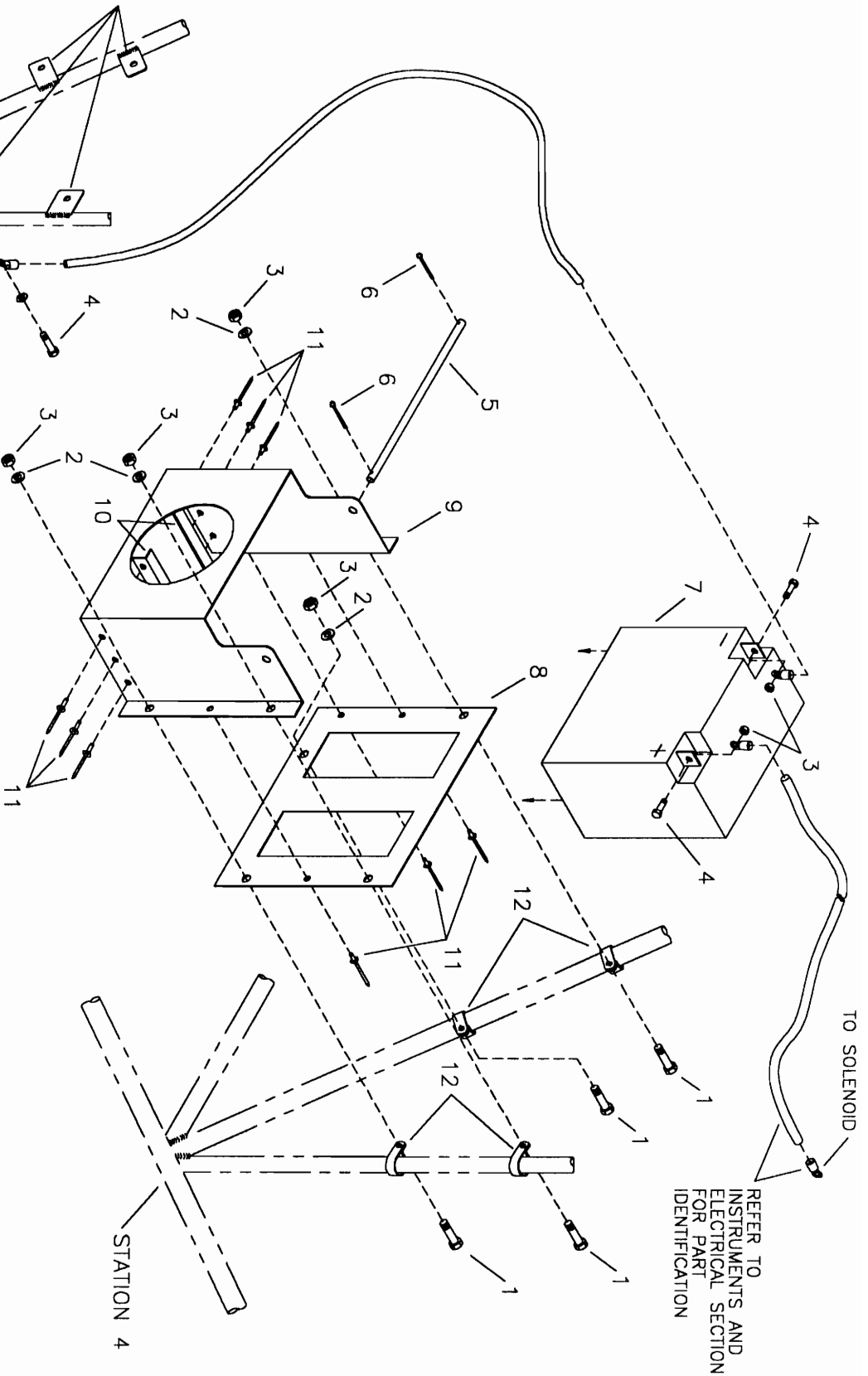
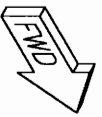
**S-7 COURIER - 912 INSTRUMENTS & ELECTRICAL**

| #   | 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                                     | AGC-25            | 1        |
| 11. | 14 Gauge, In Line Fuse Holder, 25 AMP           | F-HLDR            | 1        |
| 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     | 2        |
| 35. | 14 Gauge, In Line Fuse Holder, 40 AMP with Fuse | F-HLDR-40 W/FUSE  | 1        |
| 36. | 40 AMP Fuse with holder *****                   | AGC-40 W/HOLDER   | 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. | 1/8" Brass Tee Fitting                          | 3-20120           | 1        |
| 43. | 1/8 NPT Close Nipple                            | KSAC0032          | 1        |
| 44. | 3/16" Large Wood Washer                         | AN970-3           | 2        |
| 45. | Solenoid ****                                   | ----              | 0        |
| 46. | 3/16" Shear Nut                                 | AN364-1032A       | 2        |

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

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

\*\*\*\*\*Supplied with fuse holder. \*\*\*\*\*Builder Supplies.



MD2677

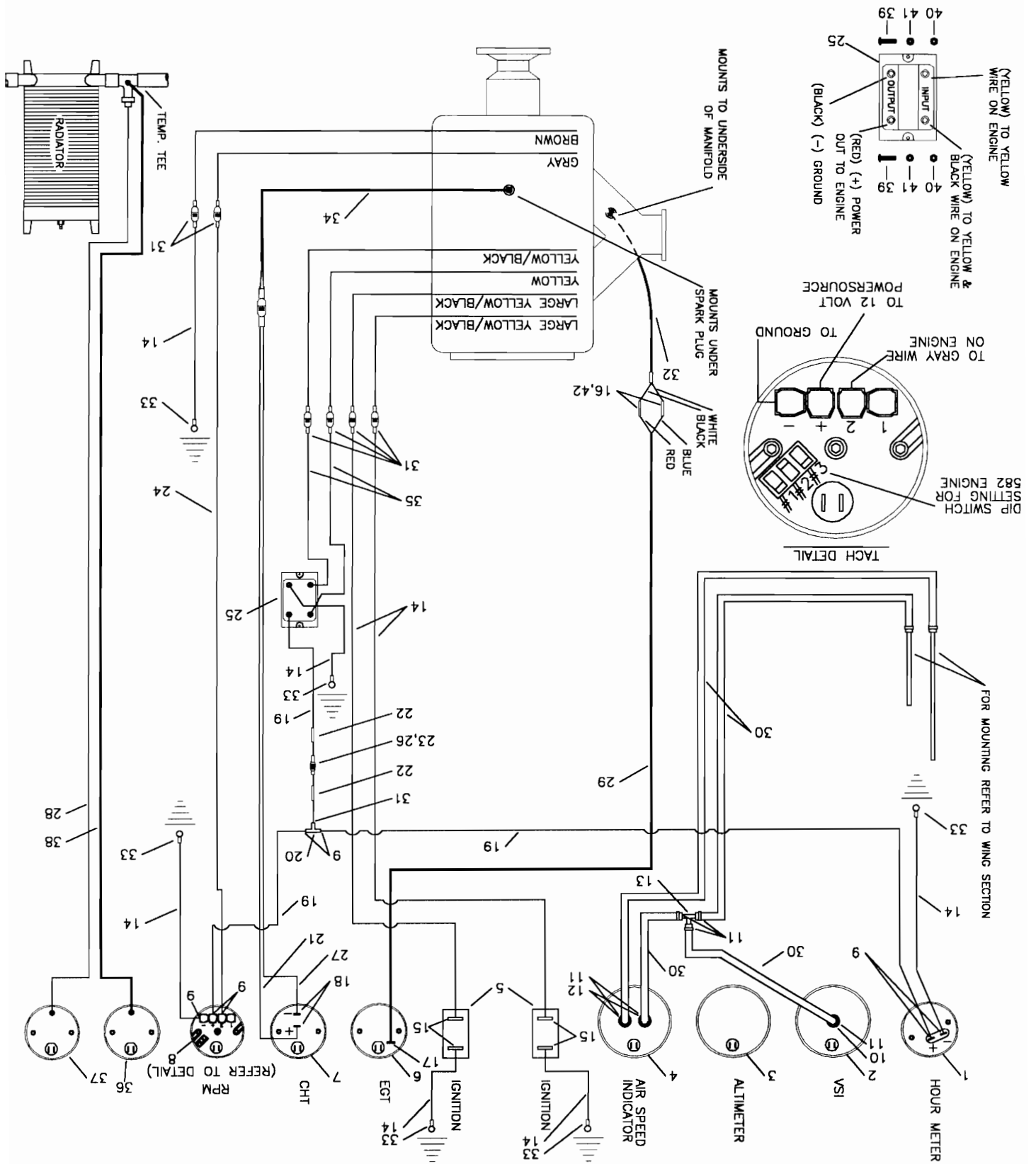
# RRMS S-7 COURIER 582 BATTERY BOX ASSEMBLY AND INSTALLATION

**S-7 COURIER - 582 BATTERY BOX ASSEMBLY & INSTALLATION**

| #    | DESCRIPTION                        | PART NUMBER     | QUANTITY |
|------|------------------------------------|-----------------|----------|
| 1 .  | 3/16" Bolt                         | AN3-4A          | 4        |
| 2 .  | 3/16" Thin Washer                  | AN960-10L       | 4        |
| 3 .  | 3/16" Shear Nut                    | AN364-1032A     | 7        |
| 4 .  | 3/16" Bolt                         | AN3-3A          | 3        |
| 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         | 9        |
| 12 . | 5/8" Cushioned Tube Clamp          | MS21919-DG10    | 4        |

# 582 INSTRUMENTS AND ELECTRICAL RPM S-7 COURIER WITHOUT ELECTRIC START

MD1675



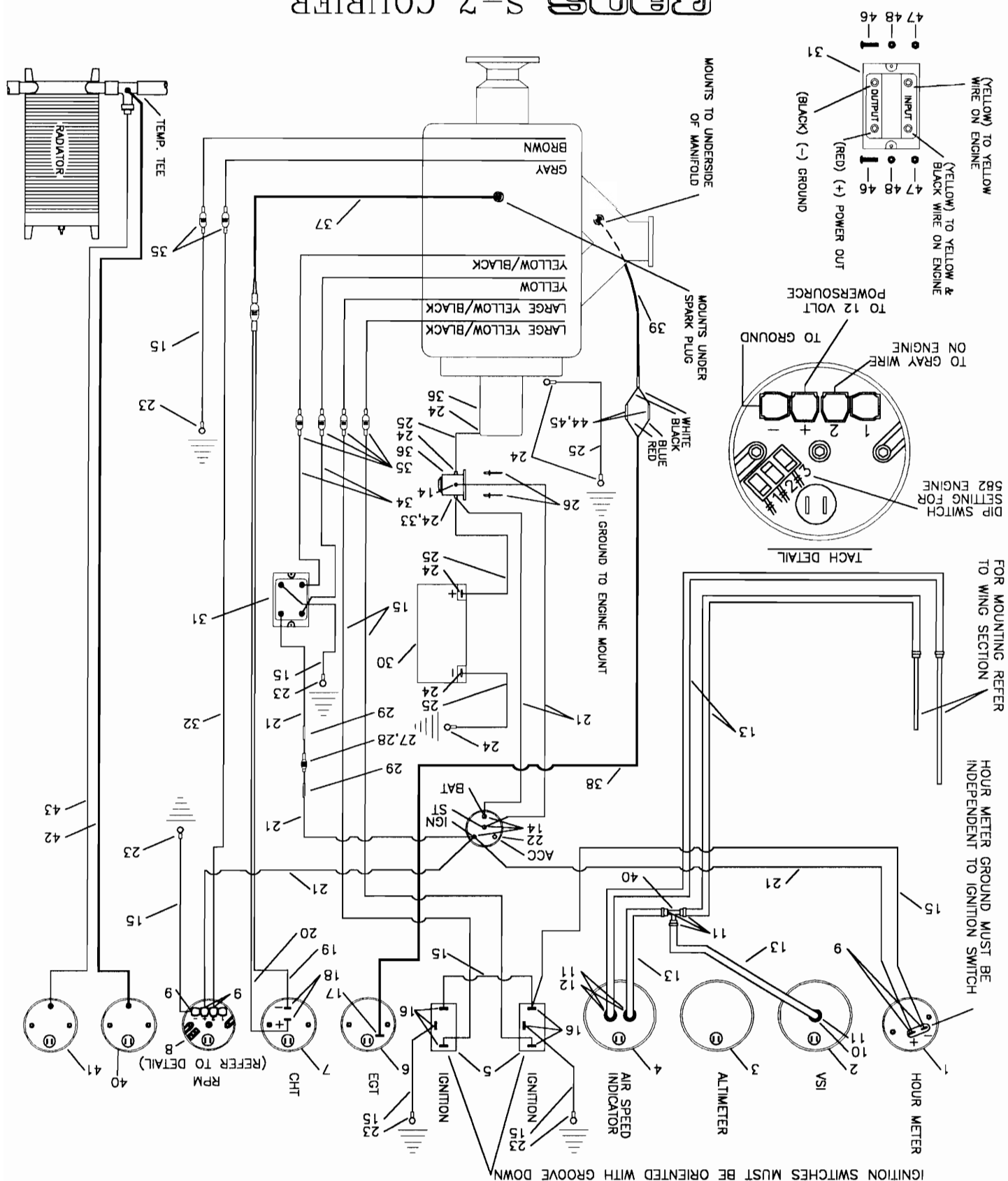
**S-7 COURIER - 582 INSTRUMENTS & ELECTRICAL WITHOUT ELECTRIC START**

| #   | 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.  | Exhaust Gas Temperature Gauge *              | KSPW0008          | 1        |
| 7.  | Cylinder Head Temperature Gauge *            | KSPW0010          | 1        |
| 8.  | RPM Gauge                                    | KSPW0028          | 1        |
| 9.  | 14 Gauge Female Spade Terminal, Blue         | IP-7128           | 7        |
| 10. | 90 Withdrawal Fitting                        | 8342              | 1        |
| 11. | Line Clamp, 3/8"                             | FS-LCL 3/8        | 6        |
| 12. | Straight Withdrawal Fitting                  | 8330              | 2        |
| 13. | Line Tee                                     | 8338              | 1        |
| 14. | 14 Gauge Black Wire                          | 14 GA WIRE/BLACK  | 20 ft    |
| 15. | 14 Gauge Eye Terminal, Blue 5/32"            | KSES0003          | 4        |
| 16. | Female Bullet Terminal                       | 02-09-1103        | 4        |
| 17. | EGT End Plug **                              | KSPW0008-1        | 0        |
| 18. | Female Terminal ***                          | KSPW0010-1        | 0        |
| 19. | 14 Gauge Red Wire                            | 14 GA WIRE/RED    | 14 ft    |
| 20. | Terminal Y Connector, Brass                  | IP-YC             | 1        |
| 21. | CHT Wire, Red ***                            | KSPW0010-2        | 0        |
| 22. | 14 Gauge Splice, Butt Connector              | IP-7132           | 2        |
| 23. | 25 AMP Fuse                                  | AGC-25            | 1        |
| 24. | 14 Gauge White Wire                          | 14 GA WIRE/WHITE  | 6 ft     |
| 25. | Regulator/Rectifier                          | KSES0005          | 1        |
| 26. | 14 Gauge, In Line Fuse Holder, 25 AMP        | F-HLDR            | 1        |
| 27. | CHT Wire, Black ***                          | KSPW0010-4        | 0        |
| 28. | Coolant Temperature Probe ****               | KSPW0014-1        | 0        |
| 29. | EGT Wires **                                 | KSPW0008-2        | 0        |
| 30. | Pitot/Static Line, Blue                      | FS-FL             | 26 ft    |
| 31. | 14 Gauge Male Spade Terminal, Blue           | IP-7126           | 7        |
| 32. | EGT Probe **                                 | KSPW0008-3        | 0        |
| 33. | 14 Gauge Eye Terminal, Blue 1/4"             | 1/4 EYE 14 GA     | 6        |
| 34. | CHT Probe ***                                | KSPW0010-3        | 0        |
| 35. | 14 Gauge Yellow Wire                         | 14 GA WIRE/YELLOW | 6 ft     |
| 36. | Coolant Pressure Gauge ****                  | KSPW0021          | 0        |
| 37. | Coolant Temperature Gauge ****               | KSPW0014          | 0        |
| 38. | Coolant Pressure Line ****                   | KSFS0001          | 0 ft     |
| 39. | Pan Head Phillip Bolt                        | KSHW0006          | 2        |
| 40. | 3/16" Shear Nut                              | AN364-1032A       | 2        |
| 41. | 3/16" Large Wood Washer                      | AN970-3           | 2        |
| 42. | Shrink Wrap                                  | KSAC0009          | 1 ft     |

\* Optional gauge. \*\*Comes with EGT. \*\*\*Comes with CHT

\*\*\*\*Referenced from cooling system.

## MD1681



**S-7 COURIER - 582 INSTRUMENTS & ELECTRICAL WITH ELECTRIC START**

| #   | 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                              | MS35058-23        | 2        |
| 6.  | Exhaust Gas Temperature Gauge *              | KSPW0008          | 1        |
| 7.  | Cylinder Head Temperature Gauge *            | KSPW0010          | 1        |
| 8.  | RPM Gauge                                    | KSPW0028          | 1        |
| 9.  | 14 Gauge Female Spade Terminal, Blue         | IP-7128           | 5        |
| 10. | 90 Withdrawal Fitting                        | 8342              | 1        |
| 11. | Line Clamp, 3/8"                             | FS-LCL 3/8        | 6        |
| 12. | Straight Withdrawal Fitting                  | 8330              | 2        |
| 13. | Pitot/Static Line, Blue                      | FS-FL             | 26 ft    |
| 14. | 14 Gauge Eye Terminal, Blue 3/16"            | IP-7102           | 7        |
| 15. | 14 Gauge Black Wire                          | 14 GA WIRE/BLACK  | 20 ft    |
| 16. | 14 Gauge Eye Terminal, Blue 5/32"            | KSES0003          | 6        |
| 17. | EGT End Plug **                              | KSPW0008-1        | 0        |
| 18. | Female Terminal ***                          | KSPW0010-1        | 0        |
| 19. | CHT Wire, Black ***                          | KSPW0010-4        | 0        |
| 20. | CHT Wire, Red ***                            | KSPW0010-2        | 0        |
| 21. | 14 Gauge Red Wire                            | 14 GA WIRE/RED    | 18 ft    |
| 22. | Key Start Switch                             | 25-6              | 1        |
| 23. | 14 Gauge Eye Terminal, Blue 1/4"             | 1/4 EYE 14 GA     | 4        |
| 24. | 4 Gauge Eye Cable Terminal                   | 4 GA CABLE LUG    | 8        |
| 25. | 4 Gauge Battery Cable, Black Wire            | 4 GA WIRE/BLACK   | 20 ft    |
| 26. | 3/16" Aluminum Pop Rivet - Cherry Q          | AAPQ-64           | 2        |
| 27. | 14 Gauge, In Line Fuse Holder, 25 AMP        | F-HLDR            | 1        |
| 28. | 25 AMP Fuse                                  | AGC-25            | 1        |
| 29. | 14 Gauge Splice, Butt Connector              | IP-7132           | 2        |
| 30. | Battery ****                                 | PS12150-NB        | 0        |
| 31. | Regulator/Rectifier                          | KSES0005          | 1        |
| 32. | 14 Gauge White Wire                          | 14 GA WIRE/WHITE  | 7 ft     |
| 33. | 14 Gauge Eye Terminal, Blue 5/16"            | 5/16 I TERM       | 1        |
| 34. | 14 Gauge Yellow Wire                         | 14 GA WIRE/YELLOW | 6 ft     |
| 35. | 14 Gauge Male Spade Terminal, Blue           | IP-7126           | 6        |
| 36. | Electric Starter Kit (582)                   | MESK-3-582        | 1        |
| 37. | CHT Probe ***                                | KSPW0010-3        | 0        |
| 38. | EGT Wires **                                 | KSPW0008-2        | 0        |

\* Optional gauge. \*\*Comes with EGT. \*\*\*Comes with CHT

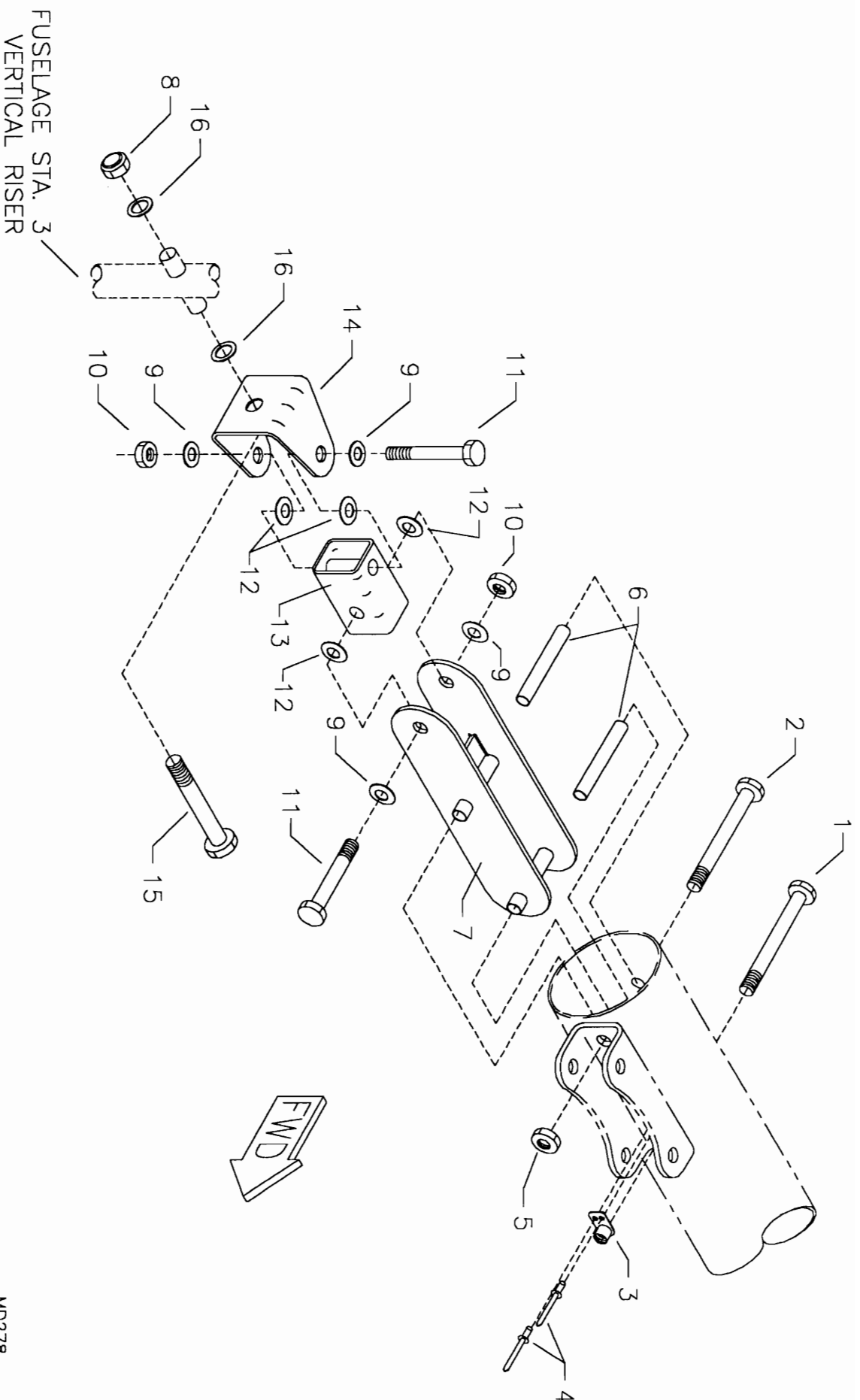
\*\*\*\*Referenced from battery box installation. \*\*\*\*\*Referenced from 582 cooling system.

**S-7 COURIER - 582 INSTRUMENTS & ELECTRICAL WITH ELECTRIC START**

| #    | DESCRIPTION                            | PART NUMBER   | QUANTITY |
|------|----------------------------------------|---------------|----------|
| 39 . | EGT Probe **                           | KSPW0008-3    | 0        |
| 40 . | Coolant Pressure Gauge *****           | KSPW0021      | 0        |
| 41 . | Coolant Temperature Gauge *****        | KSPW0014      | 0        |
| 42 . | 1/8" Black Coolant Pressure Line ***** | 1/8 FUEL LINE | 0 ft     |
| 43 . | Coolant Temperature Probe *****        | KSPW0014-1    | 0        |
| 44 . | Female Bullet Terminal                 | 02-09-1103    | 4        |
| 45 . | Shrink Wrap                            | KSAC0009      | 1 ft     |
| 46 . | Pan Head Phillip Bolt                  | KSHW0006      | 2        |
| 47 . | 3/16" Shear Nut                        | AN364-1032A   | 2        |
| 48 . | 3/16" Large Wood Washer                | AN970-3       | 2        |

\* Optional gauge. \*\*Comes with EGT. \*\*\*Comes with CHT

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



# **RRM S-7 COURIER** **WING: UNIVERSAL HINGE**

MD278

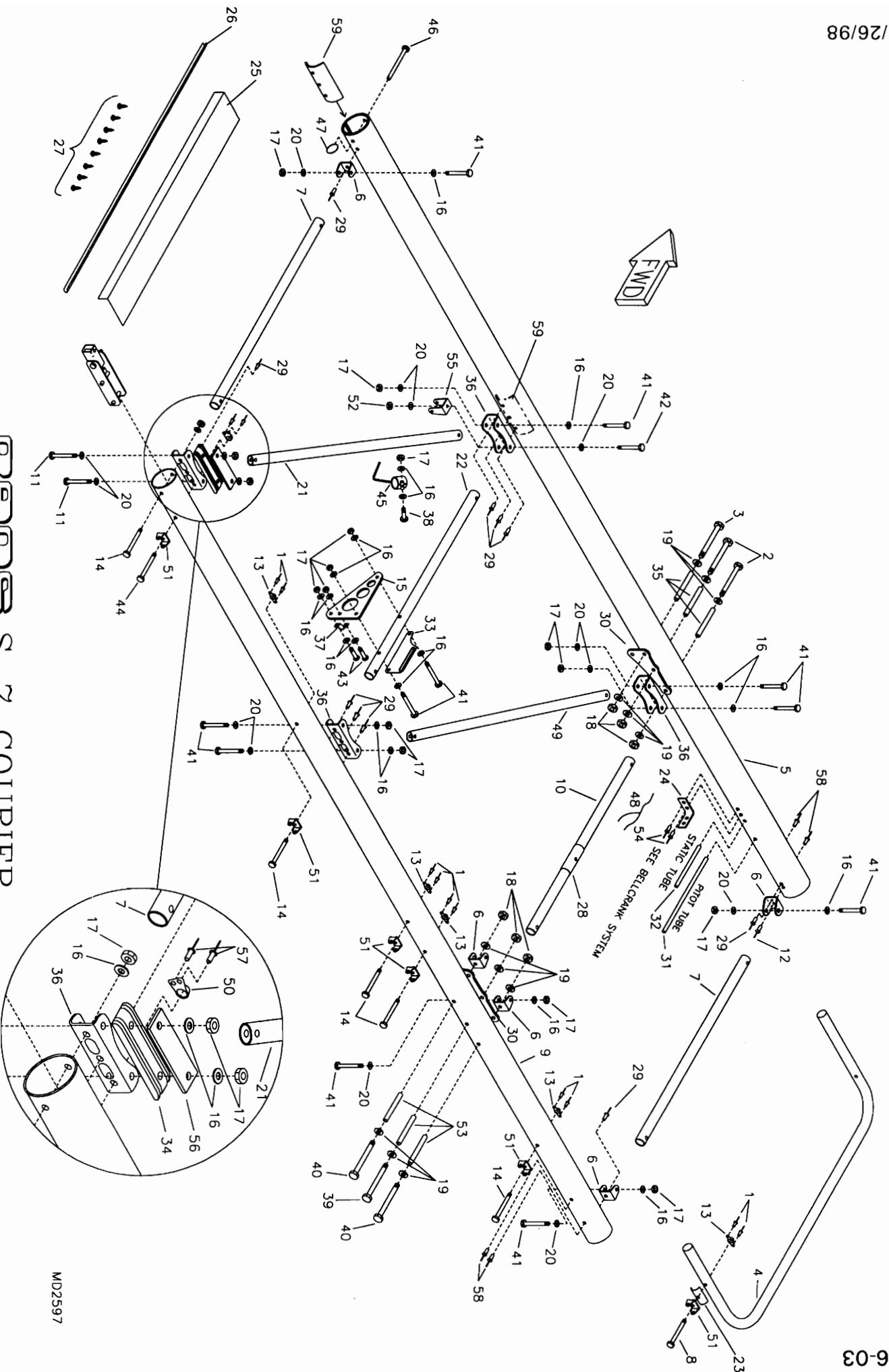
**S-7 COURIER - WING - UNIVERSAL HINGE**

| #    | 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 **             | MS21086-3   | 0        |
| 4 .  | 3/32" Aluminum Pop Rivet **               | 40APR1/8    | 0        |
| 5 .  | 3/16" Shear Nut **                        | AN364-1032A | 0        |
| 6 .  | Aluminum Bushing, 1/4" x .028" x 1 7/8" * | KAAC0002-7  | 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                                | W-H-CUBE    | 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.



# S-7 COURIER WING-MAIN STRUCTURE

**S-7 COURIER - WING - MAIN STRUCTURE**

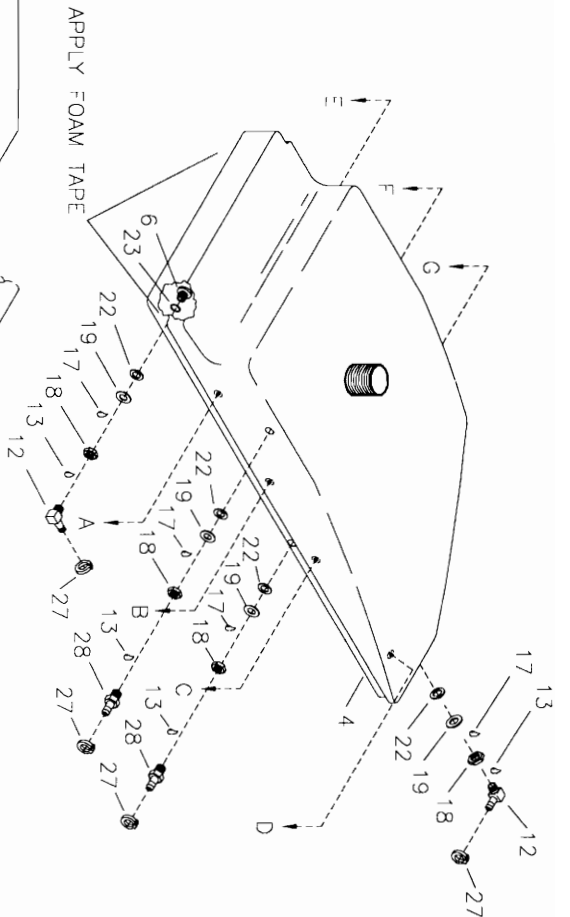
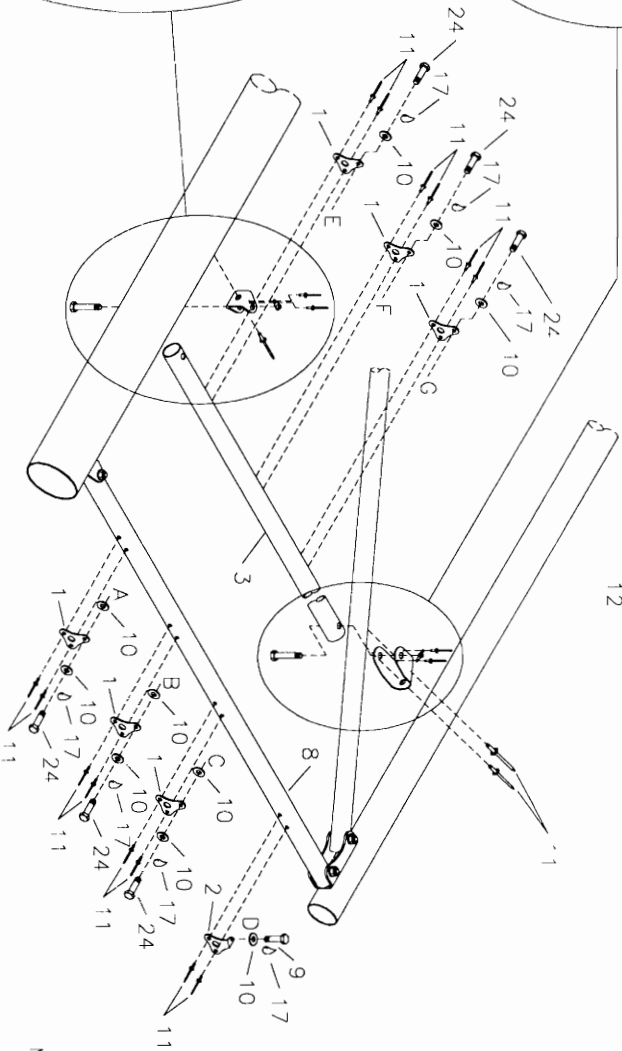
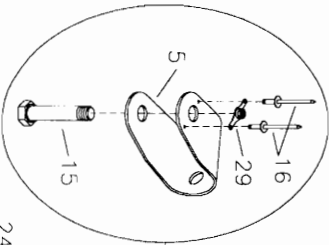
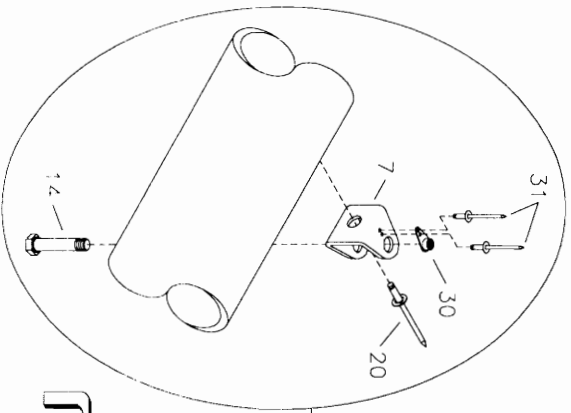
| #    | DESCRIPTION                                | PART NUMBER | QUANTITY |
|------|--------------------------------------------|-------------|----------|
| 1 .  | 3/32" Aluminum Pop Rivet                   | 40APR1/8    | 20       |
| 2 .  | 1/4" Bolt                                  | AN4-36A     | 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   | 46       |
| 17 . | 3/16" Shear Nut                            | AN364-1032A | 34       |
| 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     | 16       |
| 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 . | 3/16" Bolt                                 | AN3-10A     | 2        |
| 39 . | 1/4" Bolt                                  | AN4-25A     | 2        |
| 40 . | 1/4" Bolt                                  | AN4-26A     | 4        |

**S-7 COURIER - WING - MAIN STRUCTURE CONTINUED**

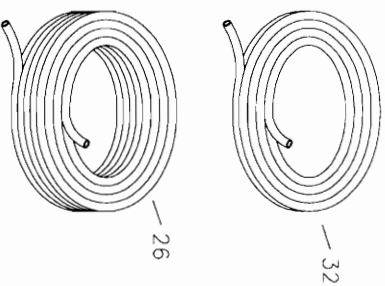
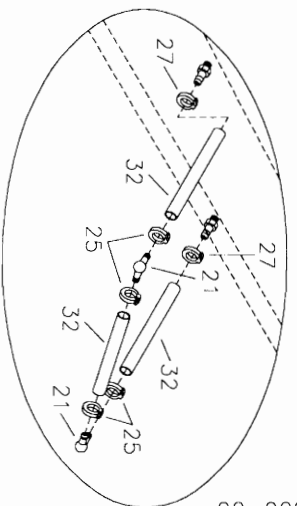
| #    | DESCRIPTION                                | PART NUMBER  | QUANTITY |
|------|--------------------------------------------|--------------|----------|
| 41 . | 3/16" Bolt                                 | AN3-15A      | 22       |
| 42 . | 3/16" Bolt                                 | AN3-16A      | 2        |
| 43 . | 3/16" Bolt                                 | AN3-5A       | 4        |
| 44 . | 3/16" Bolt                                 | AN3-24A      | 2        |
| 45 . | Door Up Catch, LH                          | W-D-UP-C-LH  | 1        |
| 45 . | Door Up Catch, RH                          | W-D-UP-C-RH  | 1        |
| 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      | 14       |
| 55 . | Jury Strut Bracket                         | JS-BK        | 2        |
| 56 . | Top Plate - Rub Block                      | KPCS0092     | 2        |
| 57 . | 3/32" Aluminum Pop Rivet                   | 40APR1/4     | 4        |
| 58 . | 3/16" Stainless Steel Pop Rivet - Cherry Q | CCPQ-62      | 8        |
| 59 . | Leading Edge Spar Doubler                  | KPW10264     | 2        |

# R3000 S-7 COURIER - WING FUEL TANK INSTALLATION

MD2358



FUEL SIGHT  
GAUGE DETAIL



**S-7 COURIER - WING FUEL TANK INSTALLATION**

| #    | 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    | 8        |
| 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    | 8        |
| 19 . | 1/2" Thick Washer                          | AN960-816   | 8        |
| 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    | 8        |
| 23 . | O-Ring                                     | KSFS0009    | 8        |
| 24 . | 3/16" Bolt                                 | AN3-4A      | 12       |
| 25 . | Fuel Line Hose Clamp, 5/16"                | FS-LCL 5/16 | 8        |
| 26 . | 1/4" Blue Fuel Line                        | FS-FL       | 13 ft    |
| 27 . | Fuel Line Hose Clamp, 3/8"                 | FS-LCL 3/8  | 8        |
| 28 . | Straight Withdrawal Fitting                | 8330        | 4        |
| 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     |

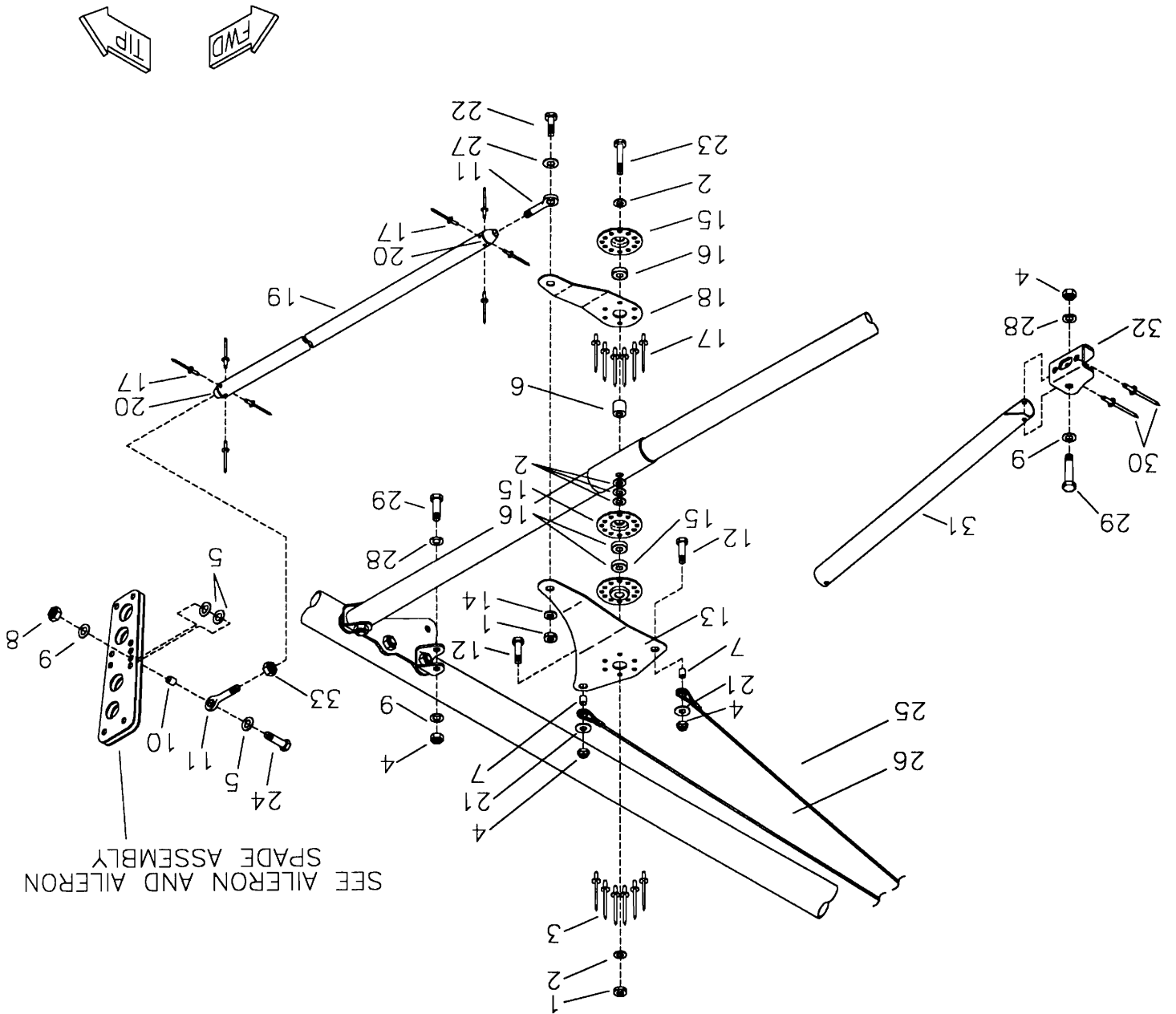
\*Referenced from Wing - Main Structure.

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

# RMS S-7 COURIER WING BELLCRANK SYSTEM

NOTE: LEFT SIDE OF SYSTEM SHOWN

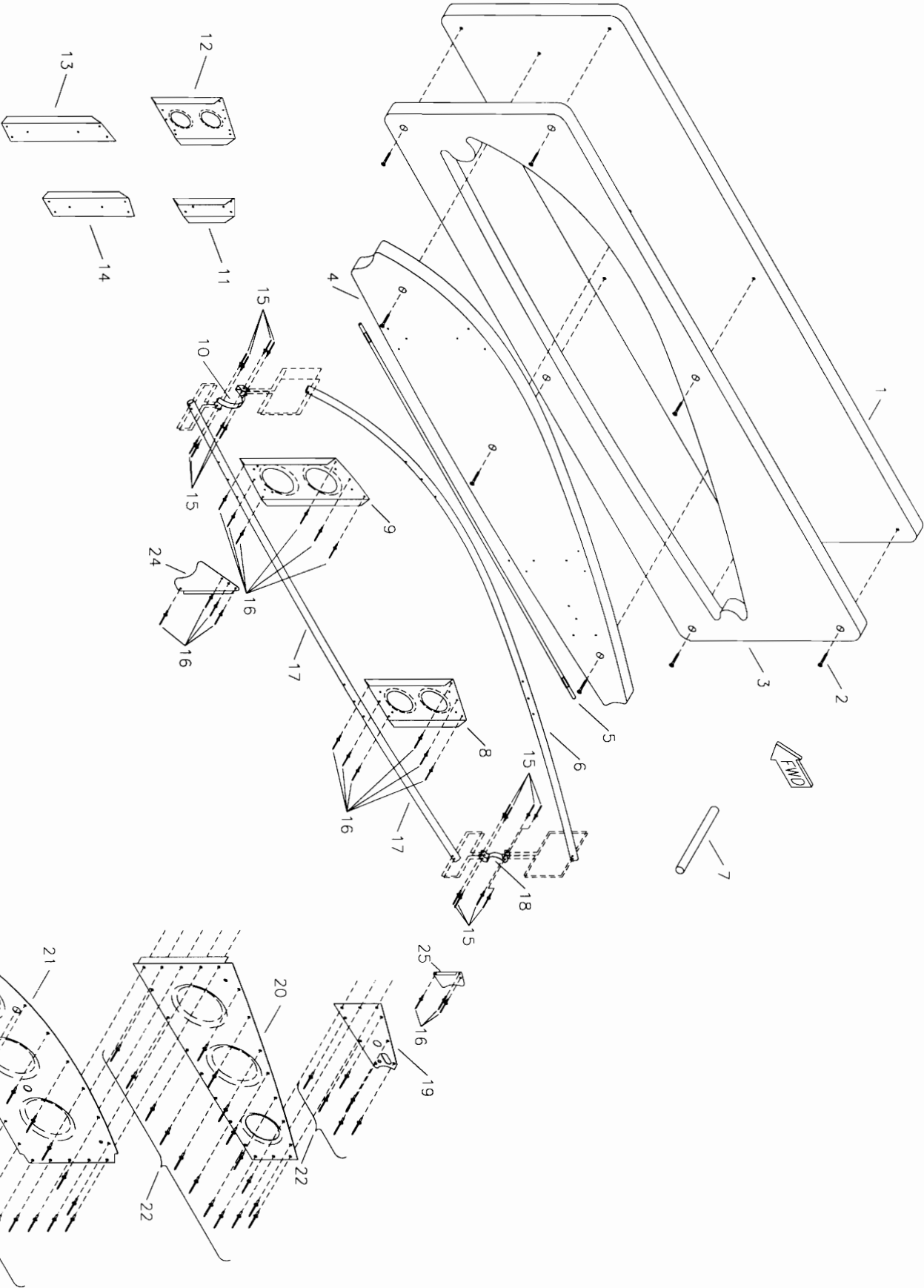
MD736



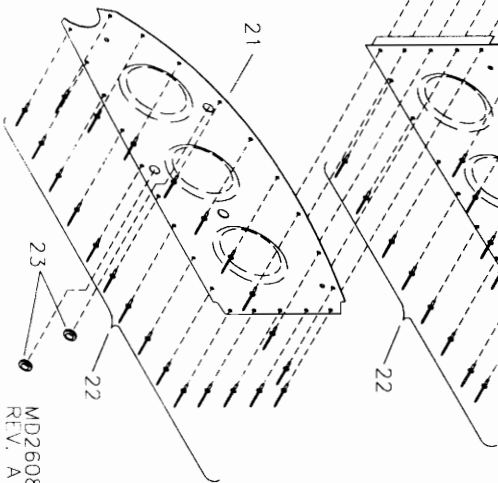
**S-7 COURIER - WING BELLCRANK SYSTEM**

| #    | DESCRIPTION                                   | PART NUMBER  | QUANTITY |
|------|-----------------------------------------------|--------------|----------|
| 1 .  | 1/4" Shear Nut                                | AN364-428A   | 4        |
| 2 .  | 1/4" Thick Washer                             | AN960-416    | 10       |
| 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 .  | Aluminum Bushing, 3/8" x .058 x 3/16" *       | KAAC0002-3   | 0        |
| 7 .  | Stainless Steel Bushing, 1/4" x .028 x 1/4" * | KAAC0002-8   | 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" *        | KAAC0002-7   | 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      | 28       |
| 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 Wood Washer                       | AN970-3      | 4        |
| 22 . | 1/4" Bolt                                     | AN4-10A      | 2        |
| 23 . | 1/4" Bolt                                     | AN4-27A      | 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" Plastic Washer                           | PW-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                     | KPWI0209     | 2        |
| 32 . | Long Wing Channel **                          | W-WCL        | 2        |
| 33 . | 1/4" Plain Nut                                | AN345-416    | 2        |

\*Builder must fabricate from raw stock.



P300 S-7 COURIER  
WING RIB ASSEMBLY AND JIG



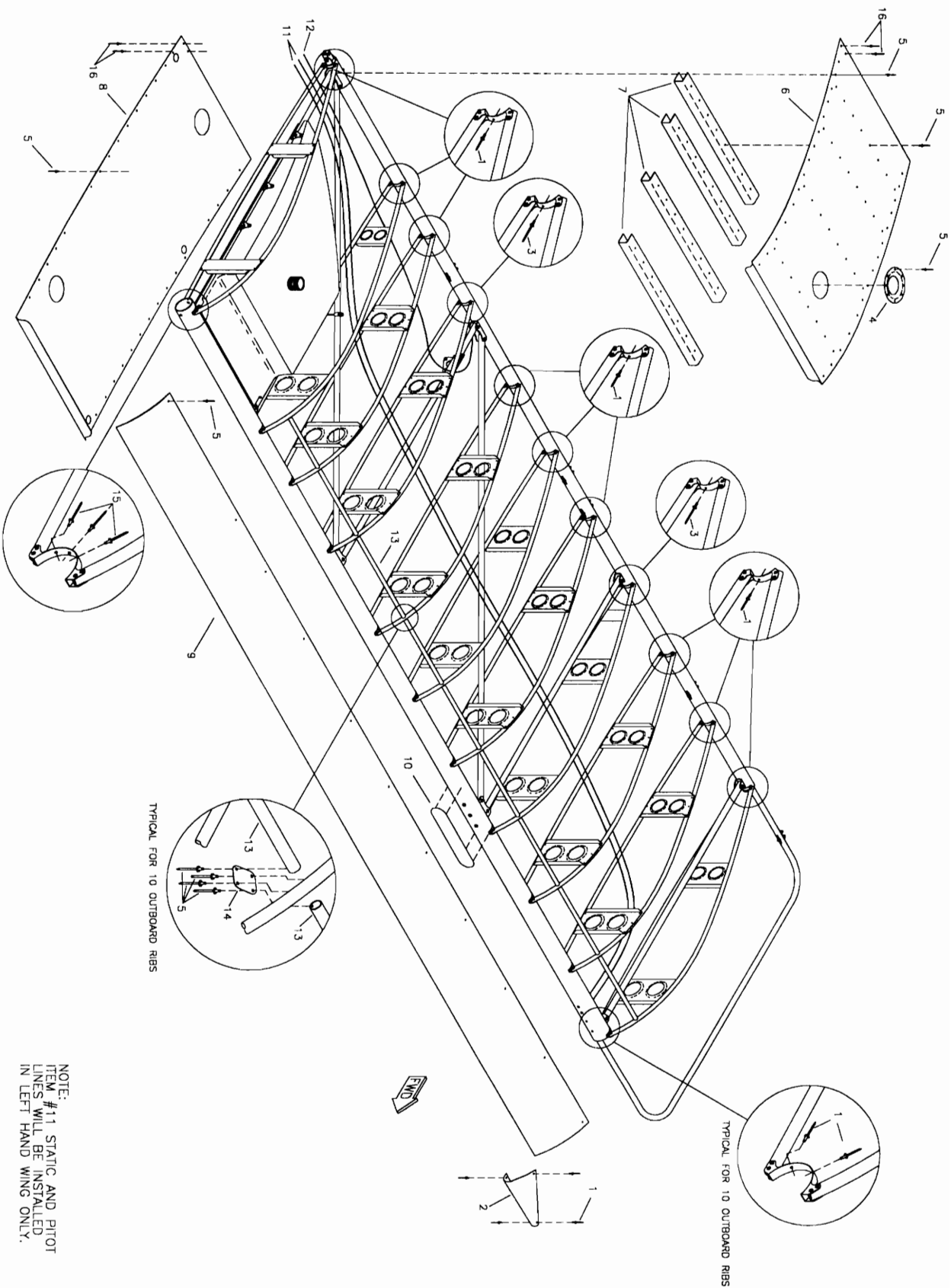
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**S-7 COURIER - WING RIB ASSEMBLY & JIG**

| #   | 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          | KAAC0002-2  | 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. | AFT Channel - Wing Rib #8 - RH     | KPWI0223-R  | 1        |
| 11. | AFT Channel - Wing Rib #8 - LH     | KPWI0223-L  | 1        |
| 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.



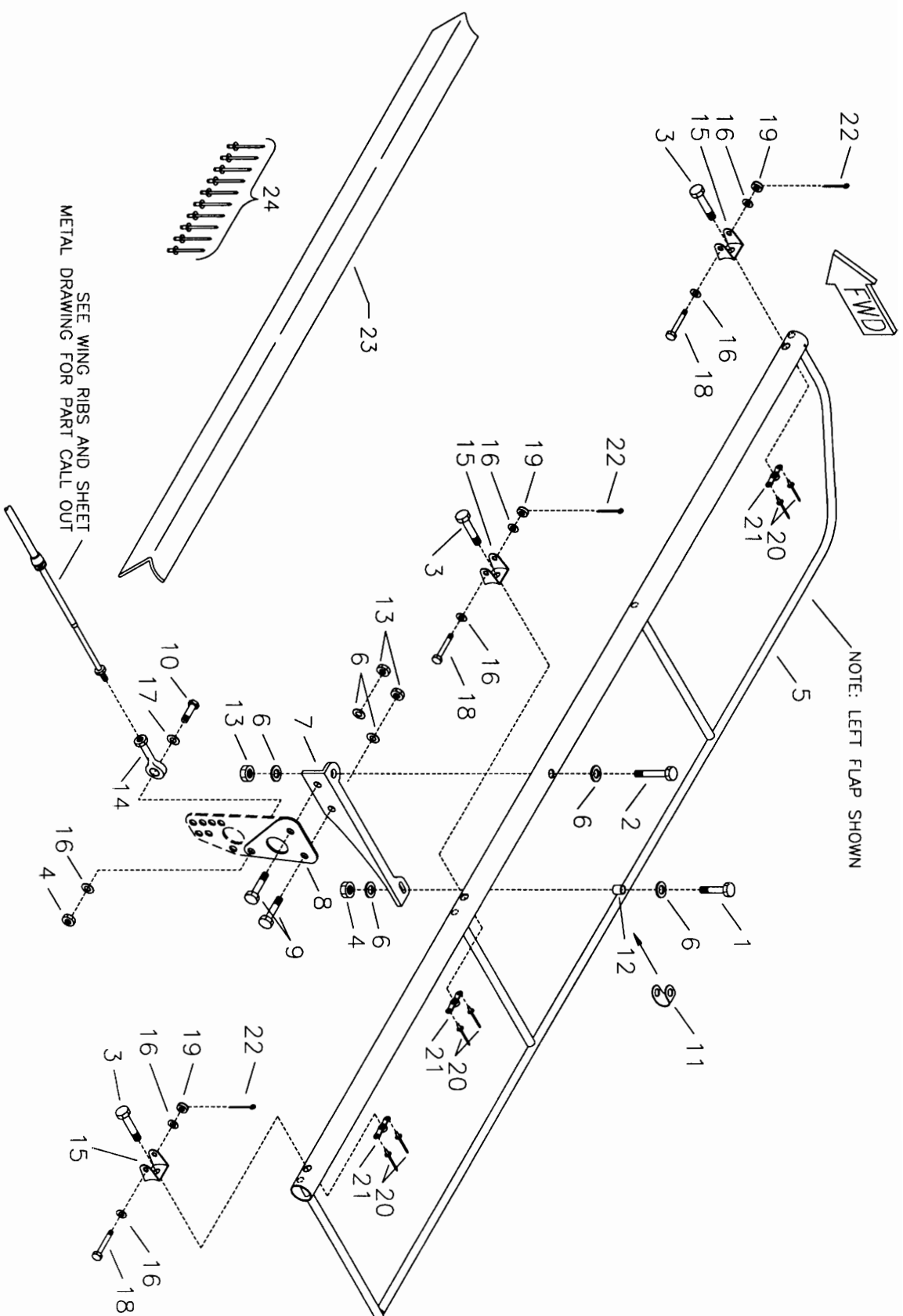
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# S-7 COURIER WING RIBS AND SHEET METAL

**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 - RH - 12'                  | KSCS0002    | 1        |
| 12 . | Flap Teleflex - LH - 10'                  | KSCS0003    | 1        |
| 13 . | Aluminum Support Tubes, 1/2" x .028 x X * | KAAC0002-6  | 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.



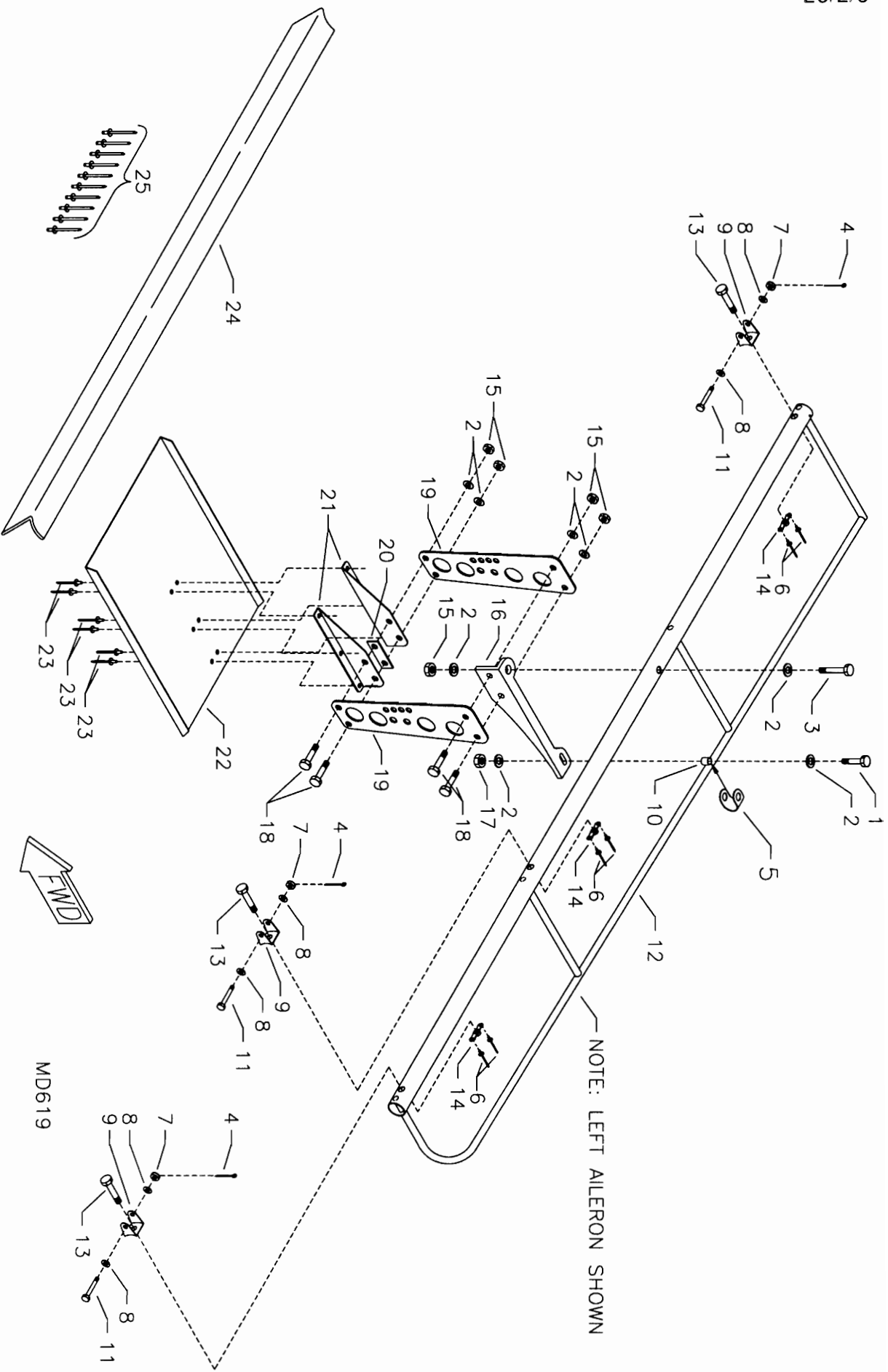
# RRR S-7 COURIER FLAP FRAME ASSEMBLY

**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" * | KAAC0002-7  | 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.

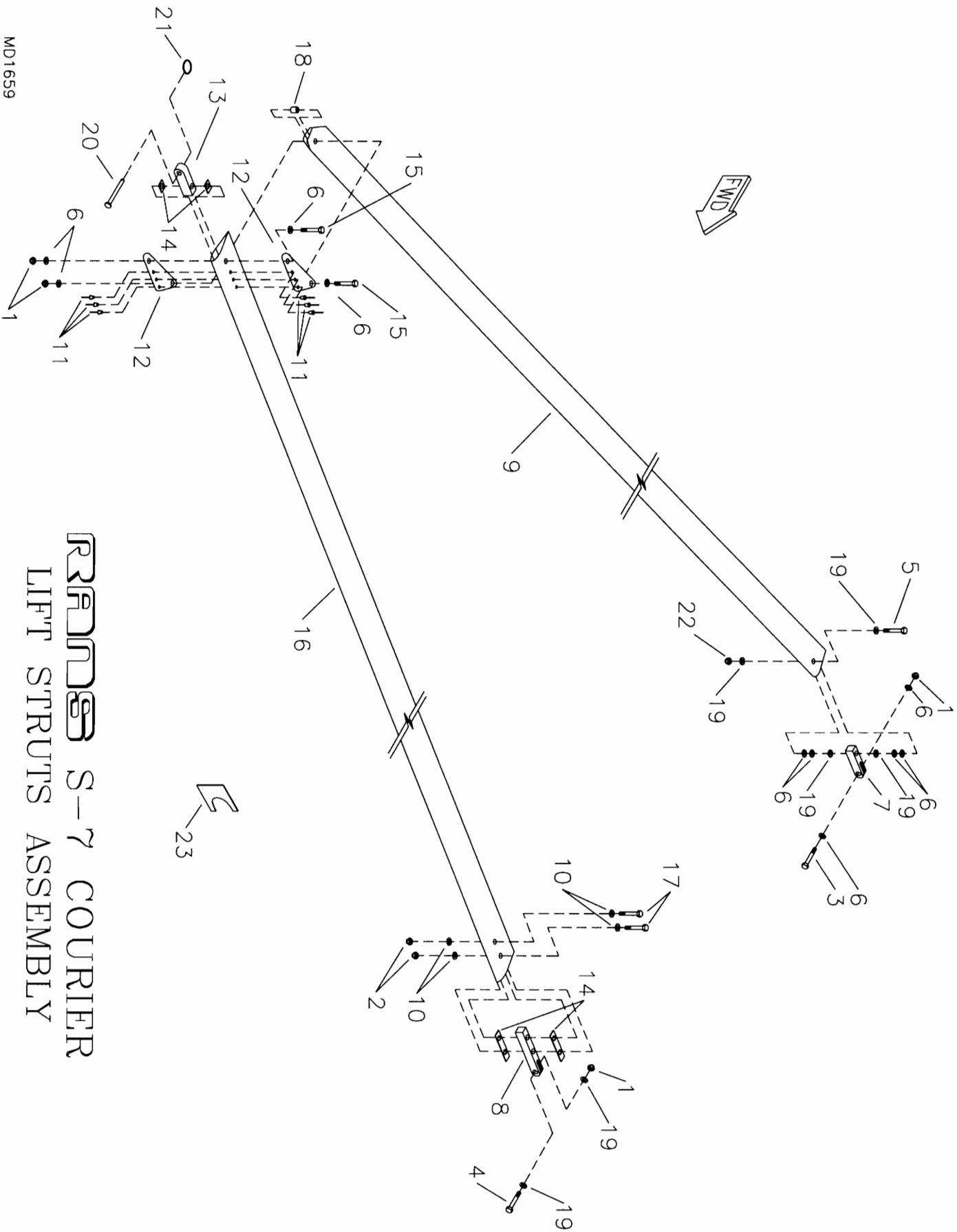


# RRM S-7 COURIER AILERON FRAME & SPADE ASSEMBLY

**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    | 16       |
| 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" *   | KAAC0002-7   | 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  | 10       |
| 16 . | Aileron Attach Angle, LH                 | W-AHAA-L     | 1        |
| 16 . | Aileron Attach Angle, RH                 | W-AHAA-R     | 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       |

\*Builder must fabricate from raw stock.



**S-7 COURIER**  
**LIFT STRUTS ASSEMBLY**

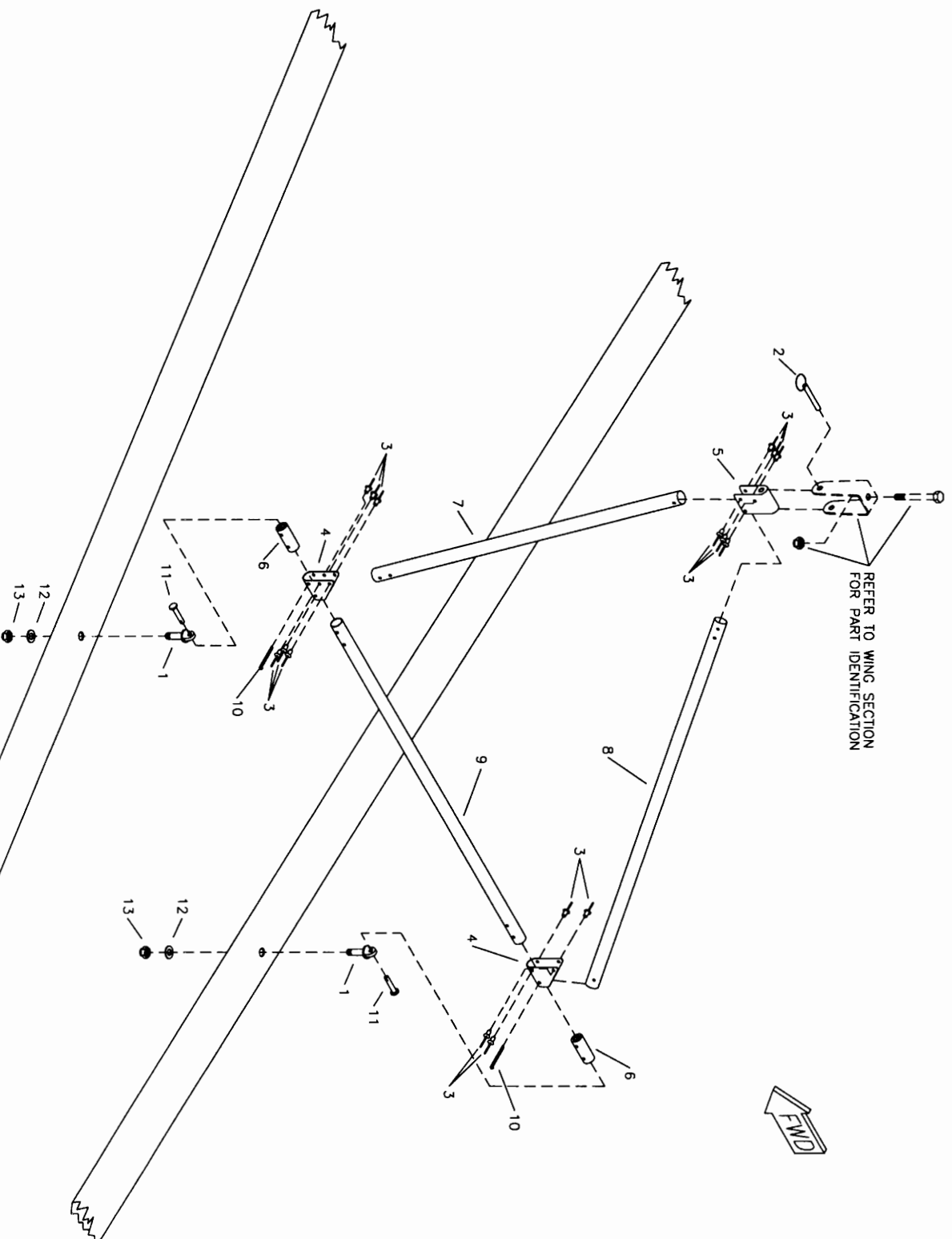
MD1659

**S-7 COURIER - LIFT STRUTS ASSEMBLY & INSTALLATION**

| #    | 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 . | Lift Strut Gussets                         | LS-GUS-116   | 4        |
| 13 . | Strut Connector, Aluminum                  | LS-SC-F-ALUM | 2        |
| 14 . | Universal Shim * , **                      | UNV-SHIM     | 4        |
| 15 . | 5/16" Bolt                                 | AN5-17A      | 4        |
| 16 . | FWD Lift Struts                            | KPWI0062     | 2        |
| 17 . | 1/4" Bolt                                  | AN4-15A      | 4        |
| 18 . | Anti Crush Bushing                         | W-ANTI-CB-1  | 2        |
| 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        |

\*Builder must fabricate from raw stock.

\*\*Use only if neccessary.



# REDUCED S-7 COURIER JURY STRUTS ASSEMBLY AND INSTALLATION

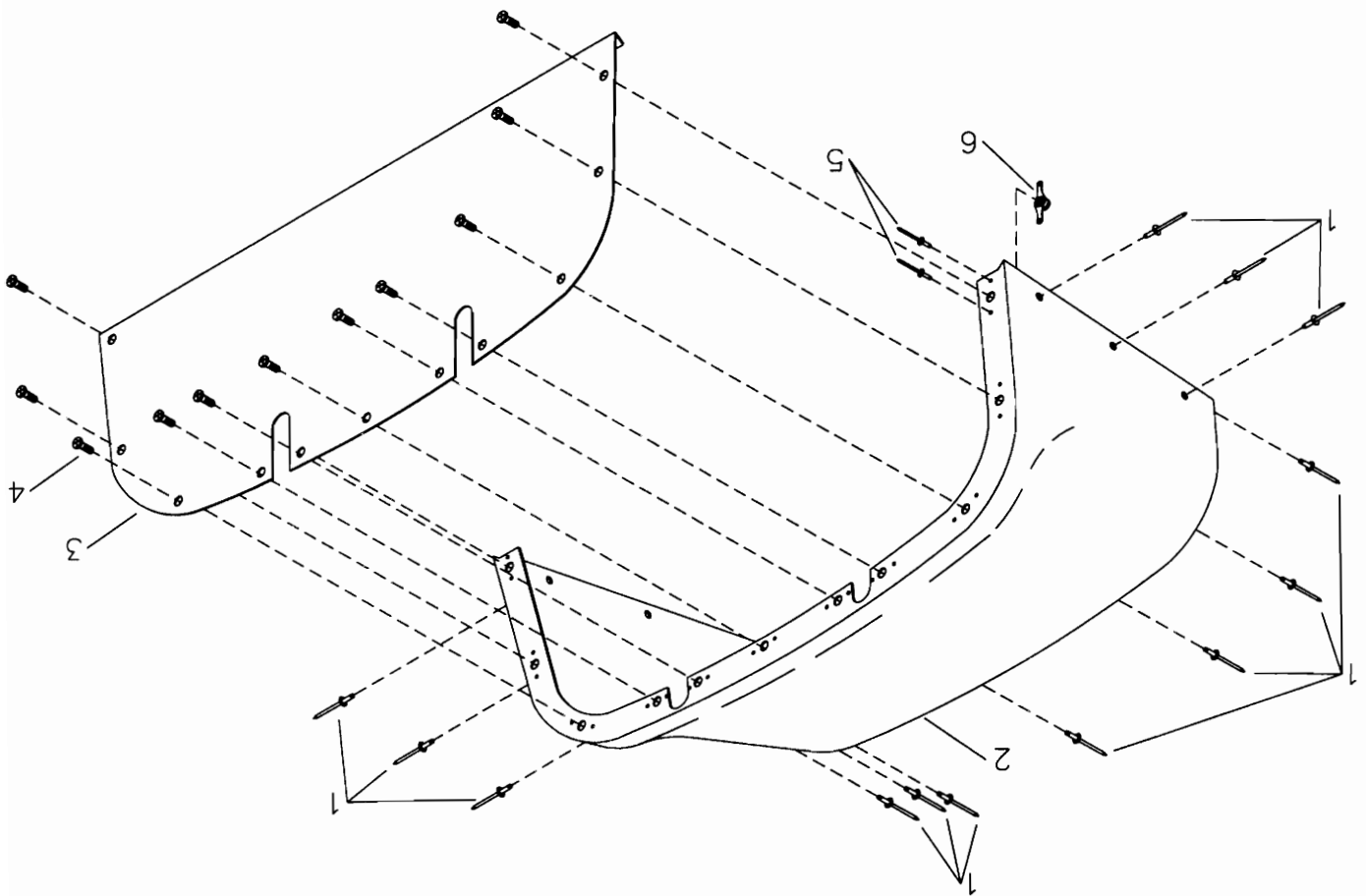
**S-7 COURIER - JURY STRUT ASSEMBLY & INSTALLATION**

| #    | 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 *     | KAAC0002-1   | 0        |
| 8 .  | Diagonal Jury Strut, 1/2" x .035 x X *    | KAAC0002-1   | 0        |
| 9 .  | Lower Jury Strut, 1/2" x .035 x X *       | KAAC0002-1   | 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 Acorn Nut                    | 42NKE-048    | 4        |

\*Builder must fabricate from raw stock.

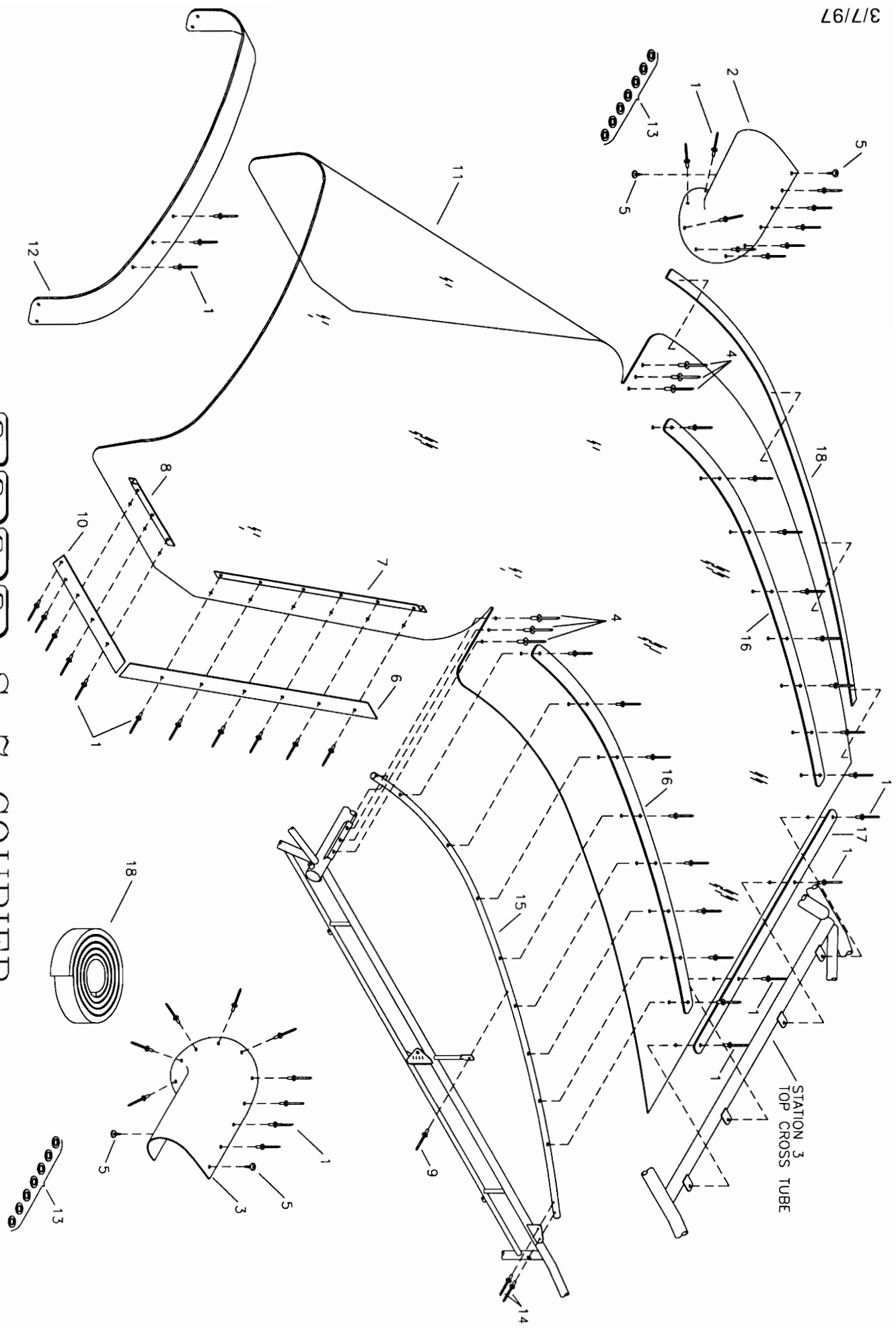
# RRMS S-7 COURIER INSTRUMENT PANEL AND PANEL HOUSING INSTALLATION

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 . | Machine Screw                  | AN515-8R7   | 11       |
| 5 . | 3/32" Aluminum Pop Rivet       | 40APR1/8    | 22       |
| 6 . | 8-32 Nut Plate                 | MS21047-08  | 11       |



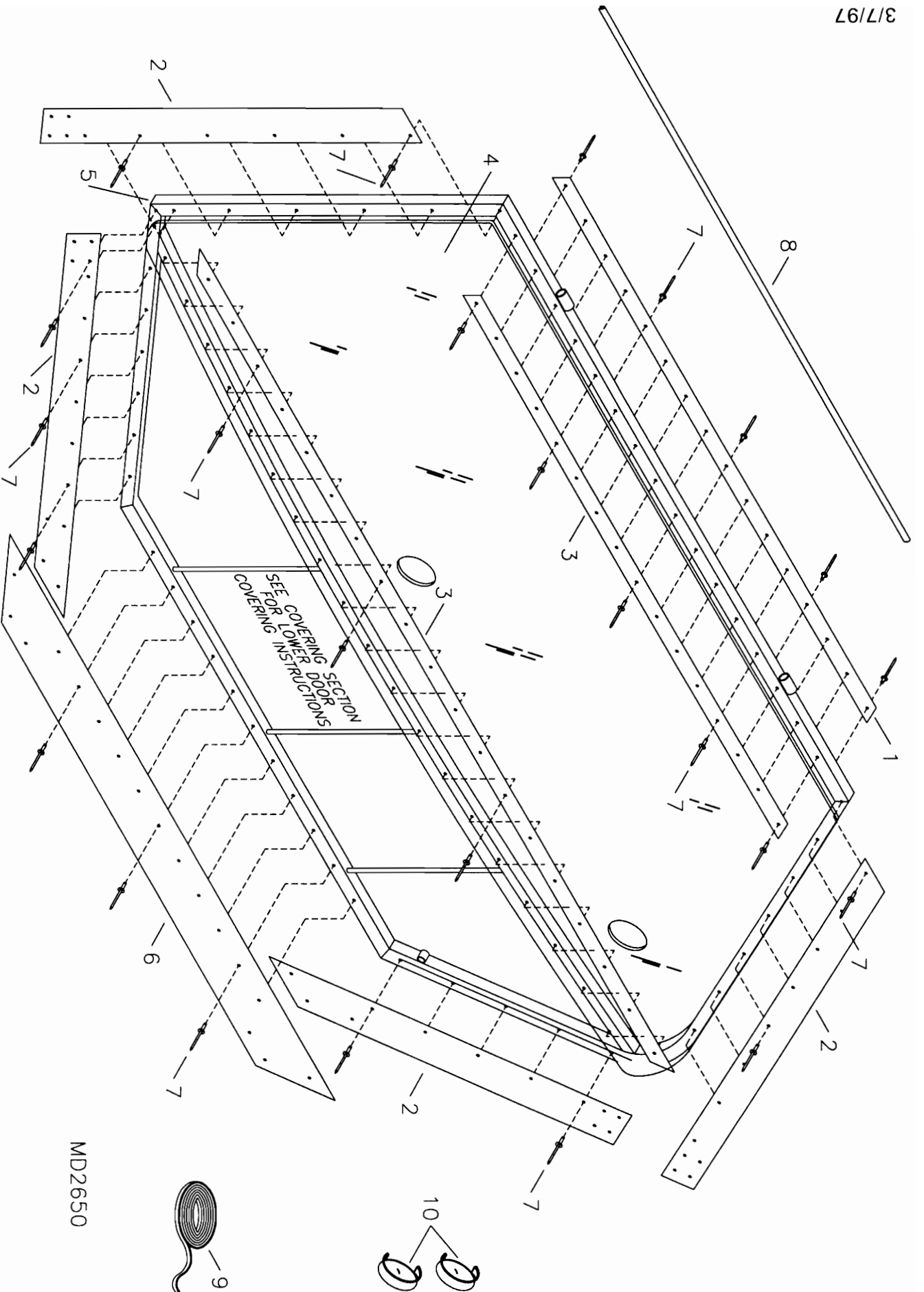
# RENAULT S-7 COURIER WINDSHIELD ASSEMBLY & INSTALLATION

MD2563

**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 Tape                           | KSAC0021    | 19 ft    |

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



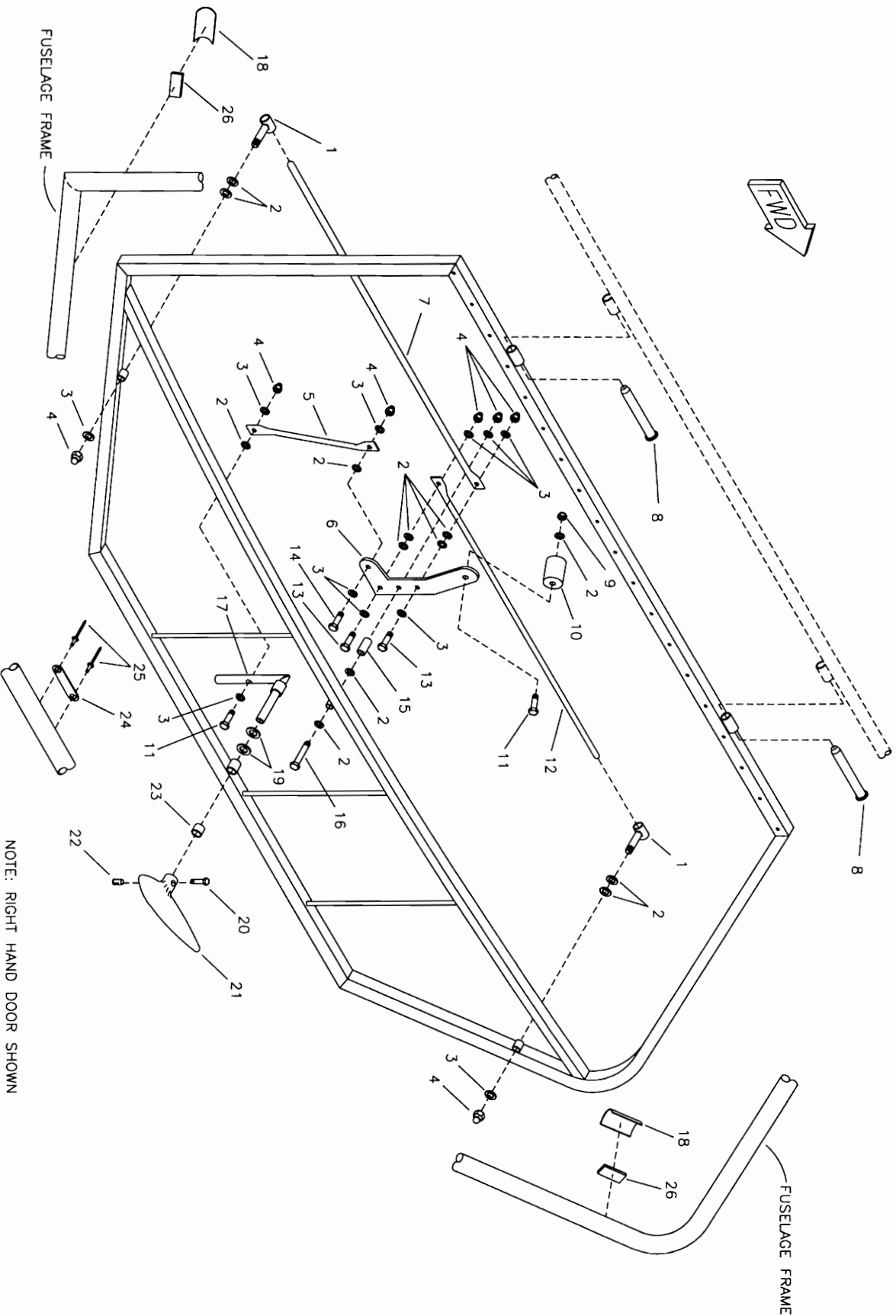
RRR S-7 COURIER  
DOOR ASSEMBLY (LEXAN & TRIM)

MD2650

**S-7 COURIER - DOOR ASSEMBLY**  
**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 *                 | D-W-GL            | 1        |
| 5 .  | Door Frame, LH                 | KADR0002-L        | 1        |
| 5 .  | Door Frame, RH                 | KADR0002-R        | 1        |
| 6 .  | Trim Strip - Lower *           | D-TS-2 1/4X38 1/2 | 2        |
| 7 .  | 1/8" Aluminum Pop Rivet - Avex | 1691-0410         | 180      |
| 8 .  | 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.



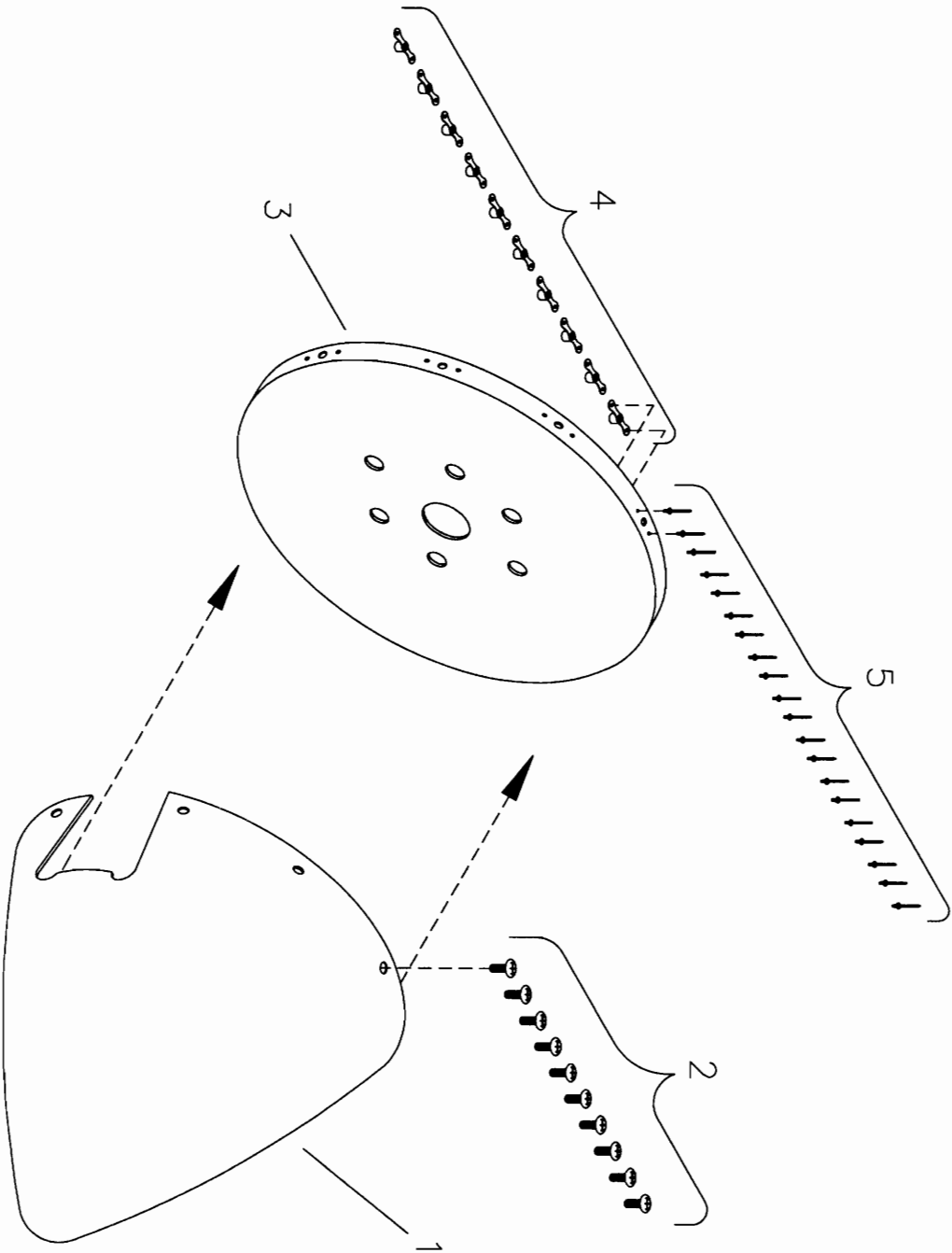
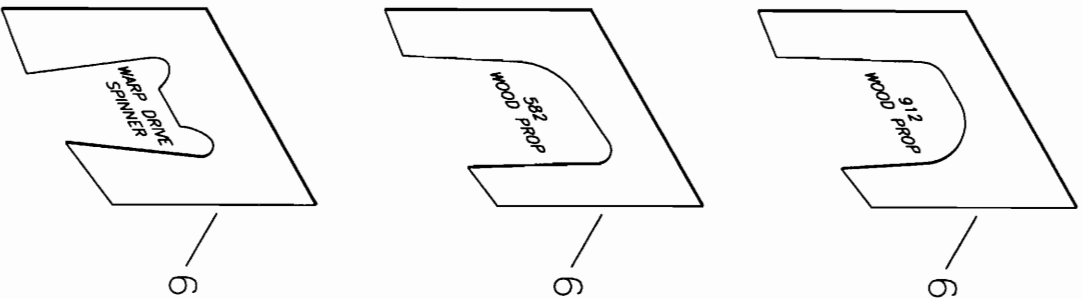
NOTE: RIGHT HAND DOOR SHOWN

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

**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    | 28       |
| 3 .  | 3/16" Thin Washer                         | AN960-10L   | 24       |
| 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 . | Trim Lever 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" *   | KAAC0002-4  | 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 *       | KAAC0002-5  | 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.

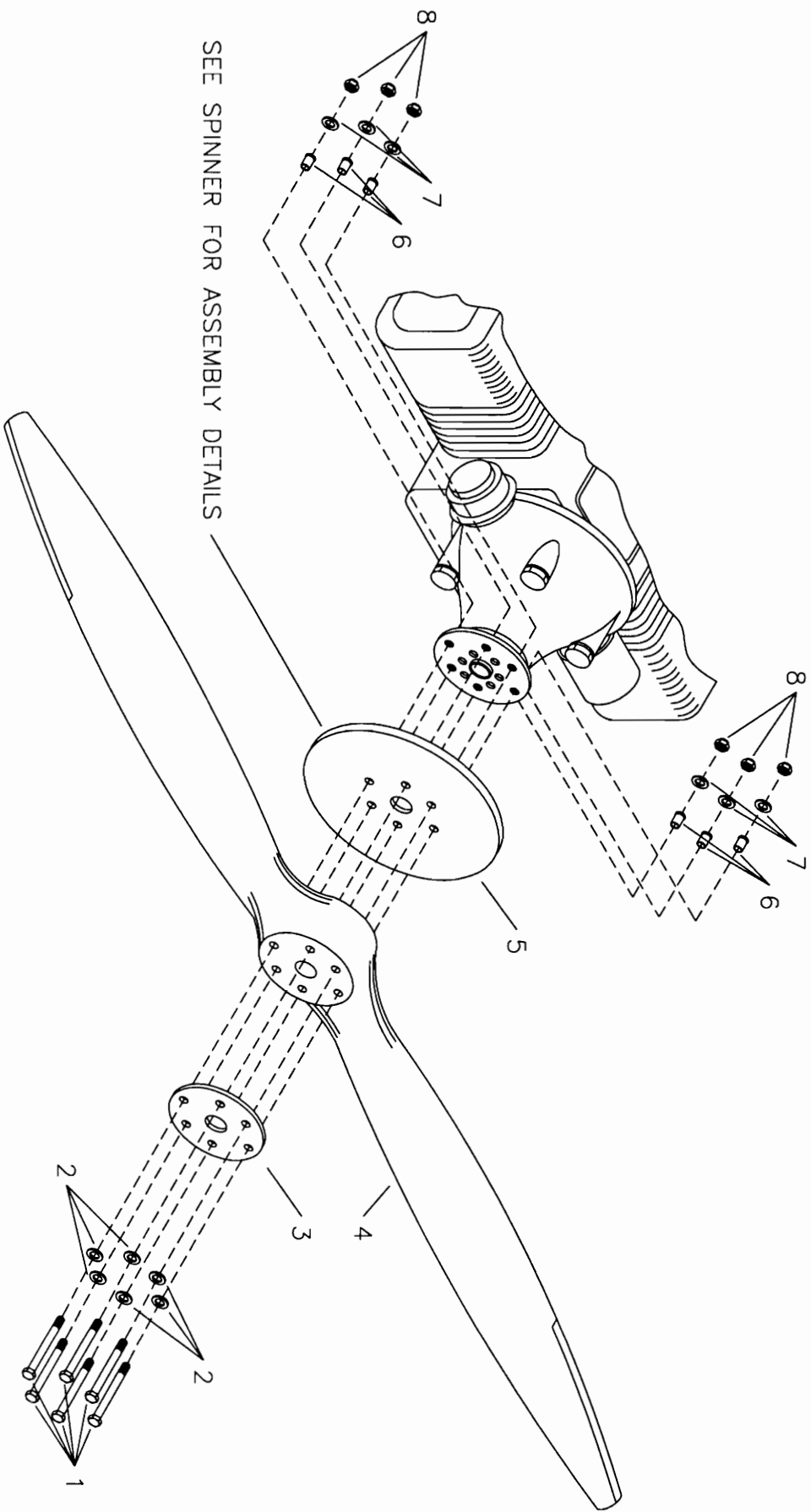


# RAMS S-7 COURIER 12" SPINNER ASSEMBLY

**S-7 COURIER - 12" SPINNER ASSEMBLY**

| #   | DESCRIPTION                         | PART NUMBER | QUANTITY |
|-----|-------------------------------------|-------------|----------|
| 1 . | Spinner Dome, 12"                   | SPIN-12     | 1        |
| 2 . | Pan Head Phillips Bolt              | KSHW0006    | 10       |
| 3 . | Spinner Backing Plate, 12" (-1 582) | 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.



912 TENNESSEE PROP ASSEMBLY

912 TENNESSEE PROP ASSEMBLY

**S-7 COURIER - 912 TENNESSEE PROP ASSEMBLY**  
**STANDARD**

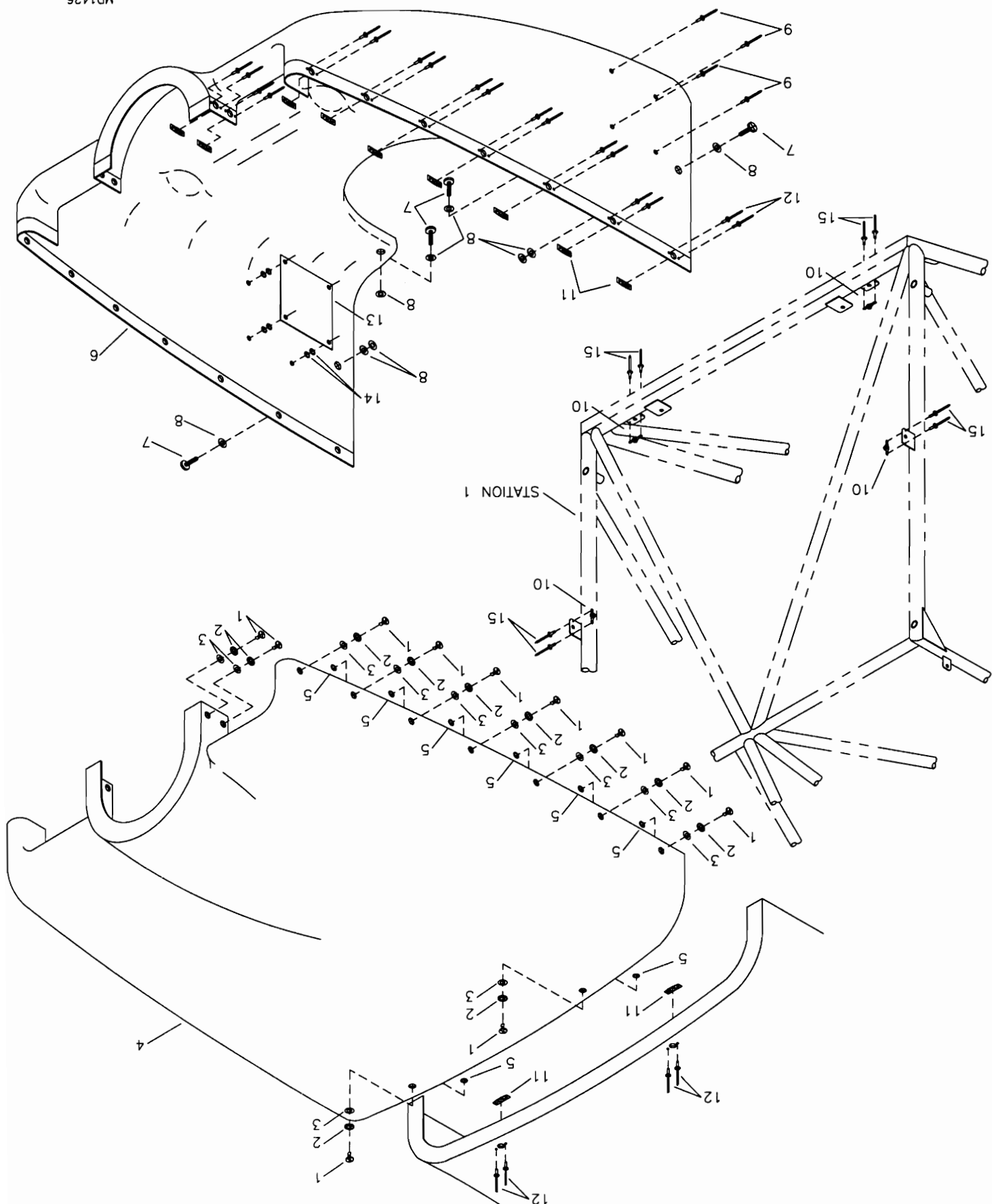
| #   | DESCRIPTION                             | PART NUMBER | QUANTITY |
|-----|-----------------------------------------|-------------|----------|
| 1 . | 5/16" Bolt (-6 OPT PROP)                | AN5-41A     | 6        |
| 2 . | 5/16" Thin Washer (-6 OPT PROP)         | AN960-516L  | 6        |
| 3 . | Crush Plate *                           | -----       | 0        |
| 4 . | Tennessee Propeller-912 (-1 OPT PROP)   | KSPW0004    | 1        |
| 5 . | Spinner Backing Plate, 12" **           | KPPW0042    | 0        |
| 6 . | Flange Bushing - 912                    | KPPW0038    | 6        |
| 7 . | 5/16" Thick Washer (-6 OPT PROP)        | AN960-516   | 6        |
| 8 . | 5/16" Steel Insert Locnut (-6 OPT PROP) | AN365-524C  | 6        |

\*Supplied with Engine.

\*\*Referenced from Spinner Assembly & Installation.

# RRMS S-7 COURIER COWLING ASSEMBLY AND INSTALLATION

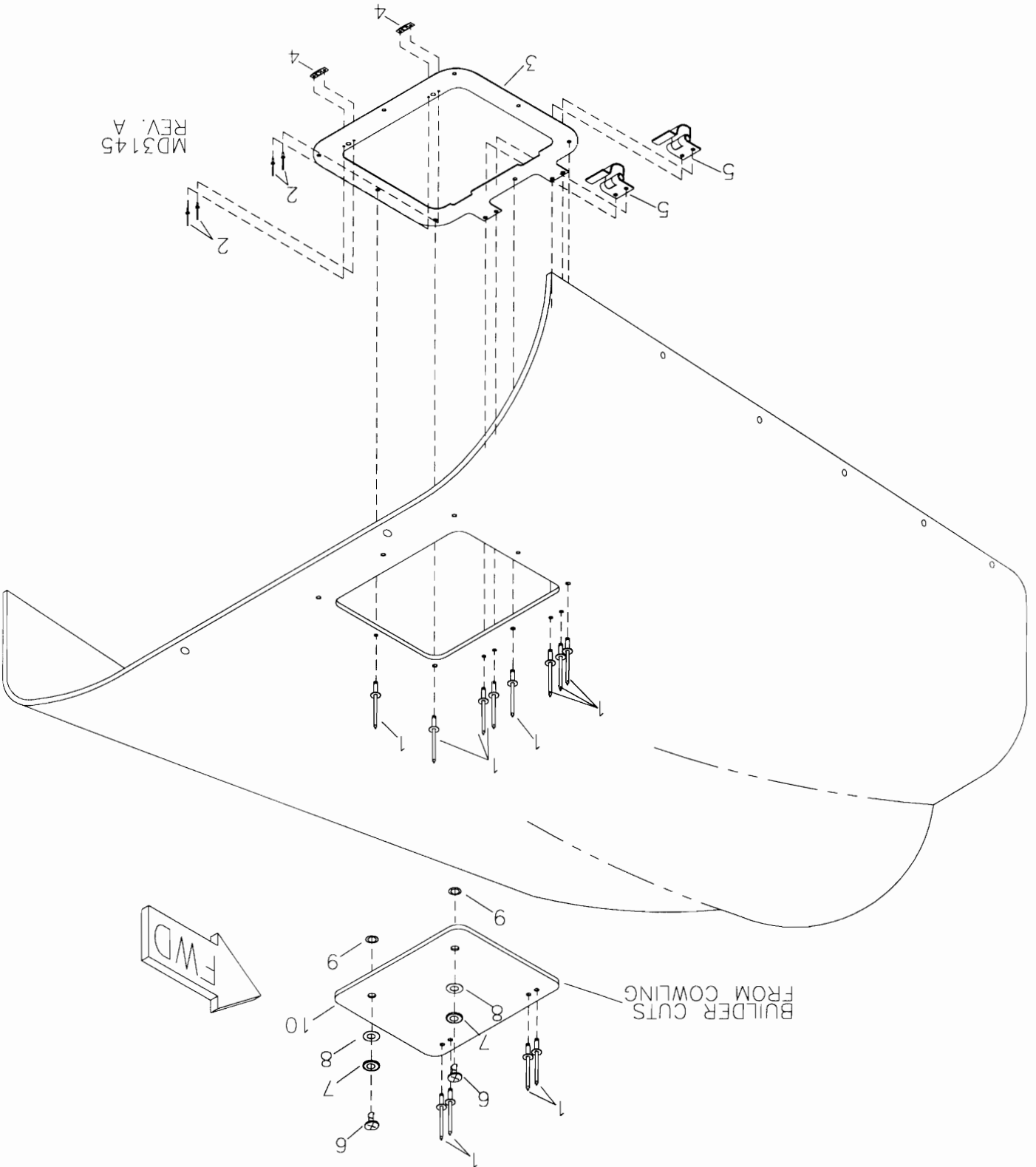
MD1426



**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 (-1 582)                        | KPCW0008       | 1        |
| 5 .  | Snap Ring                                   | #101           | 14       |
| 6 .  | Cowling Bottom (-1 582)                     | 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 (-8 582) | 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 (-2 582)            | KPCW0011       | 2        |
| 14 . | 1/8" Small Brass Washer (-16 582)           | AN960-B4       | 16       |
| 15 . | 3/32" Aluminum Pop Rivet                    | 40APR1/8       | 8        |
| 16 . | Cowling Bottom (-1 912)                     | C-BOT(9)       | 1        |
| 17 . | Cowling Top (-1 912)                        | C-TOP(9)       | 1        |

# RPM S-7 COURIER OIL CHECK DOOR



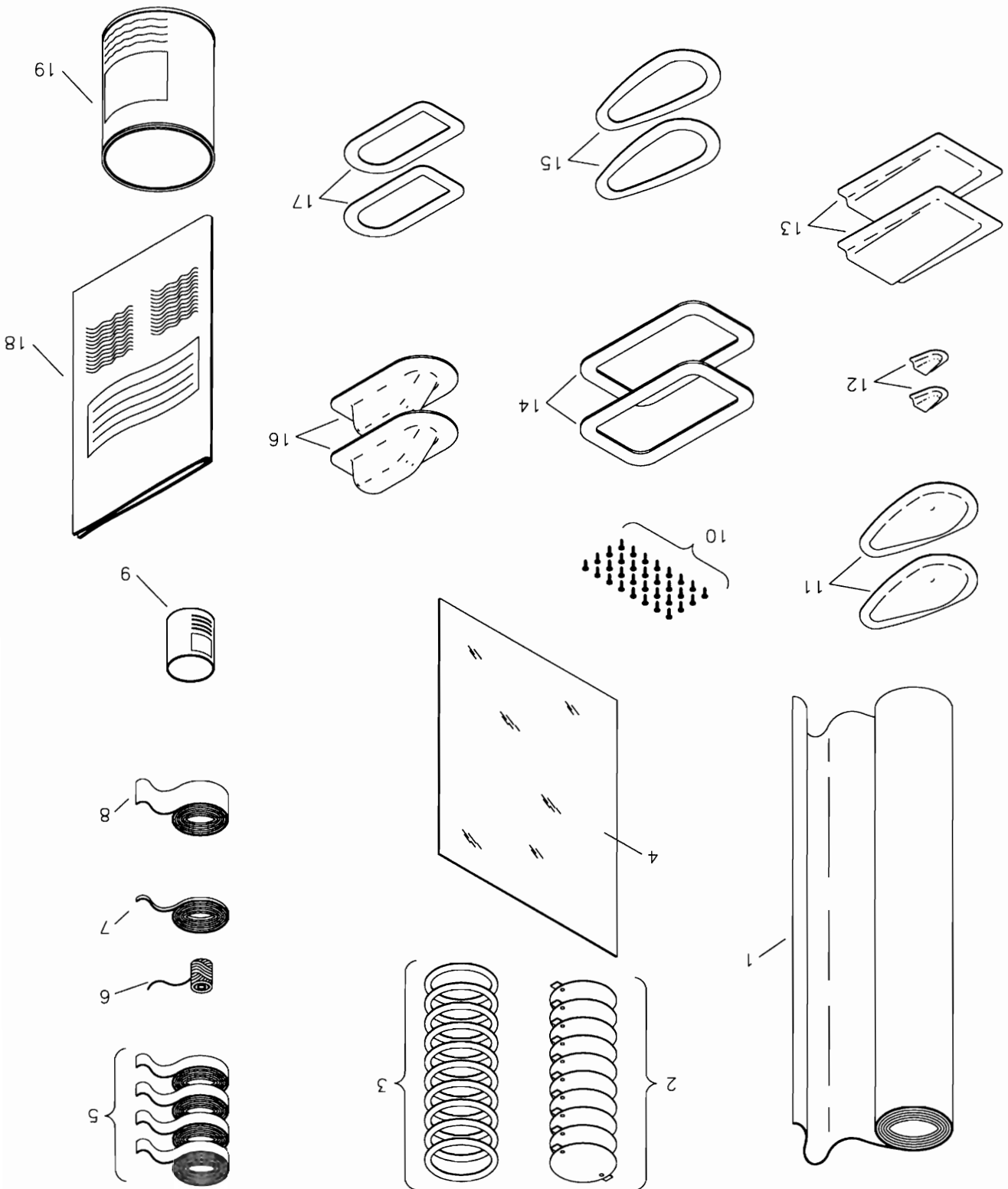
**S-7 COURIER - OIL CHECK DOOR INSTALLATION**

| #    | 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 cowlng.

# RPM S-7 COURIER COVERING SUPPLIES

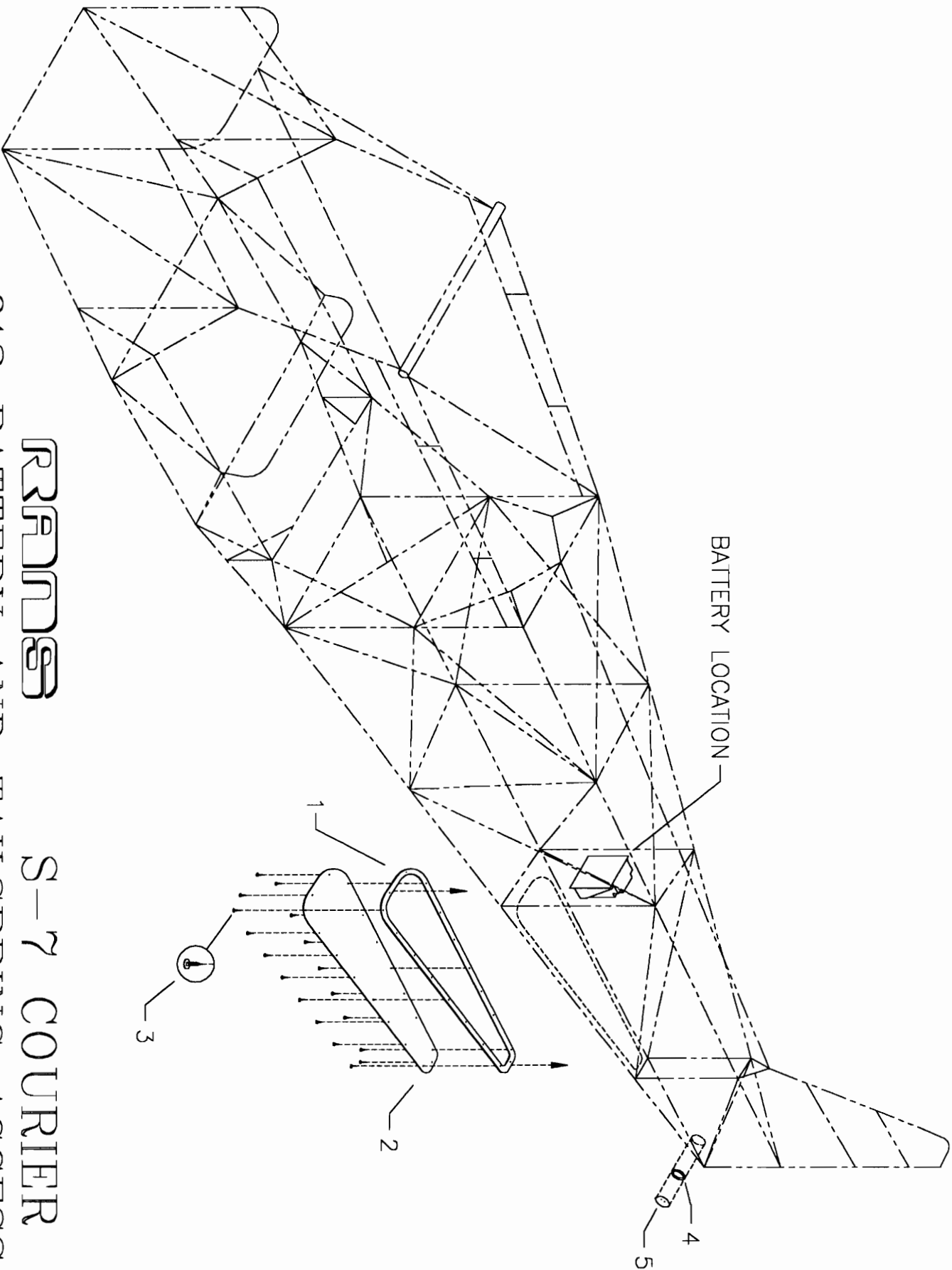
MD2394



**S-7 COURIER - COVERING SUPPLIES**

| #    | DESCRIPTION                      | PART NUMBER | QUANTITY |
|------|----------------------------------|-------------|----------|
| 1 .  | Aircraft Fabric                  | CV-S7       | 38 yds   |
| 2 .  | Inspection Plate                 | CV-IP       | 9        |
| 3 .  | Inspection Ring                  | CV-IR       | 7        |
| 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 .  | Rib Tape                         | RIB TAPE    | 1 rls    |
| 8 .  | 4" Surface Tape                  | 4 TAPE      | 40 ft    |
| 9 .  | U-500 Urethane Adhesive          | KSCV0001    | 3 qts    |
| 10 . | #4 Small Pan Head Screw          | 4X1/4 PHS   | 60       |
| 11 . | Flap Teleflex Exit               | KPWI0226    | 2        |
| 12 . | Rudder Cable Exit                | CV-RX       | 2        |
| 13 . | Aileron Push Pull Tube Exit      | KPWI0260    | 2        |
| 14 . | Aileron Push Pull Tube Exit Ring | KPCV0017    | 2        |
| 15 . | Flap Teleflex Exit Ring          | KPCV0010    | 2        |
| 16 . | Elevator Yoke Exit               | KPWI0227    | 2        |
| 17 . | Elevator Yoke Exit Ring          | KPCV0011    | 2        |
| 18 . | Superflite Covering Manual       | KSCV0002    | 1        |
| 19 . | Poly Brush *                     | -----       | 0        |

\*Builder supplies.

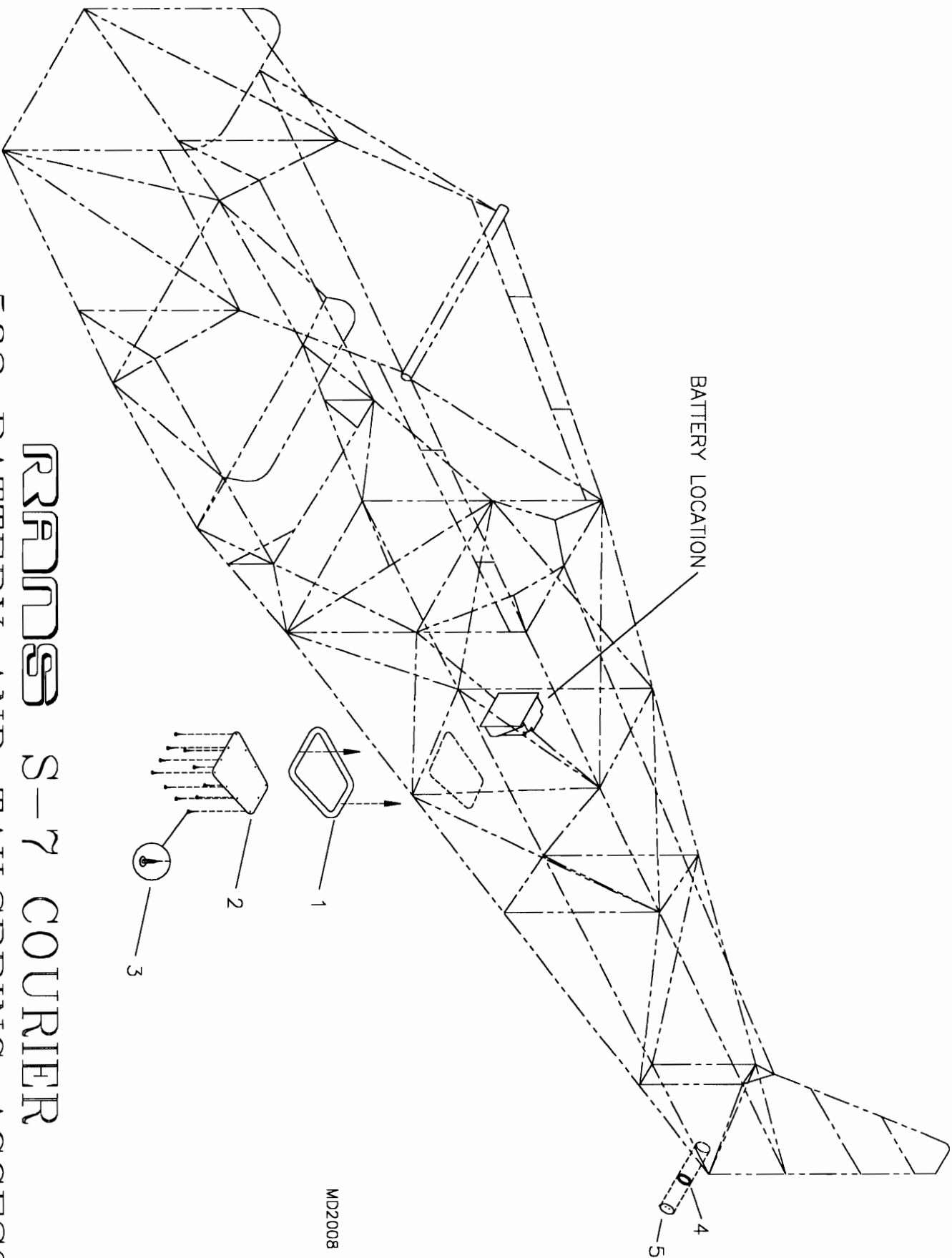


MD286

REFUGES S-7 COURIER  
912 BATTERY AND TAILSPRING ACCESS

**S-7 COURIER - 912 BATTERY & TAILSPRING ACCESS**

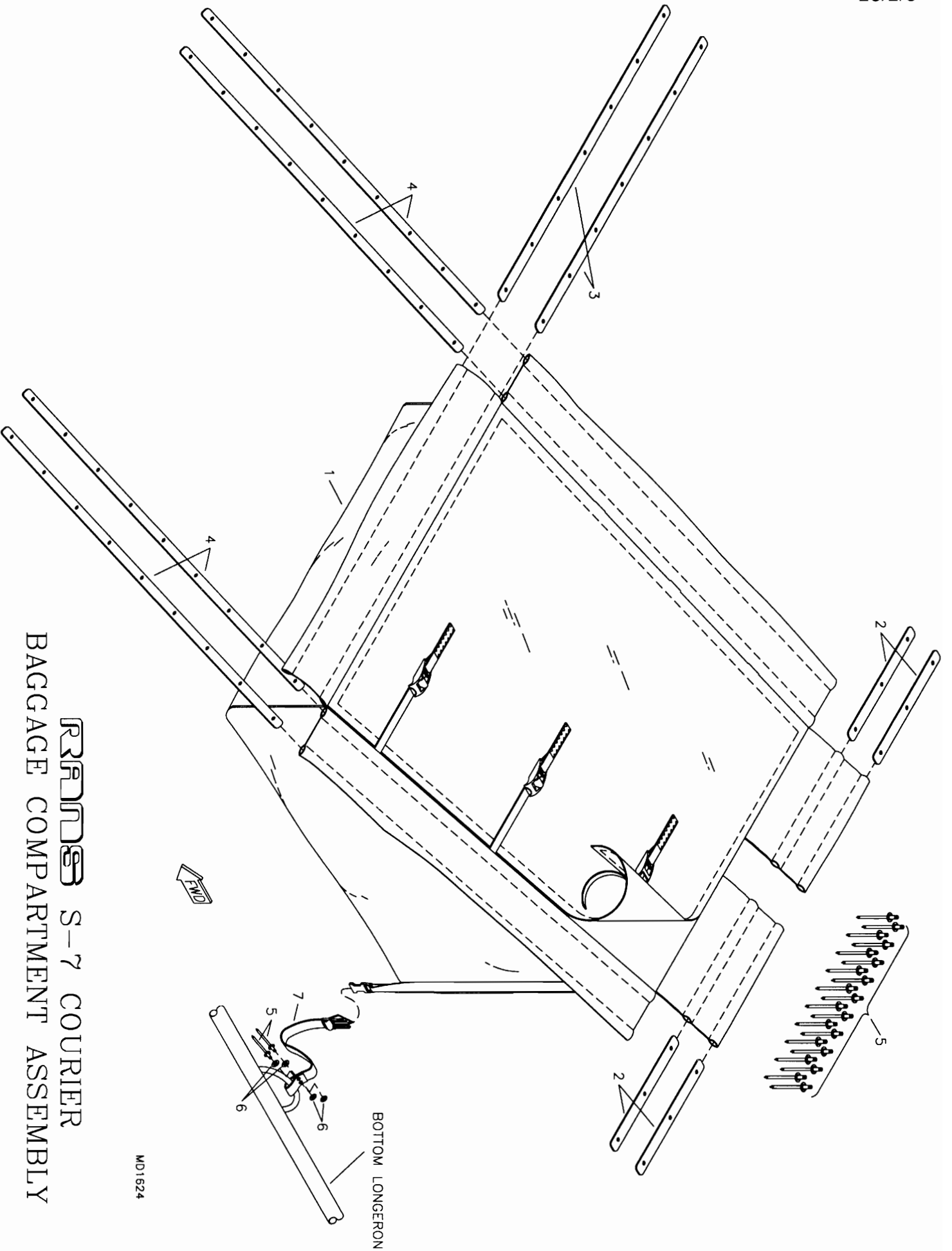
| #   | DESCRIPTION             | PART NUMBER | QUANTITY |
|-----|-------------------------|-------------|----------|
| 1 . | Cover Panel Ring        | CV-PR       | 1        |
| 2 . | Cover Panel             | CV-P        | 1        |
| 3 . | #4 Small Pan Head Screw | 4X1/4 PHS   | 20       |
| 4 . | Inspection Ring         | CV-IR       | 1        |
| 5 . | Inspection Plate        | CV-IP       | 1        |



582 BATTERY AND TAILSPRING ACCESS

**S-7 COURIER - 582 BATTERY & TAIL SPRING ACCESS**

| #   | DESCRIPTION             | PART NUMBER | QUANTITY |
|-----|-------------------------|-------------|----------|
| 1 . | Tail Access Ring        | KPCV0003    | 1        |
| 2 . | Tail Access Plate       | KPCV0004    | 1        |
| 3 . | #4 Small Pan Head Screw | 4X1/4 PHS   | 11       |
| 4 . | Inspection Ring         | CV-IR       | 1        |
| 5 . | Inspection Plate        | CV-IP       | 1        |



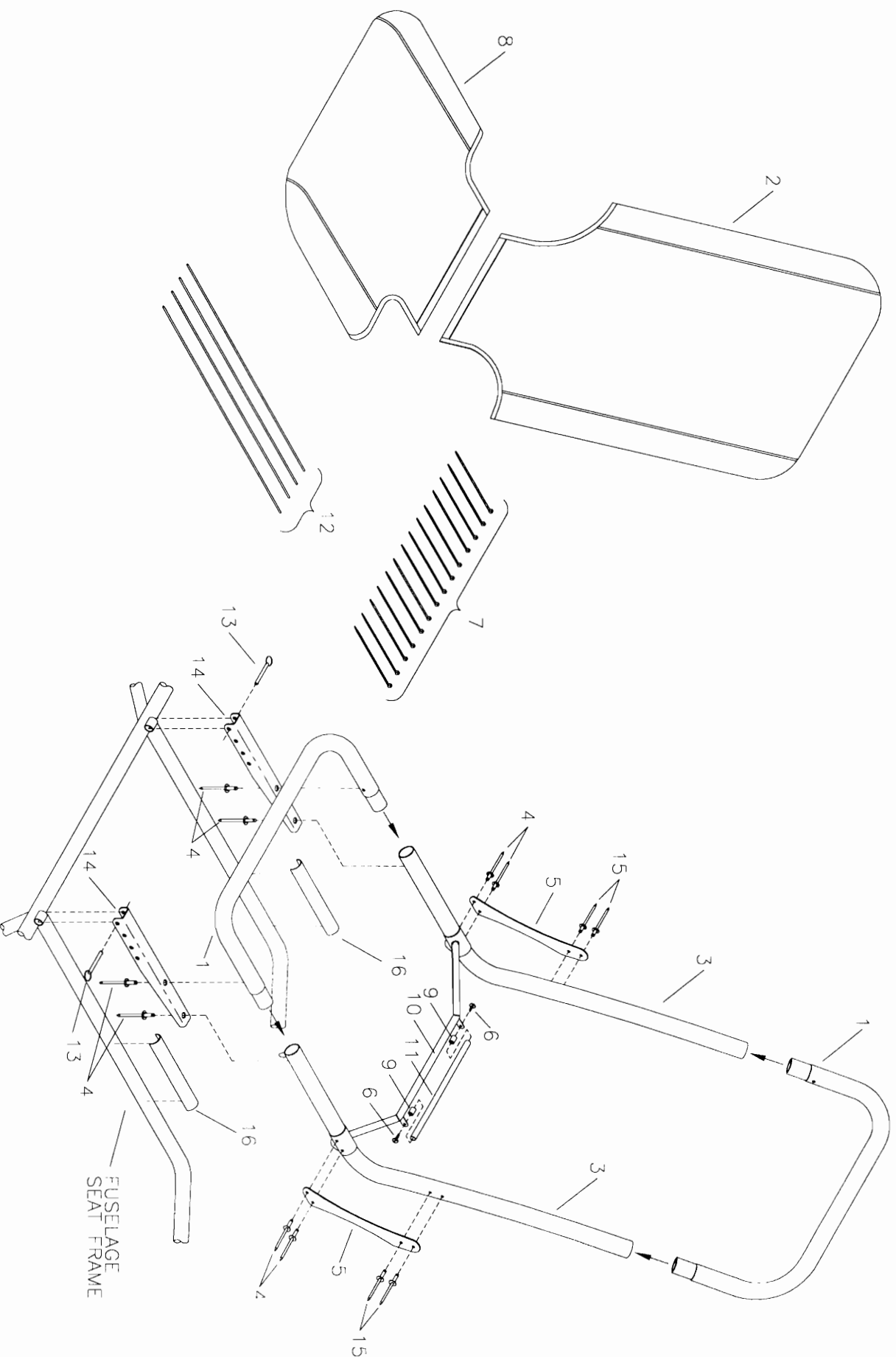
MD1624

**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 **  | KAAC0002-10 | 0        |
| 3 . | FWD Plate - Baggage Compart, 1/2" x .040 x X **  | KAAC0002-10 | 0        |
| 4 . | Side Plate - Baggage Compart, 1/2" x .040 x X ** | KAAC0002-10 | 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.

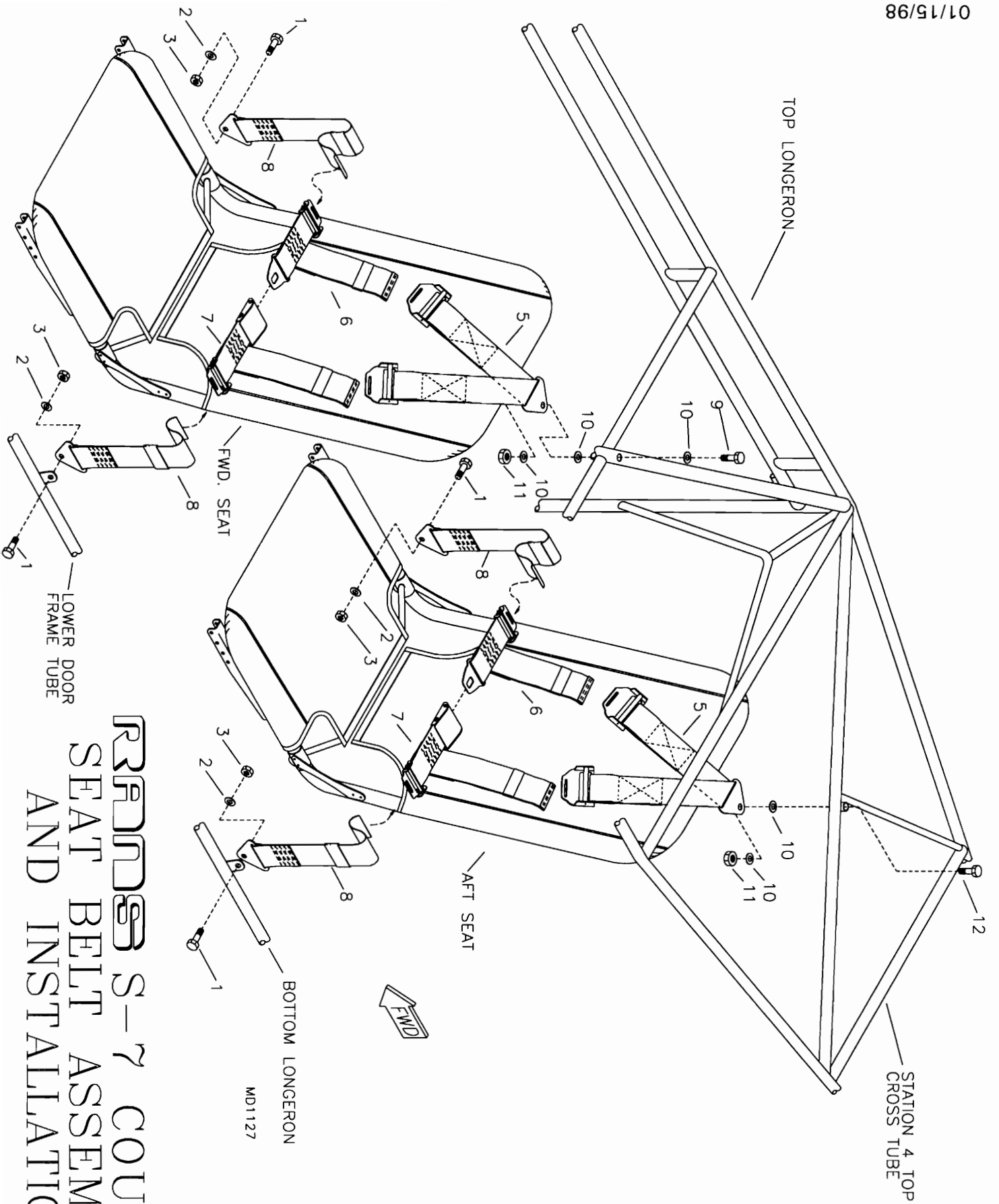


# RRADSS-7 COURIER SEAT FRAME & UPHOLSTERY

MD943  
REV. B

**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           | 16       |
| 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 . | 3/16" Stainless Steel Pop Rivet - Cherry Q | CCPQ-62           | 8        |
| 16 . | Anti-Chafe Tape                            | KSAC0035          | 2 ft     |

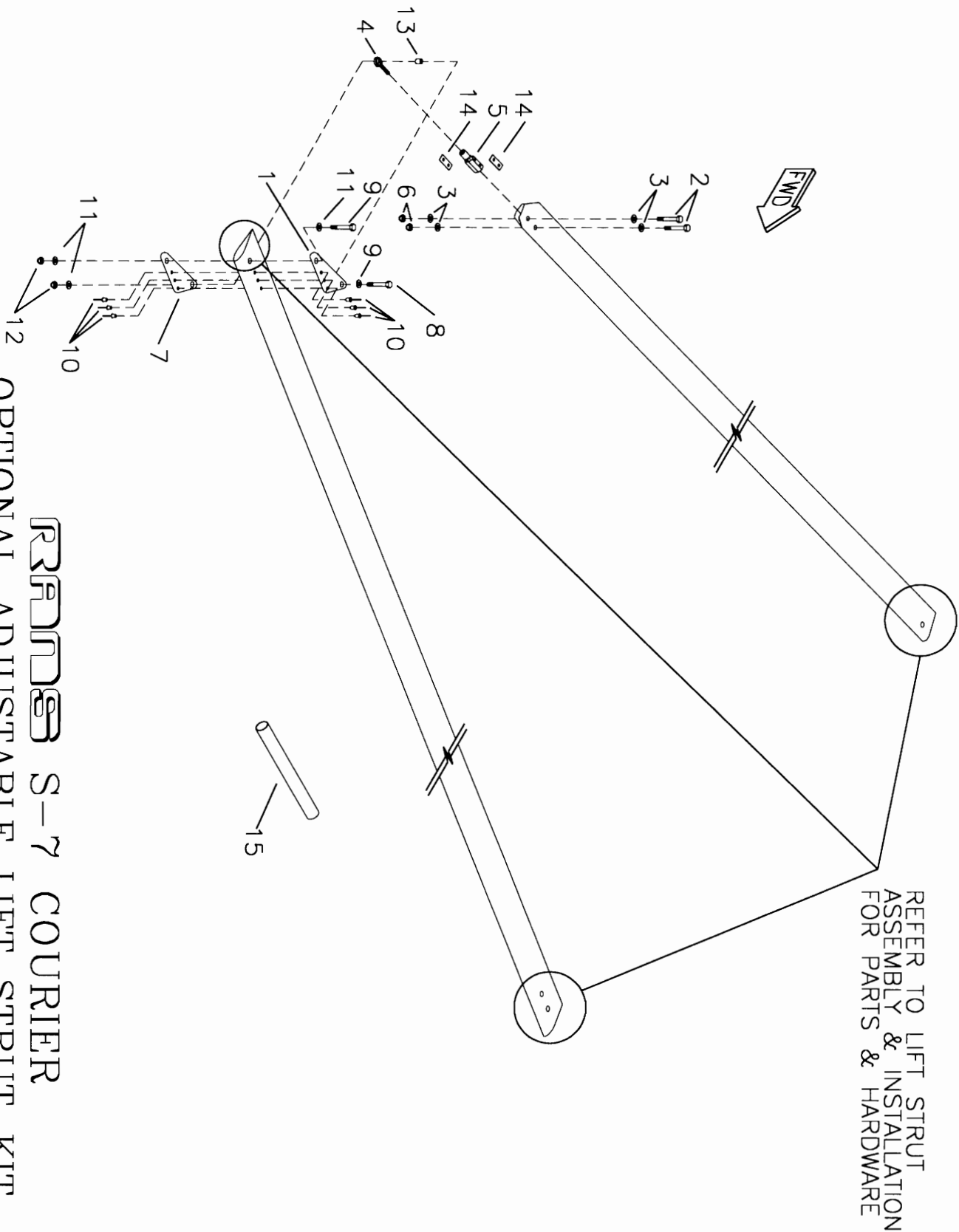


# 3rd S-7 COURIER SEAT BELT ASSEMBLY AND INSTALLATION

**S-7 COURIER - SEAT BELT ASSEMBLY & INSTALLATION**

| #    | 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  | 8        |
| 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.



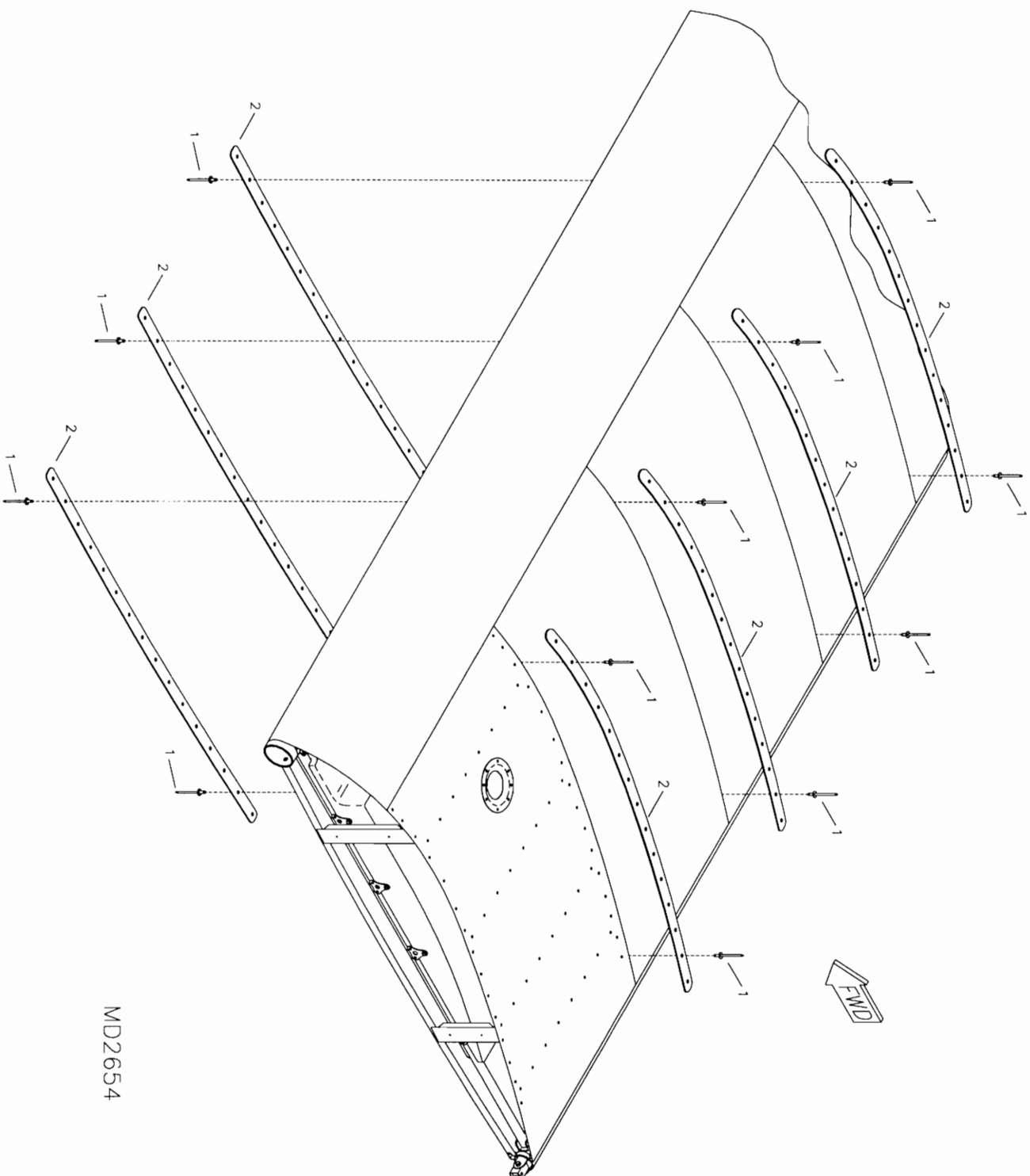
**RPD S-7 COURIER**  
**OPTIONAL ADJUSTABLE LIFT STRUT KIT-**  
**ASSEMBLY AND INSTALLATION**

**S-7 COURIER - OPTIONAL ADJUSTABLE LIFT STRUT KIT ASS'Y & INSTALL**

| #    | DESCRIPTION                                  | PART NUMBER    | QUANTITY |
|------|----------------------------------------------|----------------|----------|
| 1 .  | Gusset Plate                                 | 116-S-GUSS-A   | 2        |
| 2 .  | 3/16" Bolt                                   | AN3-15A        | 4        |
| 3 .  | 3/16" Thin Washer                            | AN960-10L      | 8        |
| 4 .  | Rod End                                      | 3/8X24 ROD END | 2        |
| 5 .  | Adjustor End                                 | S-AE-1         | 2        |
| 6 .  | 3/16" Shear Nut                              | AN364-1032A    | 4        |
| 7 .  | Gusset Plate                                 | 116-S-GUSS-B   | 2        |
| 8 .  | 5/16" Bolt                                   | AN5-11A        | 2        |
| 9 .  | 5/16" Bolt *                                 | AN5-17A        | 0        |
| 10 . | 3/16" Stainless Steel Pop Rivet - Cherry Q * | CCPQ-64        | 0        |
| 11 . | 5/16" Thick Washer *                         | AN960-516      | 0        |
| 12 . | 5/16" Shear Nut *                            | AN364-524A     | 0        |
| 13 . | Aluminum Bushing, 3/8" x .035 x 1/2" **      | KAAC0020-1     | 0        |
| 14 . | Universal Shim *                             | UNV-SHIM       | 0        |
| 15 . | Adjustable Lift Strut - Raw Stock Kit        | KAAC0020       | 1        |

\*Referenced from Lift Struts Assembly & Installation.

\*\*Builder must fabricate from raw stock.



MD2654

# REPLACES-7 COURIER - OPTIONAL RIVETING METHOD (REPLACING RIB STITCHING)

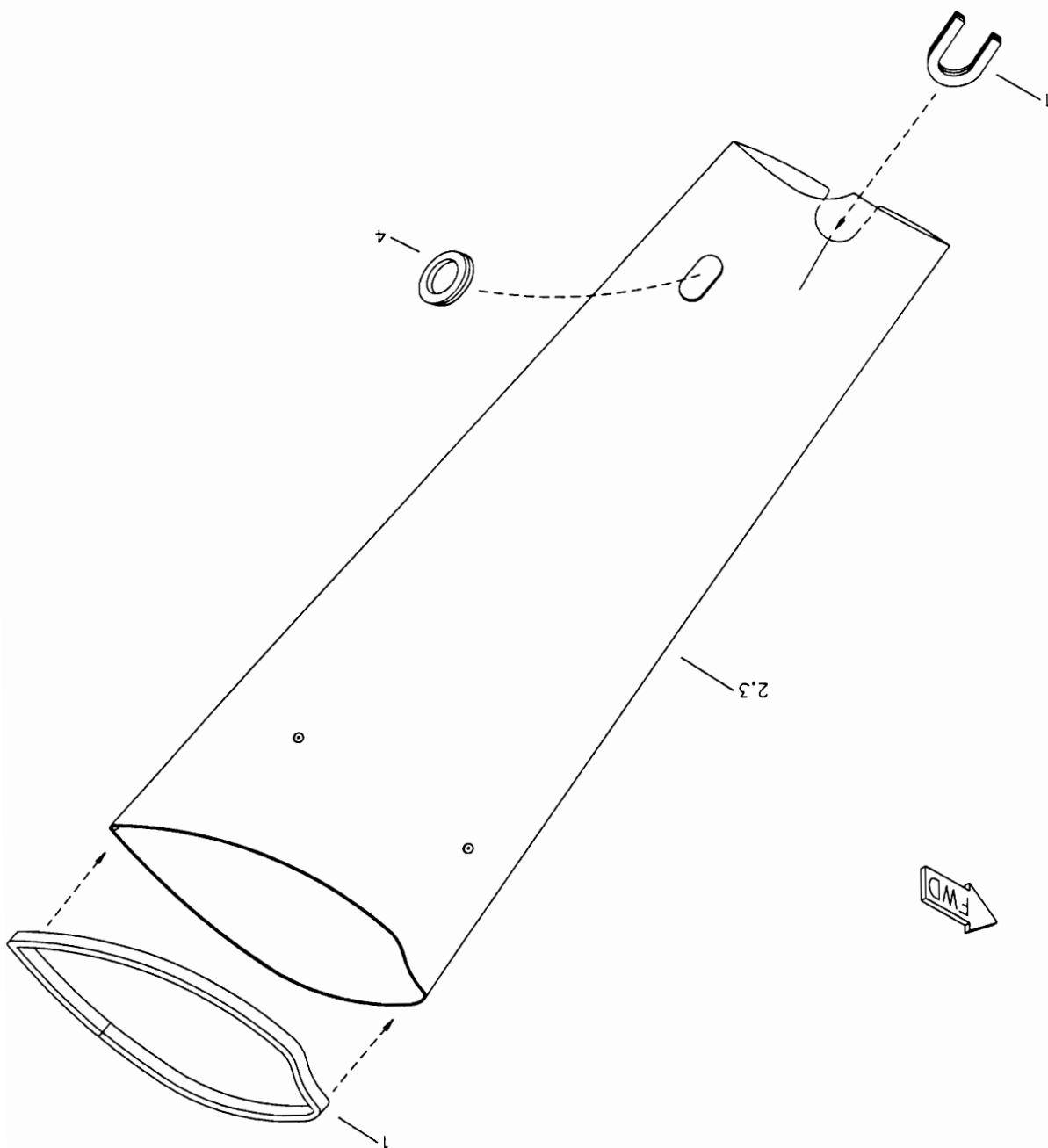
**S-7 COURIER - OPTIONAL RIVETING METHOD**  
**(REPLACING RIB STITCHING)**

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

# RRMS S-7 COURIER OPTIONAL GEAR LEG FAIRING ASSEMBLY

MD1419

NOTE: LEFT GEAR LEG FAIRING ASSEMBLY SHOWN.

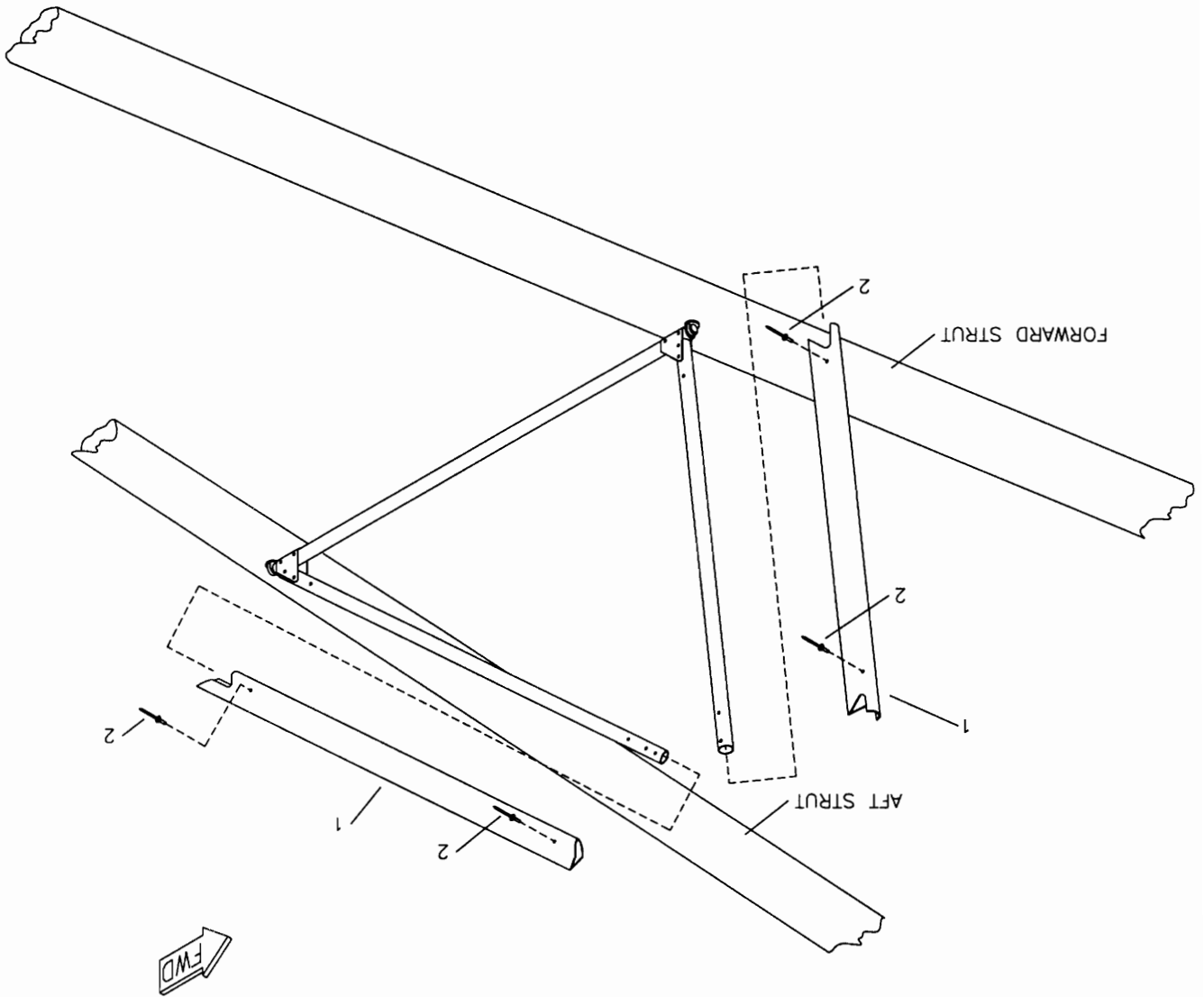


**S-7 COURIER - OPTIONAL GEAR LEG FAIRING ASSEMBLY**

| #   | DESCRIPTION          | PART NUMBER | QUANTITY |
|-----|----------------------|-------------|----------|
| 1 . | Rubber Edging        | X1011       | 3 ft     |
| 2 . | Gear Leg Fairing, LH | KPMG0090-LH | 1        |
| 3 . | Gear Leg Fairing, RH | KPMG0090-RH | 1        |
| 4 . | Rubber Grommet       | MS35489-17  | 2        |

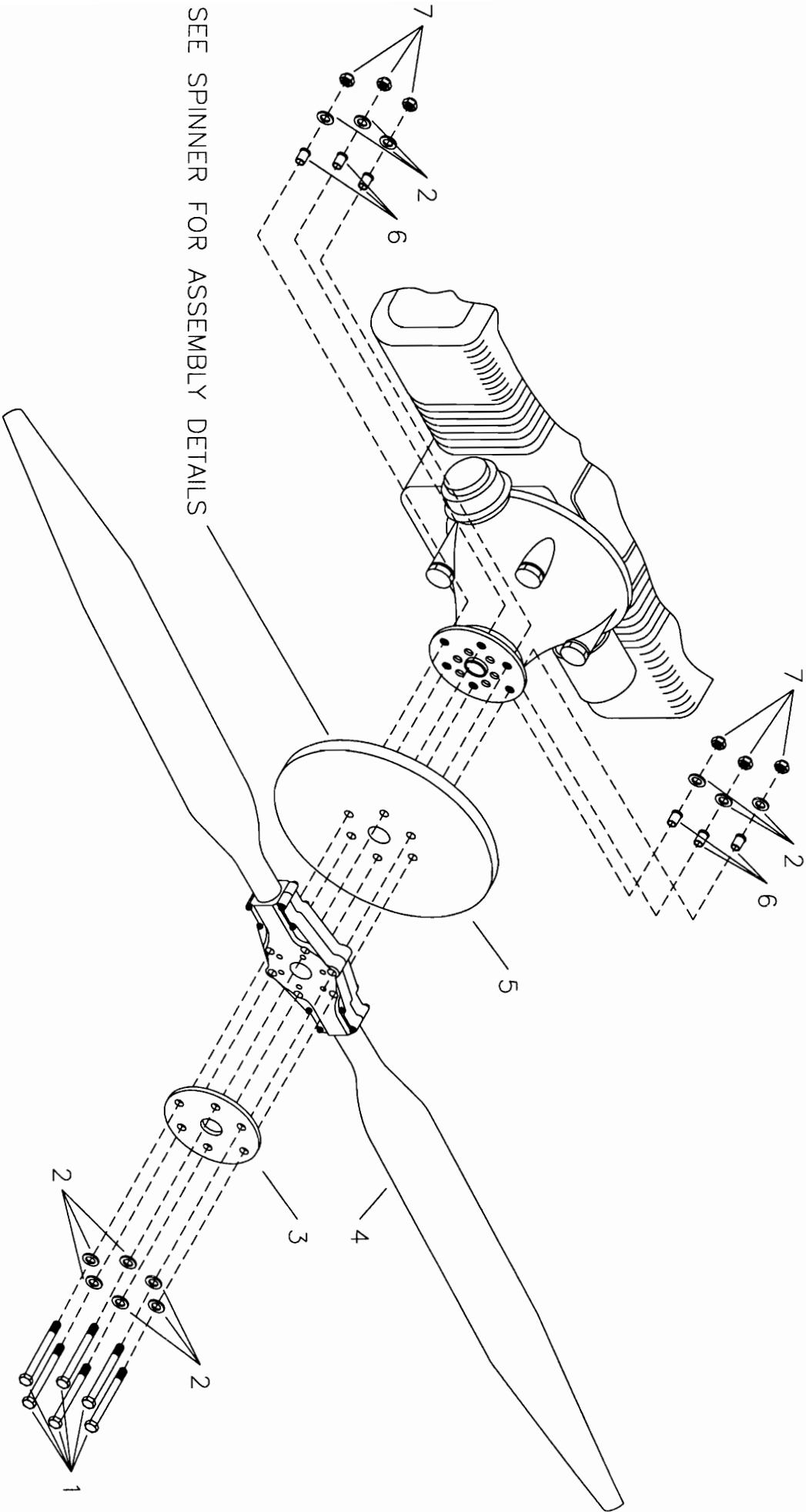
# RMS S-7 COURIER OPTIONAL JURY STRUT FAIRING INSTALLATION

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        |



R3000 S-7 COURIER  
OPTIONAL 912 WARP DRIVE PROP ASSEMBLY

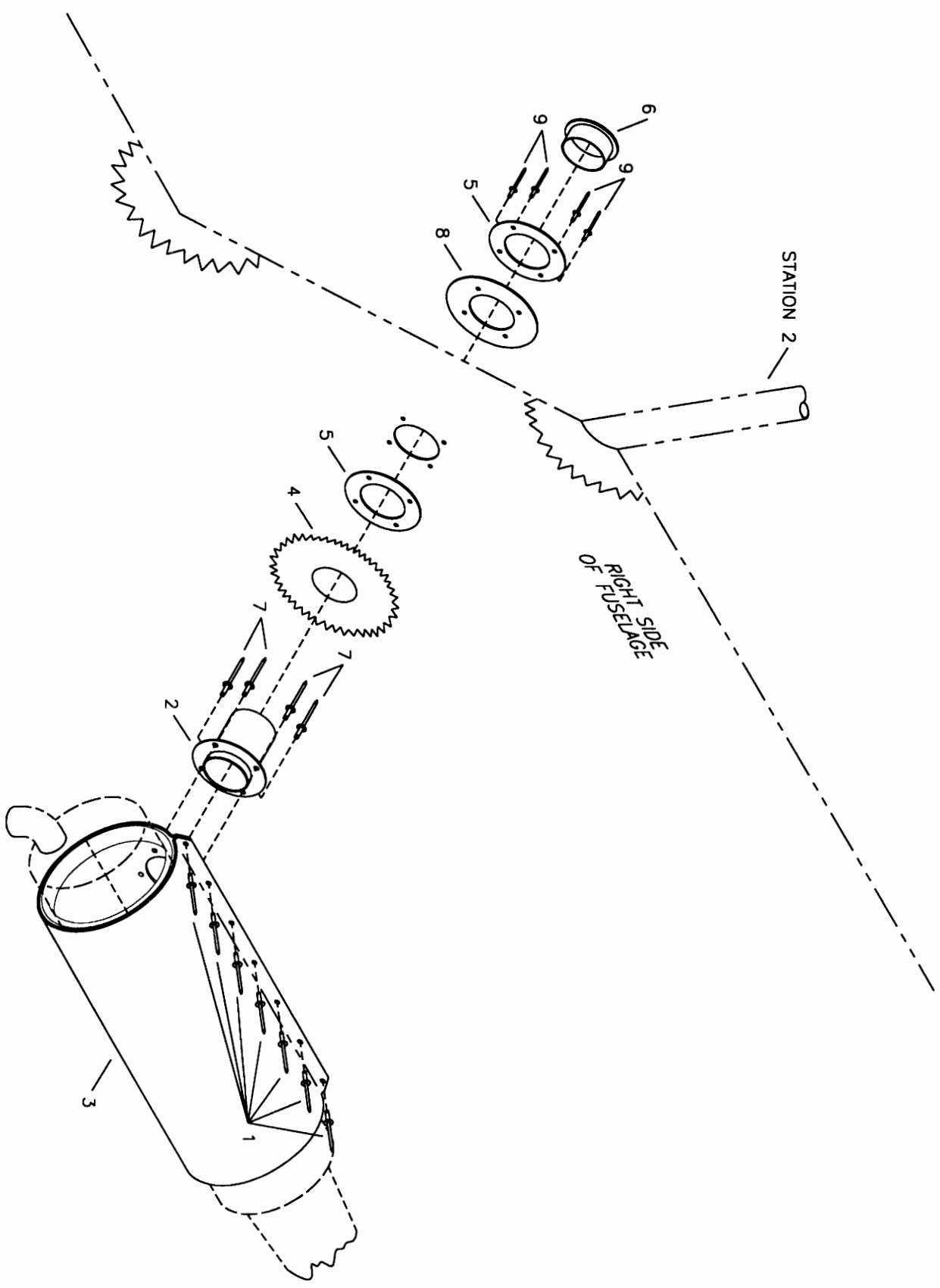
**S-7 COURIER - OPTIONAL 912 WARP DRIVE PROP ASSEMBLY**

| #   | 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  | KSPW0005      | 1        |
| 5 . | Spinner Backing Plate **  | SPIN-BC12-912 | 0        |
| 6 . | Flange Bushing - 912 ***  | KPPW0038      | 0        |
| 7 . | 5/16" Steel Insert Locnut | AN365-524C    | 6        |

\*Supplied with Engine.

\*\*Referenced from Spinner Assembly & Installation.

\*\*\*Referenced from 912 Tennessee Prop Assembly.



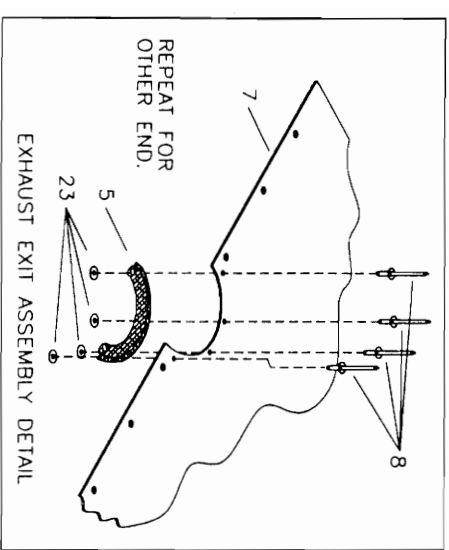
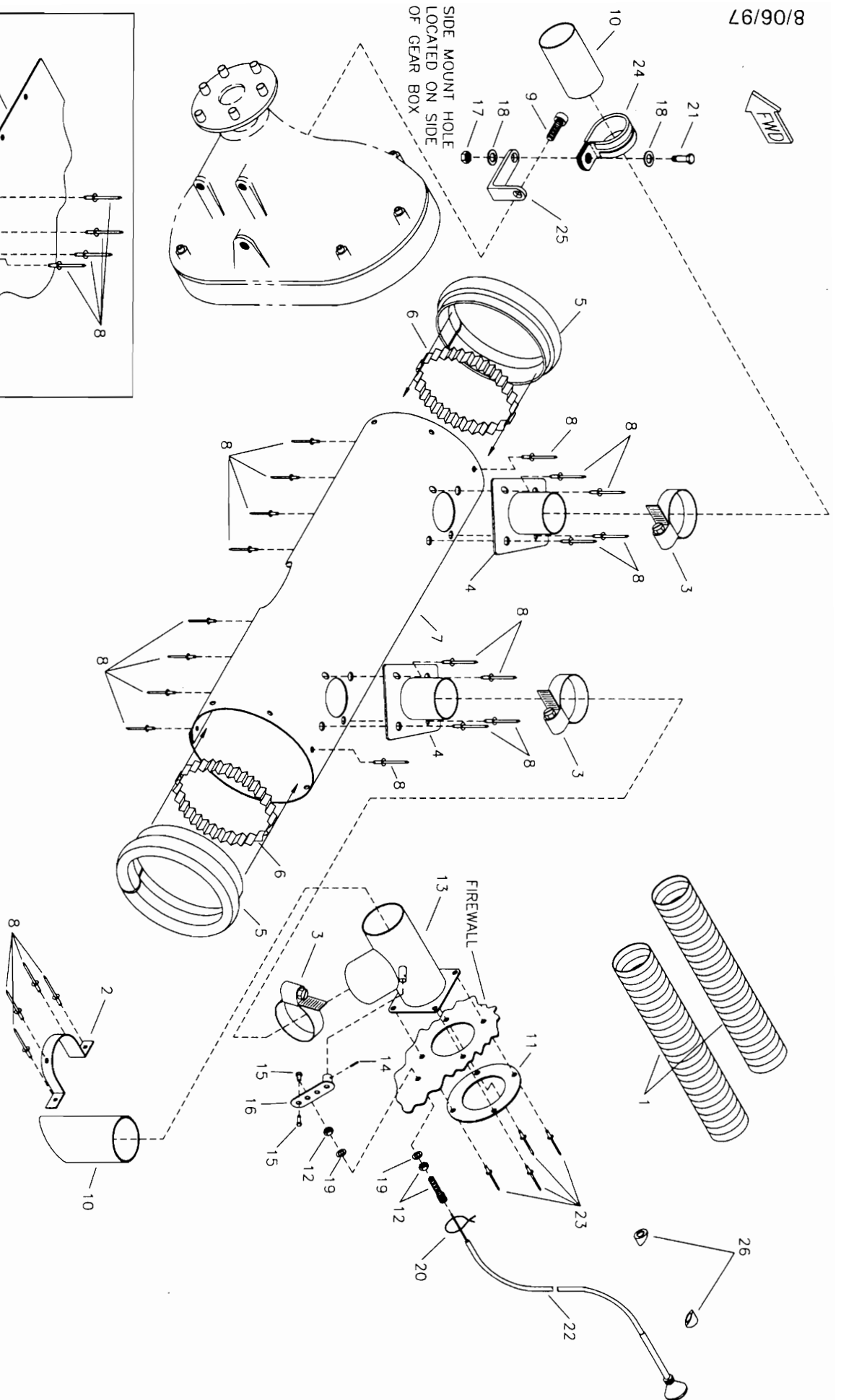
# OPTIONAL 582 HEATER ASSEMBLY

MD2666

**S-7 COURIER - OPTIONAL 582 MUFFLER HEATER ASSEMBLY**

| #   | DESCRIPTION                         | PART NUMBER | QUANTITY |
|-----|-------------------------------------|-------------|----------|
| 1 . | 1/8" Aluminum Pop Rivet - Cherry Q  | AAPQ-41     | 7        |
| 2 . | Inlet Manifold                      | H-IM-M      | 1        |
| 3 . | Heater Wrap                         | H-HW        | 1        |
| 4 . | Fabric Patch *                      | -----       | 0        |
| 5 . | Lexan Rings                         | H-S7RLEX    | 2        |
| 6 . | Heater Inlet Plug                   | 1 1/2 CAP   | 1        |
| 7 . | 3/16" Aluminum Pop Rivet - Cherry Q | AAPQ-62     | 4        |
| 8 . | Rubber Ring                         | H-S7RR      | 1        |
| 9 . | 1/8" Aluminum Pop Rivet - Cherry Q  | AAPQ-44     | 4        |

\*Referenced from Covering section.



# REM-8 S-7 COURIER OPTIONAL 912 HEATER ASSEMBLY

MD1243

**S-7 COURIER - OPTIONAL 912 MUFFLER HEATER ASSEMBLY**

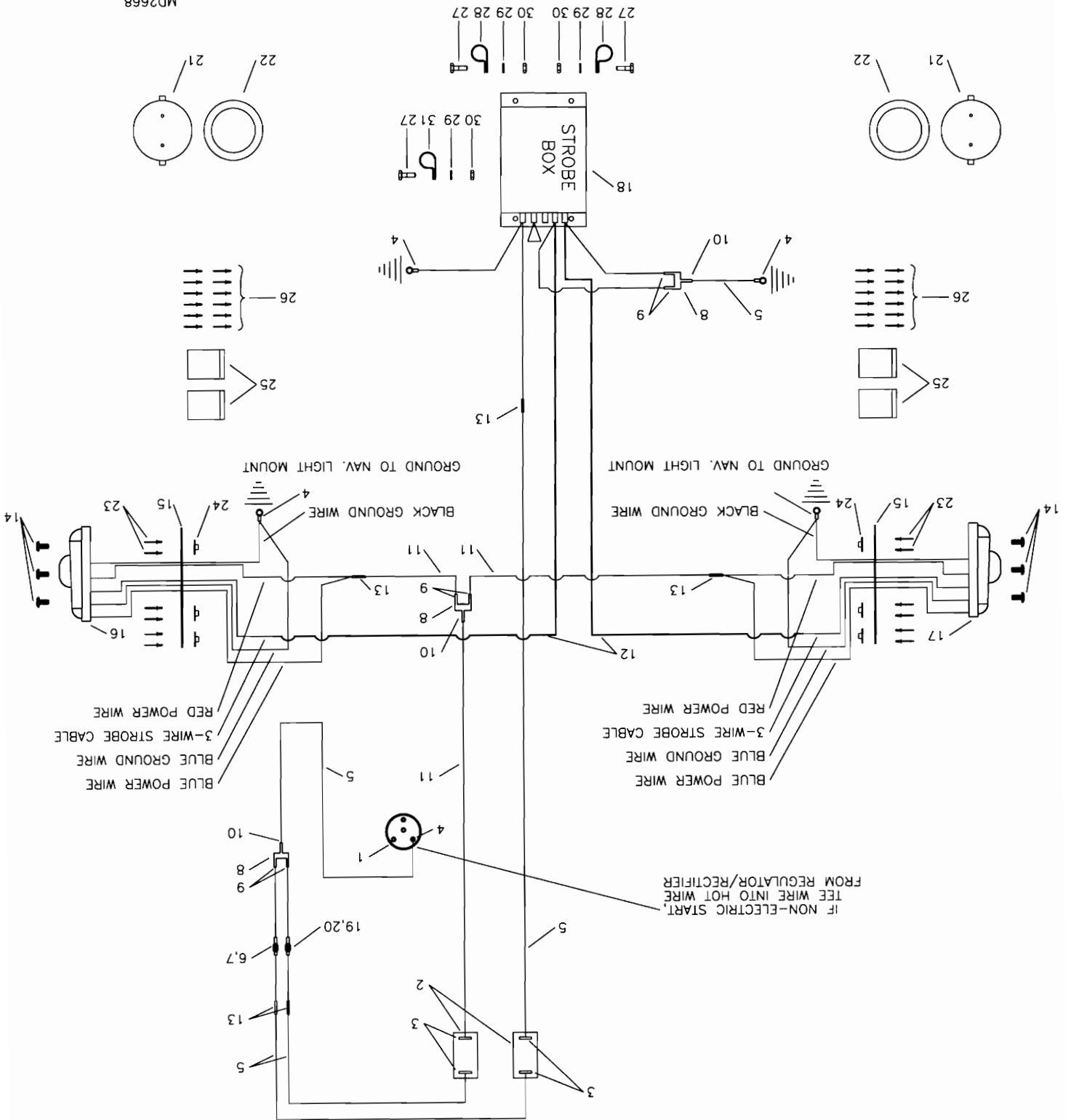
| #   | DESCRIPTION                        | PART NUMBER  | QUANTITY |
|-----|------------------------------------|--------------|----------|
| 1.  | 1 1/2" Heater Duct/Creet Hose      | CREET HOSE   | 5 ft     |
| 2.  | Mount Strap (1/2" x .040 x X) **   | KAAC0002     | 0        |
| 3.  | Hose Clamp, 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. | 1/8" Aluminum Pop Rivet - Cherry Q | AAPQ-44      | 4        |
| 24. | Cushioned Tube Clamp               | MS21919-DG24 | 1        |
| 25. | Angle Bracket                      | KPSY0016     | 1        |
| 26. | Beveled Washer                     | KPIP0029     | 2        |

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

\*\*Builder must fabricate from raw stock.

# RRMS S-7 COURIER OPTIONAL WHEEL STROBE INSTALLATION

MD2668

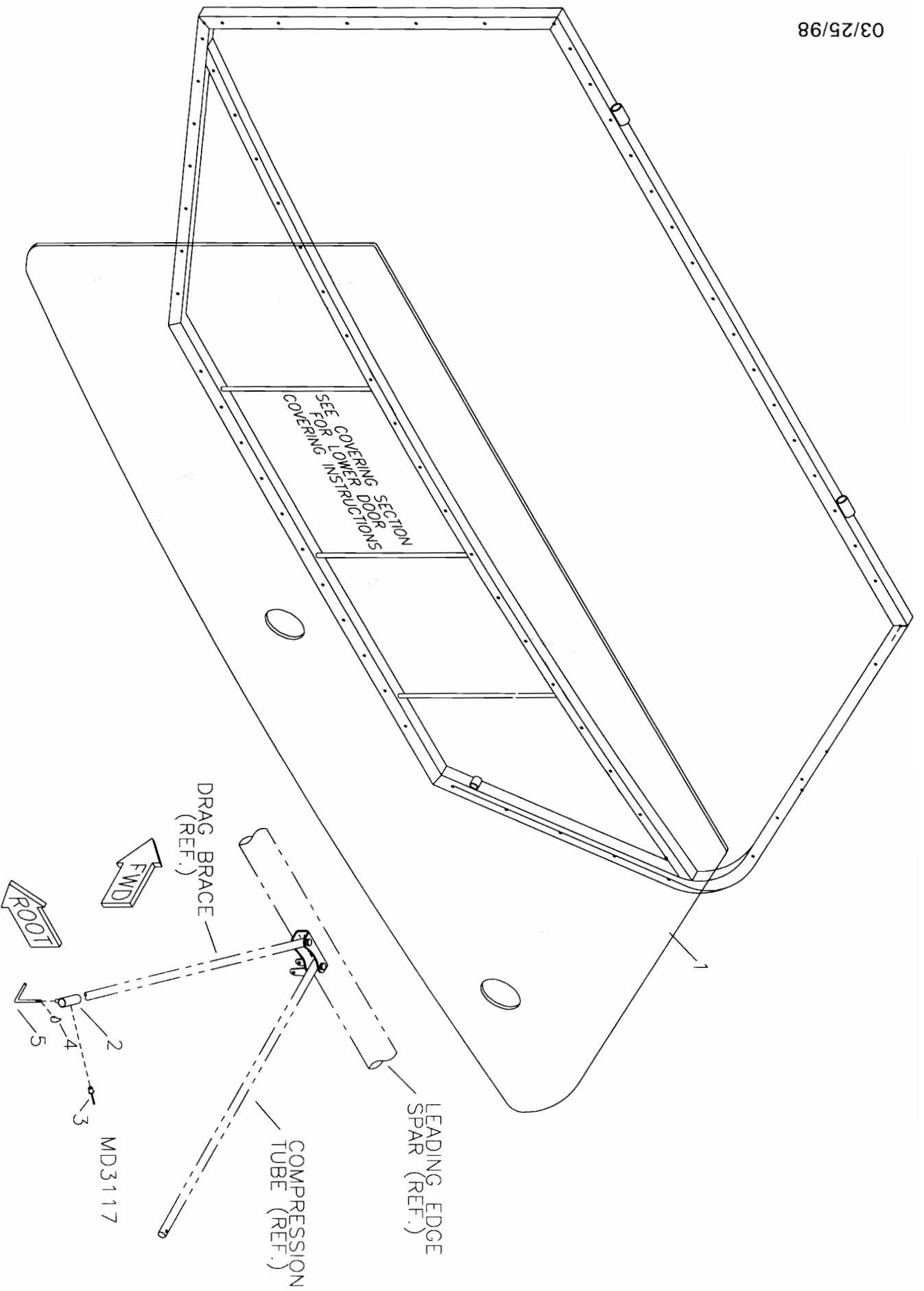


**S-7 COURIER - OPTIONAL WHELEN STROBE INSTALLATION**

| #    | 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, 15 AMP     | F-HLDR            | 1        |
| 7 .  | 15 AMP Fuse                               | AGC-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 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 . | 14 Gauge, In Line Fuse Holder, 10 AMP     | F-HLDR            | 1        |
| 20 . | 10 AMP Fuse                               | AGC-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 Tube Clamp             | AN742-D10         | 2        |
| 29 . | 3/16" Thin Washer                         | AN960-10L         | 3        |
| 30 . | 3/16" Shear Nut                           | AN364-1032A       | 3        |
| 31 . | 1/2" Non Cushioned Tube Clamp             | AN742-D8          | 1        |

\*Referenced from Instruments & Electrical.

\*\*Builder modifies as required.

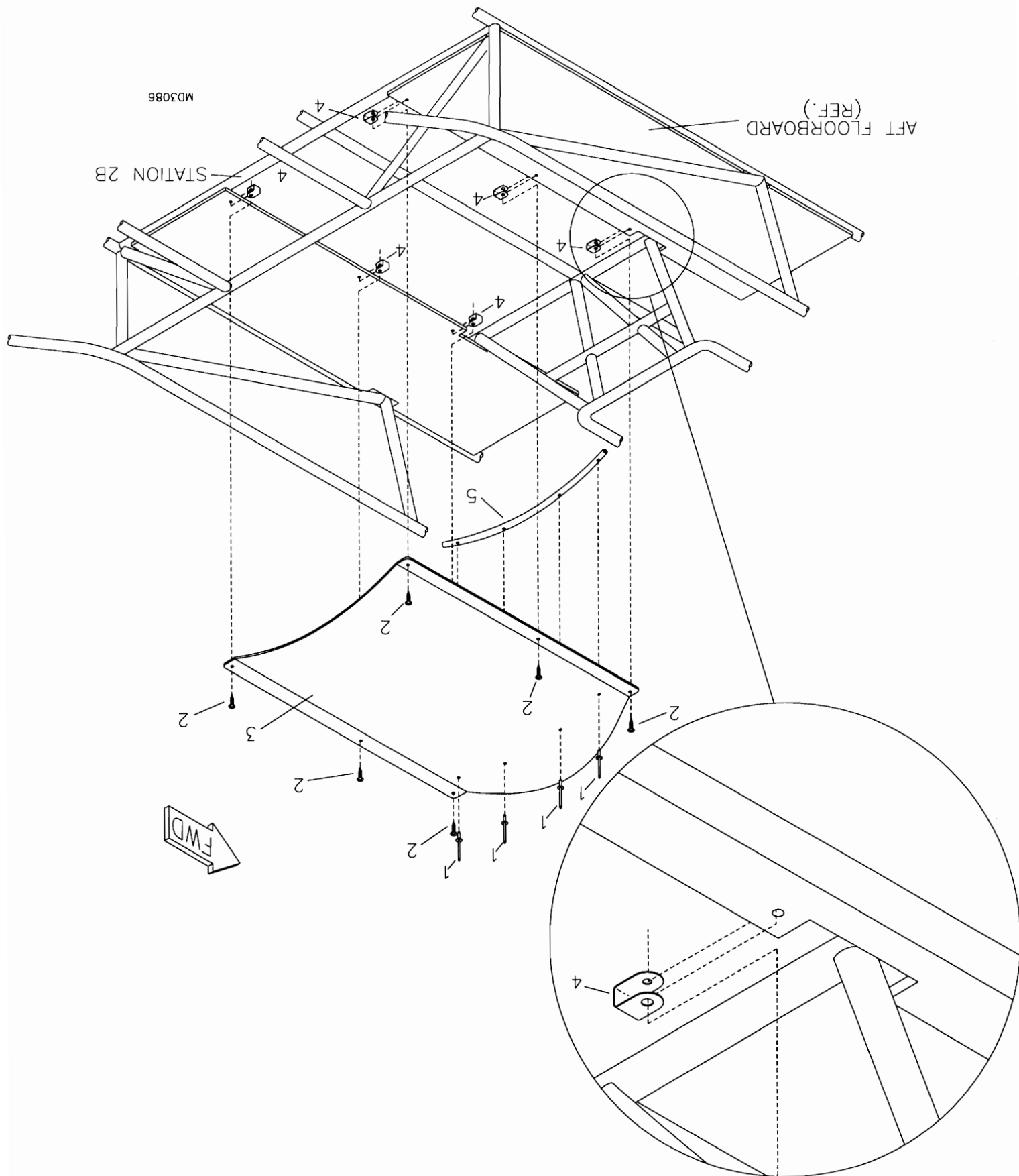


**RRR S-7 COURIER**  
**OPTIONAL BUBBLE LEXAN (DOOR ASSEMBLY)**

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

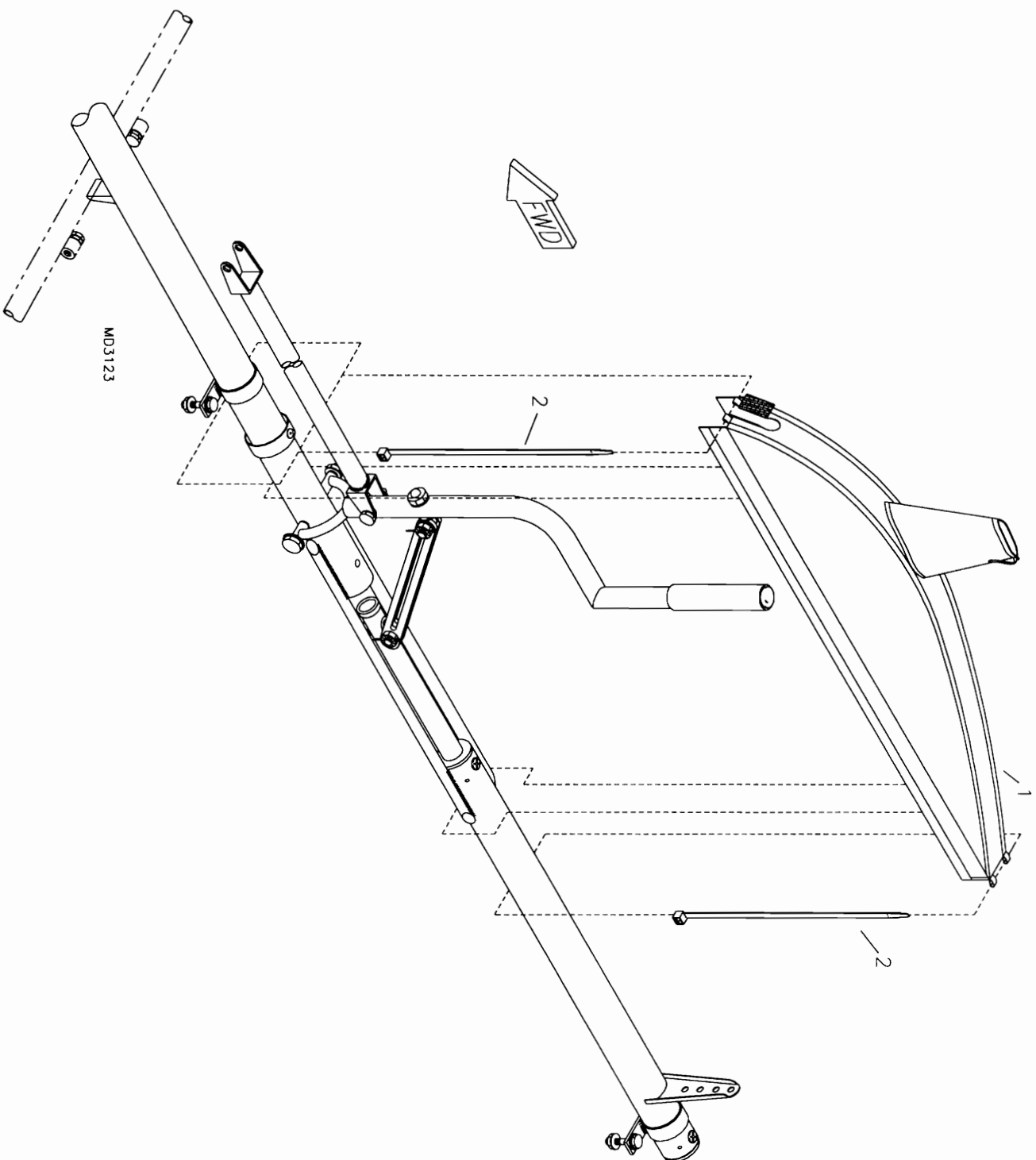
| #   | DESCRIPTION                               | PART NUMBER | QUANTITY |
|-----|-------------------------------------------|-------------|----------|
| 1 . | Door Lexan, Bubble - RH                   | KPDR0064-R  | 1        |
| 1 . | Door Lexan, Bubble - LH                   | KPDR0064-L  | 1        |
| 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        |

# RMS 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 . | #8 Pan Head Screw                  | 8X1/2 PHS   | 6        |
| 3 . | Rudder Cable Guard                 | KPIN0035    | 1        |
| 4 . | Retainer Clip                      | KPAC0128    | 6        |
| 5 . | Support Tube - Rudder Cable Guard  | KPIN0036    | 1        |

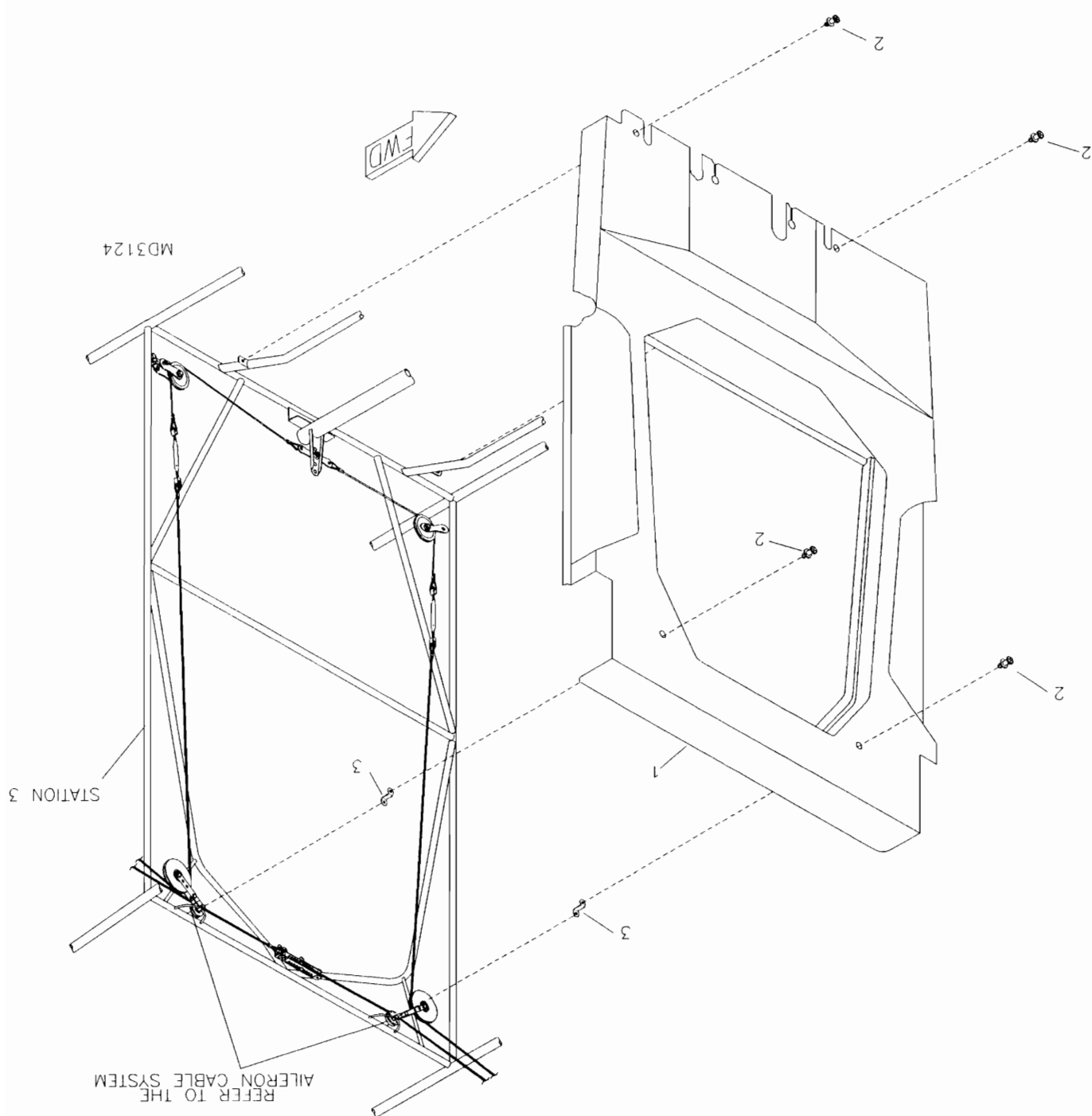


RRR S-7 COURIER  
OPTIONAL AFT CONTROL STICK COVER

S-7 COURIER - OPTIONAL AFT CONTROL STICK COVER

| #   | DESCRIPTION                 | PART NUMBER | QUANTITY |
|-----|-----------------------------|-------------|----------|
| 1 . | AFT Control Stick Enclosure | KPCS0121    | 1        |
| 2 . | Long Nylon Ties             | LG-N-TIE    | 2        |

STATION 3 CLOSE OUT INSTALLATION

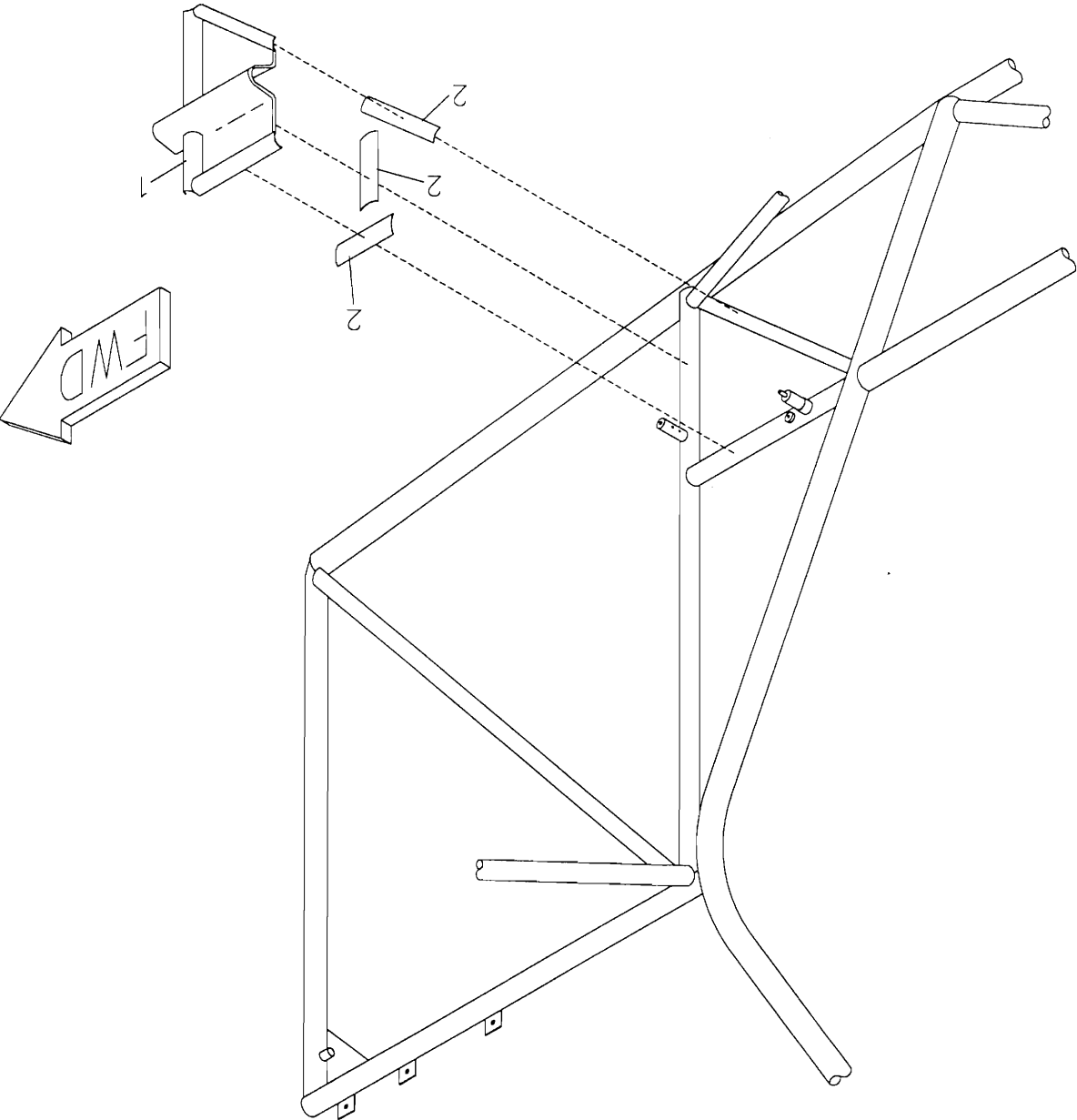


**S-7 COURIER - OPTIONAL STATION 3 CLOSEOUT INSTALLATION**

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

# RRMS S-7 COURIER THROTTLE CABLE 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     |