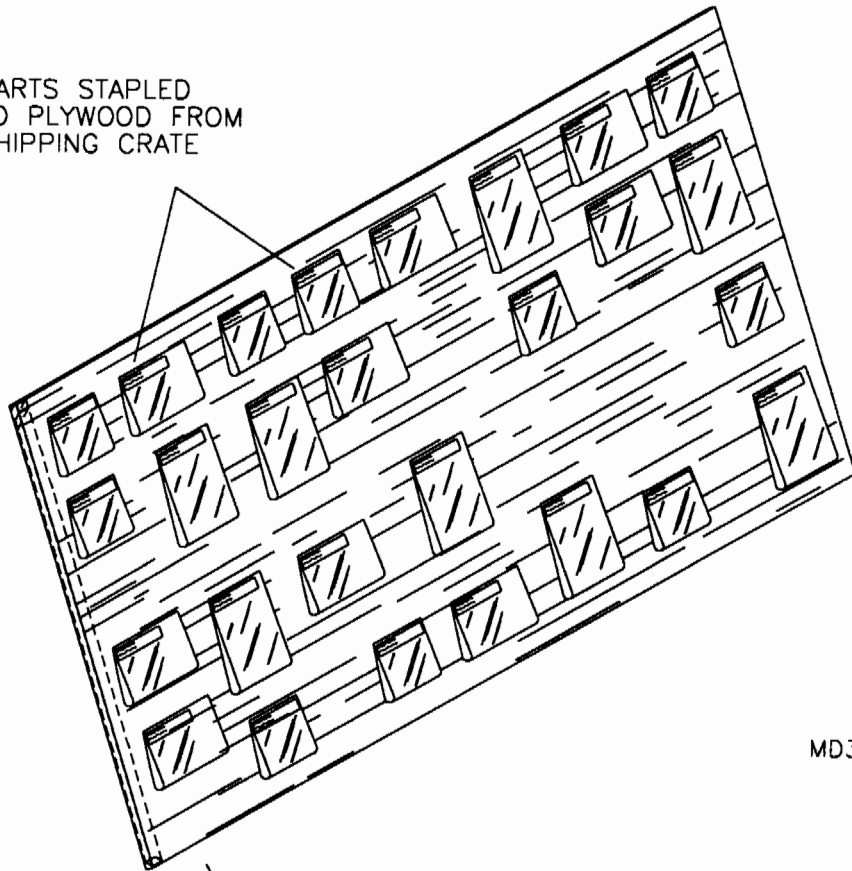


# ORGANIZE

PARTS STAPLED  
TO PLYWOOD FROM  
SHIPPING CRATE

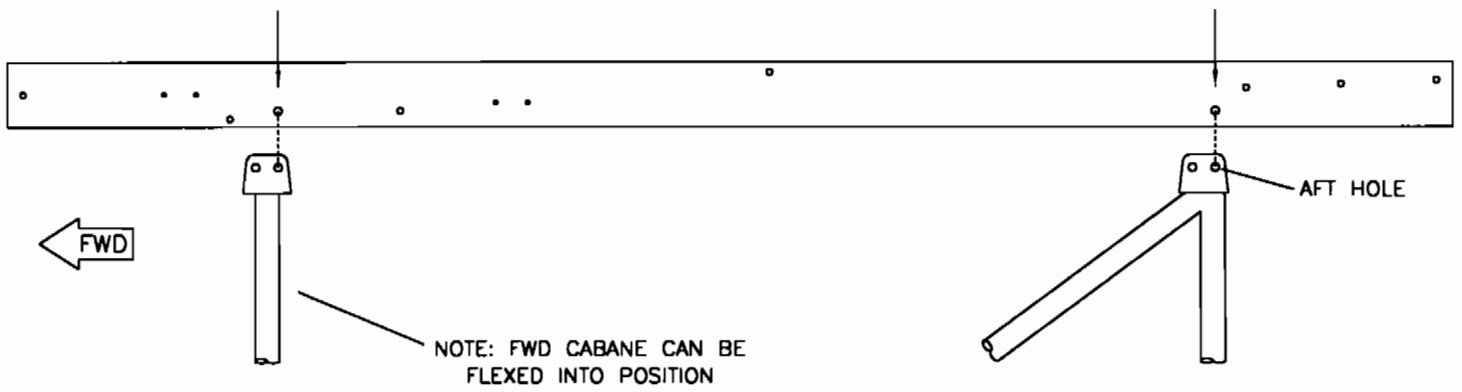


MD3817

NAIL BOARD TO  
SHOP WALL

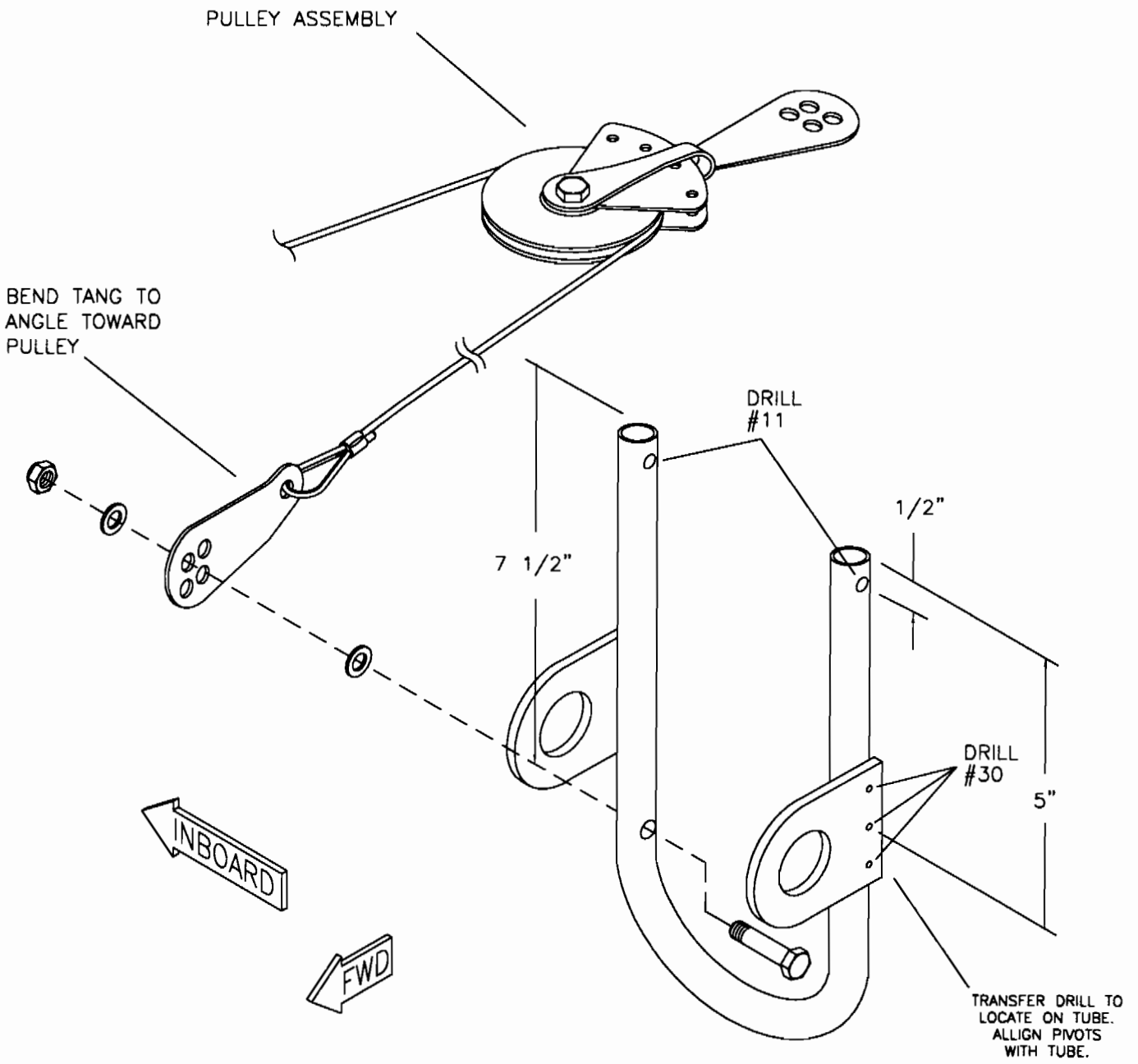
FIGURE 0-0

LOCATE KEEL TO FUSELAGE CAGE USING AFT  
HOLES IN CAGE TO 1/4" HOLES IN KEEL



MD3870

FIGURE 1-1



MD3818

FIGURE 1-4

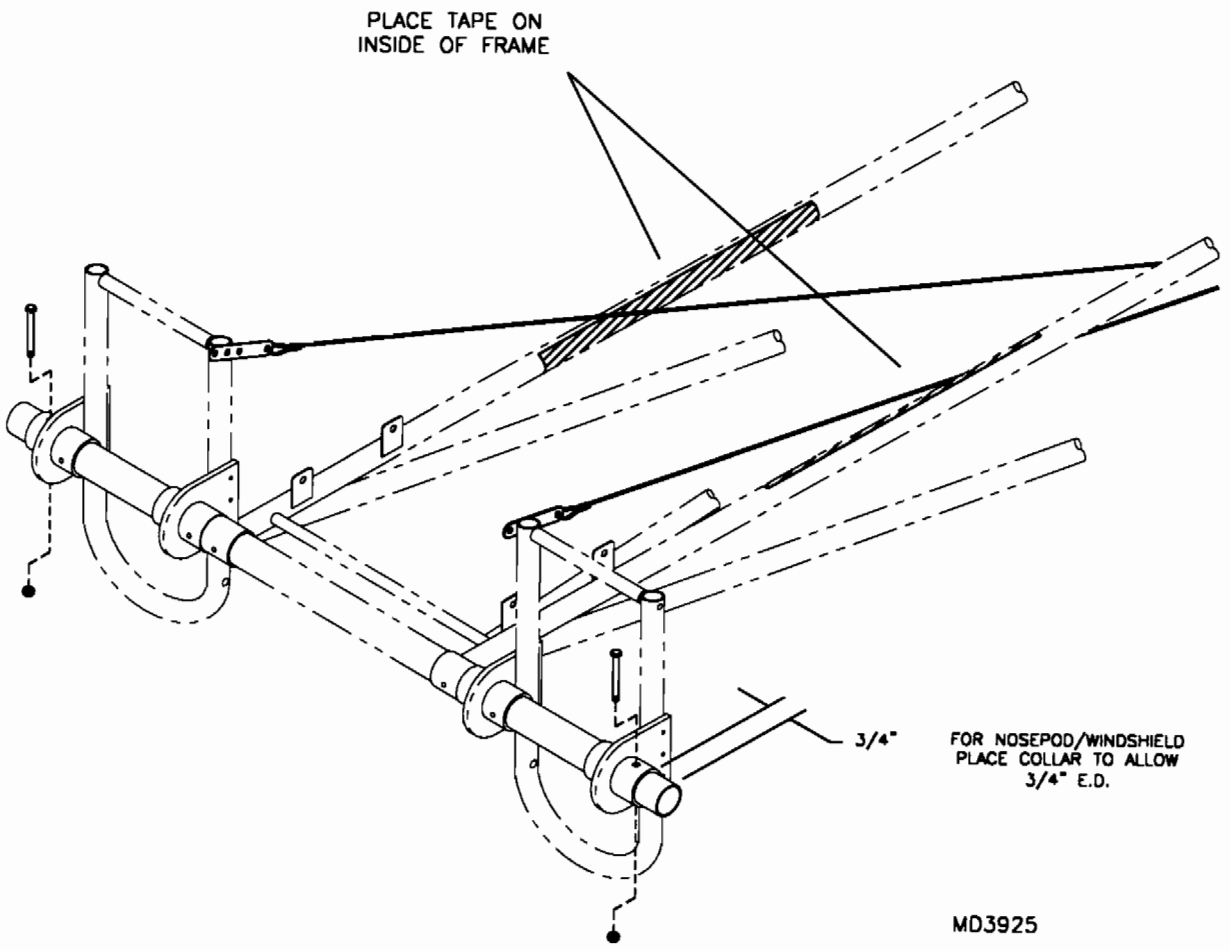
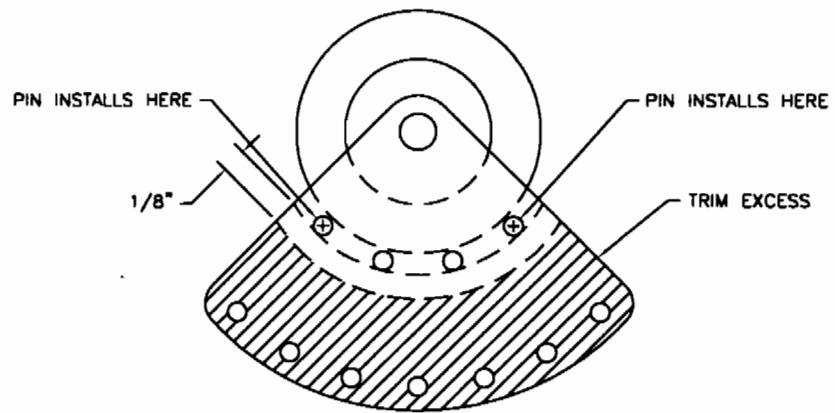


FIGURE 1-4A



MD3745

FIGURE 1-7

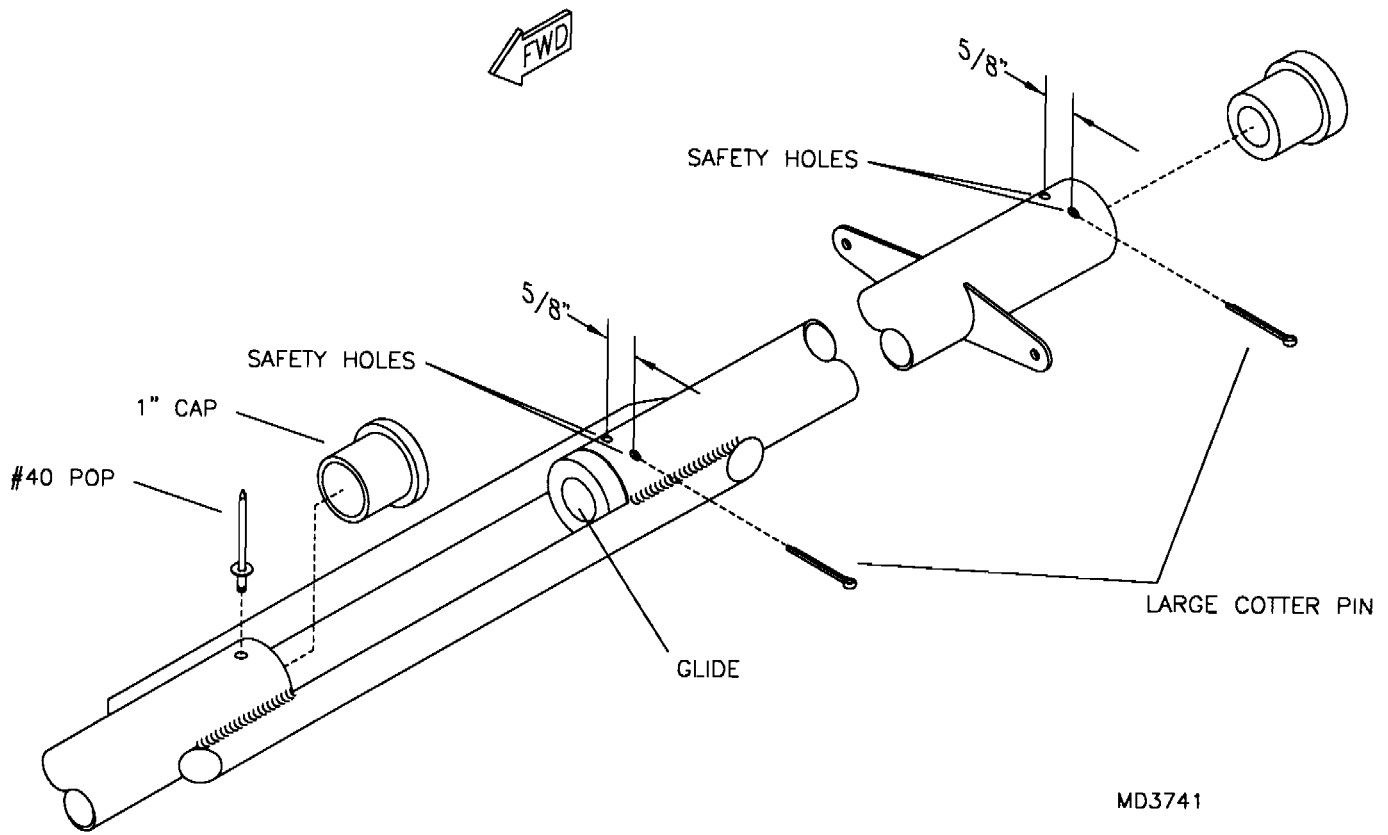
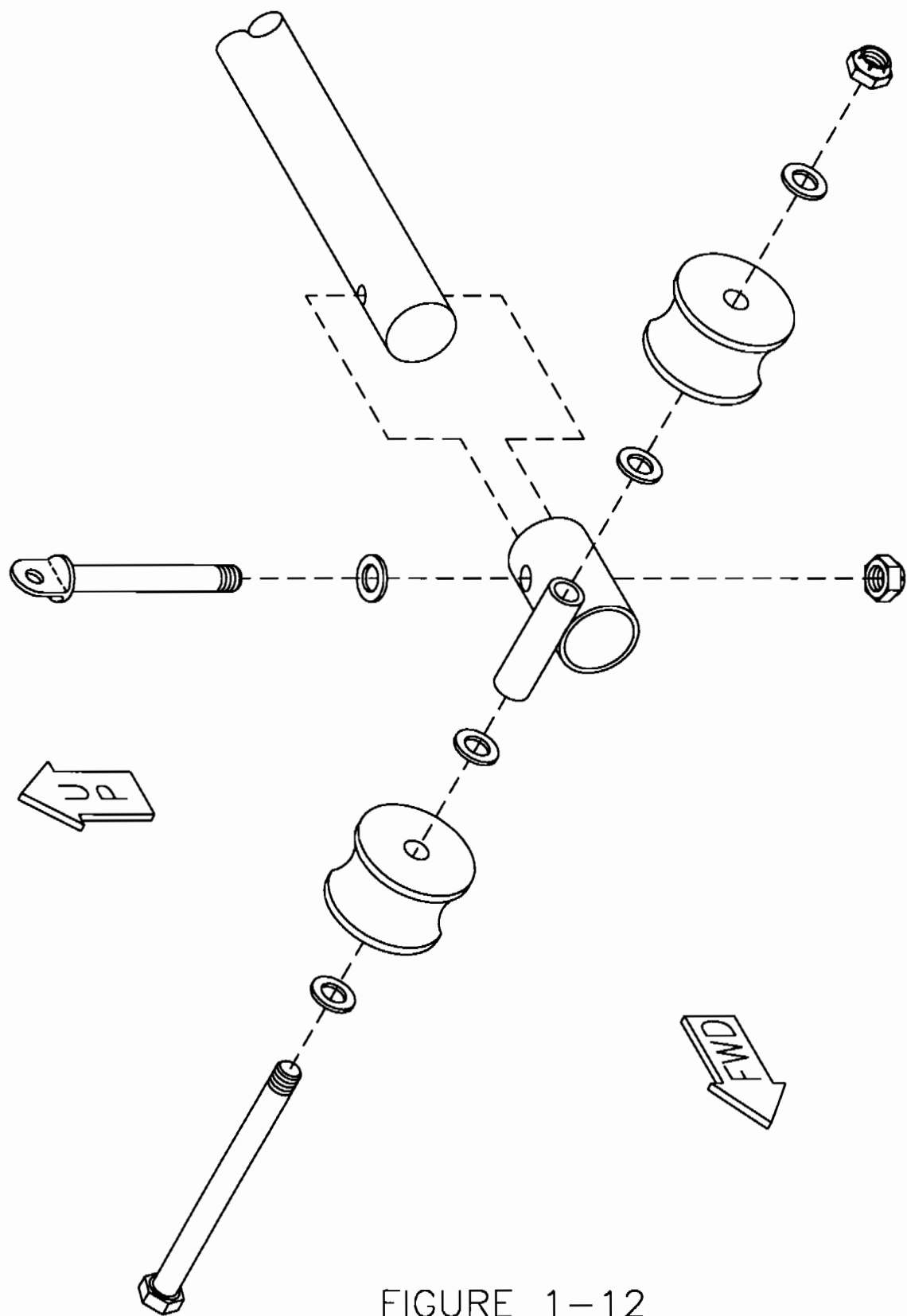
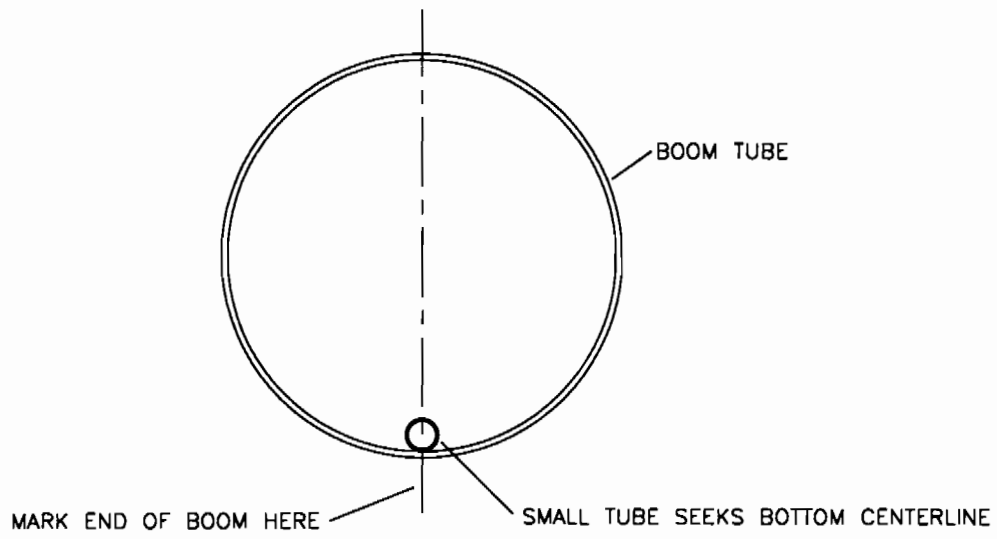


FIGURE 1-10

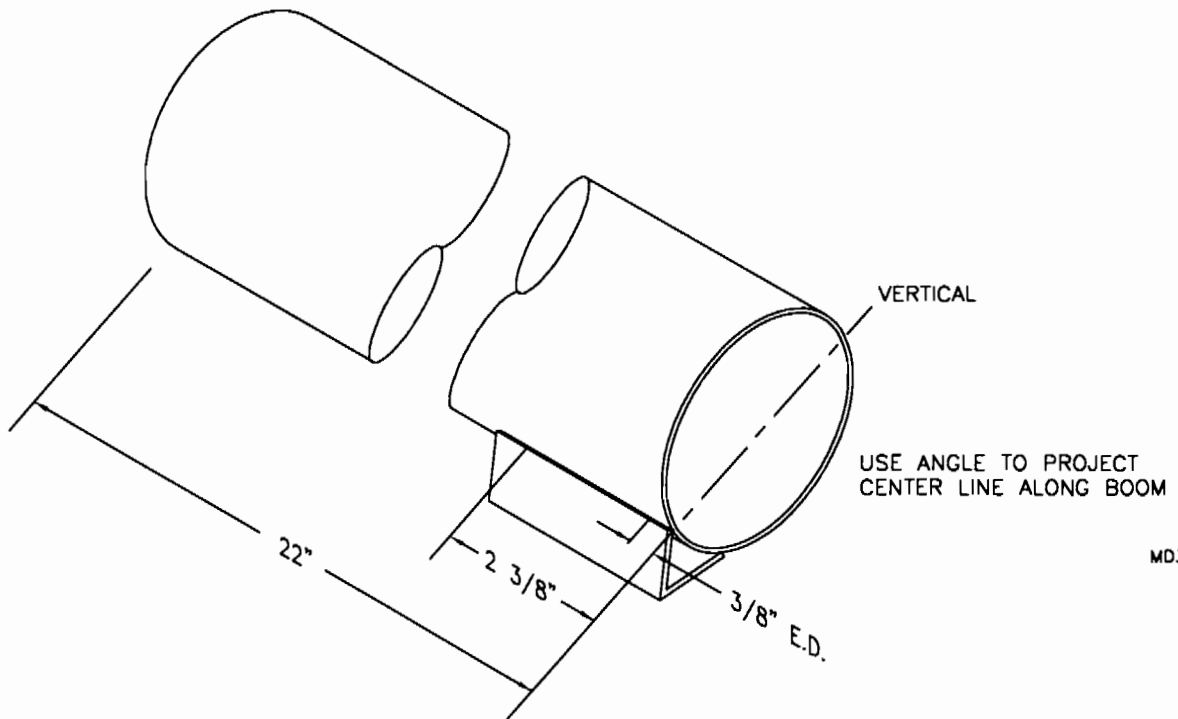


MD3918

FIGURE 1-12



MD3749



MD3749

FIGURE 1-20



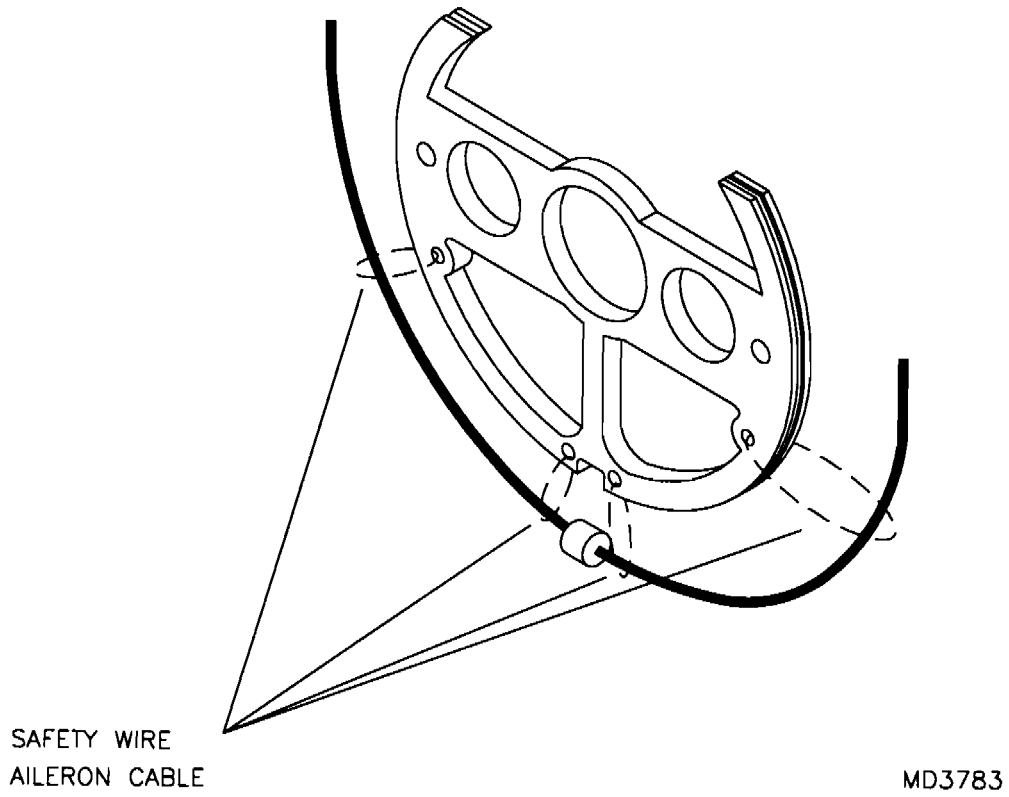
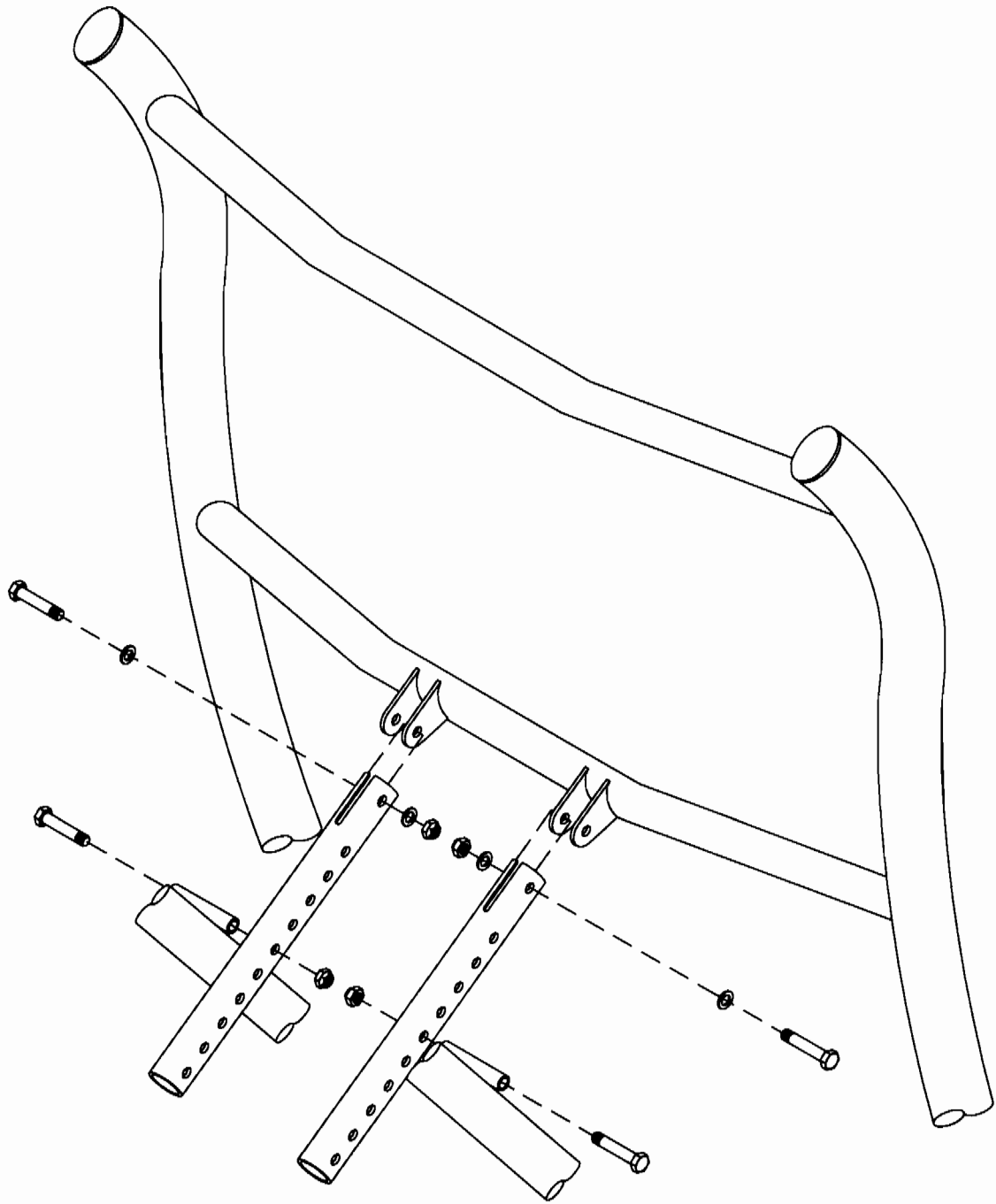
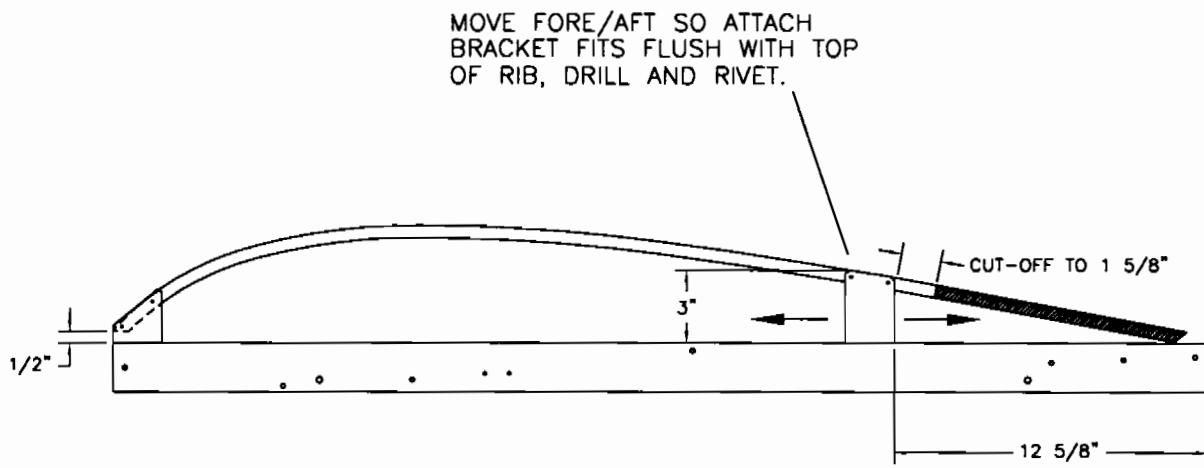


FIGURE 1-24



MD3820

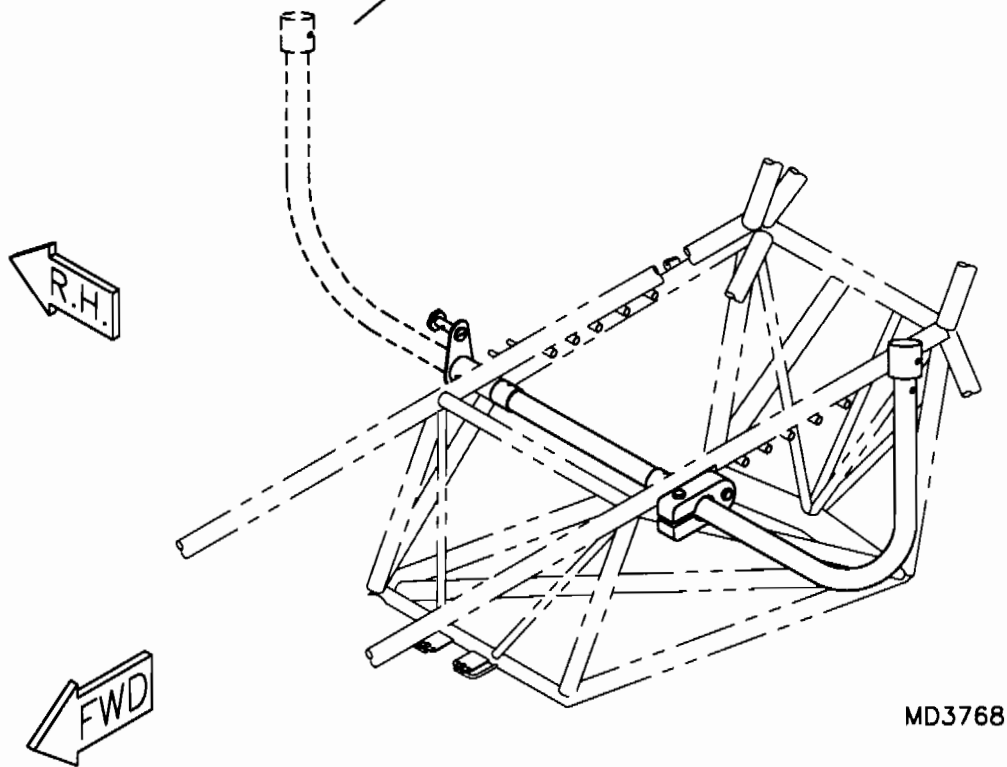
FIGURE 1-28



MD3821

FIGURE 1-29

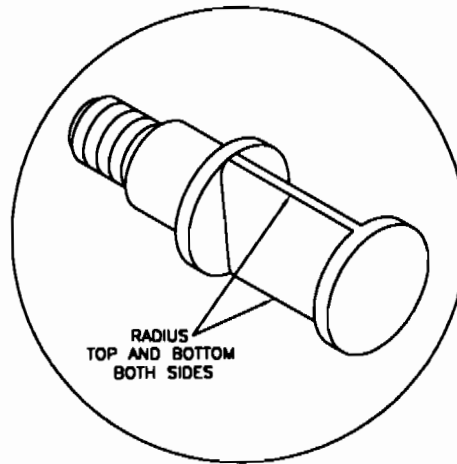
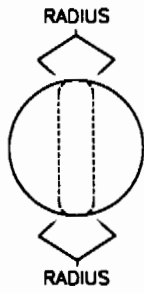
THROTTLE LEVER MAY BE INSTALLED  
ON RIGHT SIDE OF FUSELAGE. LEFT  
SIDE IS THE STANDARD LOCATION.



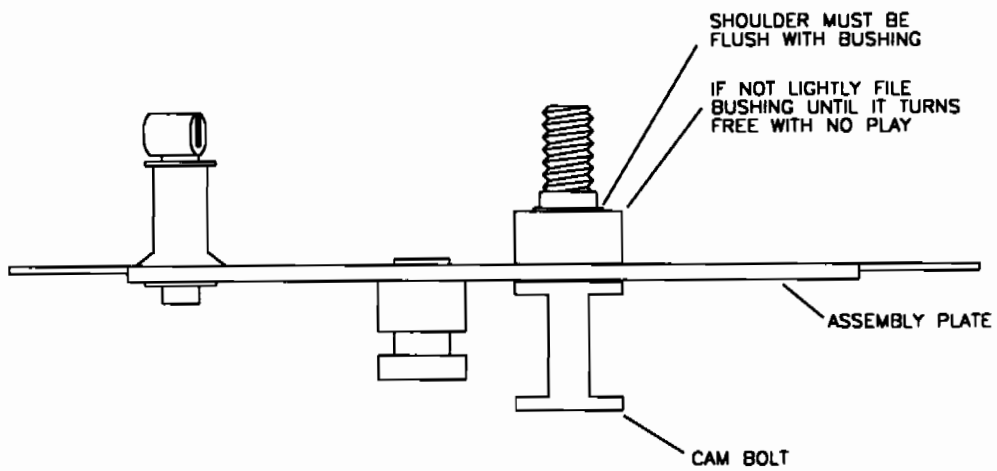
MD3768

FIGURE 1-31

END VIEW OF CAM



MD1811



MD3088

FIGURE 2-4

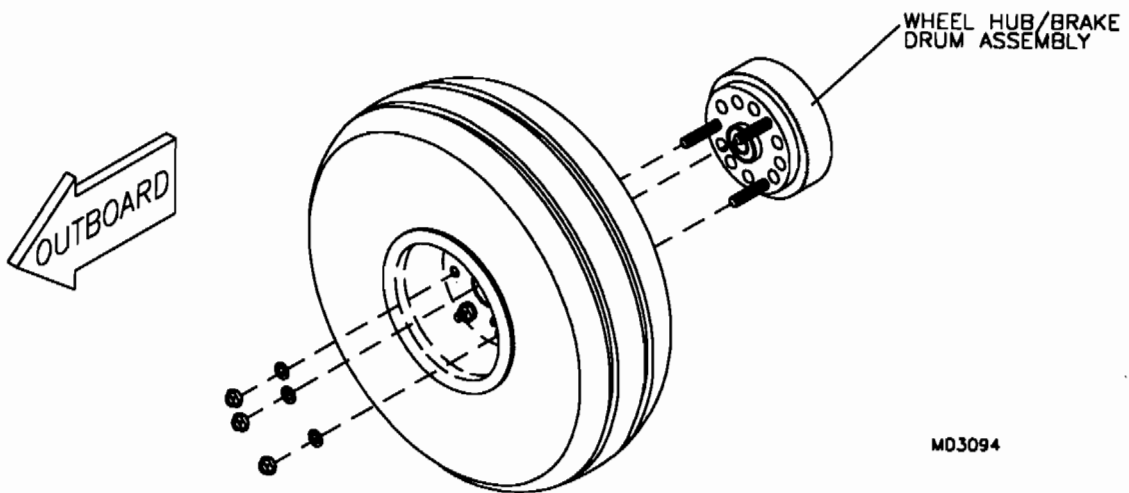
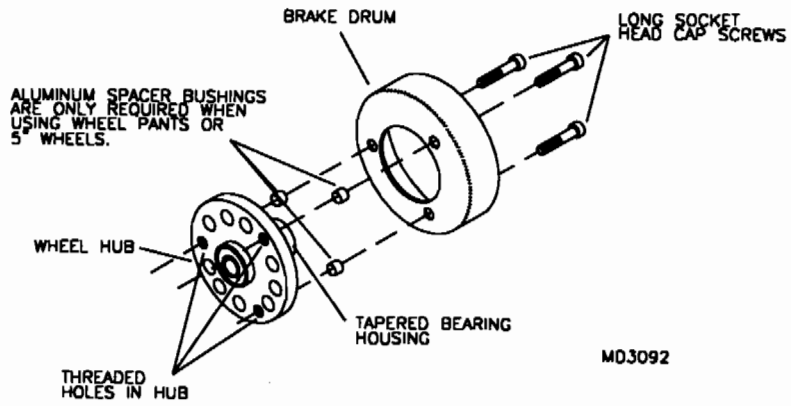
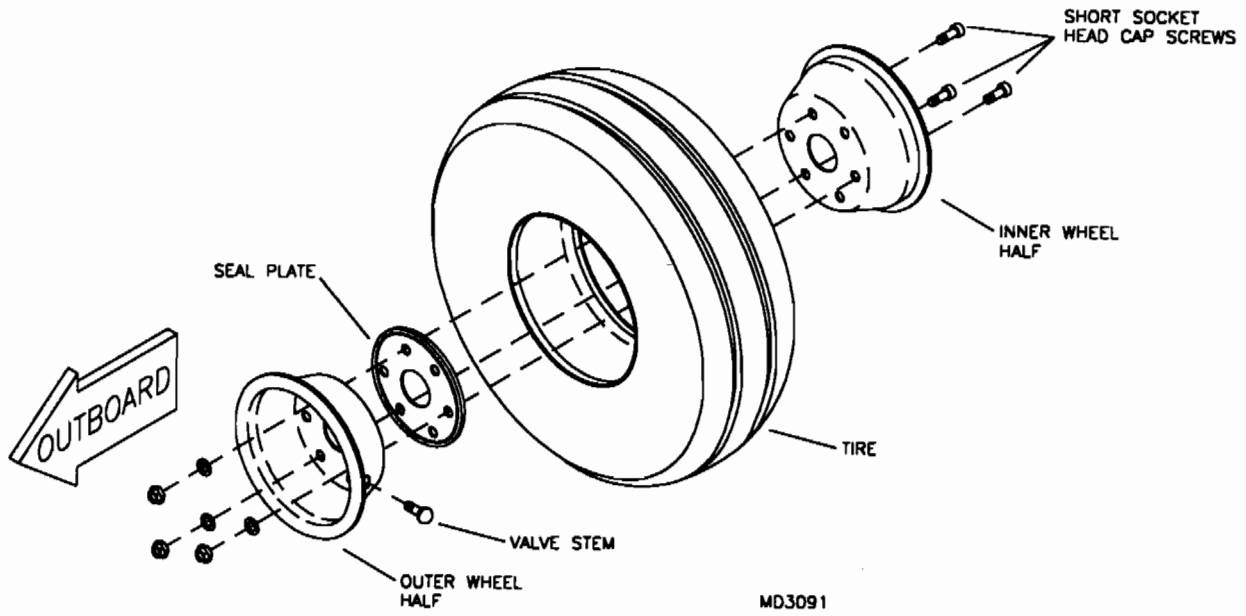
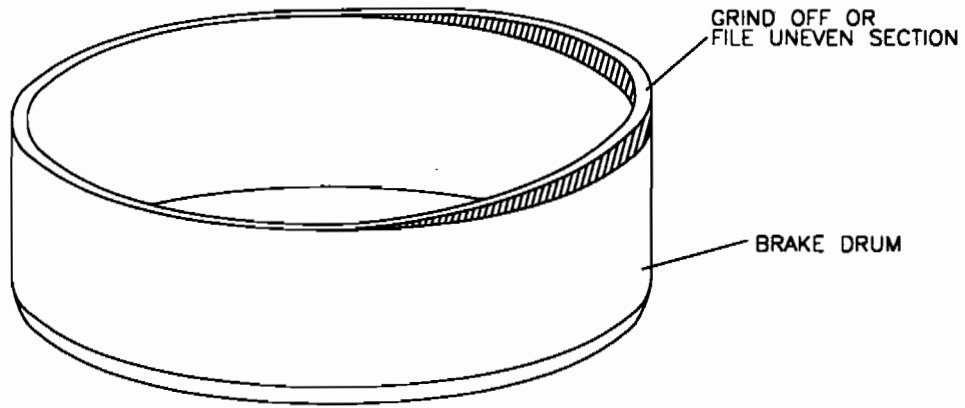
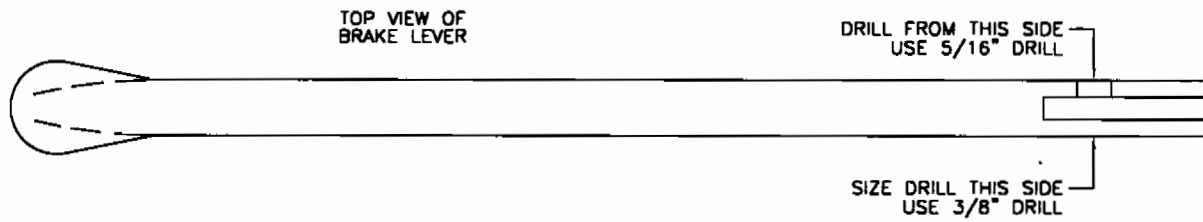


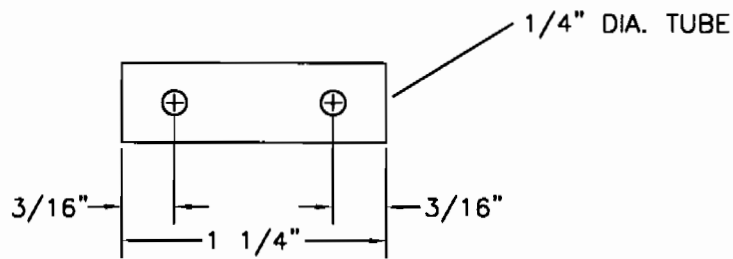
FIGURE 2-7



MD3095



MD2131



MD2404

FIGURE 2-9

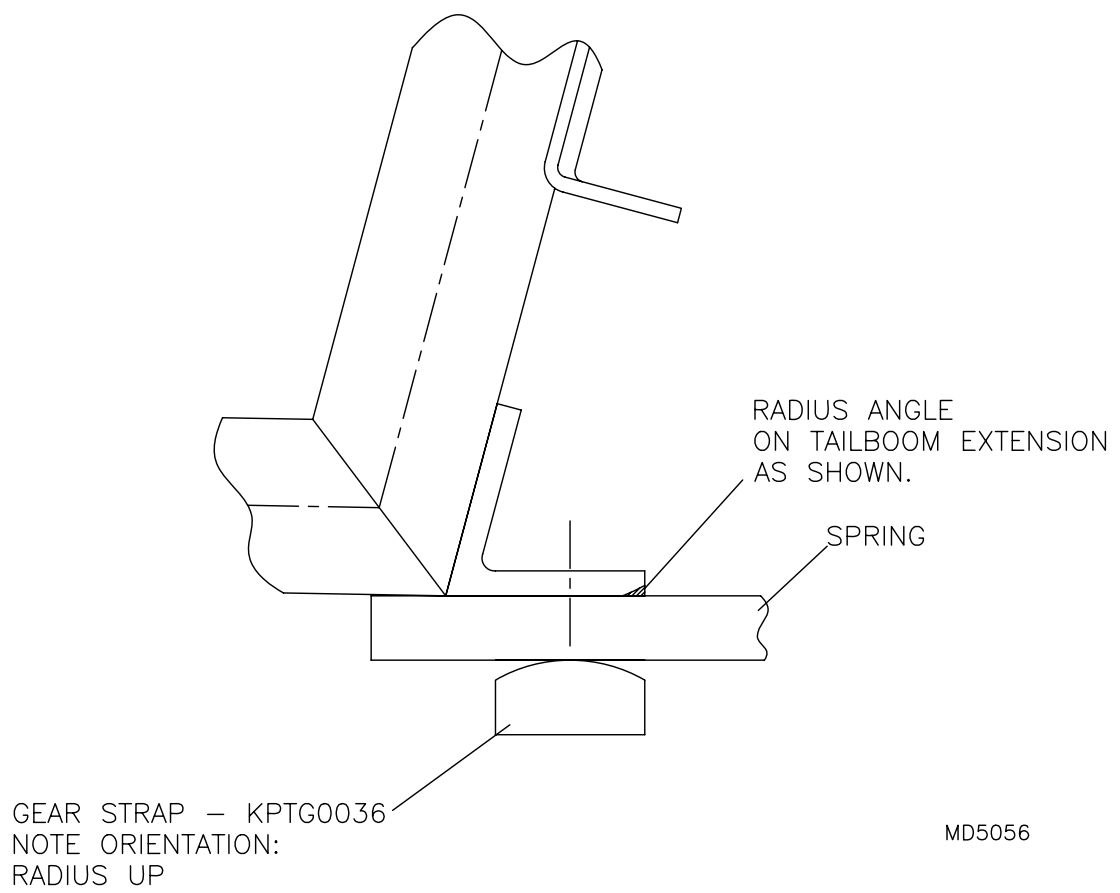
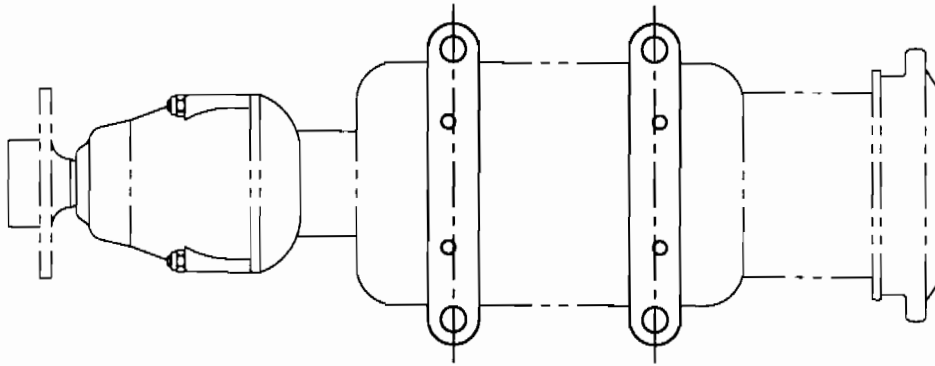
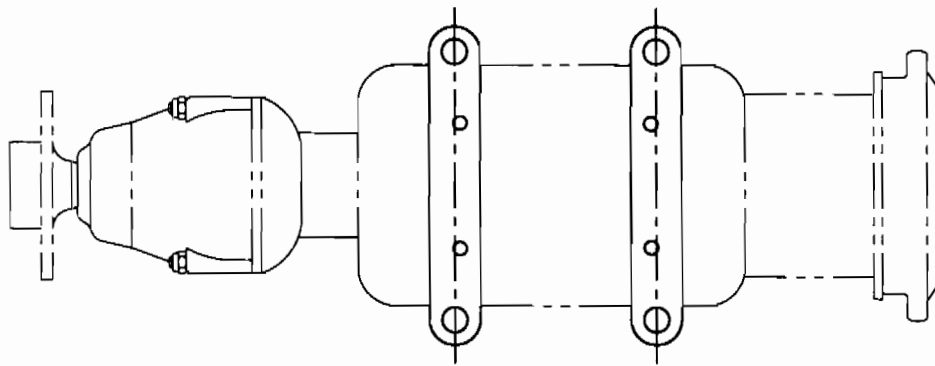


FIGURE 2-10





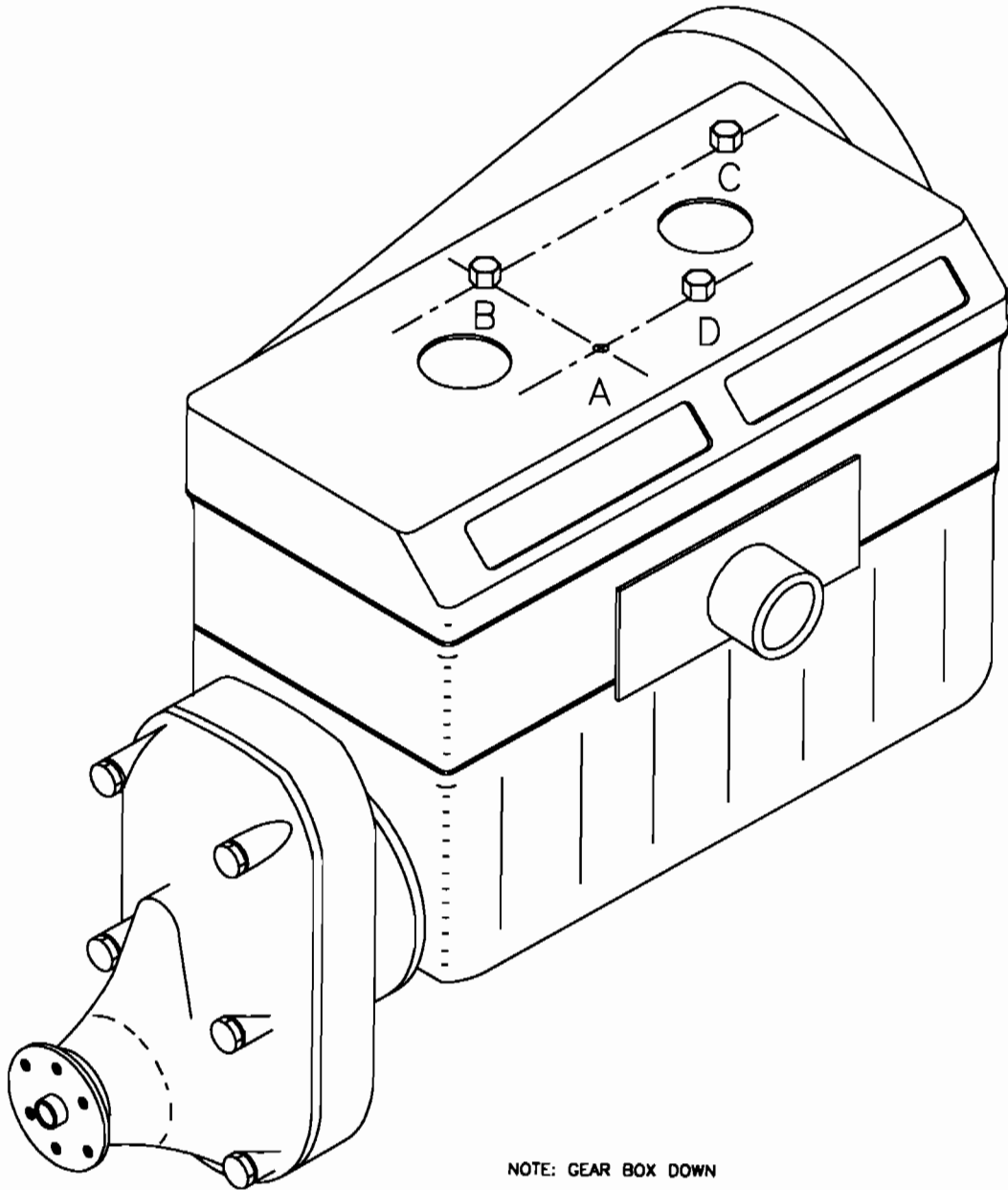
**503**



**447**

FIGURE 3-1

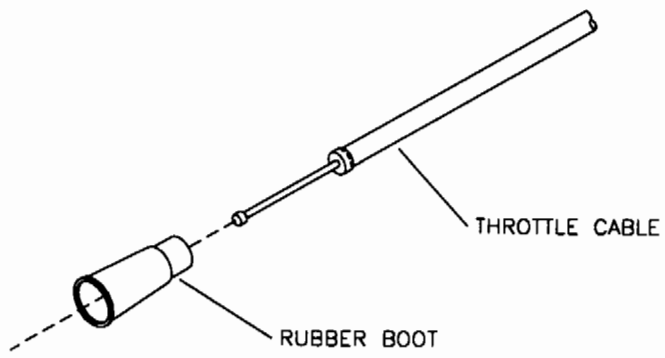
MD3919



NOTE: GEAR BOX DOWN

MD3932

FIGURE 3-2  
S-17 STINGER



MD1532

FIGURE 3-7

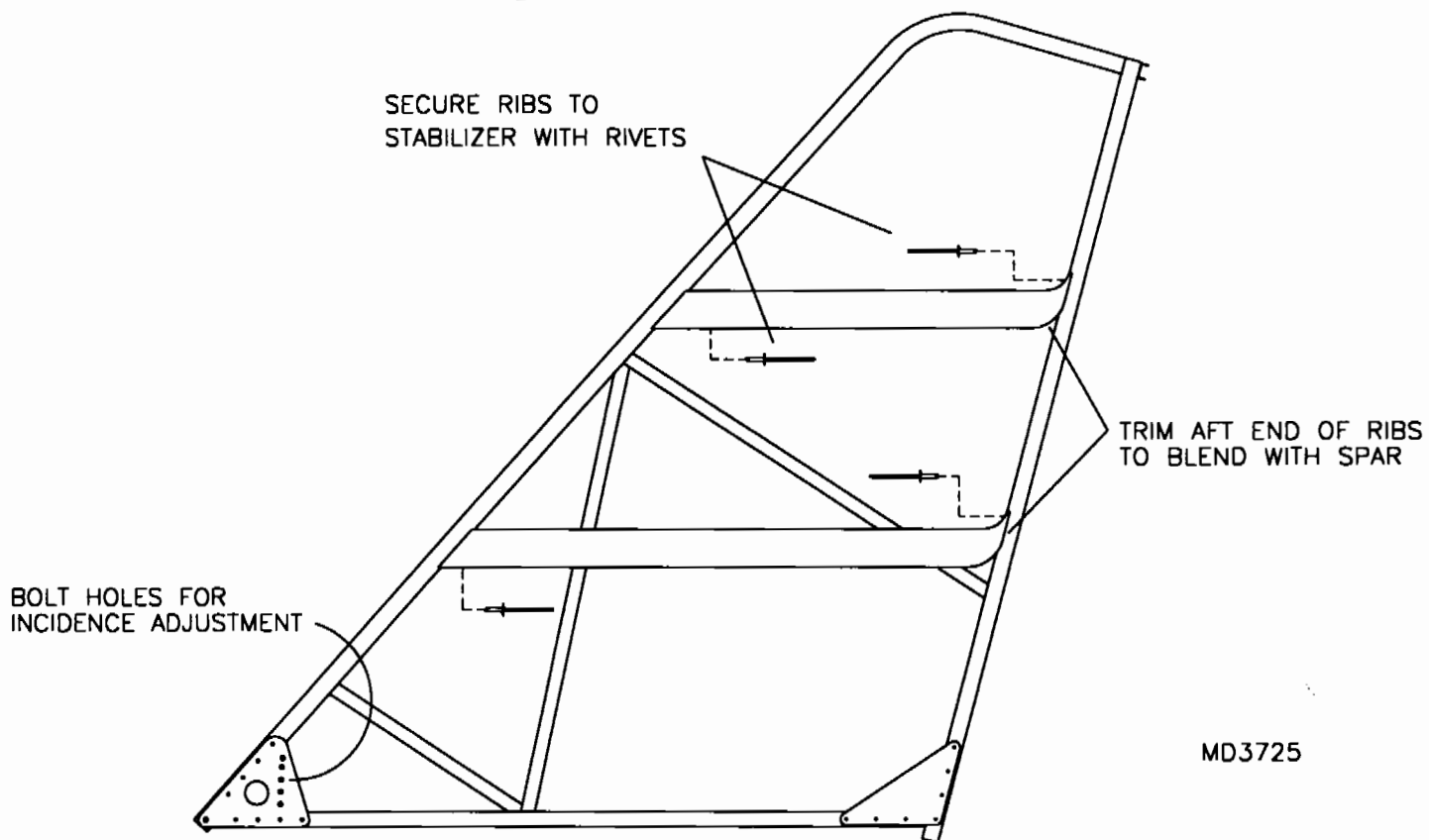
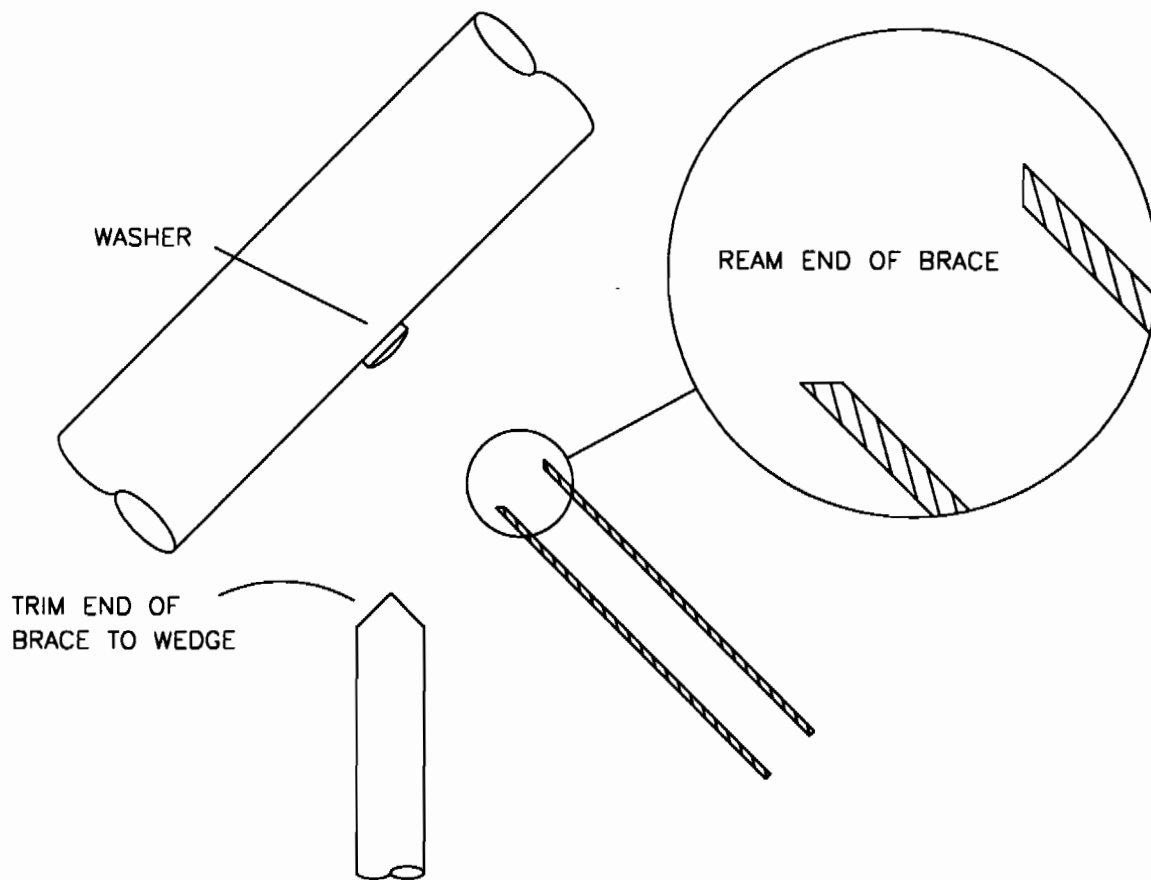
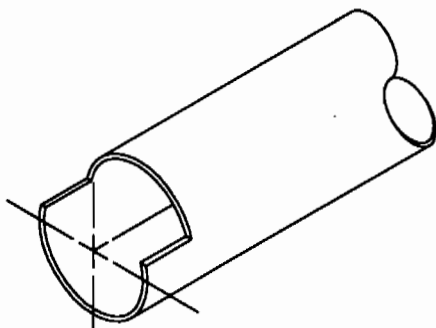
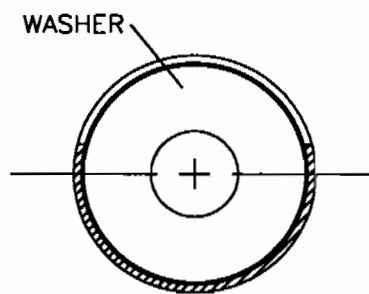
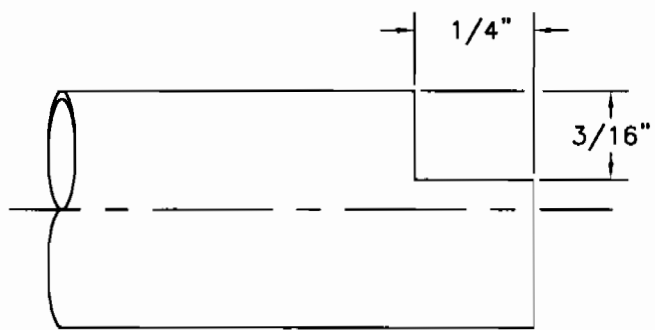


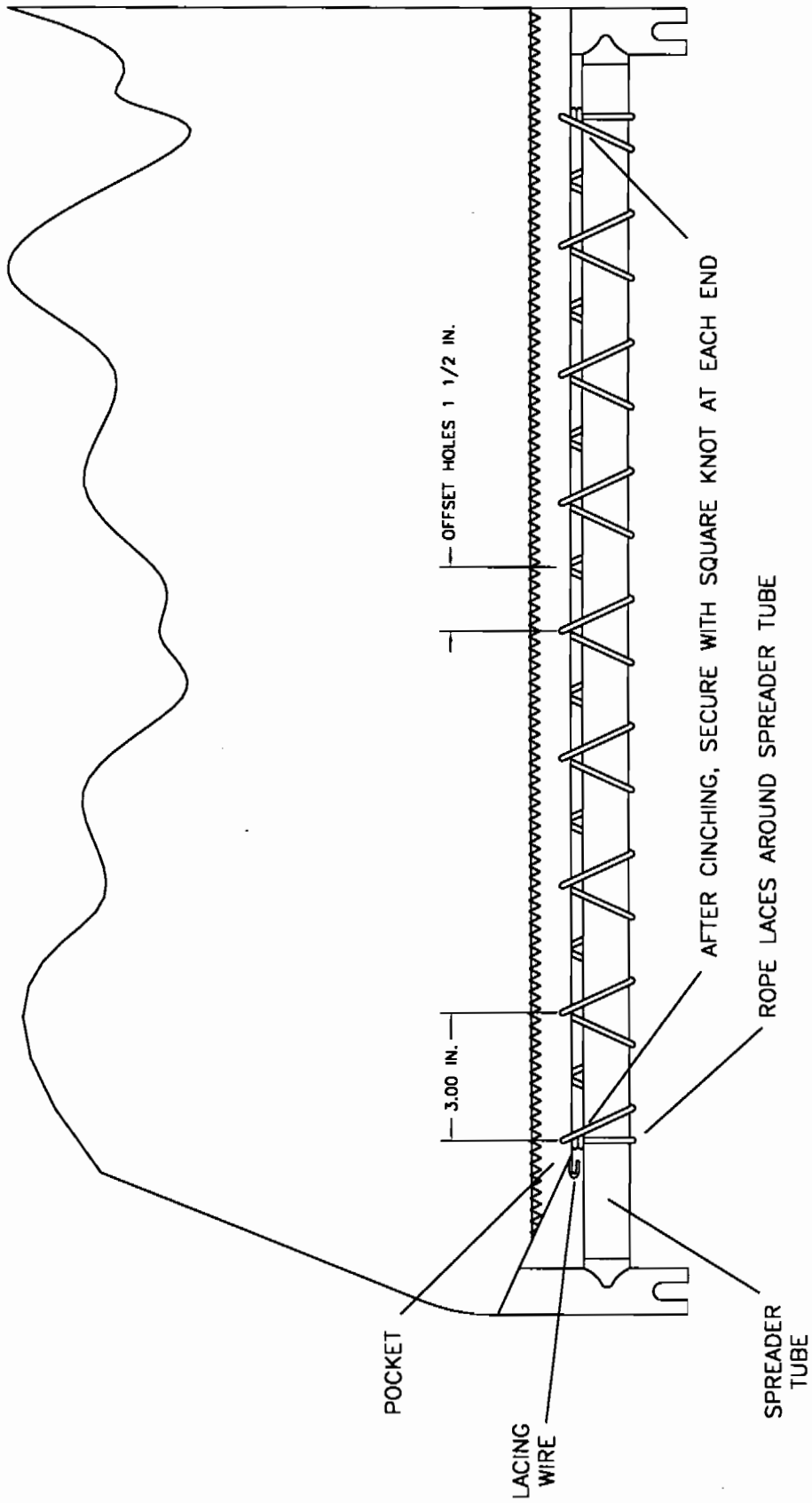
FIGURE 4-3



NOTE: IT IS IMPORTANT TO CUT THE NOTCH SO IT CAN SNAP OVER THE WASHER. CUT THE NOTCH LESS THAN ONE-HALF THE DIAMETER.

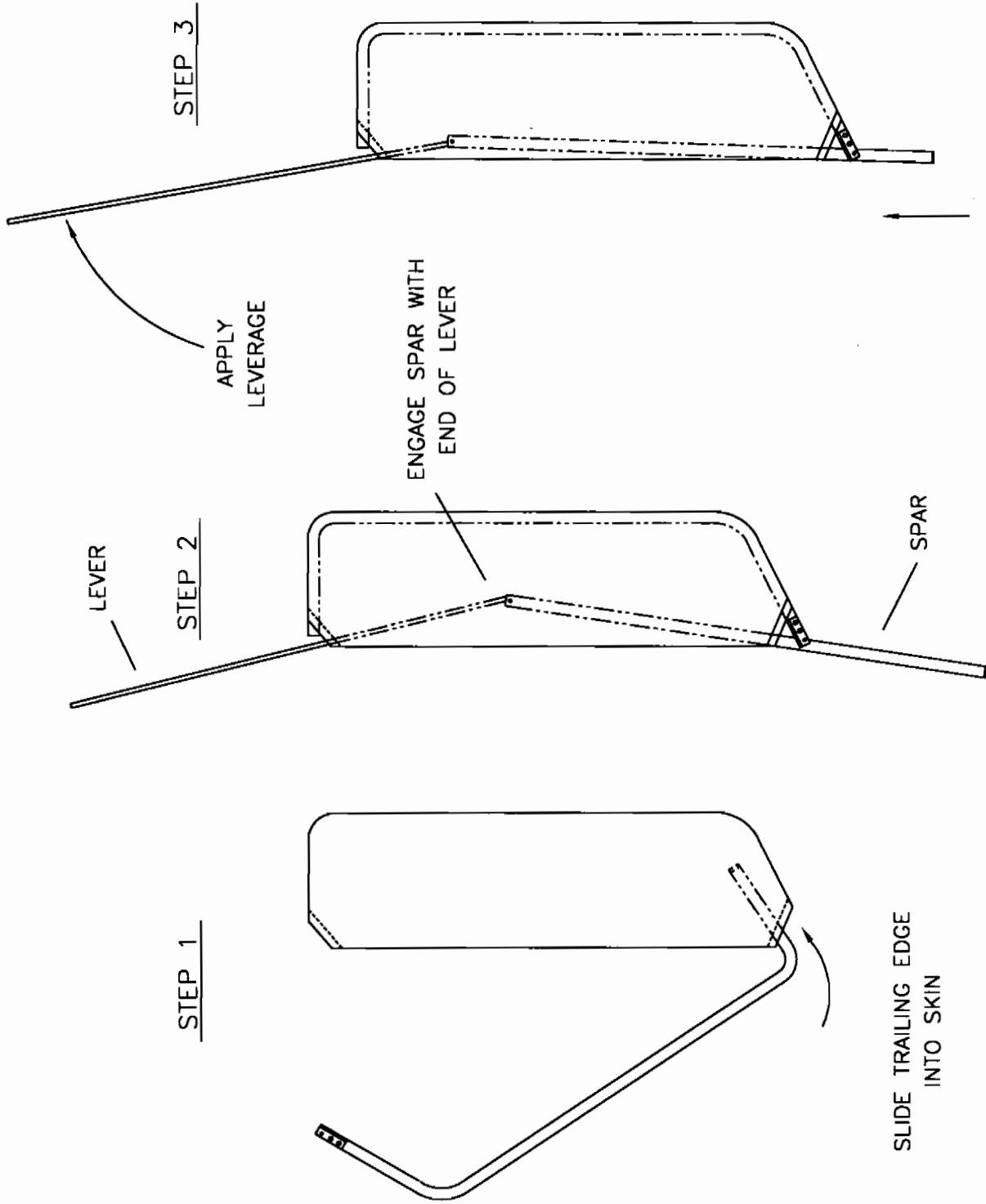
MD444

FIGURE 4-9



MD3720

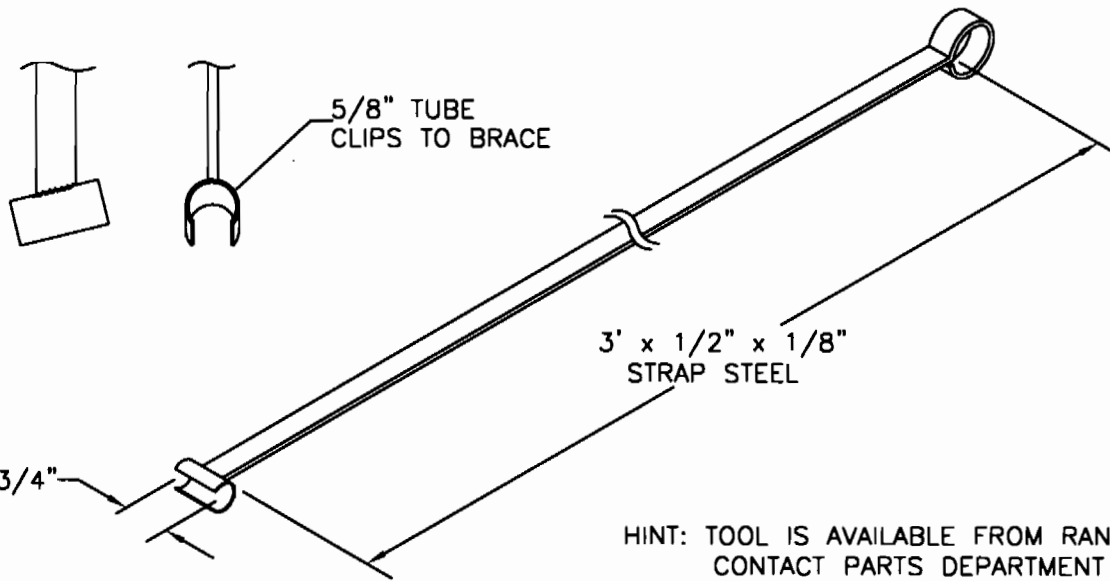
FIGURE 4-12



MD3722

FIGURE 4-17

# RANS INSTALLATION TOOL



CLIP IS FABRICATED FROM A 5/8" X .058 TUBE WELDED TO STRAP AT APPROX. 20° ANGLE

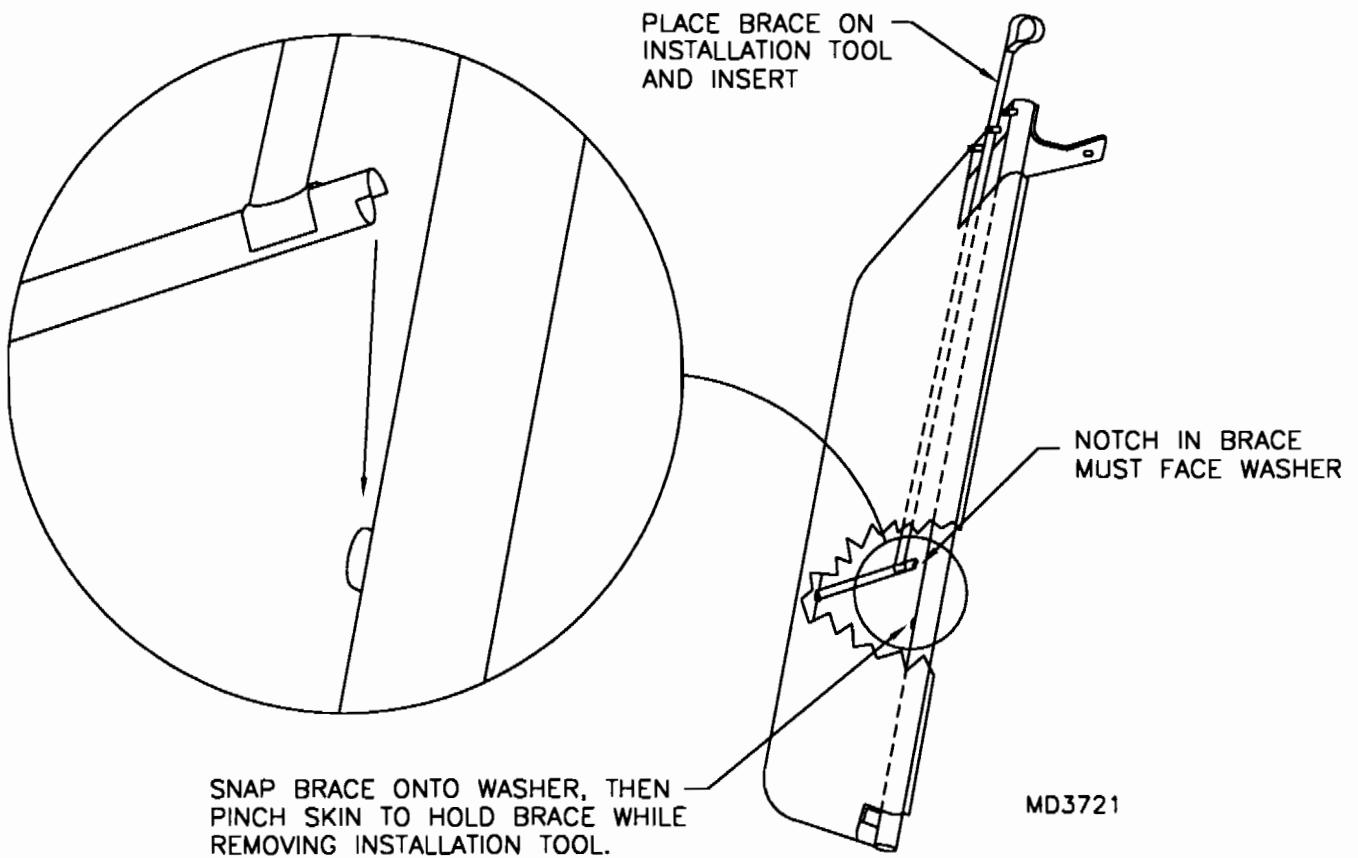


FIGURE 4-19



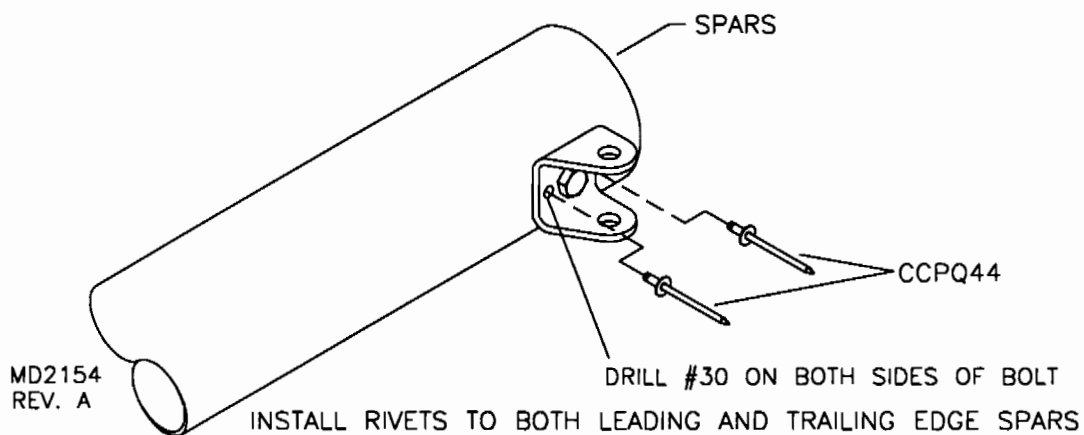
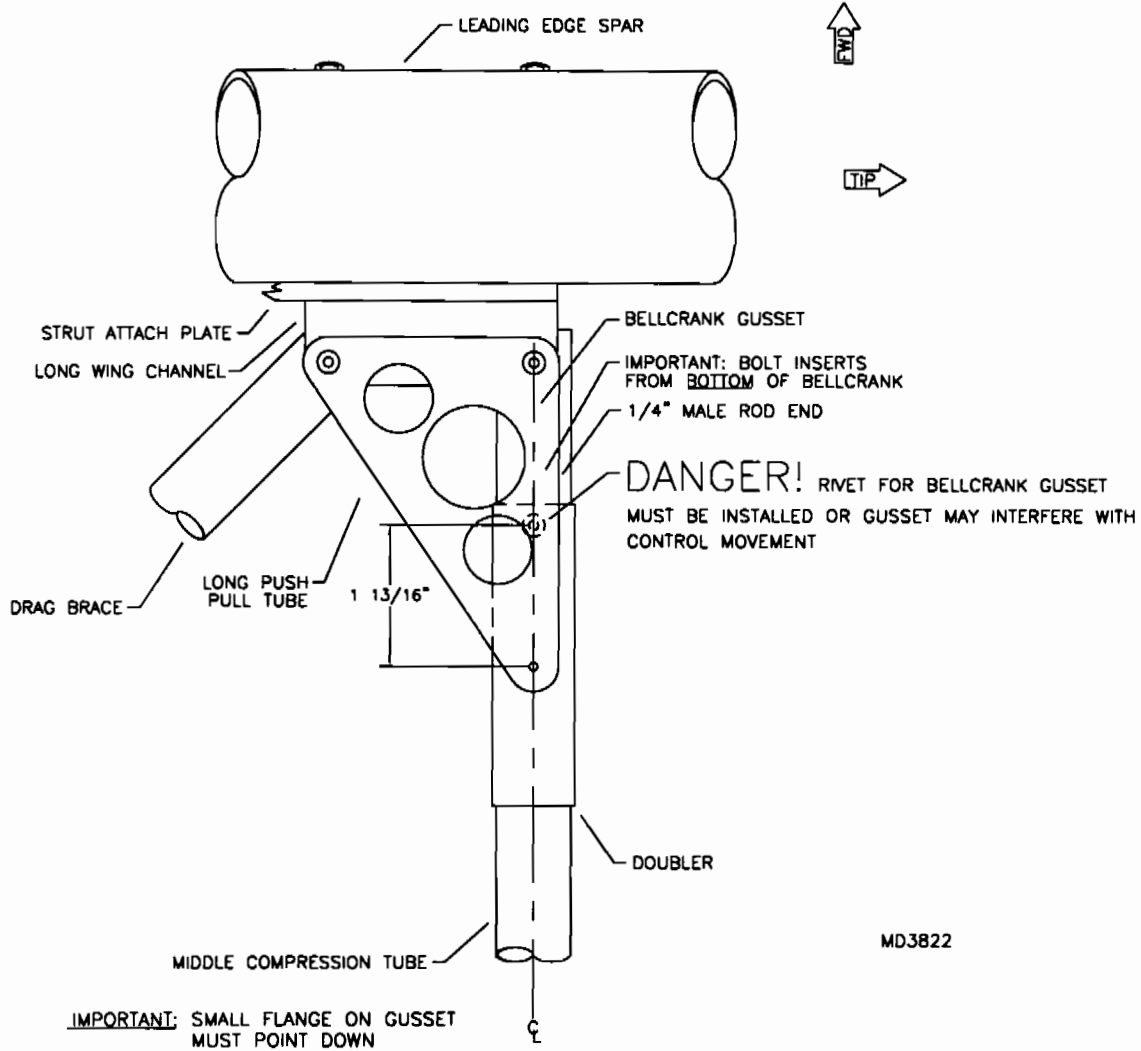
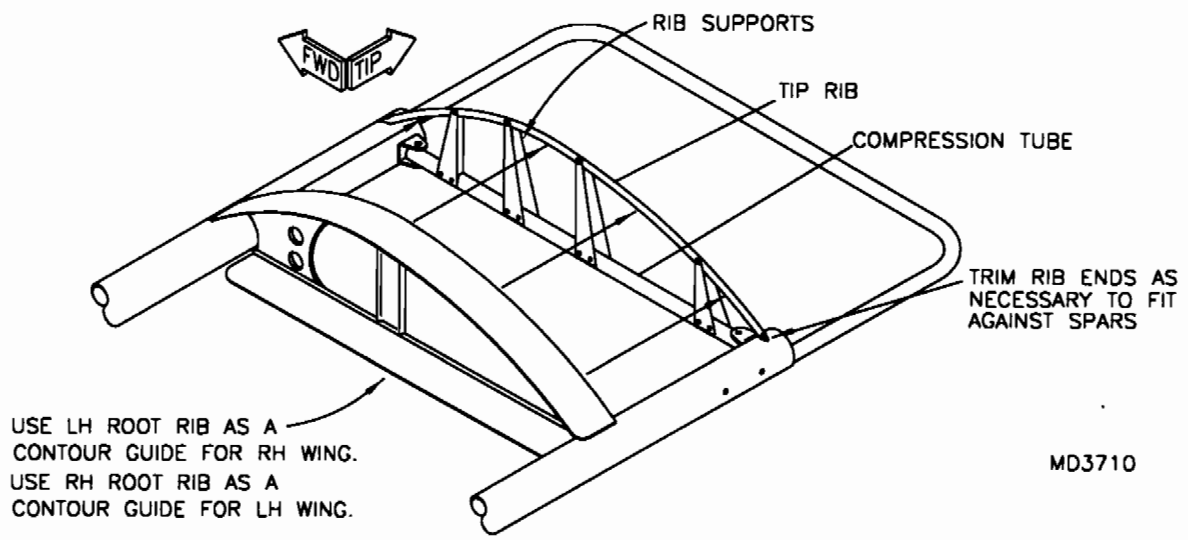
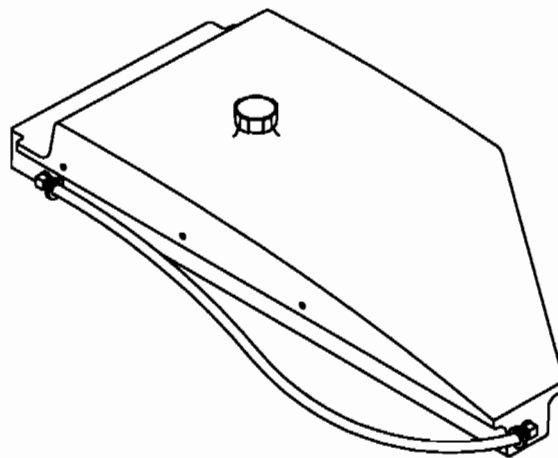
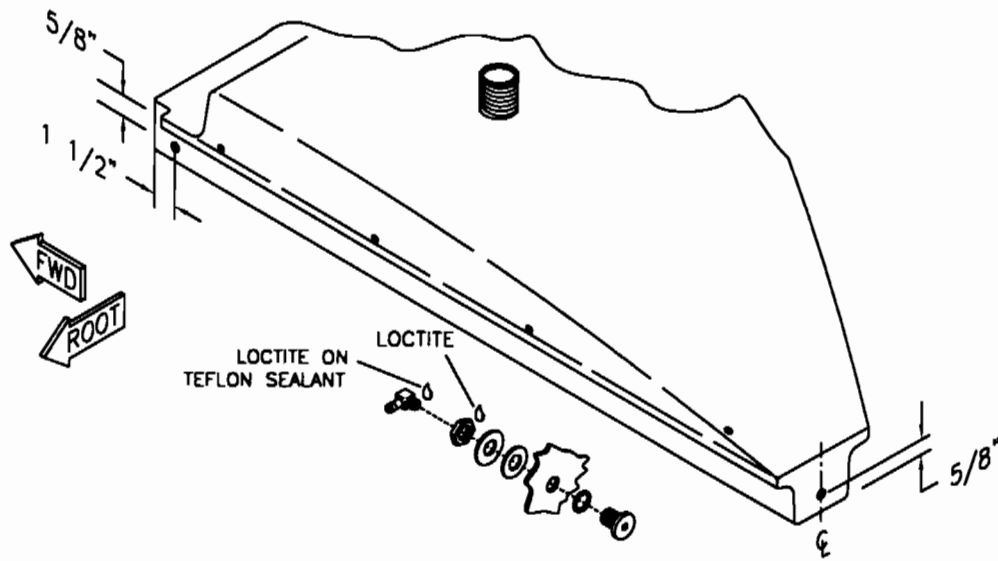


FIGURE 5-2  
S-17 STINGER



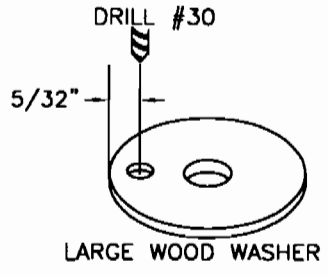
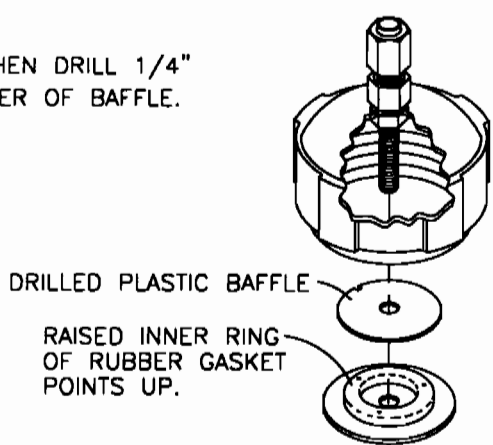
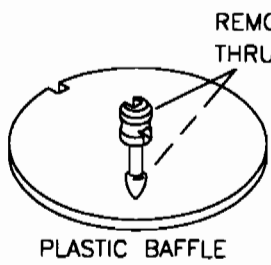
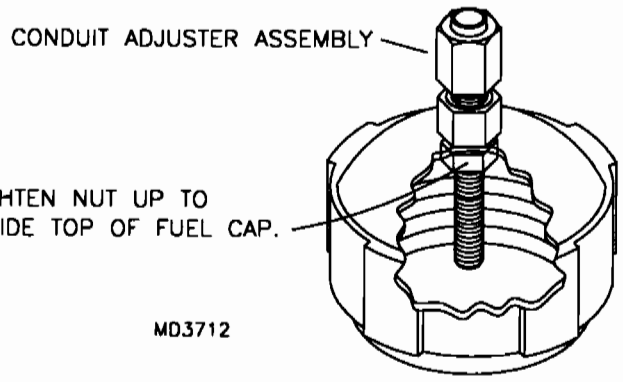
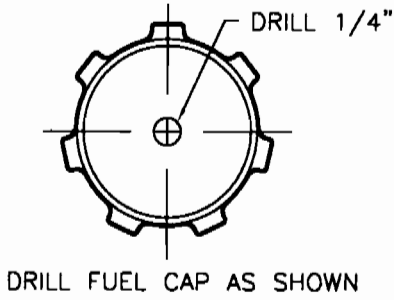
MD3710

FIGURE 5-4



MD3712

FIGURE 5-5



MD2924  
REV. A

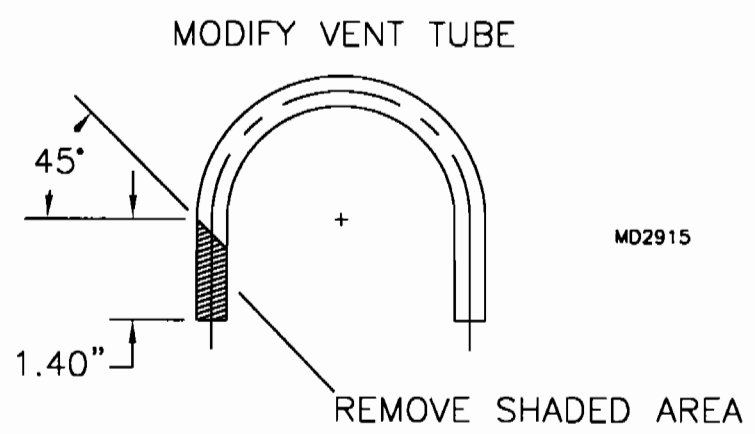
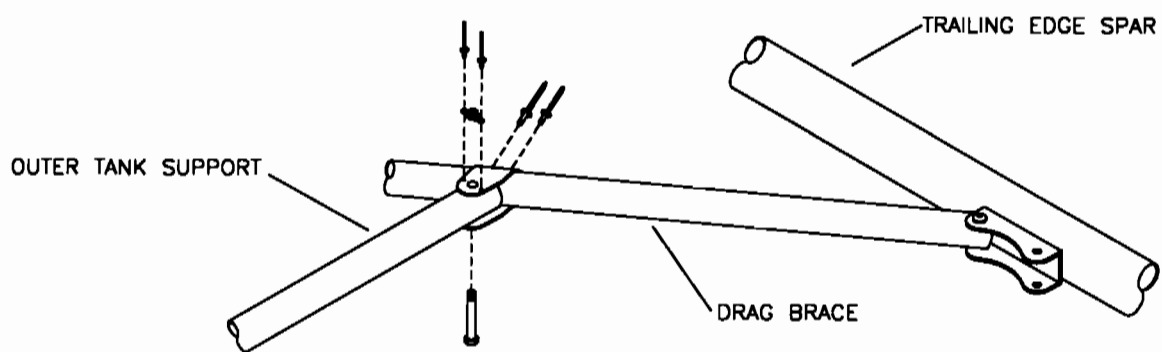


FIGURE 5-7



MD2919

FIGURE 5-10

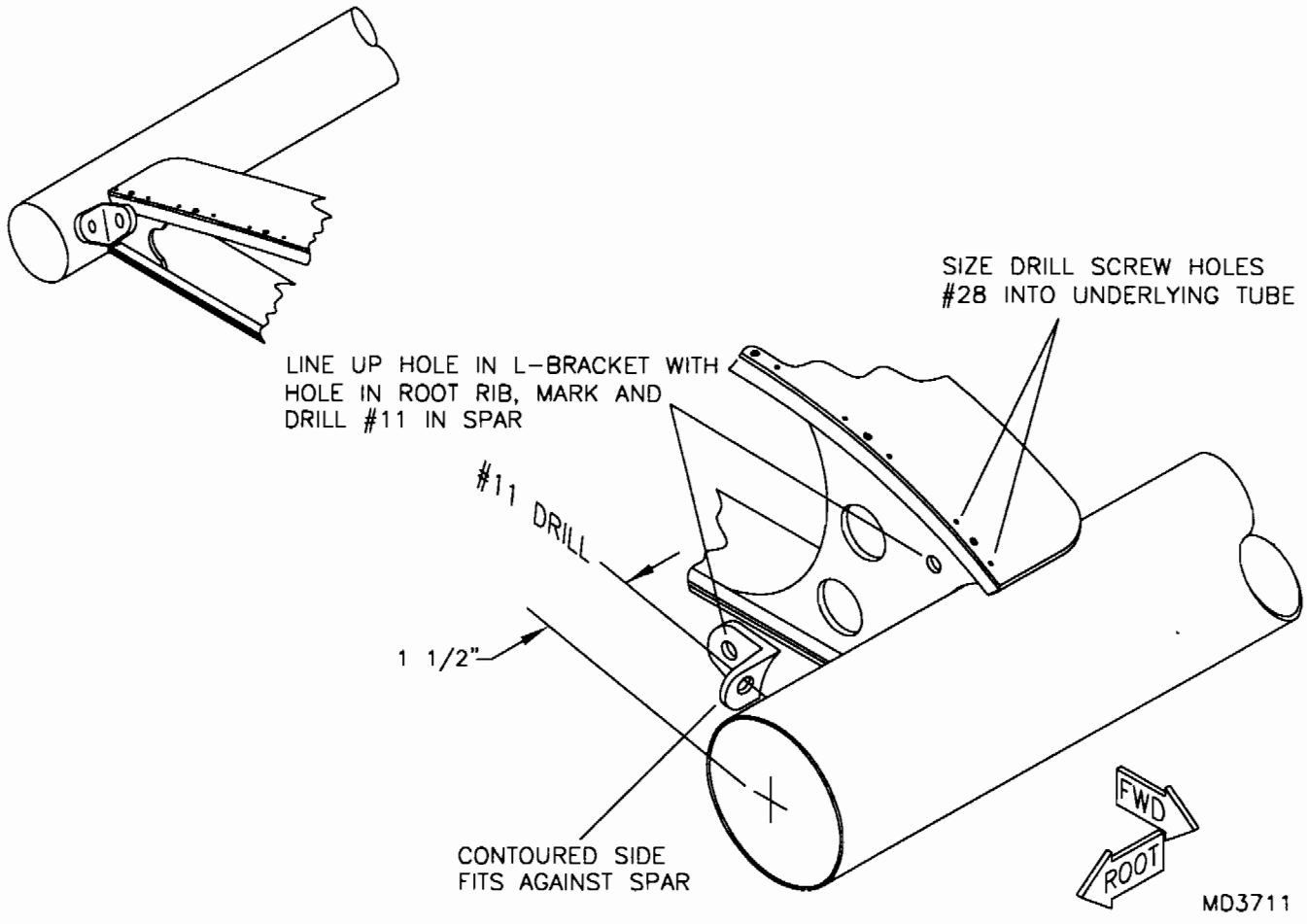


FIGURE 5-12

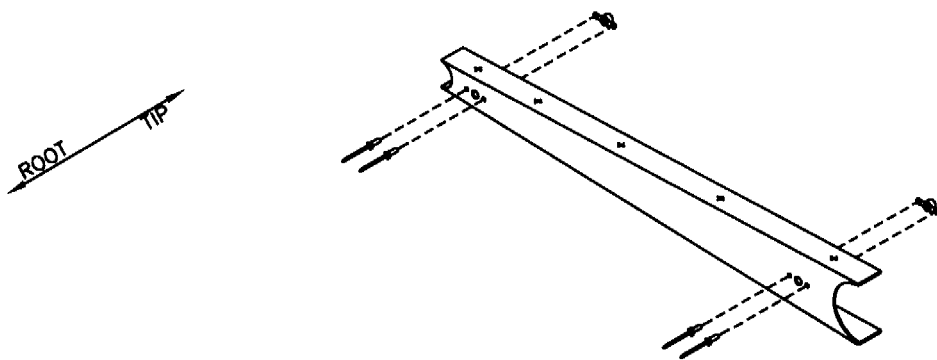
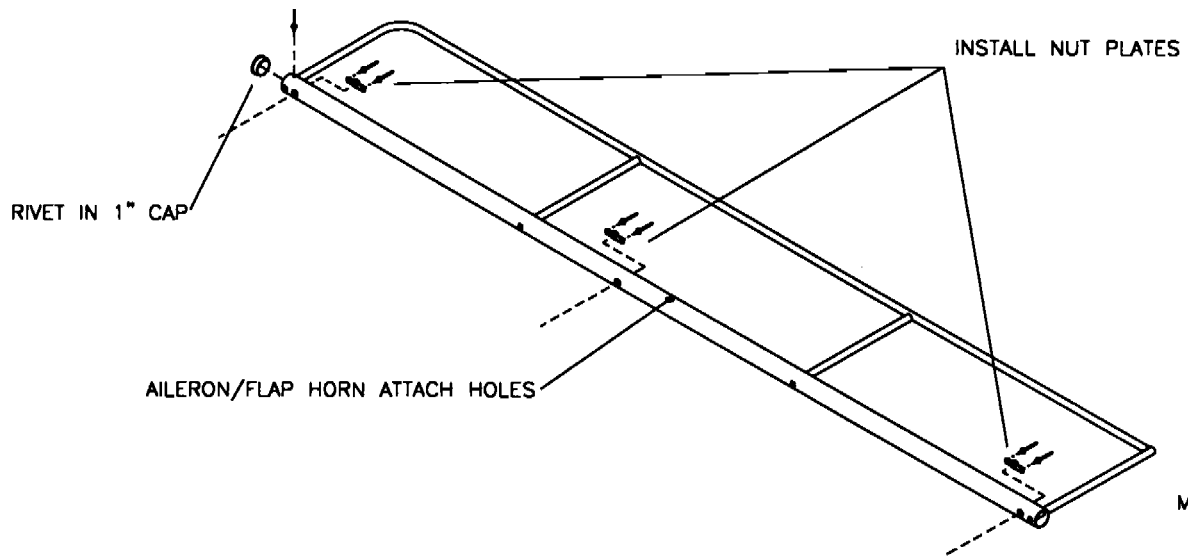


FIGURE 5-13

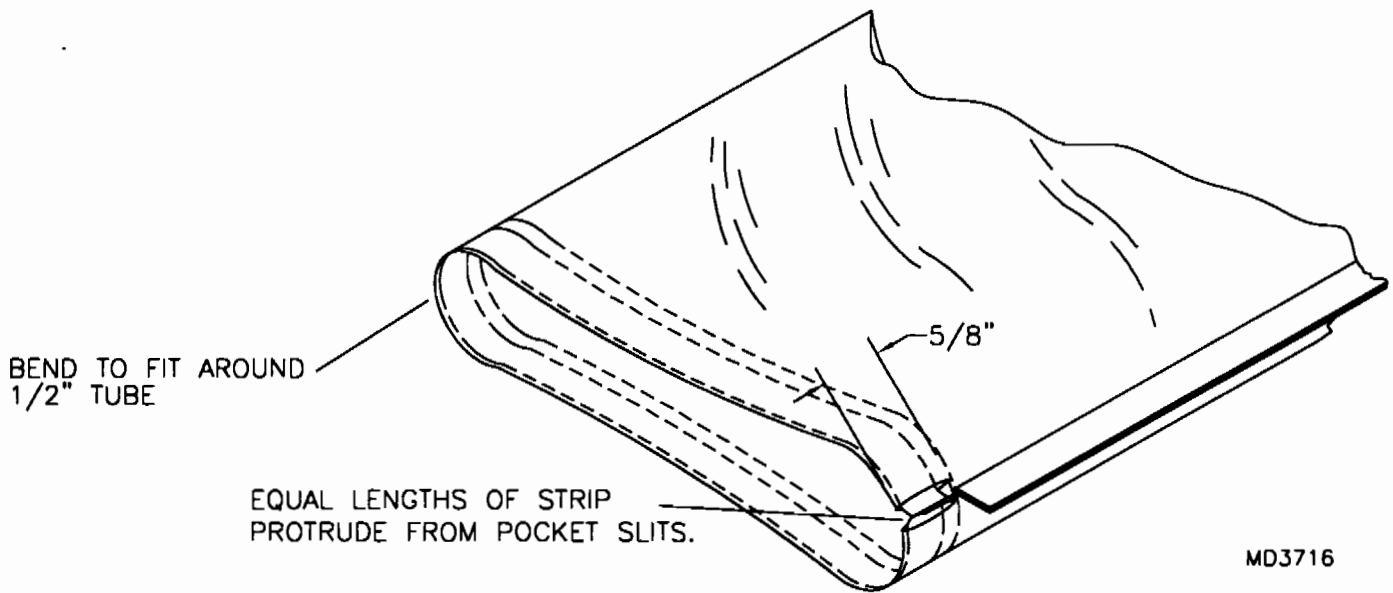
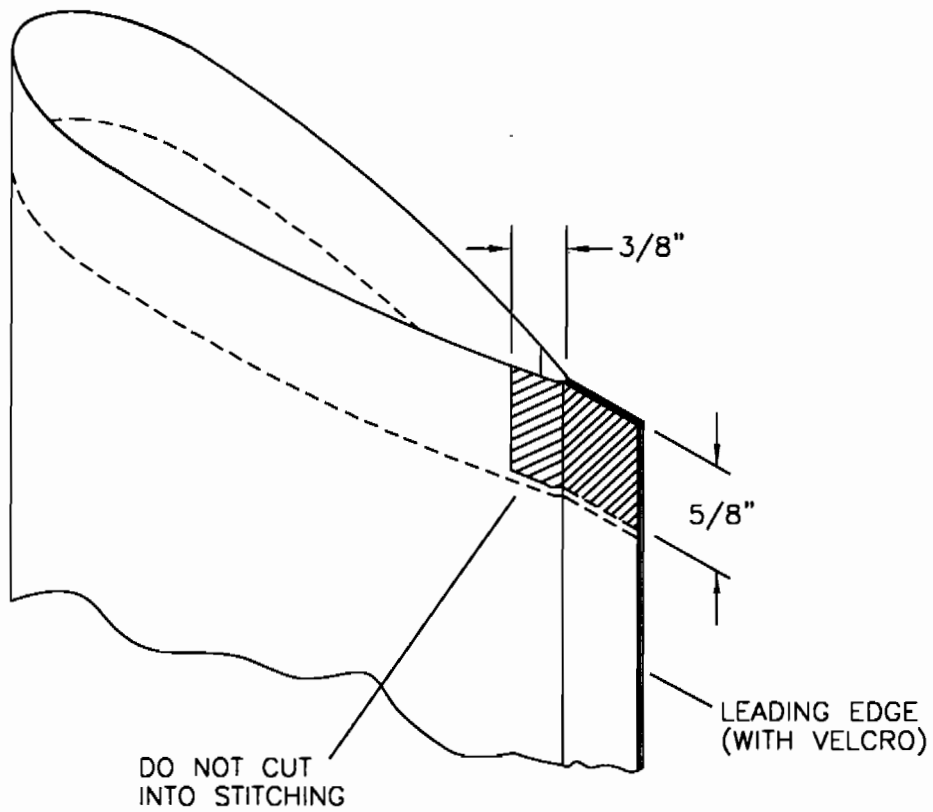
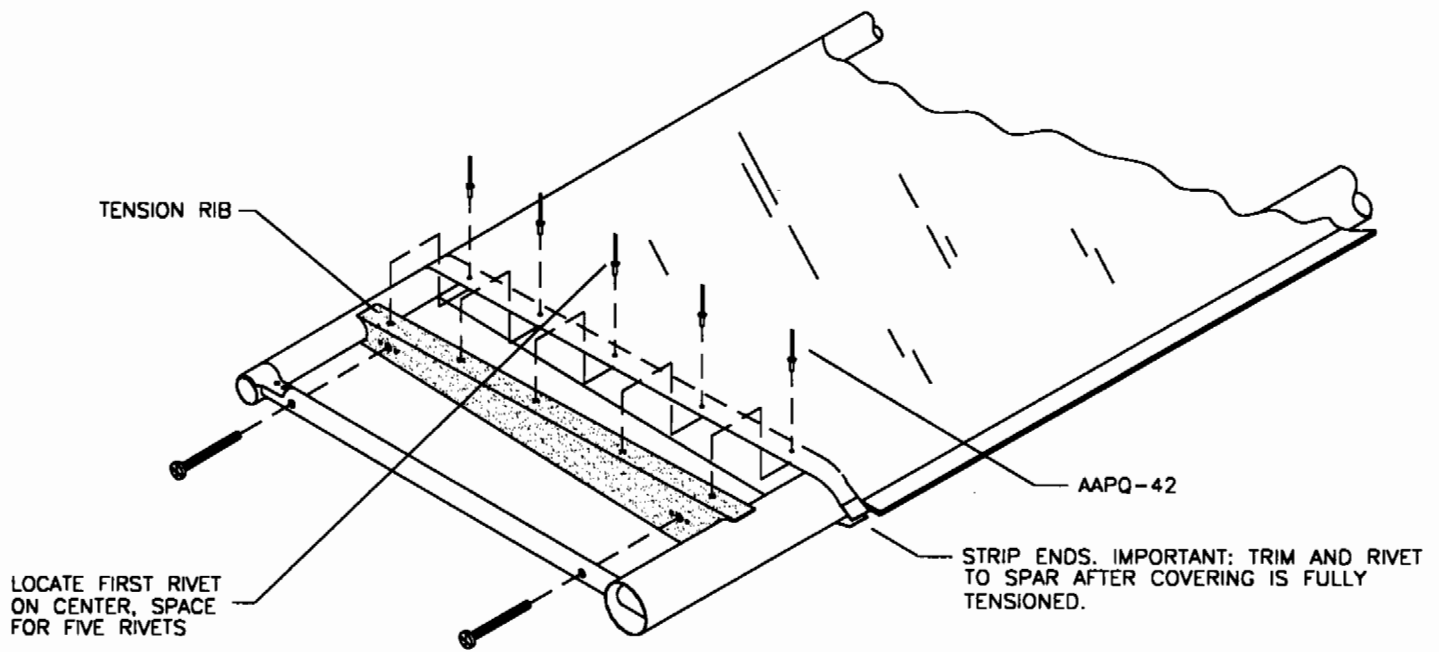
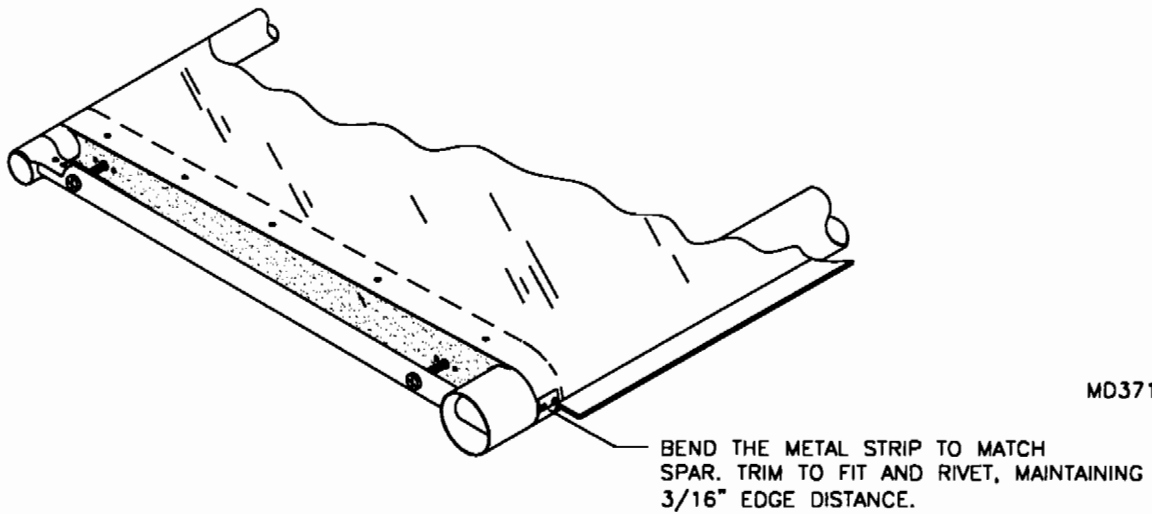


FIGURE 5-14





MD3713



MD3714

FIGURE 5-15

AILERON CLIP INSTALLATION

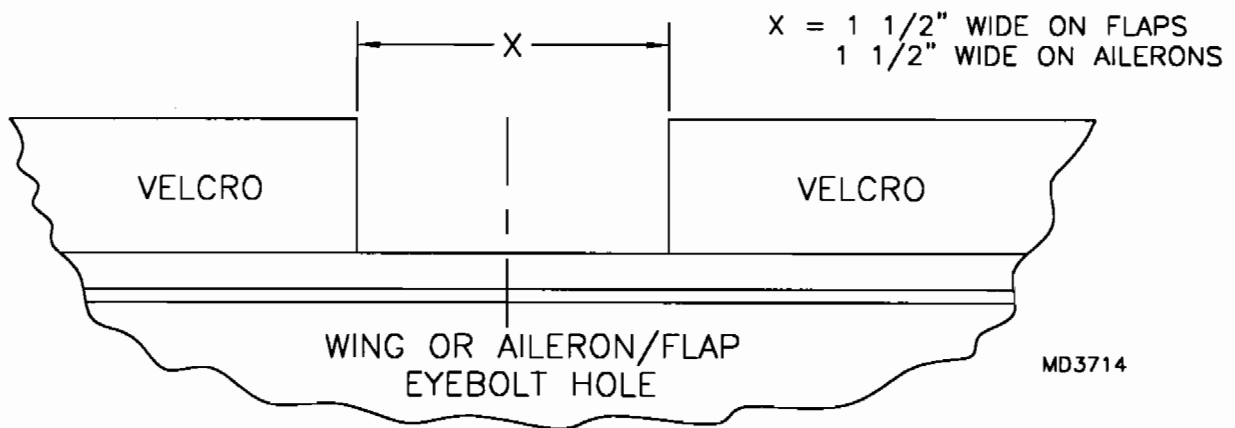
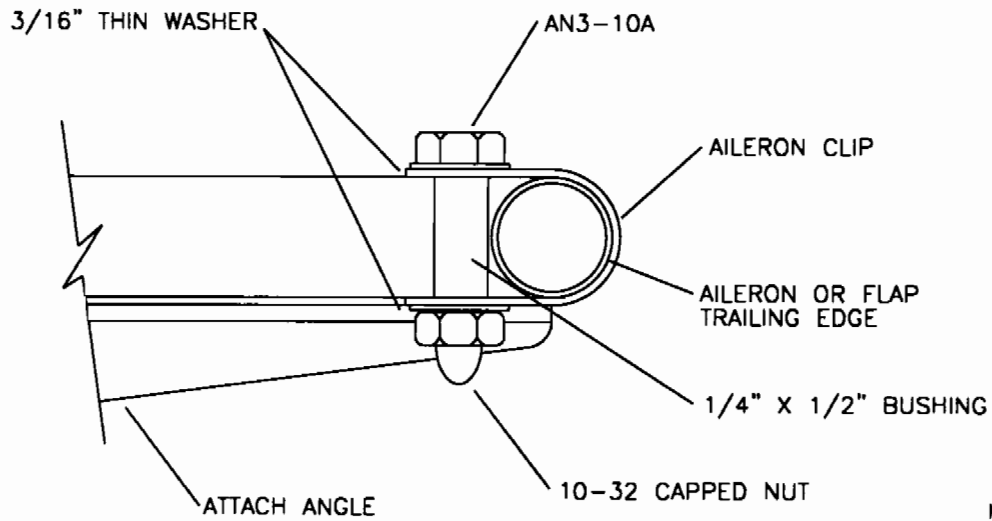
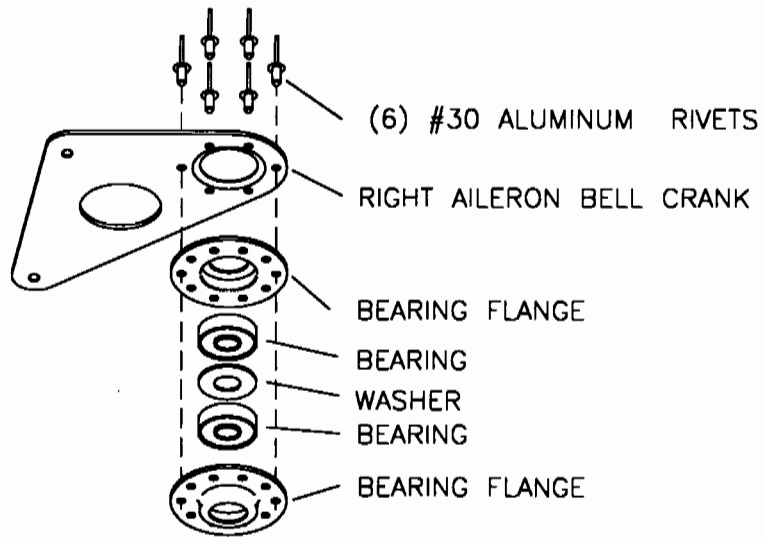
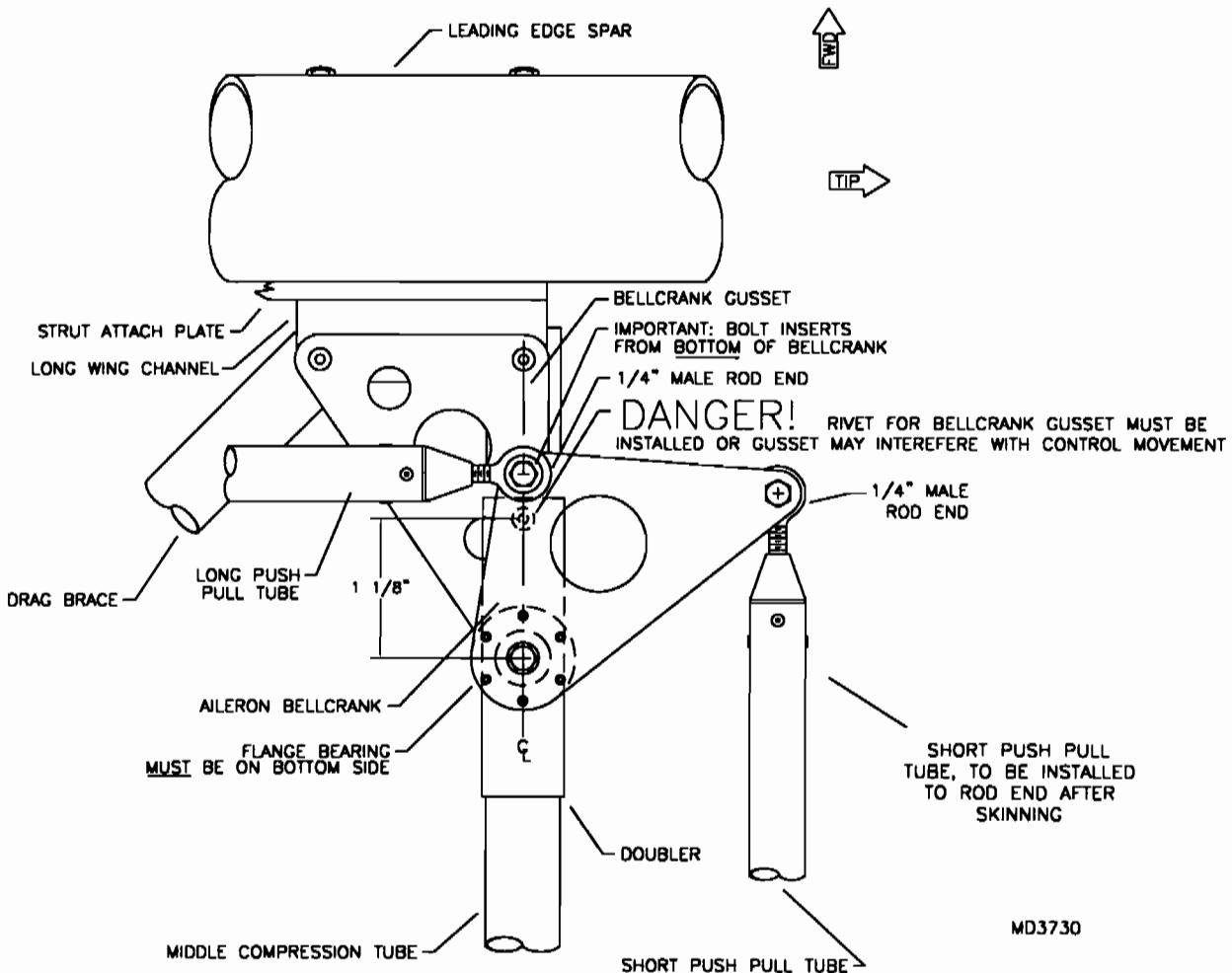


FIGURE 5-16

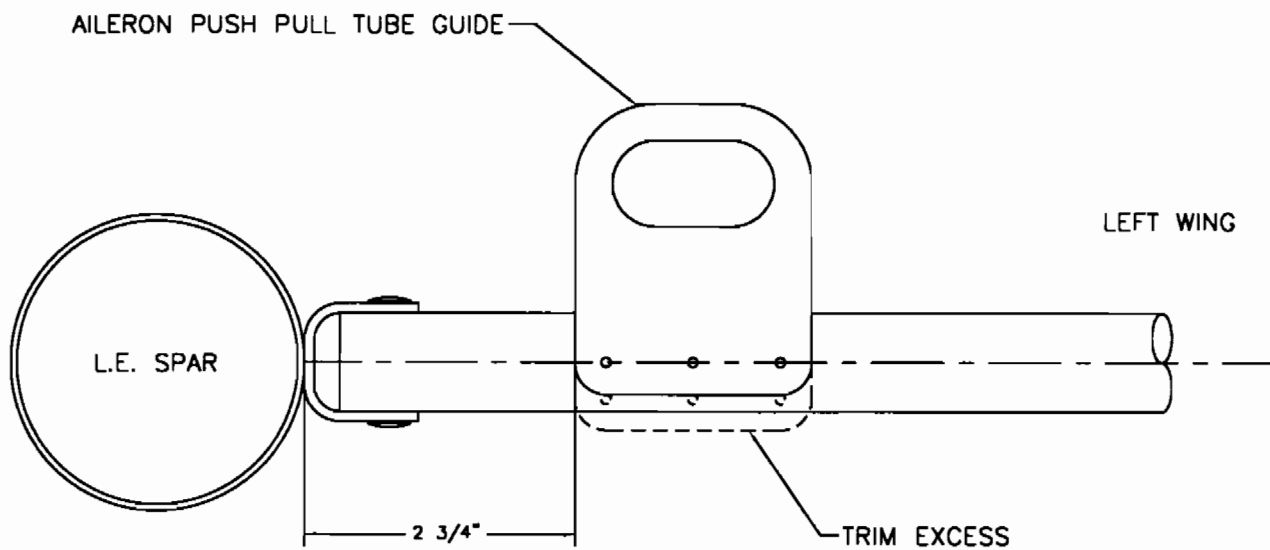
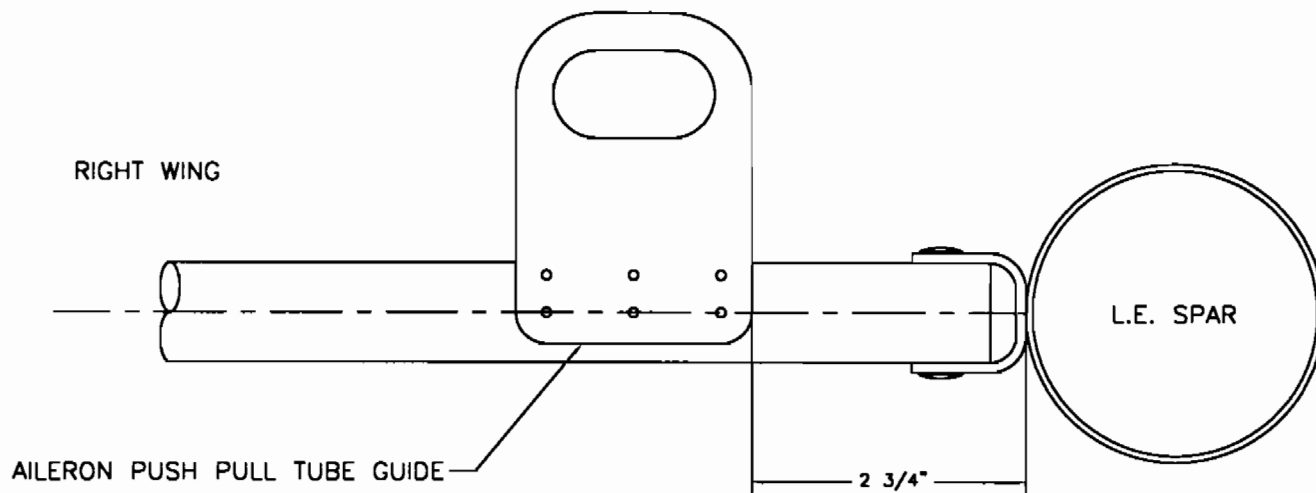


MAKE LEFT AND RIGHT BELL CRANKS



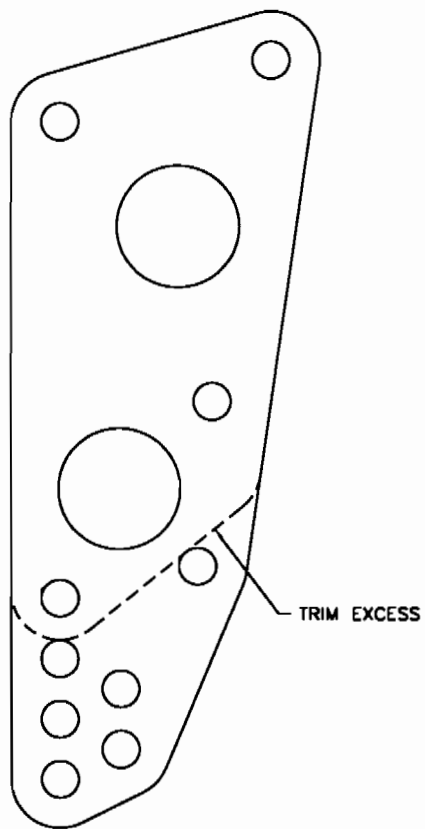
IMPORTANT: SMALL FLANGE ON GUSSET MUST POINT DOWN

FIGURE 5-18



MD3723

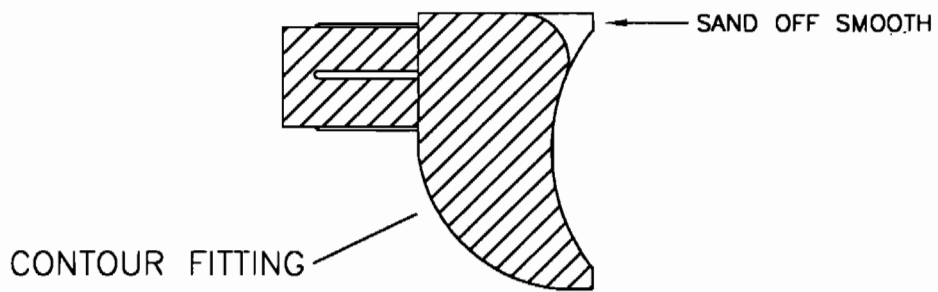
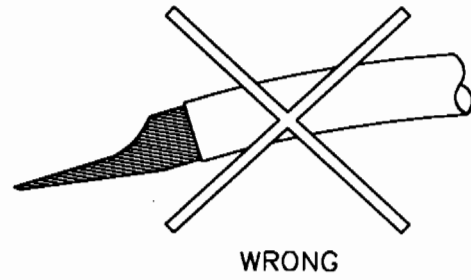
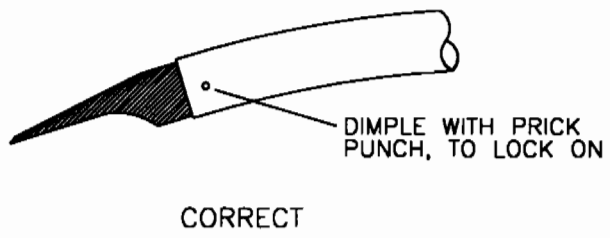
FIGURE 5-20



MD3737

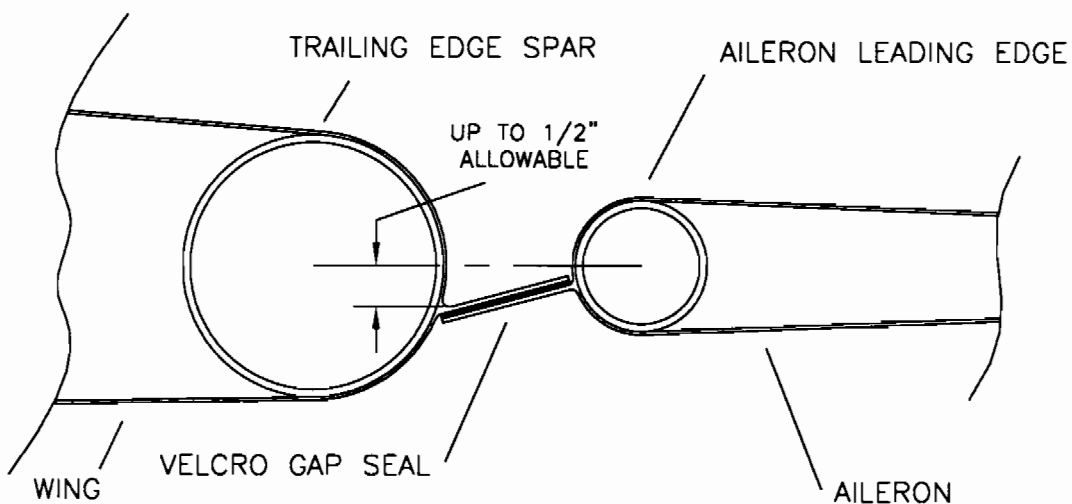
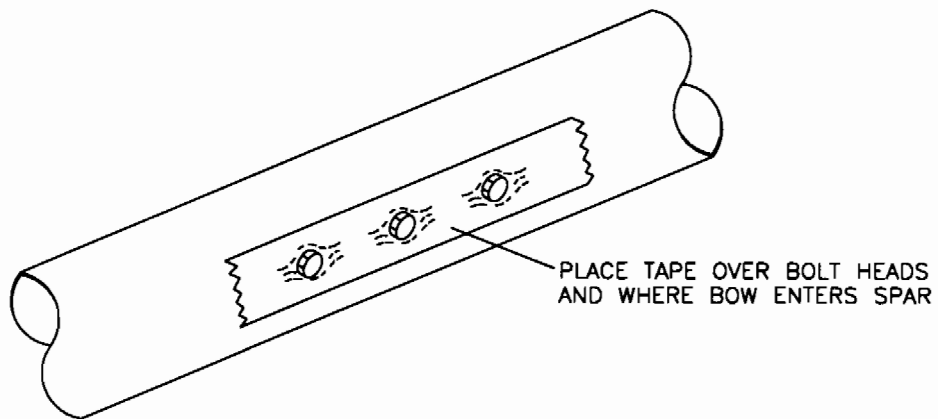
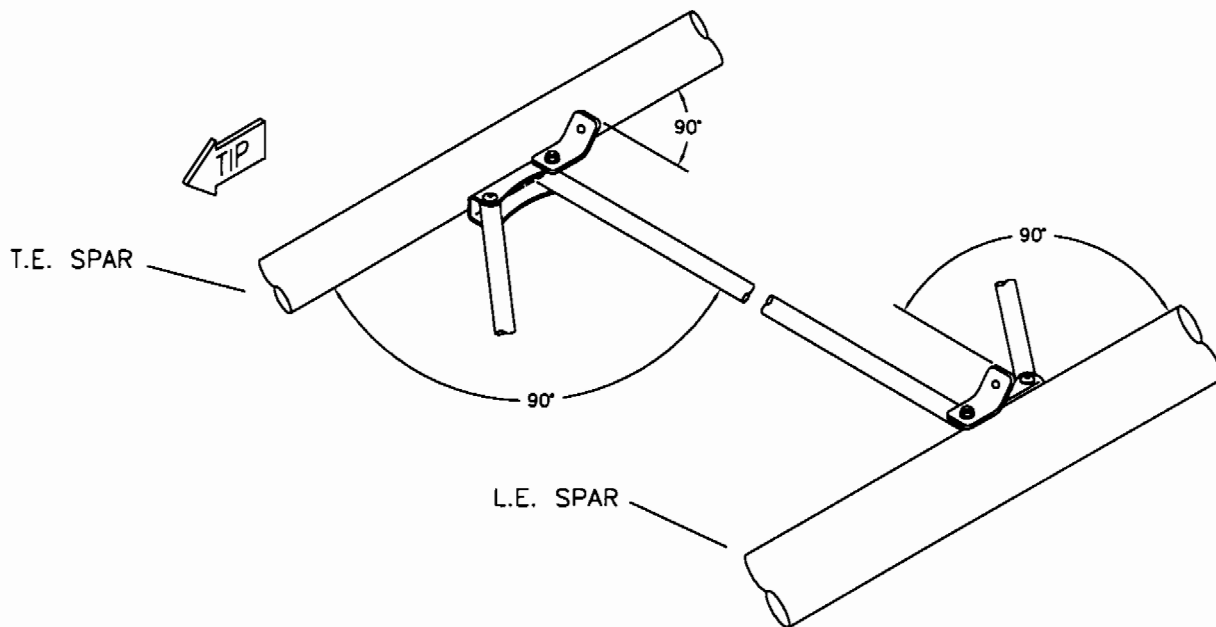
FLAP HORN

FIGURE 5-23



MD2899

FIGURE 5-28



ERROR OF NO MORE THAN 1/2" BELOW AFT CENTERLINE OF T.E. SPAR IS ACCEPTABLE

MD3823

FIGURE 5-29

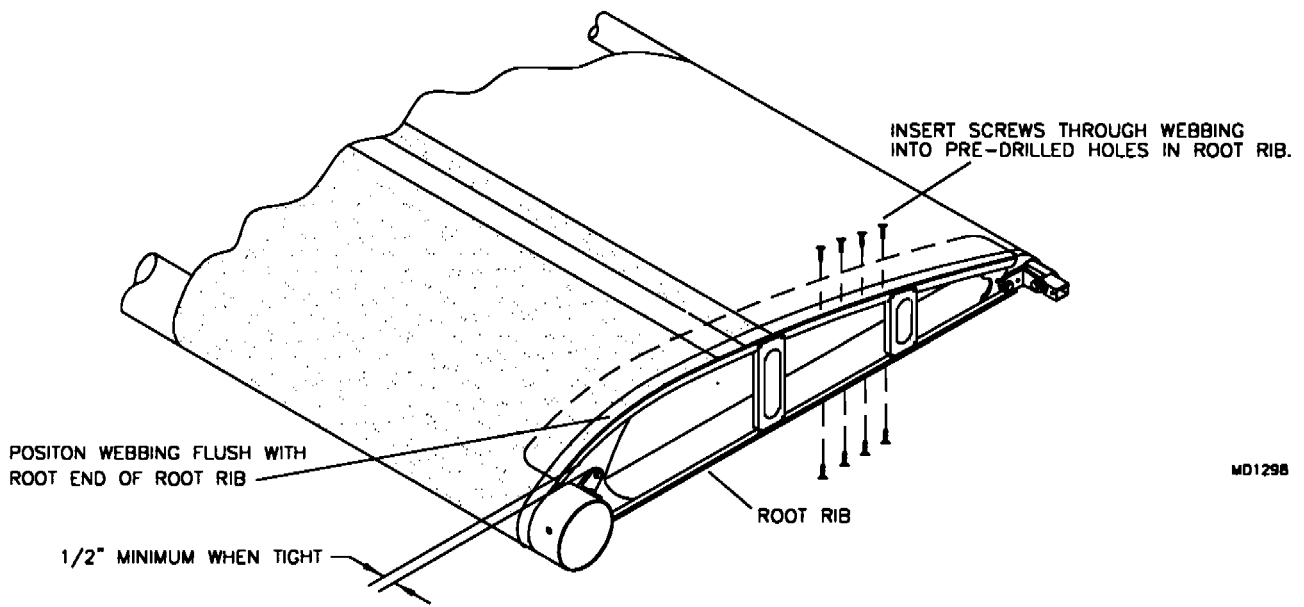


FIGURE 5-31



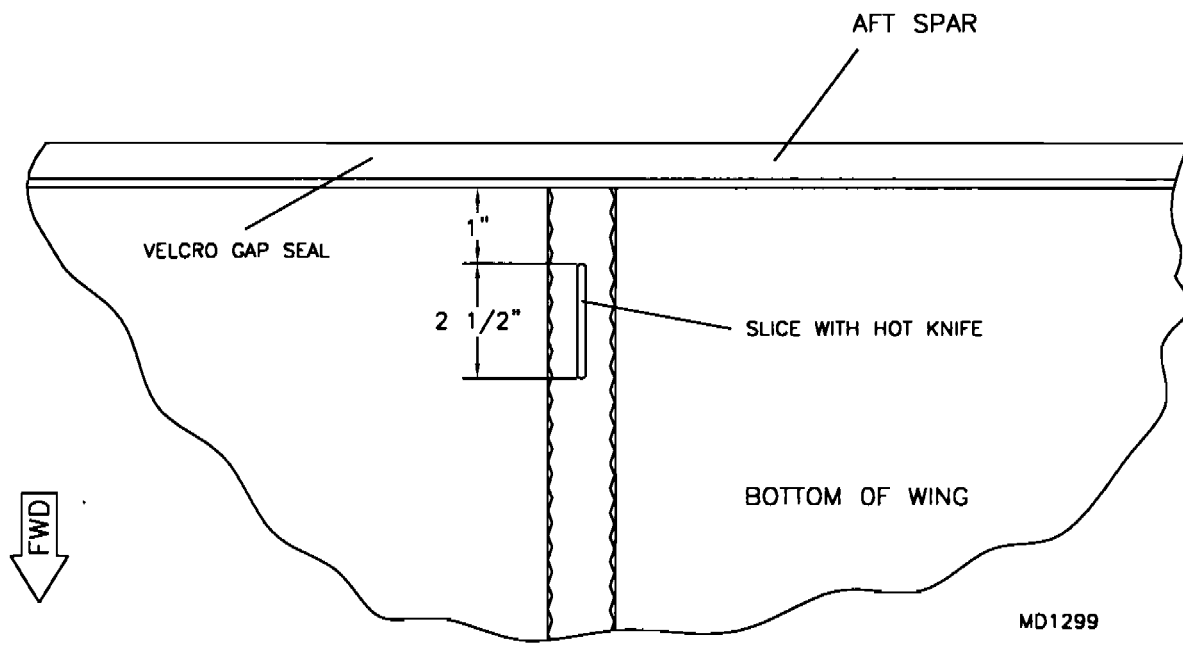
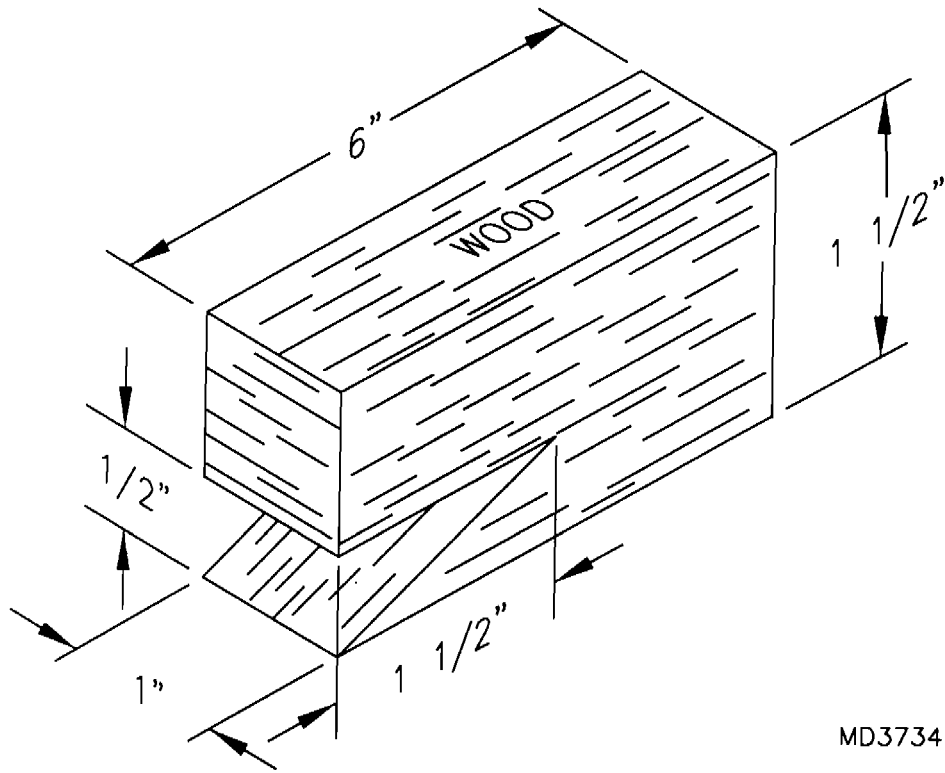
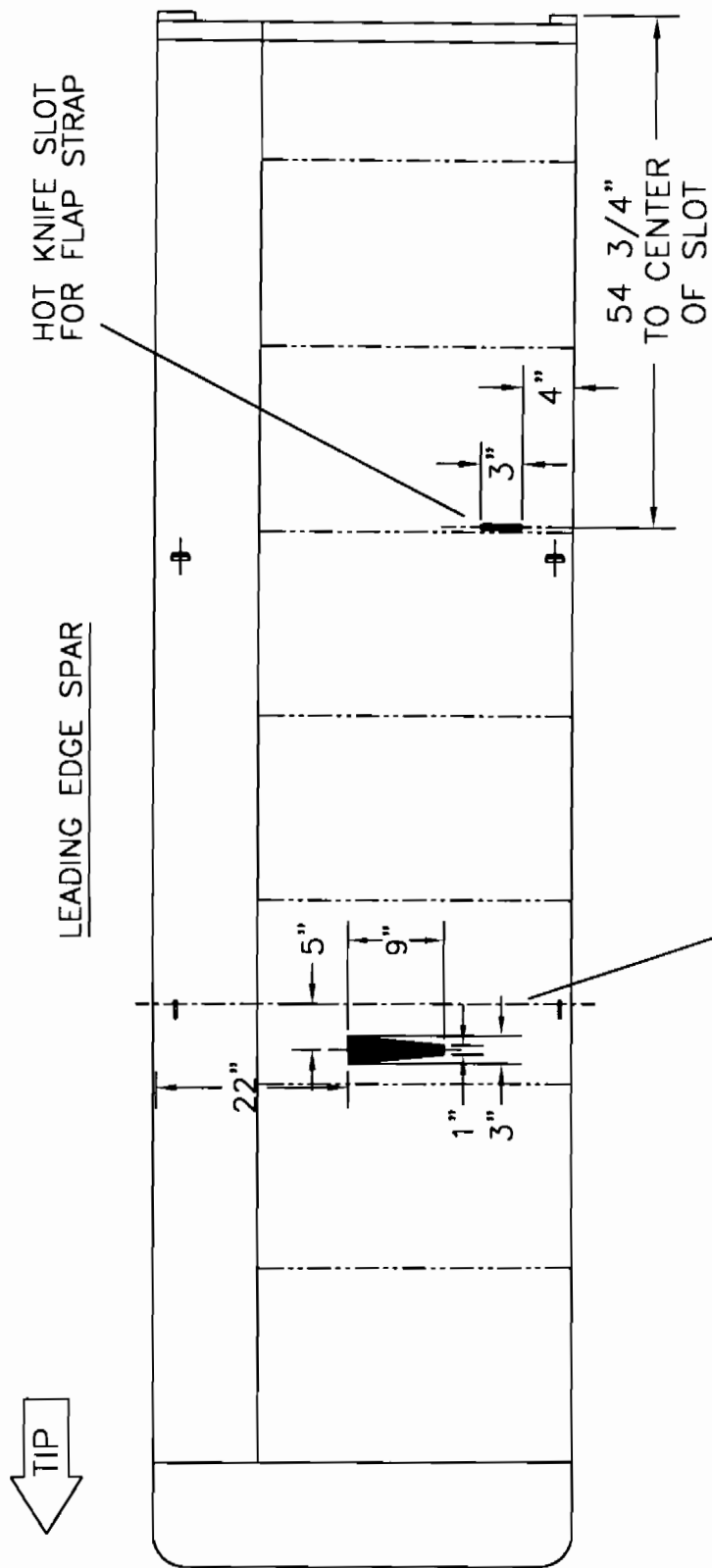


FIGURE 5-33



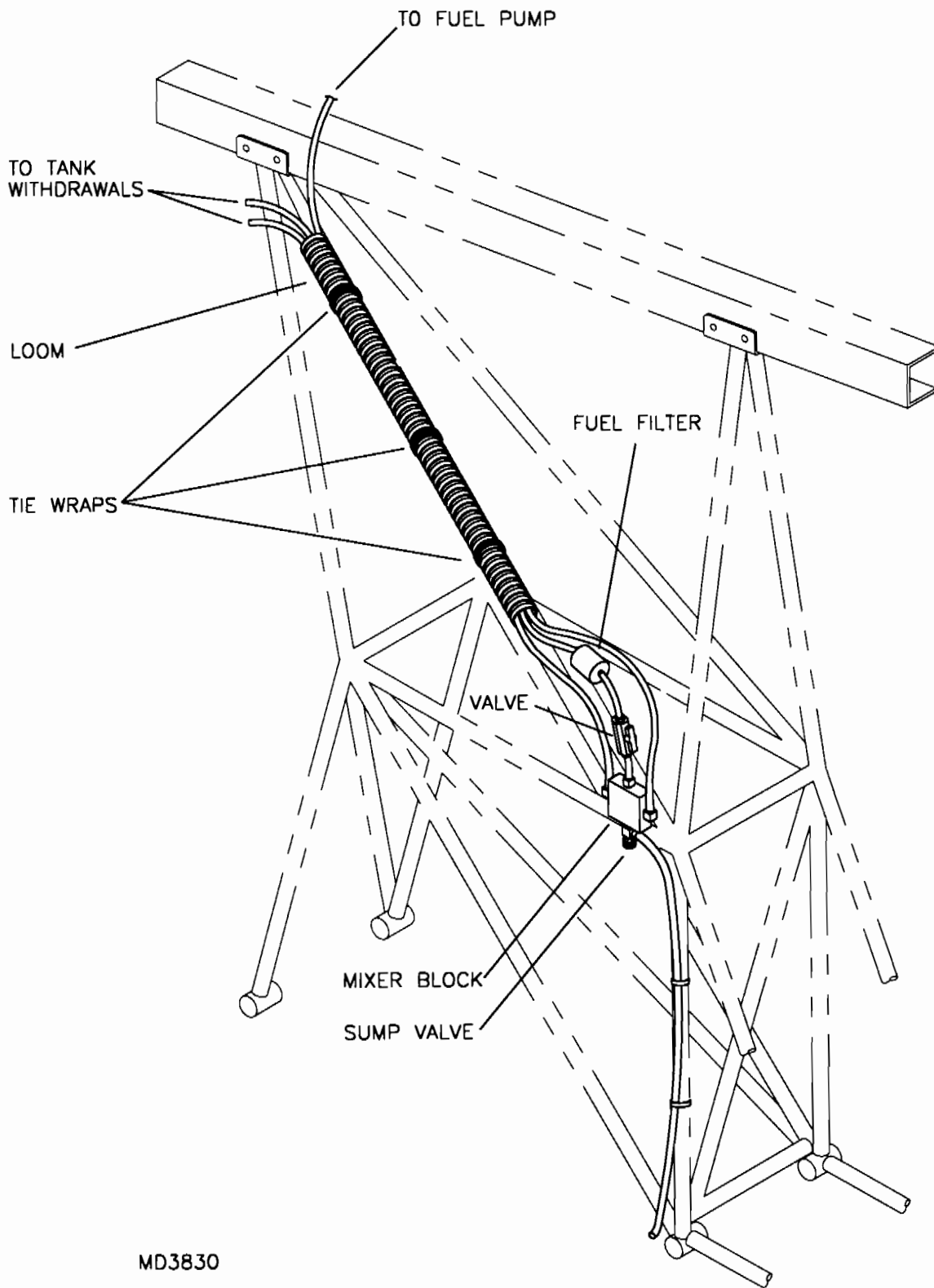
MD3734

FIGURE 5-34



MD3731

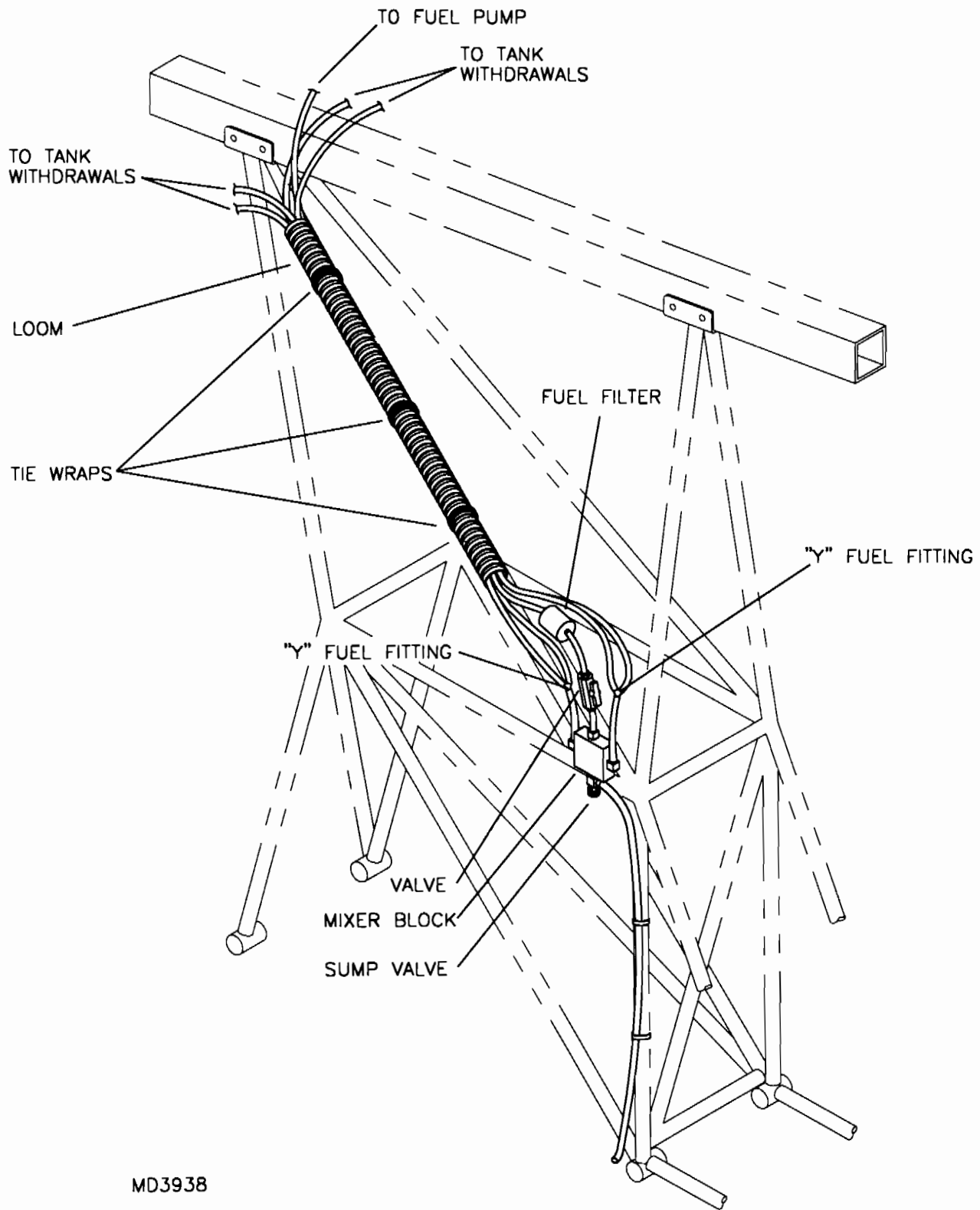
FIGURE 5-35



MD3830

FIGURE 6-2

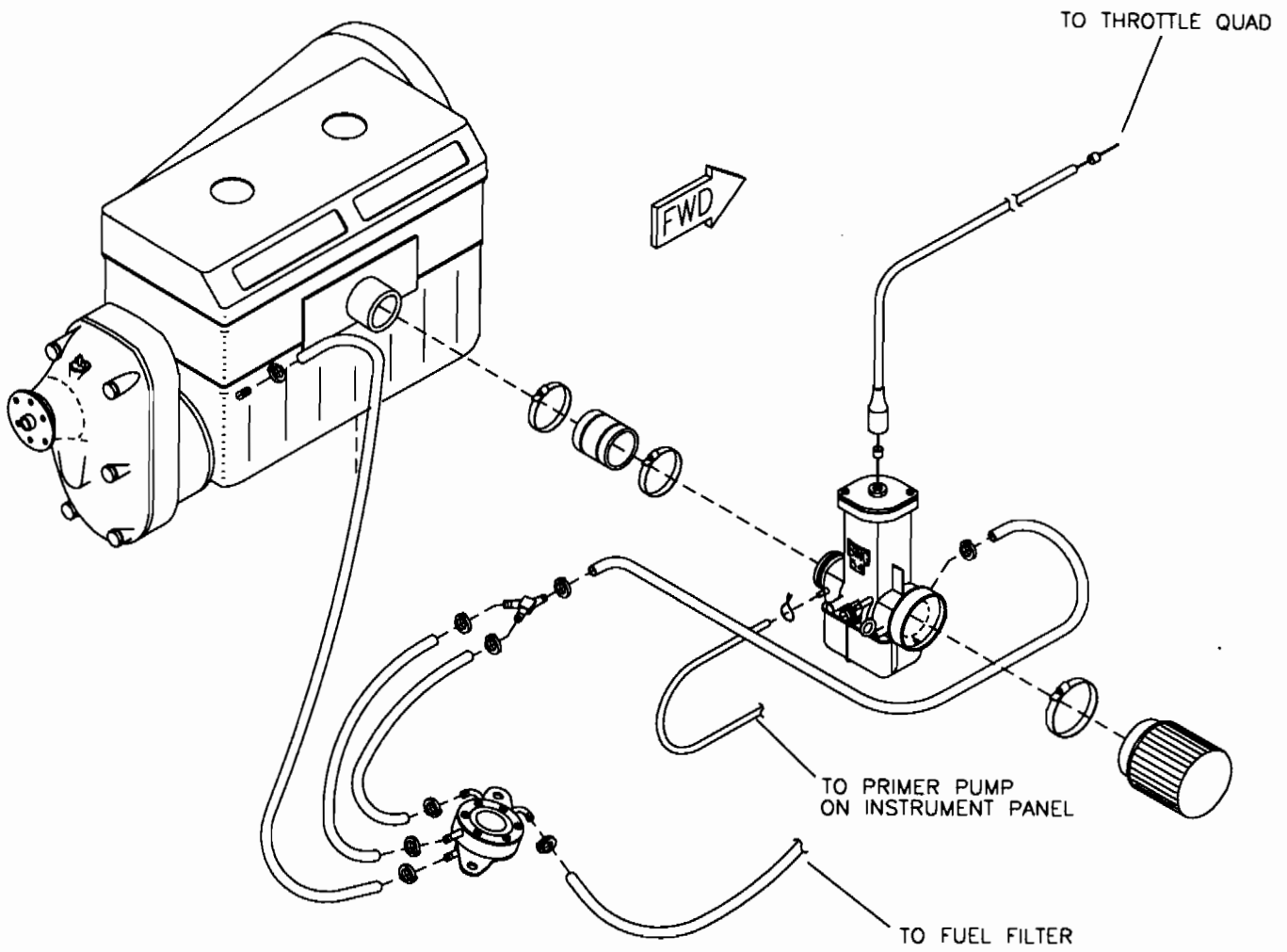
2/21/00



MD3938

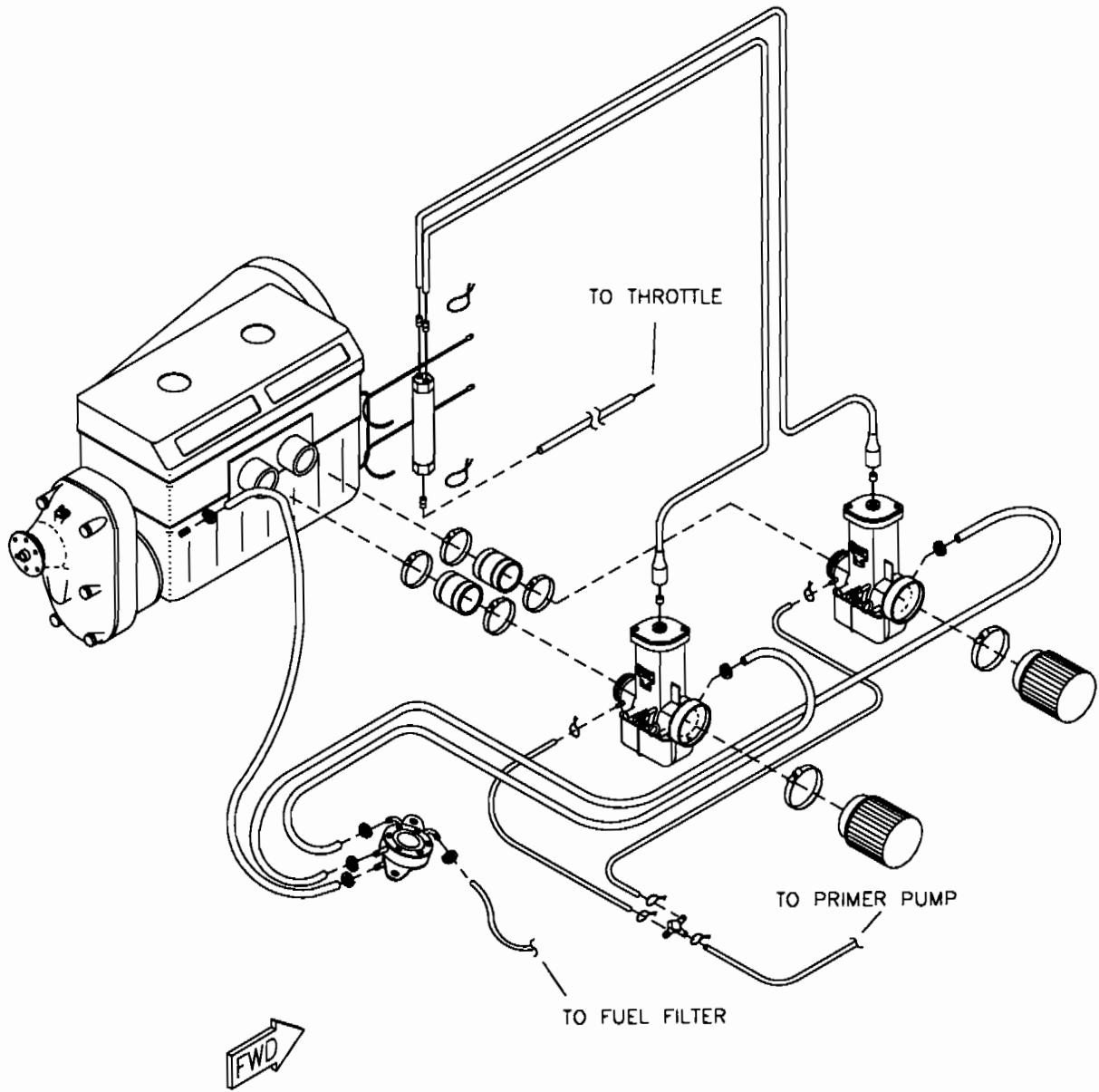
FIGURE 6-2A

11/14/00



MD3792

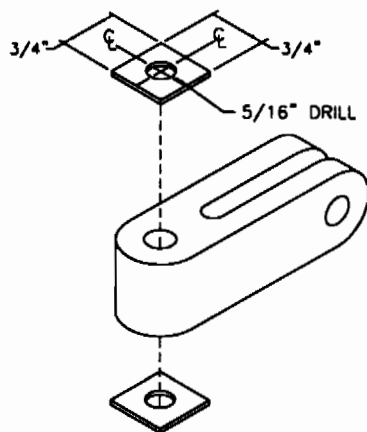
FIGURE 6-4



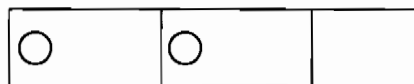
MD3791

FIGURE 6-5

UPPER FWD AND AFT STRUT SHIM



HINT: USE CONNECTOR AS TEMPLATE

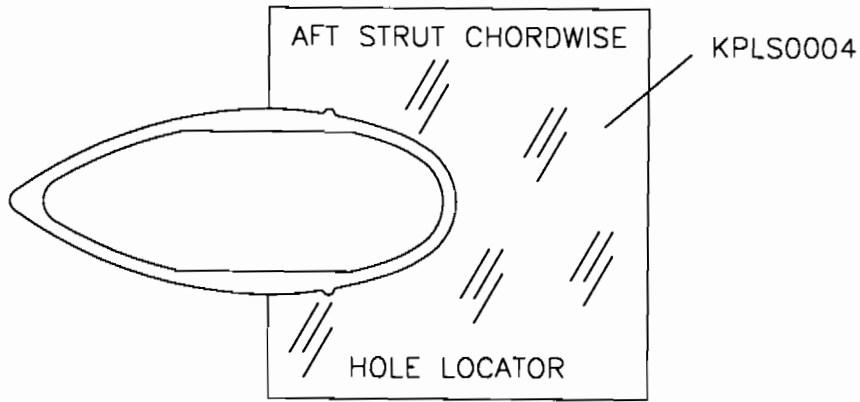


HINT: DRILL HOLES IN SHIM STRAP THEN CUT TO LENGTH. MAKE AS REQUIRED.

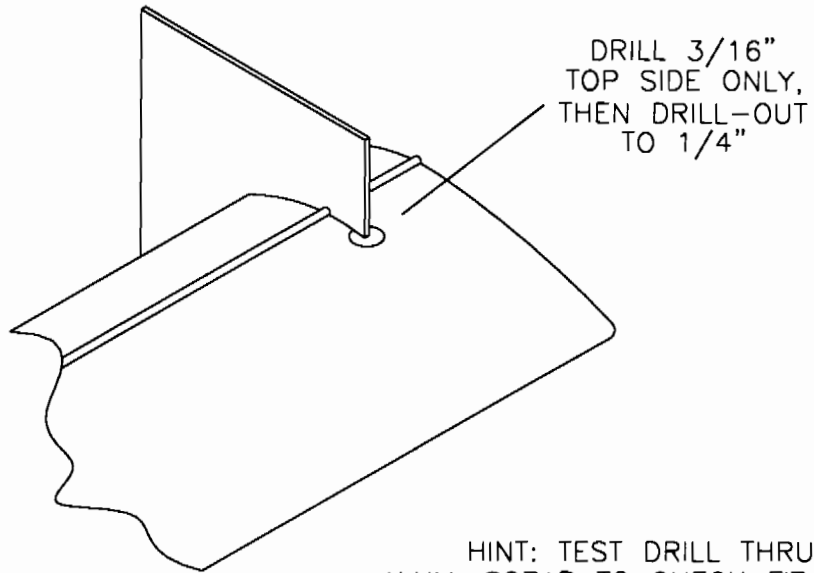
MD1169

FIGURE 7-1



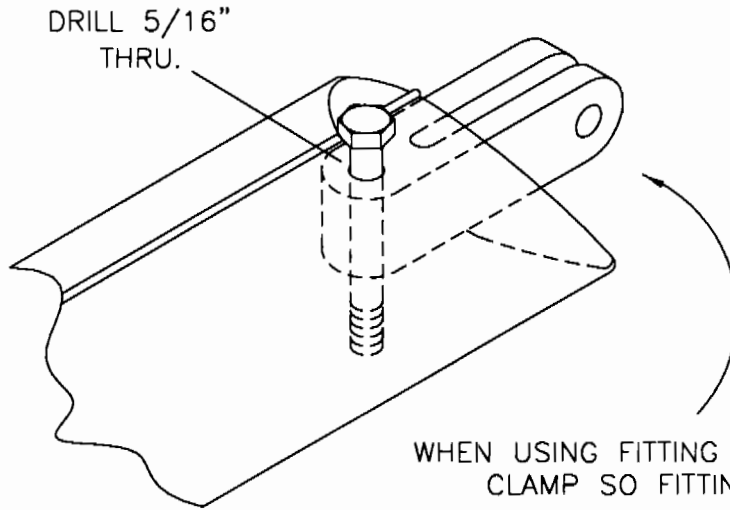


STEP 1



HINT: TEST DRILL THRU AN  
ALUM. SCRAP TO CHECK FIT OF BOLT.  
BOLT MUST FIT TIGHT.

STEP 2



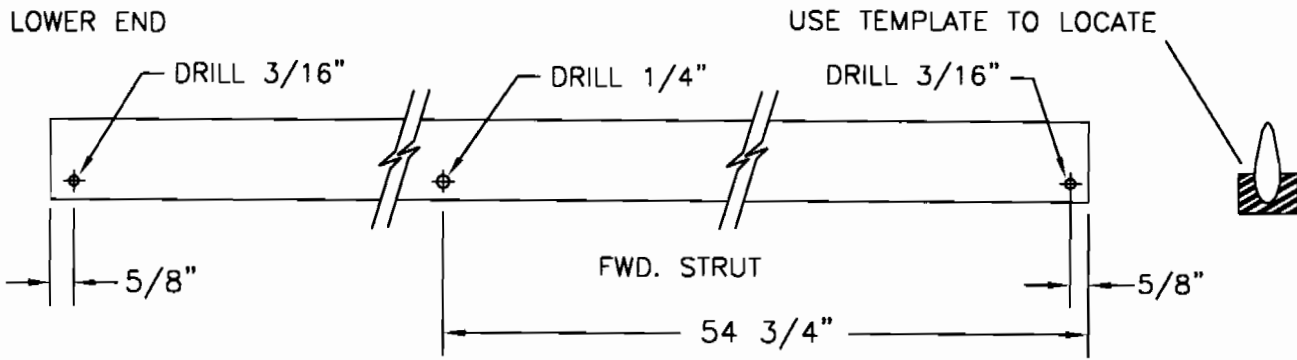
STEP 3

DRILL-OUT STRUT  
AND FITTINGS TO 5/16",  
DEBURR AND BOLT

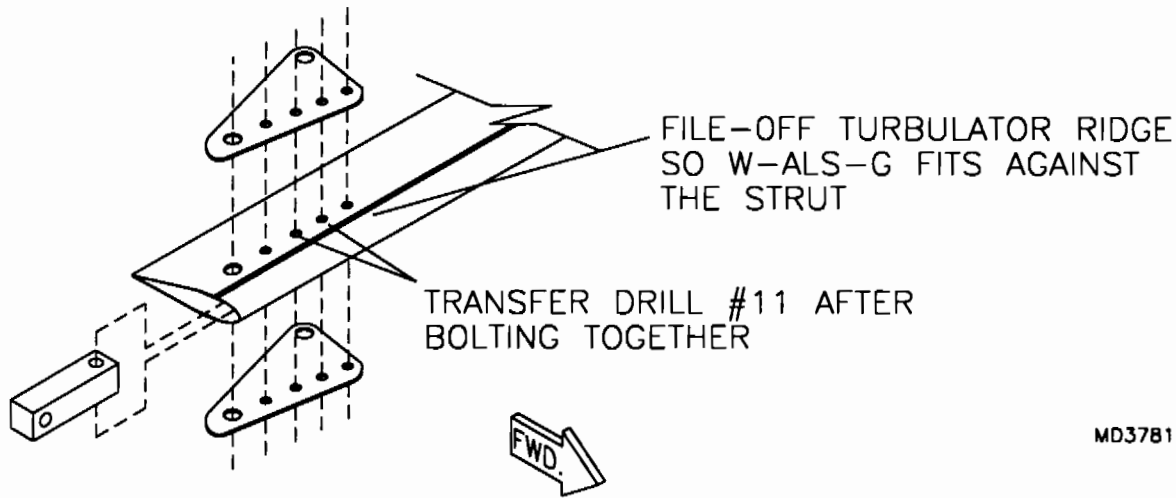
WHEN USING FITTING AS DRILL GUIDE,  
CLAMP SO FITTING IS TIGHT.

MD3819

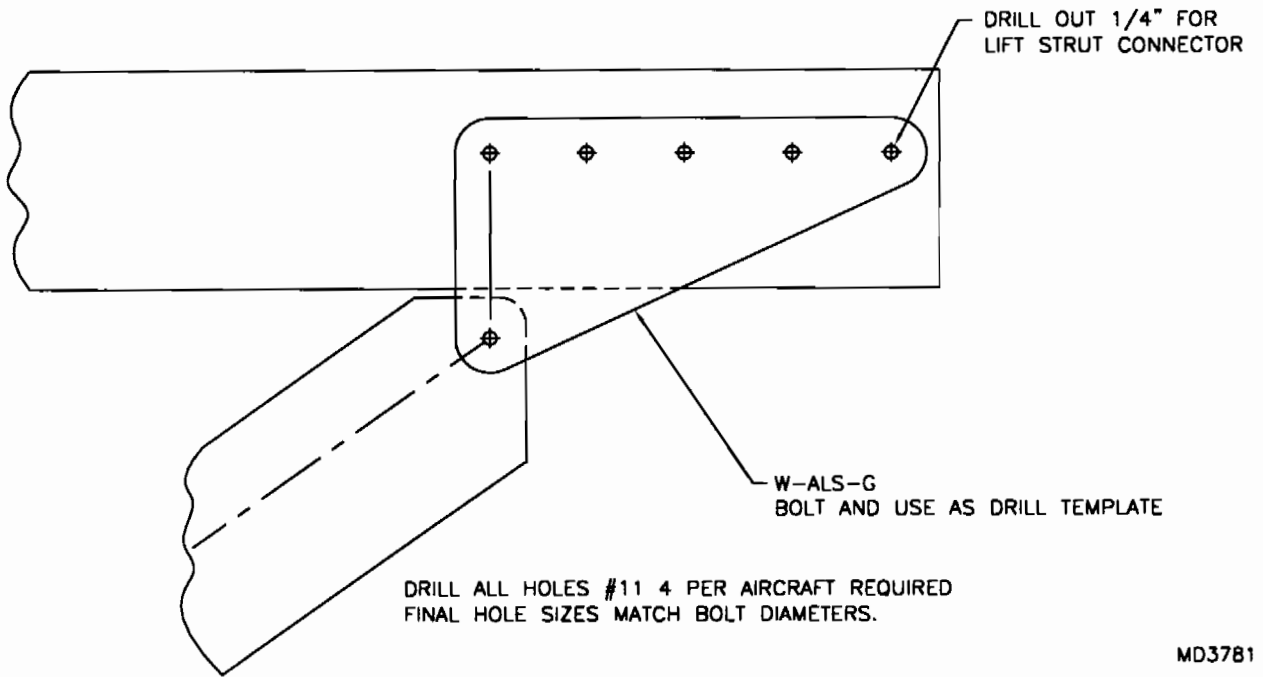
FIGURE 7-2



MD3781

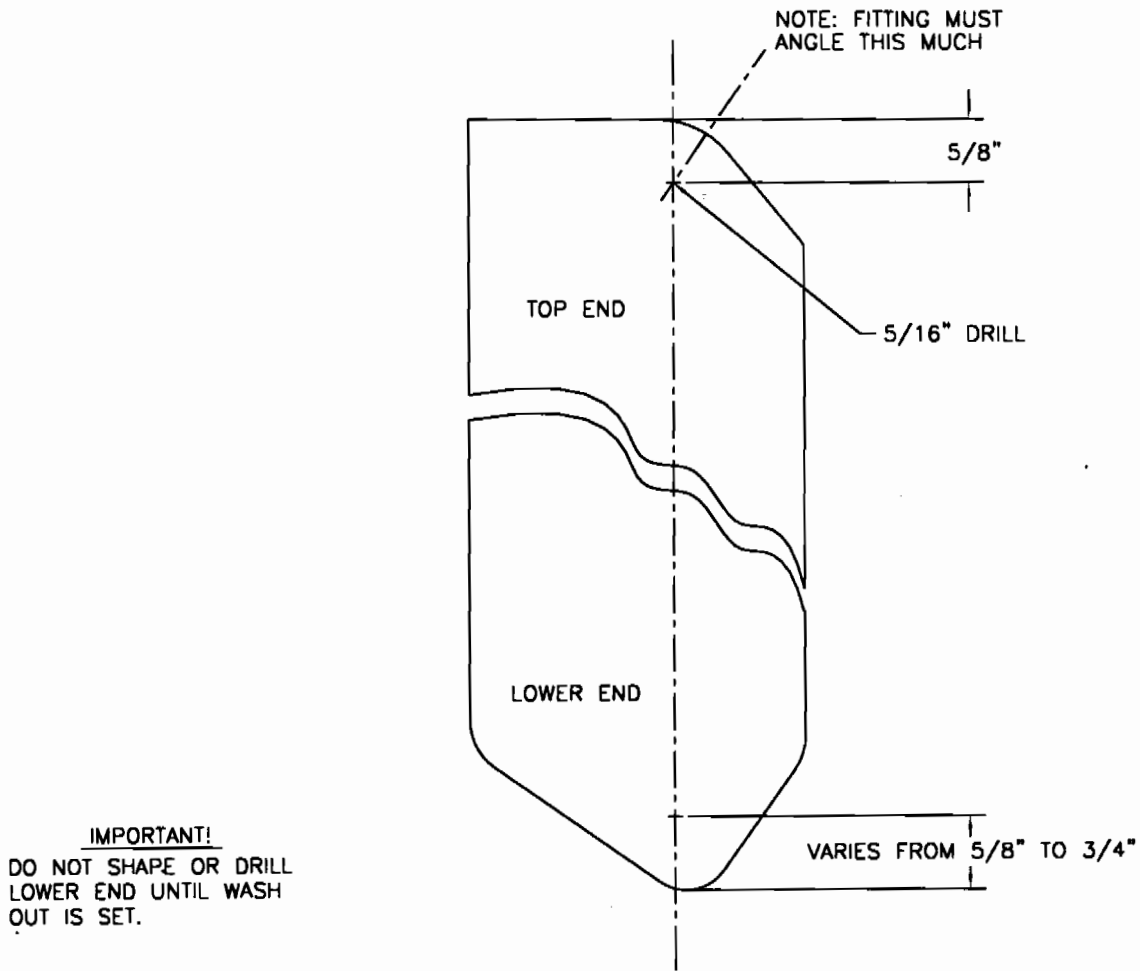


MD3781

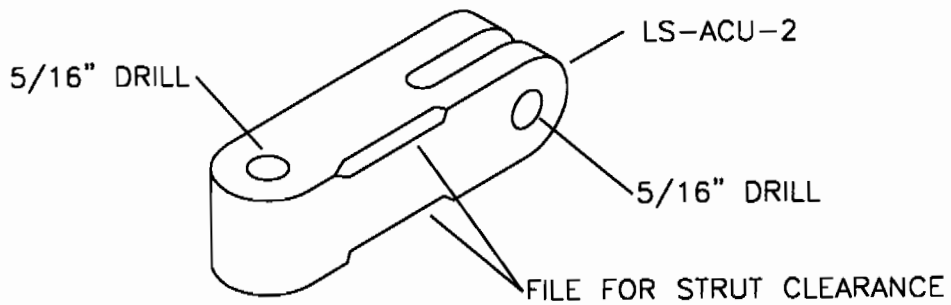


MD3781

FIGURE 7-3



MD1173

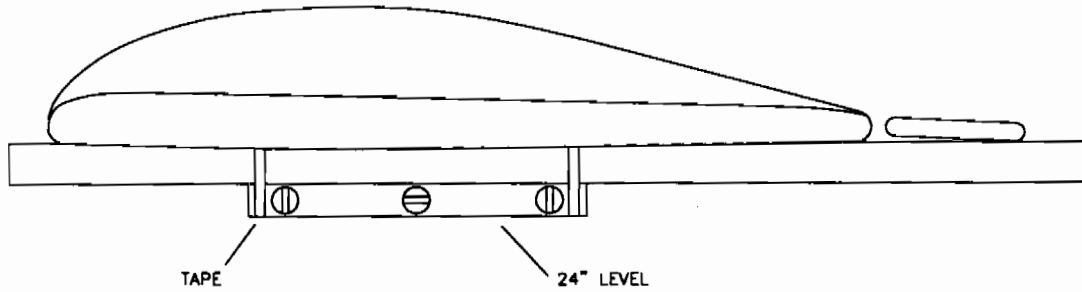


MD1173

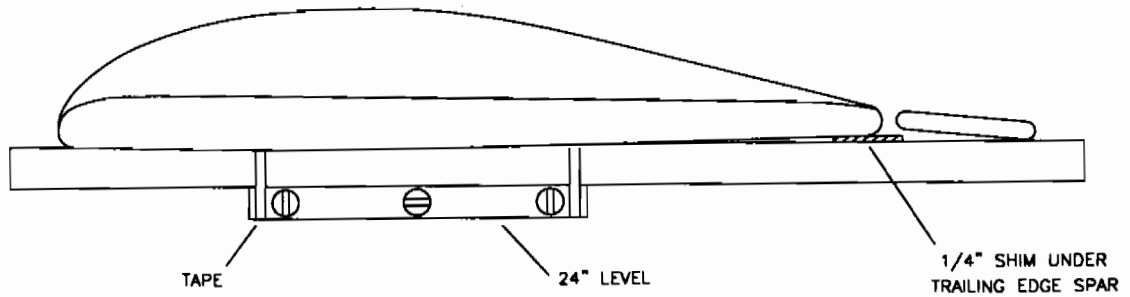
FIGURE 7-4



PLACE LEVEL AT WING ROOT.  
TRAILING EDGE OF AILERON AND FLAPS  
SHOULD BE ADJUSTED TO REST AGAINST BOARD.  
RAISE TAIL UNTIL READING  
IS LEVEL AT ROOT.

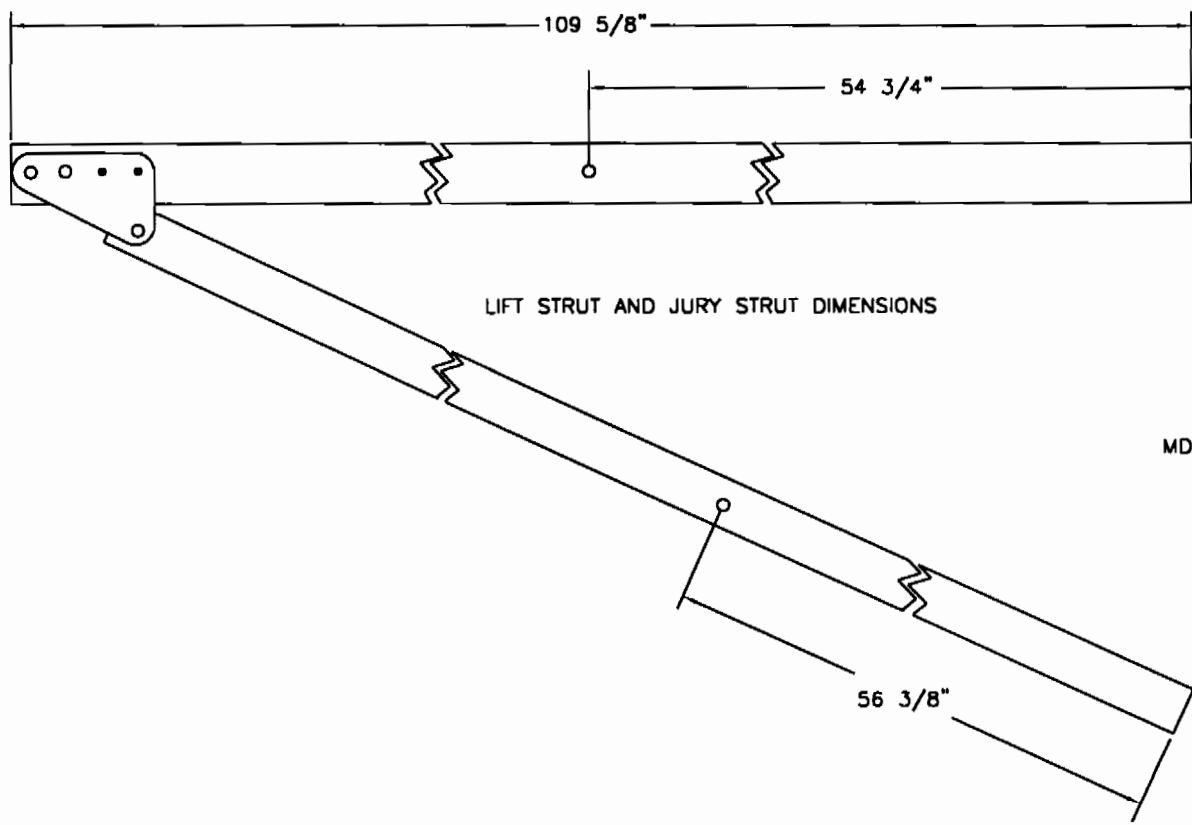


PLACE LEVEL IN FRONT OF  
LIFT STRUT ATTACH PLATES



MD3824

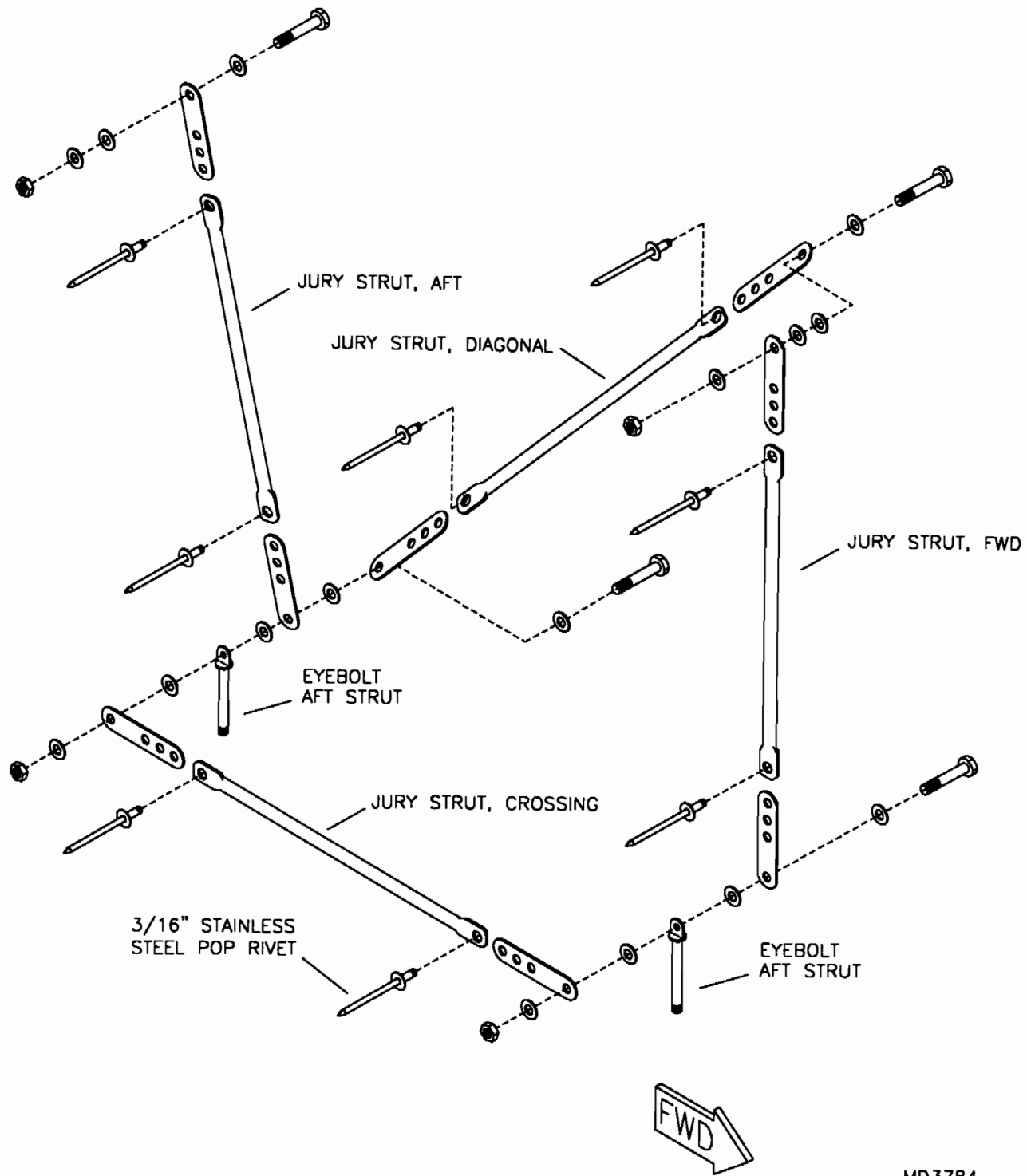
FIGURE 7-9



LIFT STRUT AND JURY STRUT DIMENSIONS

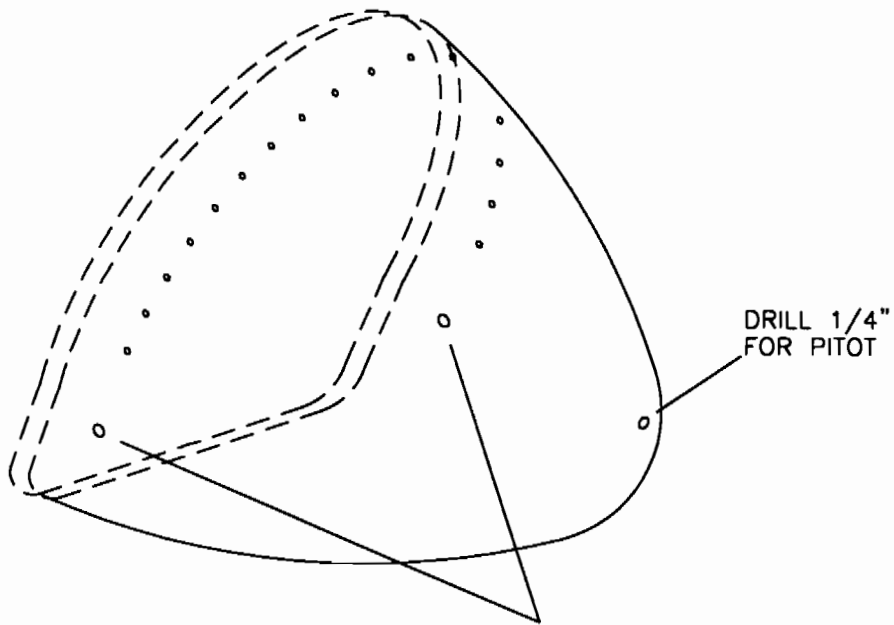
MD3782

FIGURE 7-12



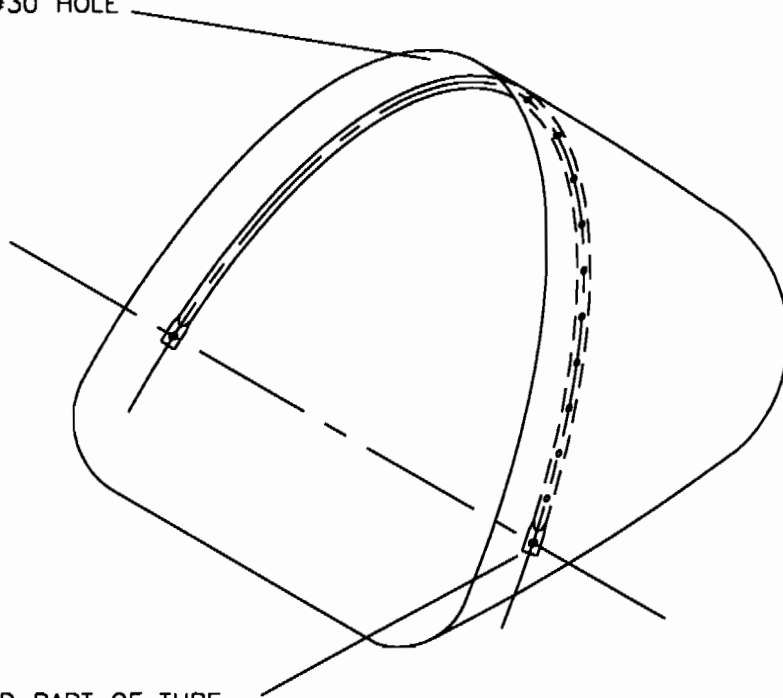
MD3784

FIGURE 7-13



DRILL FIRST HOLE  
ON EACH SIDE TO  
1/4" DIA.

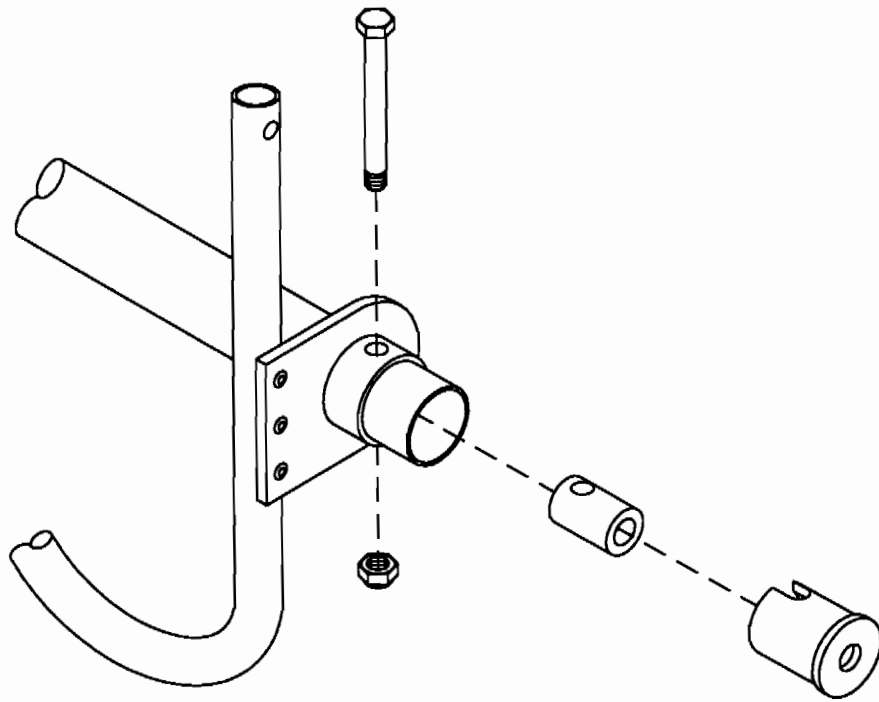
PLACE ARCH TUBE TIGHT  
AGAINST POD, CENTERED  
OVER TOP CENTER #30 HOLE



LINE-UP FLATTENED PART OF TUBE  
ON CENTER OVER 1/4" HOLE AND  
START TO DRILL 1/4". REMOVE  
AND DRILL THRU. TUBE ALL THE WAY.  
CLECO ARCH TUBE TO TOP AND  
PIN BOTTOM WITH 1/4" BOLTS.  
DRILL THE REMAINING #30 HOLES  
CENTERED ON TUBE.

MD3836

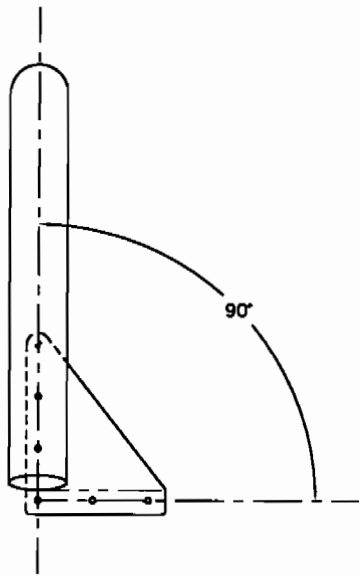
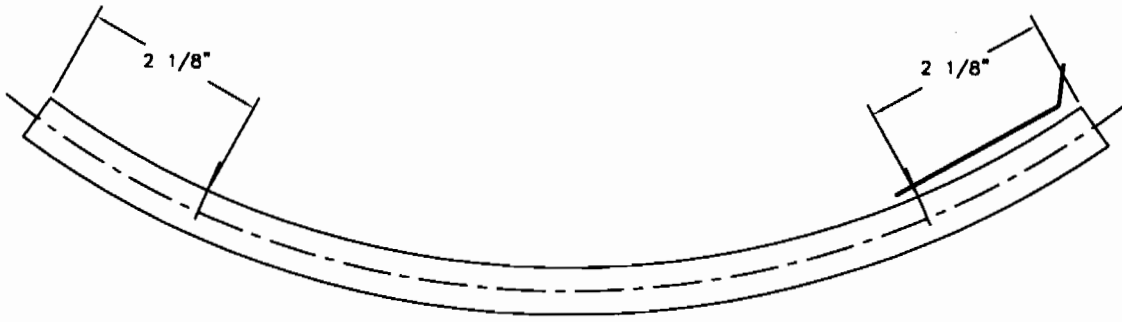
FIGURE 8-2



MD3835

FIGURE 8-3

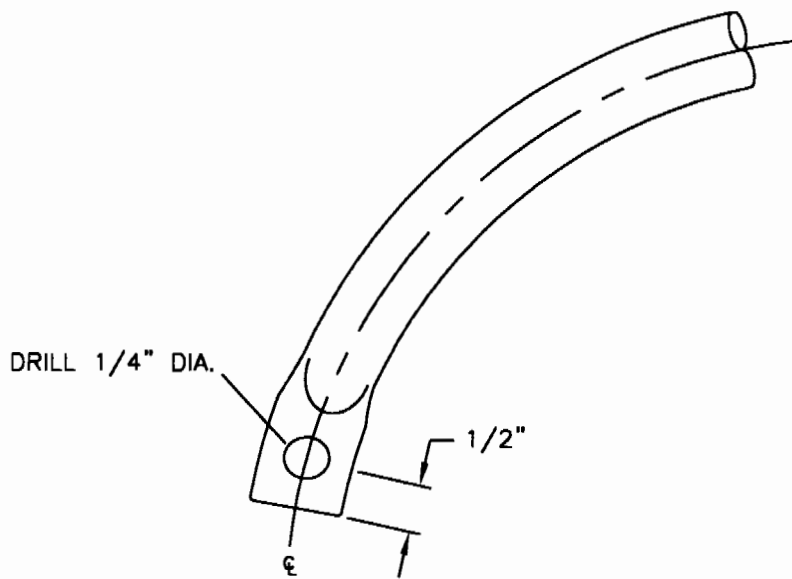




LOCATE GUSSET 90°  
TO TUBE ARCH.

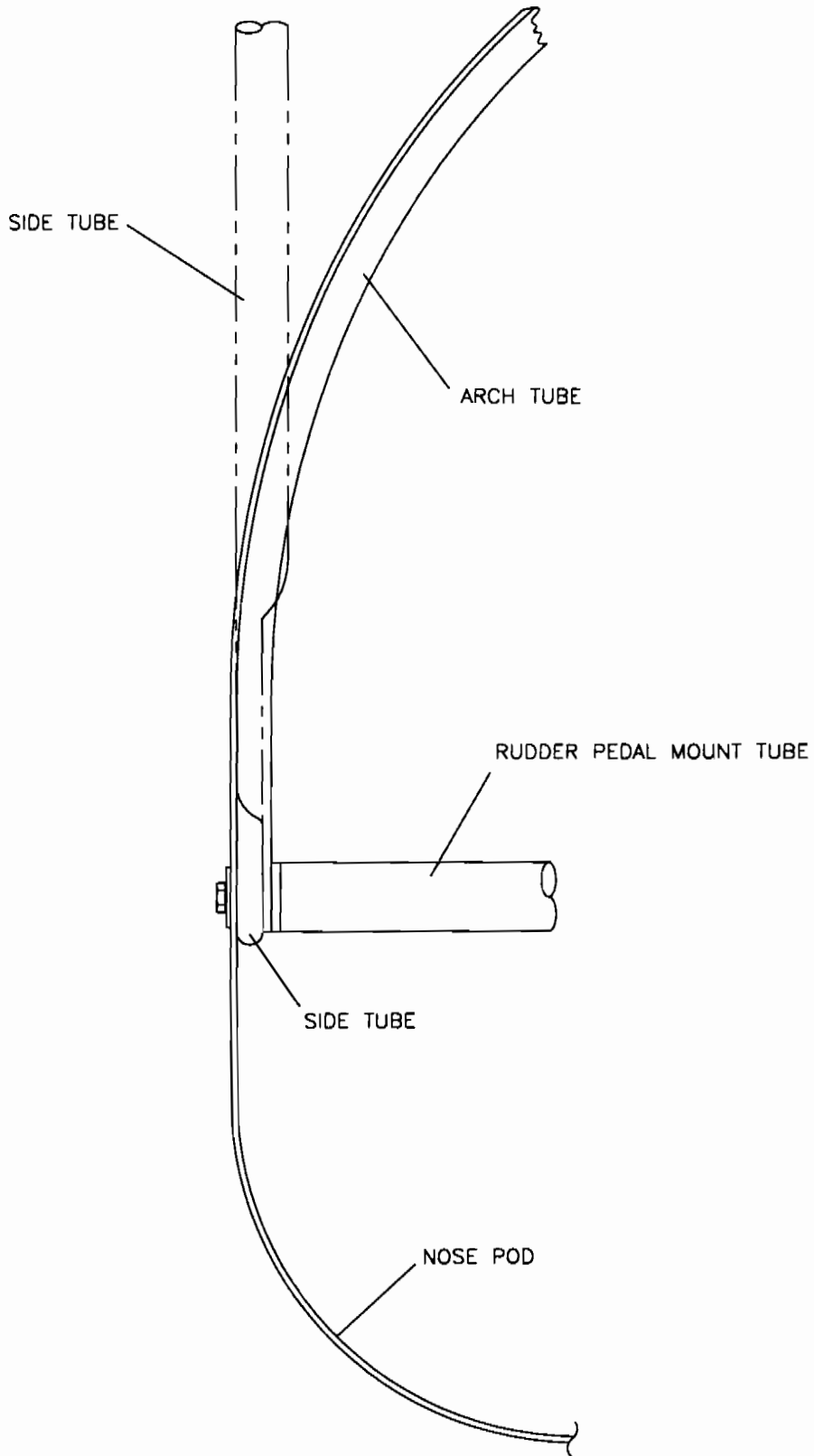
MD3837

FIGURE 8-4



MD3838

FIGURE 8-5



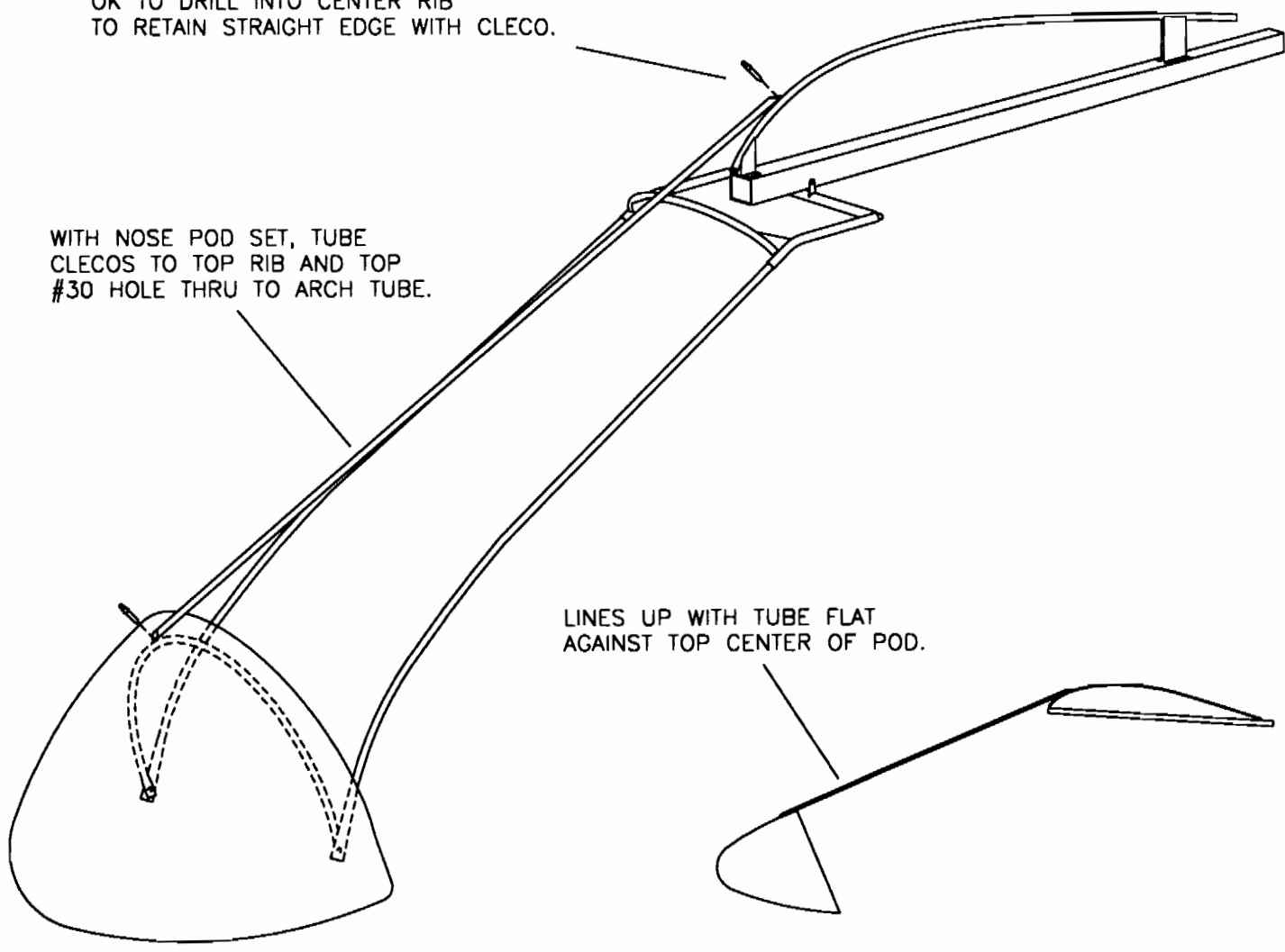
MD3965

FIGURE 8-7  
S-17 STINGER

OK TO DRILL INTO CENTER RIB  
TO RETAIN STRAIGHT EDGE WITH CLECO.

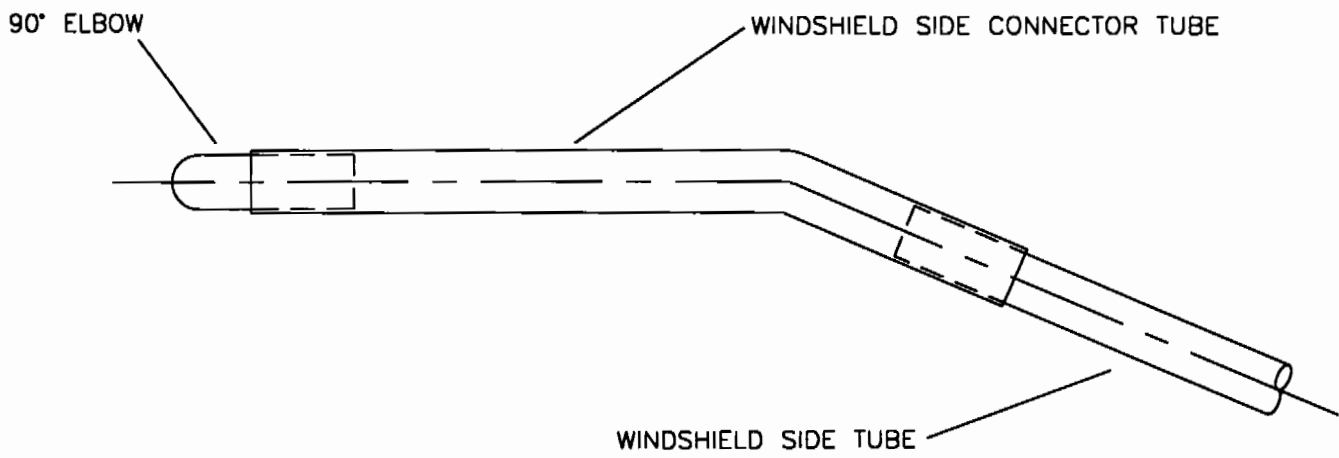
WITH NOSE POD SET, TUBE  
CLECOS TO TOP RIB AND TOP  
#30 HOLE THRU TO ARCH TUBE.

LINES UP WITH TUBE FLAT  
AGAINST TOP CENTER OF POD.



MD3839

FIGURE 8-8



MD3840

FIGURE 8-9

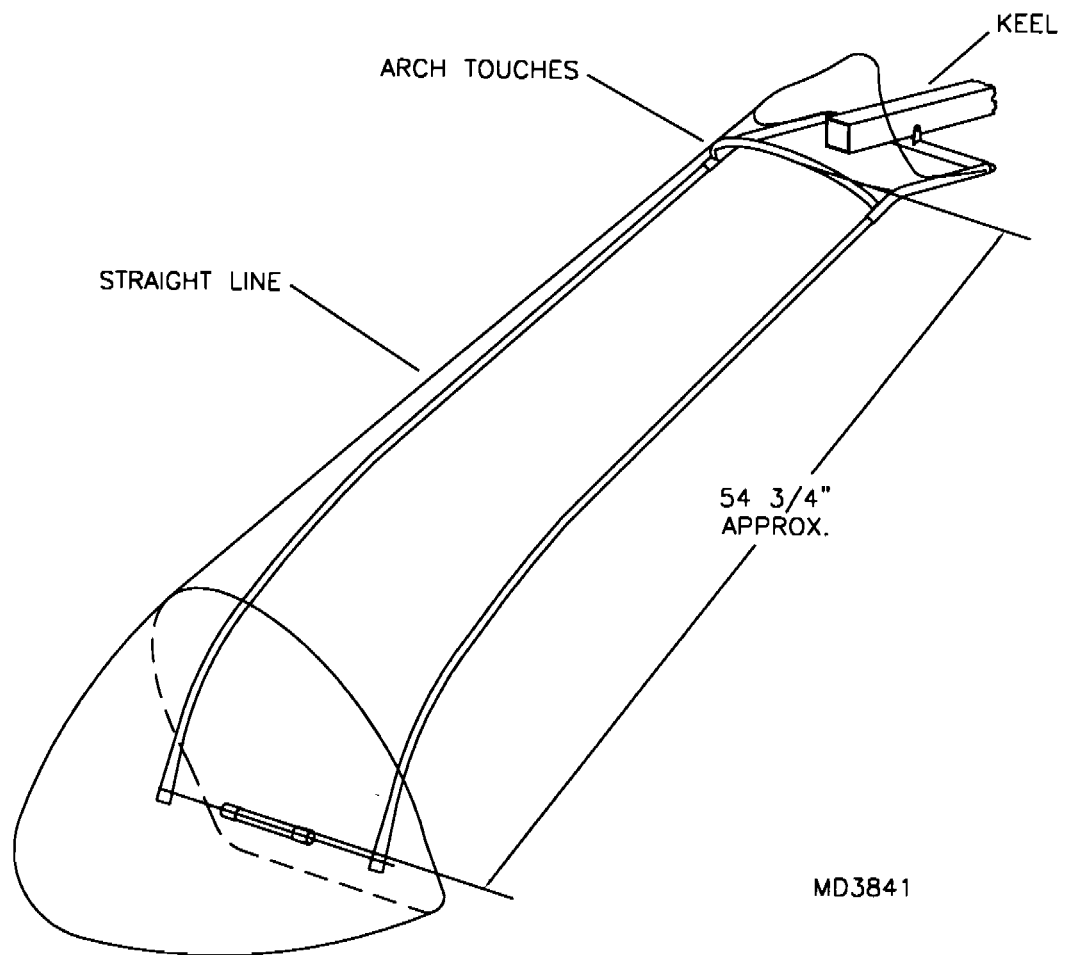
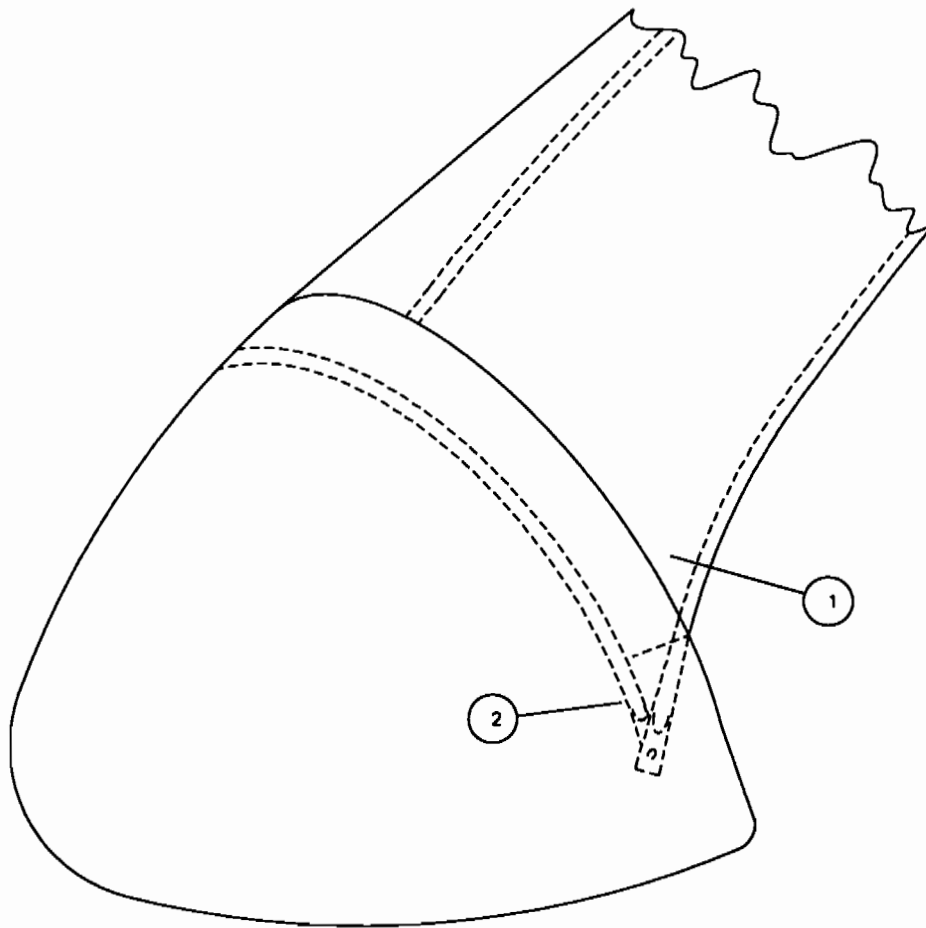


FIGURE 8-10

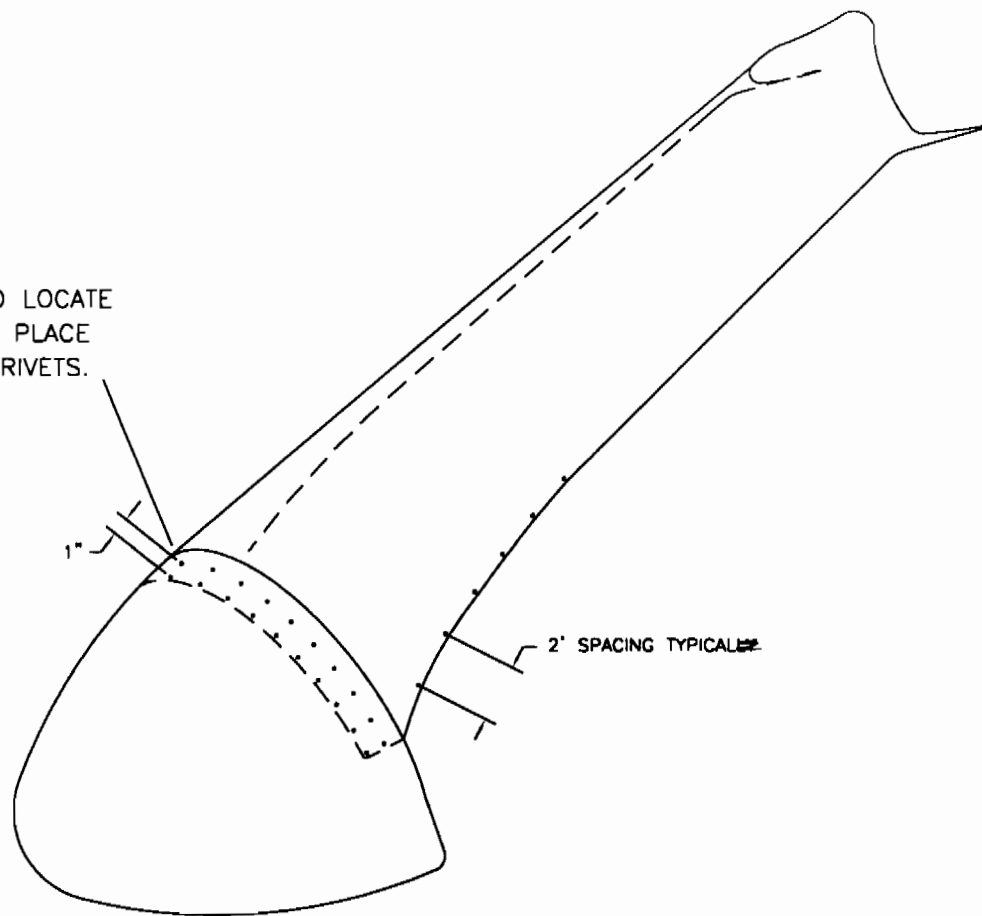


MD3842

- ① LEXAN FITS BETWEEN 3/4" SIDE TUBE AND  
POD, TOUCHING AGAINST ② 1/2" ARCH TUBE.

FIGURE 8-13

USE EXISTING RIVETS TO LOCATE  
RIVETS ON NOSE POD. PLACE  
1" AFT OF ARCH TUBE RIVETS.

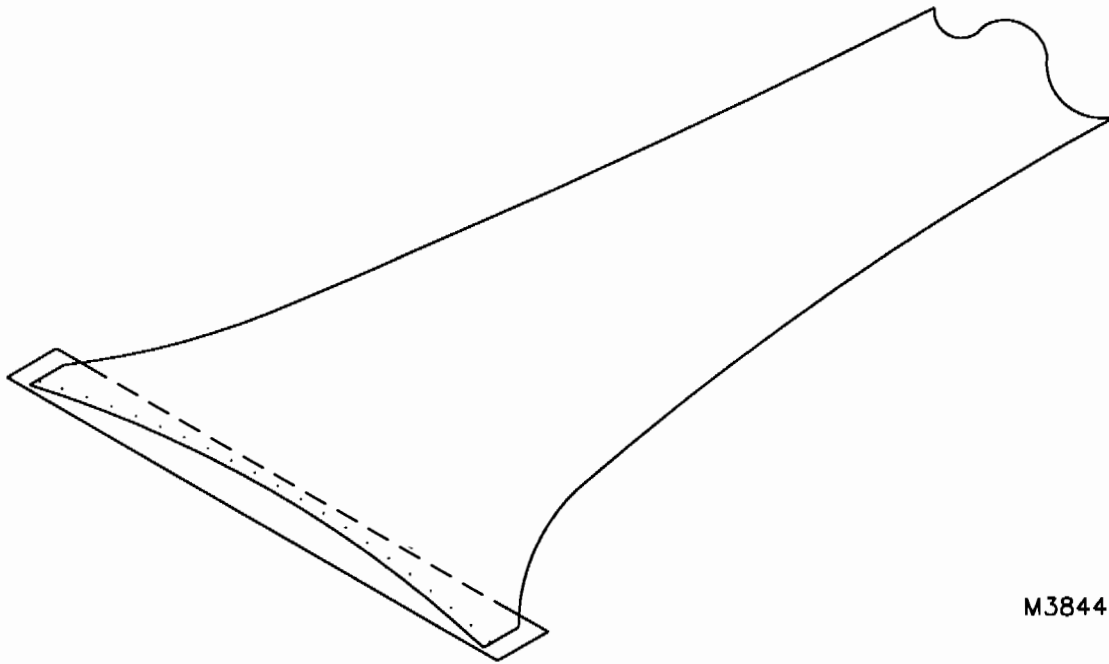


MD3843

FIGURE 8-14



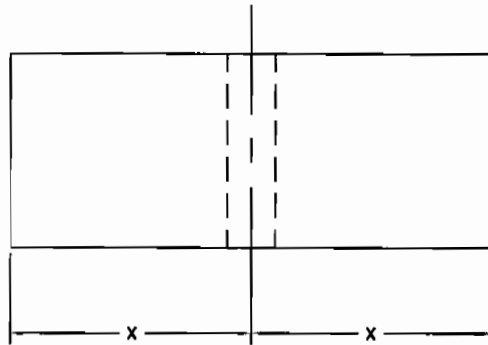
LAY FLAT TO DRILL HOLES IN BEARING STRIP  
TRIM FRONT EDGE TO SHAPE OF LEXAN.



M3844

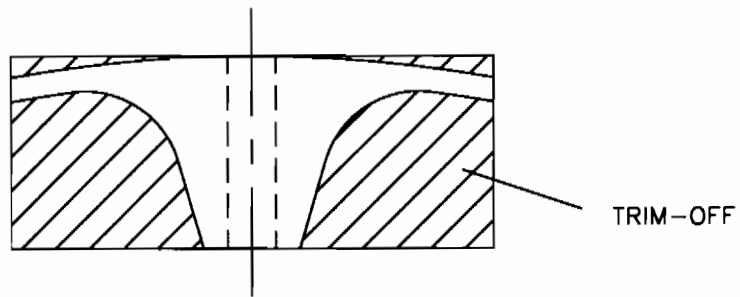
FIGURE 8-15

1



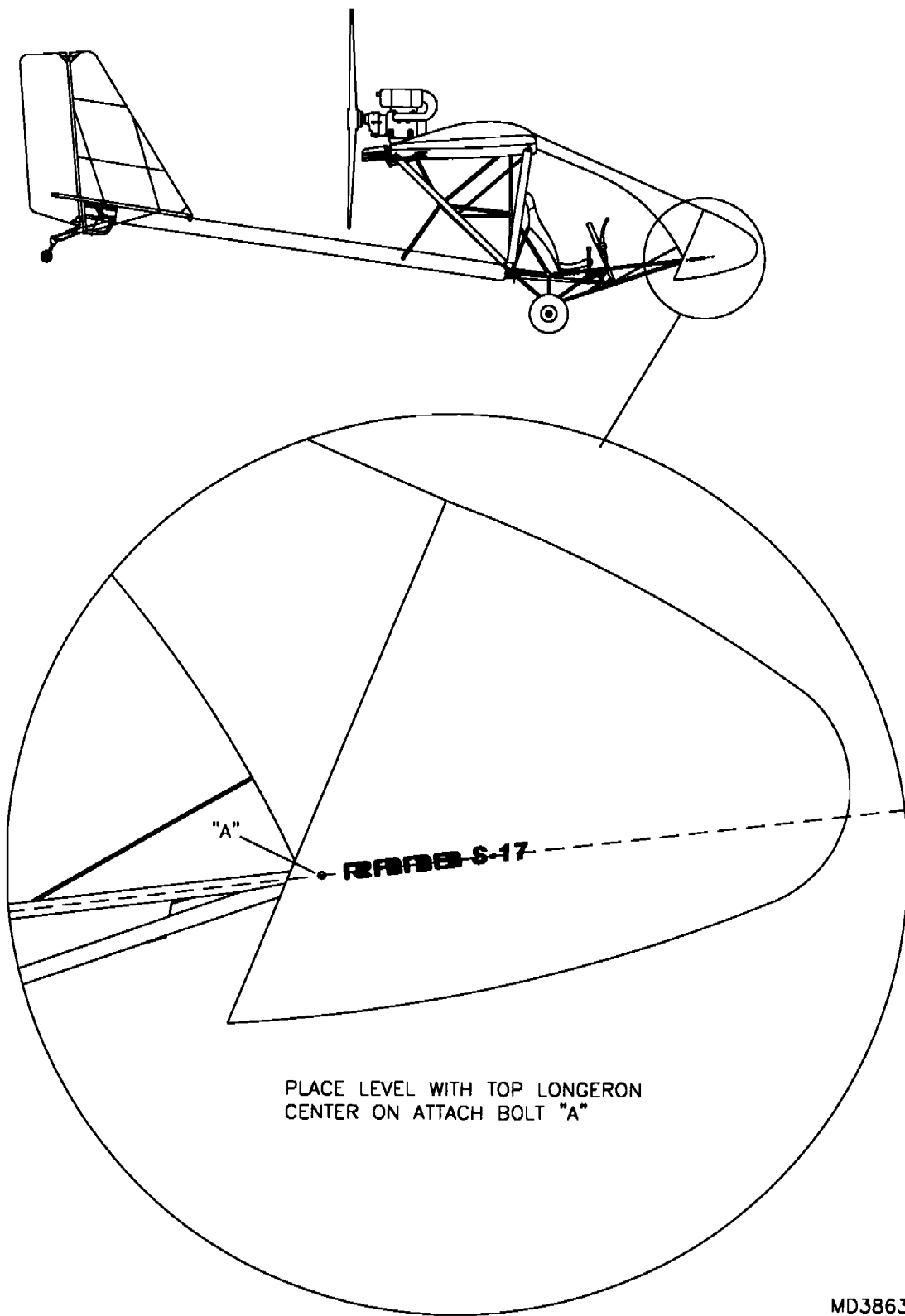
DRILL 1/4" HOLE THRU CENTER OF BLOCK

2



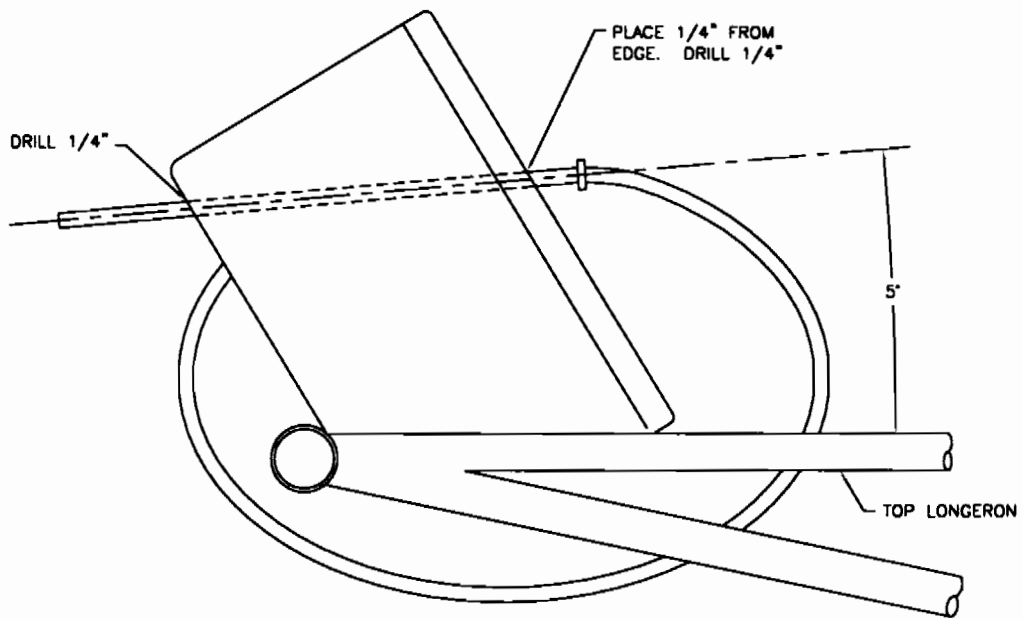
MD3854

FIGURE 8-21



MD3863

FIGURE 8-23



ORIENTATE PITOT TUBE 5" NOSE  
DOWN TO CAGE TOP LONGERON

MD3869

FIGURE 8-24

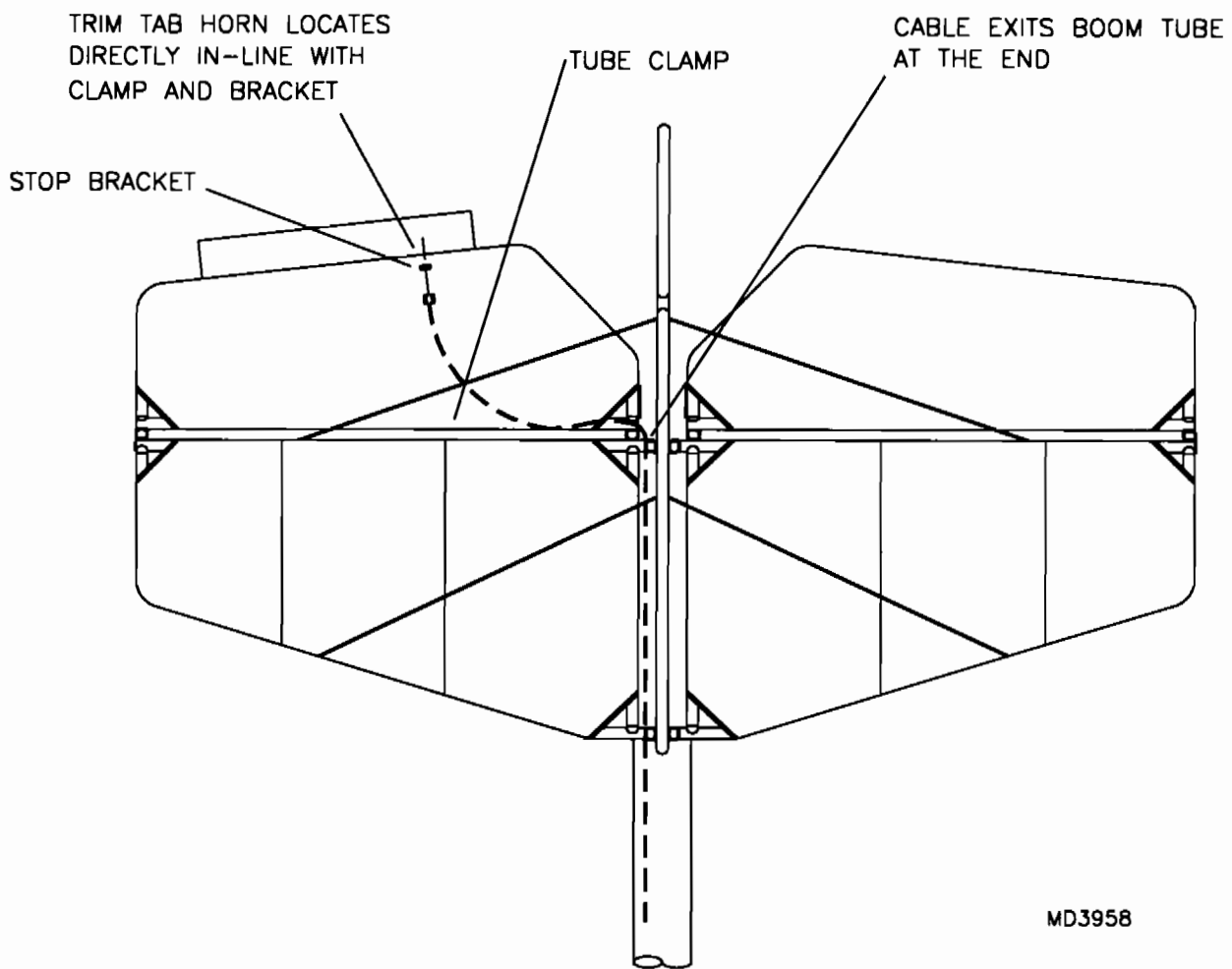
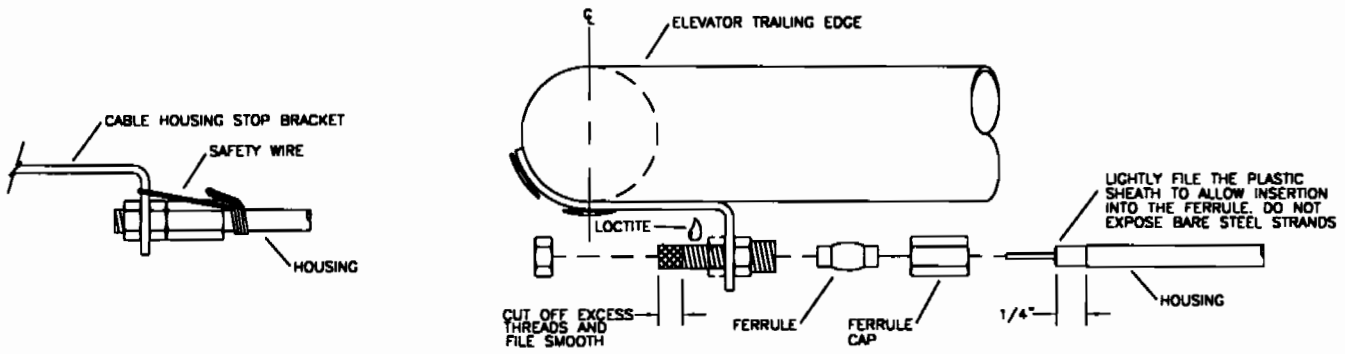
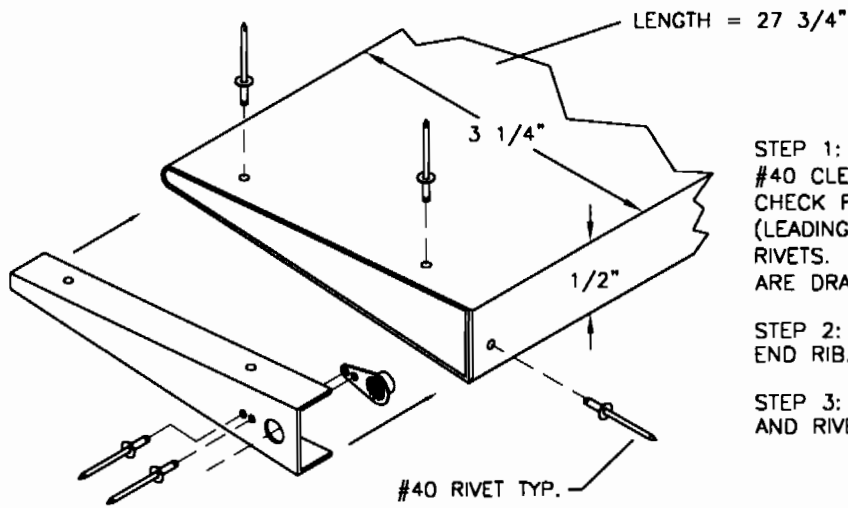


FIGURE 8-25  
S-17 STINGER



MD3959

FIGURE 8-26



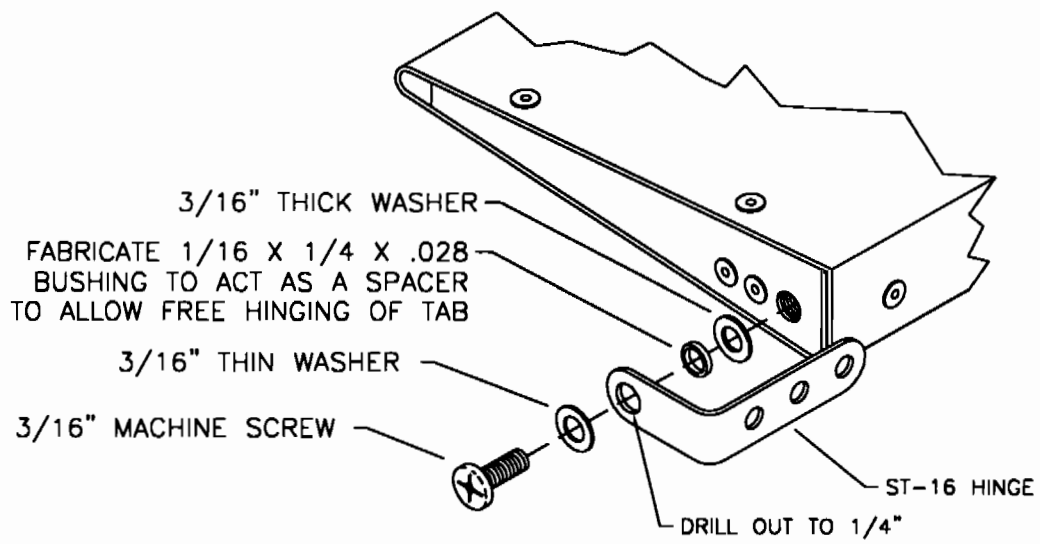
STEP 1: CLECO LEADING EDGE OF TAB WITH #40 CLECOS. PLACE ON FLAT SURFACE AND CHECK FOR STRAIGHTNESS, DRILL TO #30 (LEADING EDGE ONLY). RIVET WITH AAPQ-41 RIVETS. (BE SURE BOTH LAYERS OF METAL ARE DRAWN TOGETHER PRIOR TO RIVETING).

STEP 2: DRILL AND RIVET NUT PLATE TO EACH END RIB.

STEP 3: INSERT NUT PLATED END INTO TAB AND RIVET.

MD3957

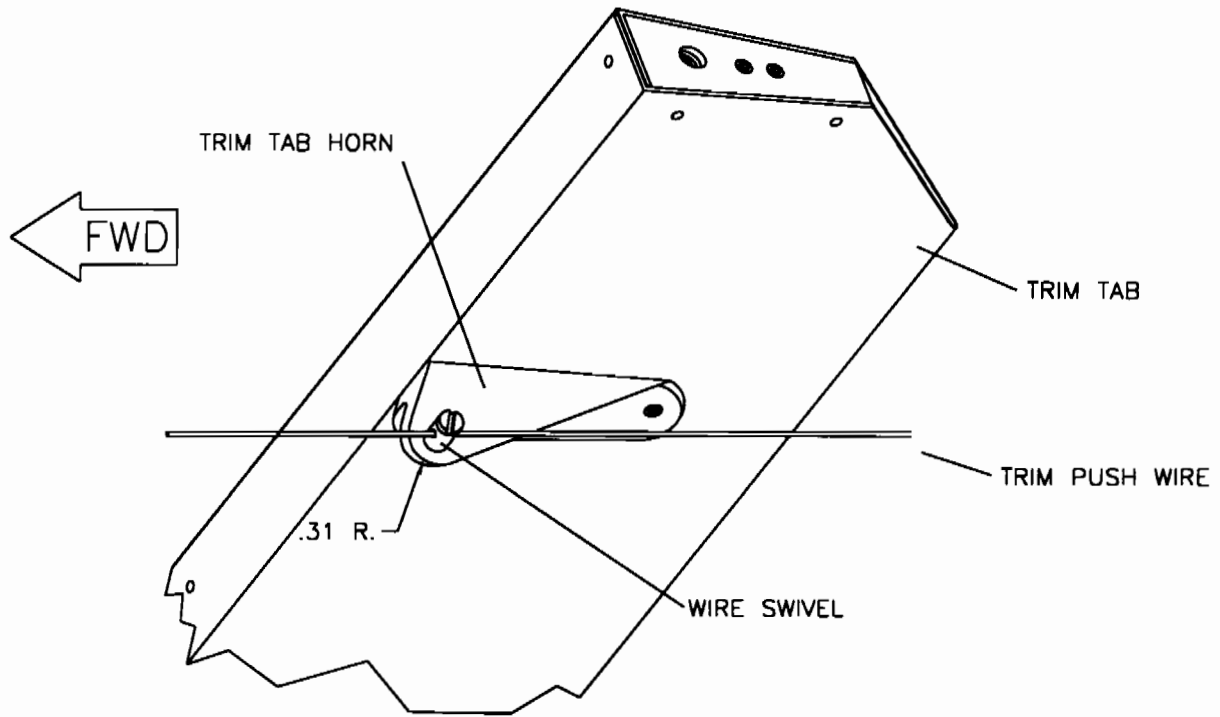
FIGURE 8-27  
S-17 STINGER



MD3960

FIGURE 8-28

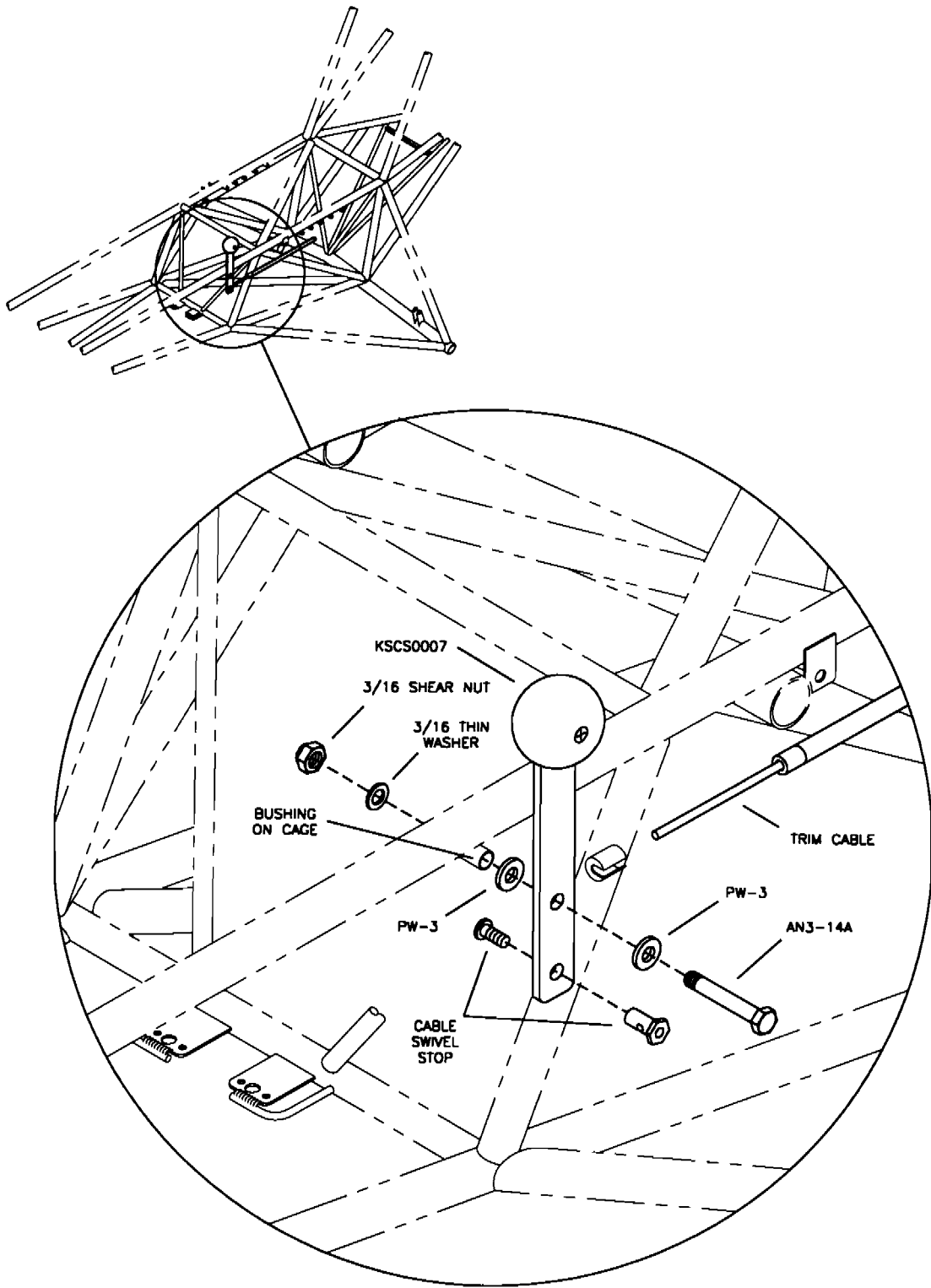




TRIM TAB SHOWN  
 REMOVED FROM HINGES  
 FOR CLARITY

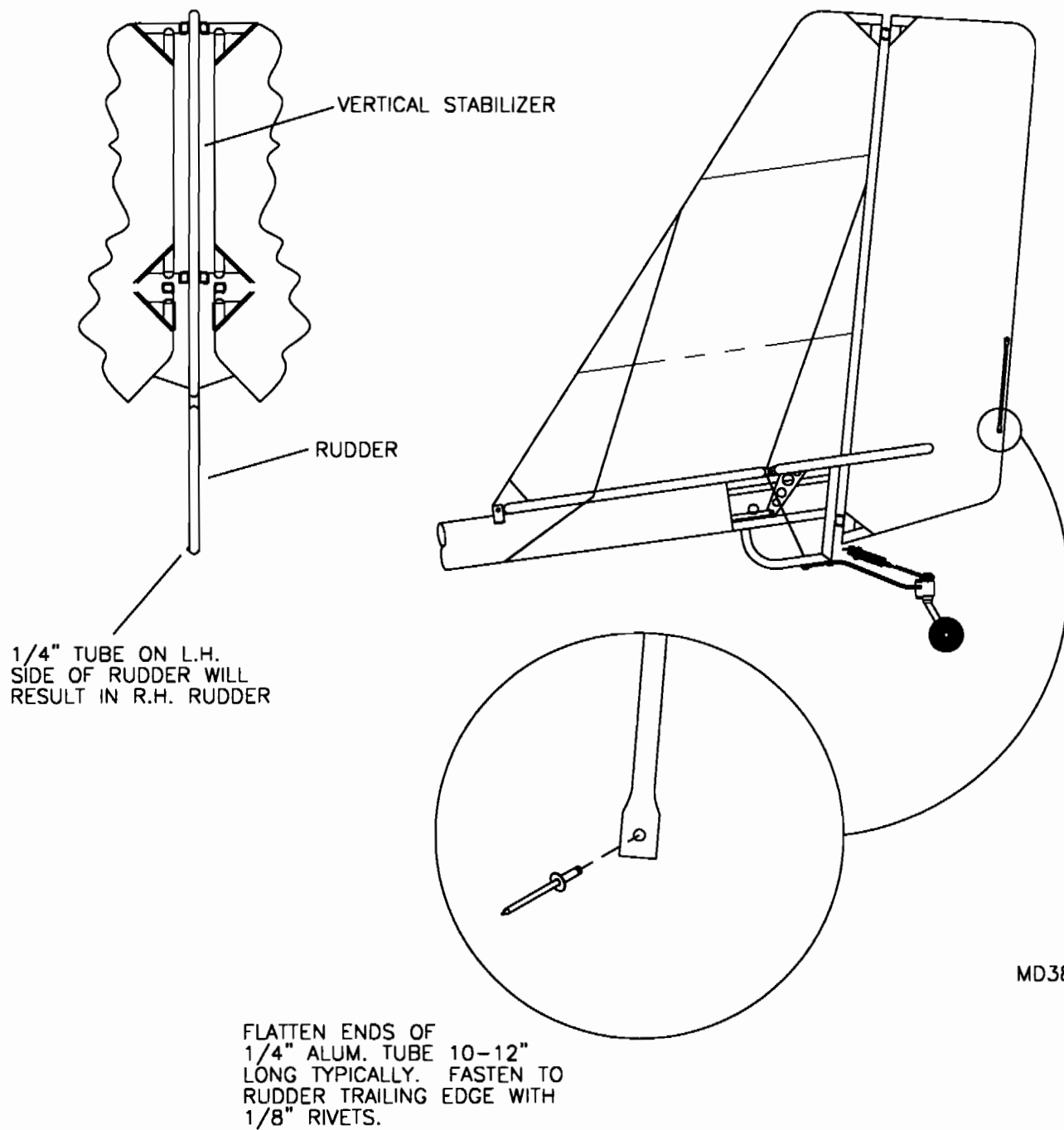
MD3961

FIGURE 8-29



MD3962

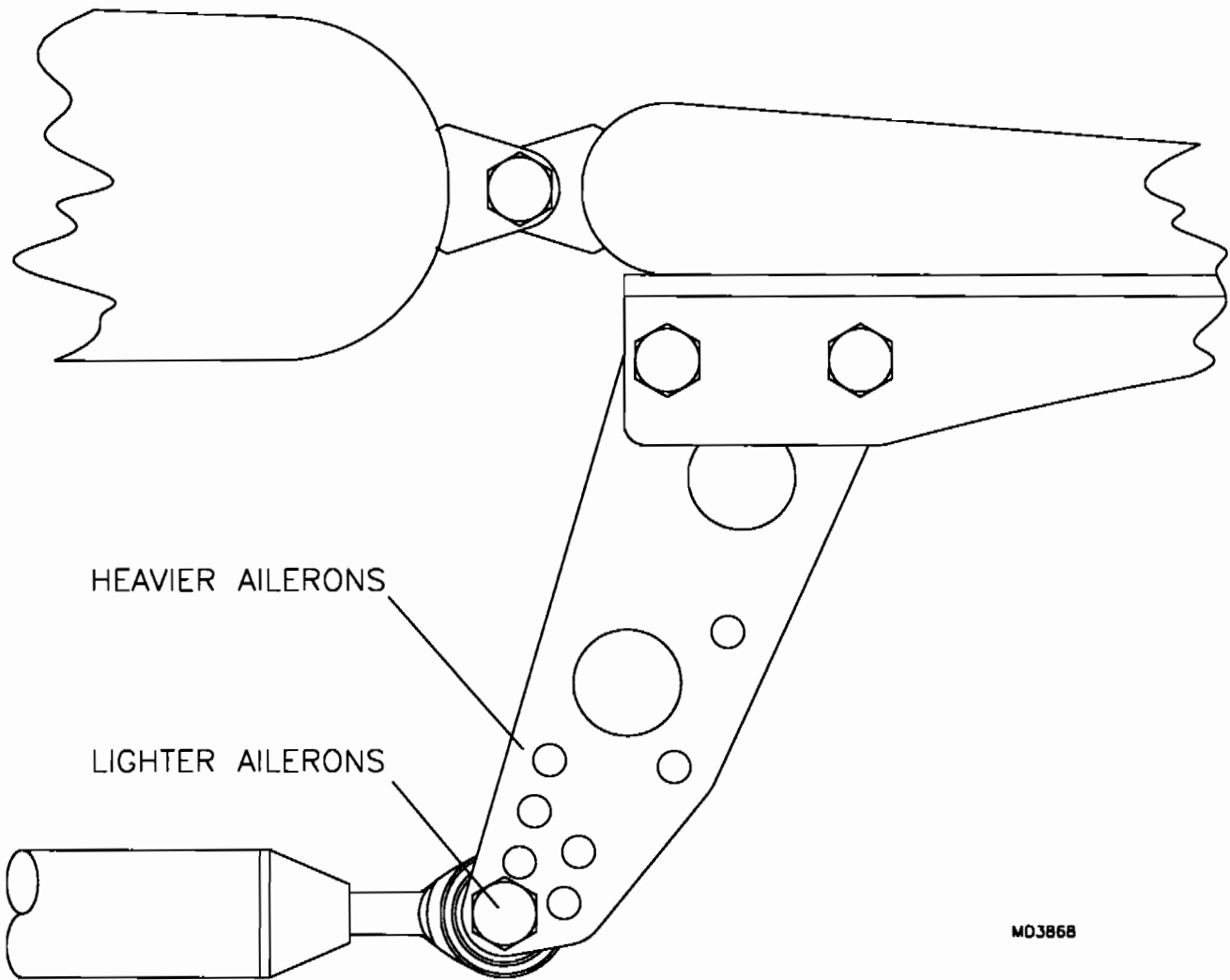
FIGURE 8-30



MD3831

FIGURE 9-1

9/13/00



M03868

FIGURE 9-2