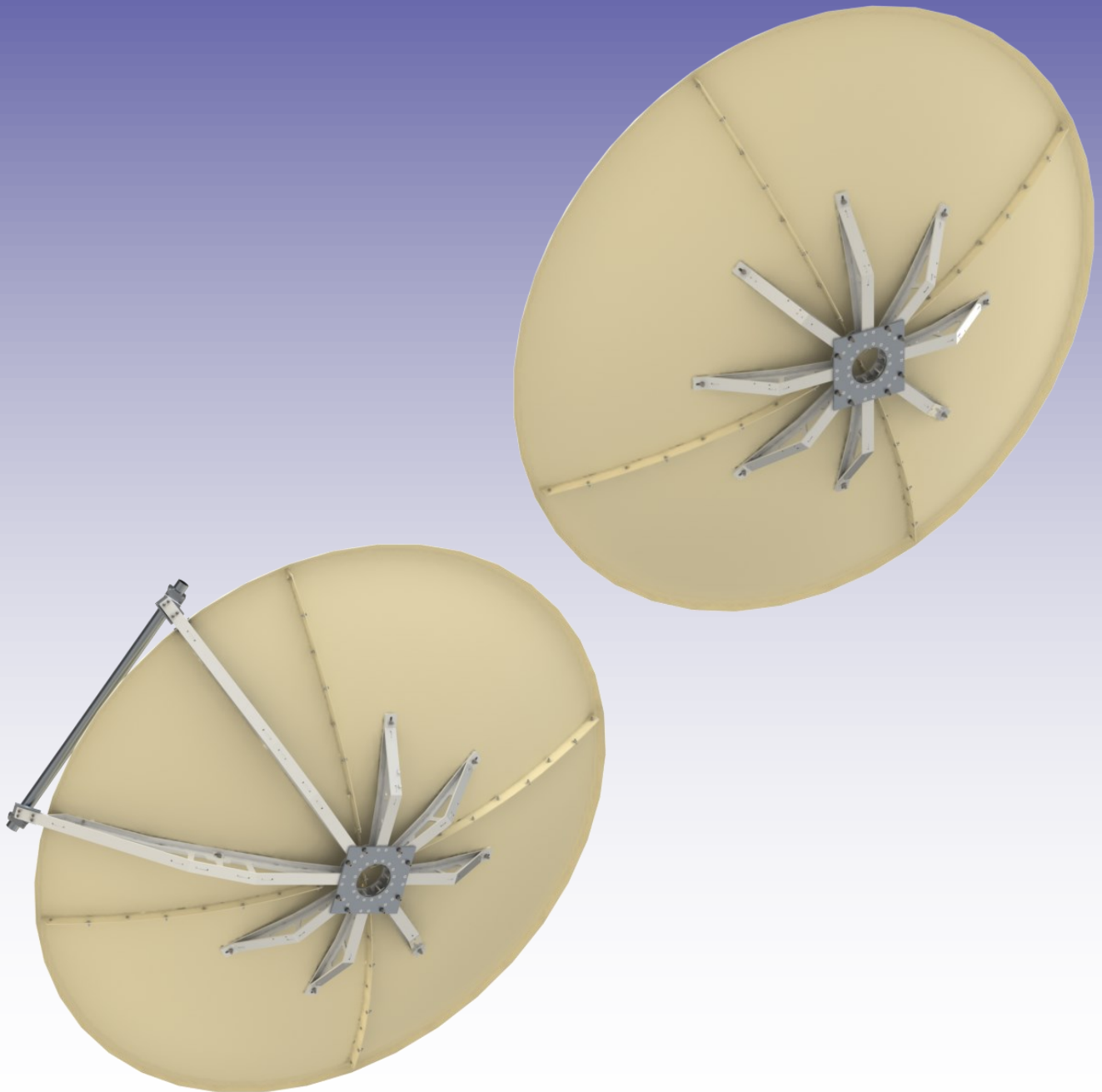




M2 ANTENNA SYSTEMS, INC.
MODEL NO: FGSD-2.4DH AND
FGSD-2.4DH-YS
SATELLITE DISH, M2 BACK STRUCTURE
DH, 2.4 /8 FT 4 PIECES, W/ YAGI SUPPORT



M2 ANTENNA SYSTEMS, INC. 4402 N. SELLAND AVE. FRESNO, CA 93722
TEL: (559) 432-8873 FAX: (559) 432-3059 WEB: WWW.M2INC.COM

©2020 M2 ANTENNA SYSTEMS INCORPORATED

6/24/2020
REV A

SATELLITE DISH MOUNT ASSEMBLY

BEFORE YOU BEGIN: Look over all the **DRAWINGS** to get familiar with the various parts and assemblies in the system. Tools handy for assembly process: 11/32", 7/16", 1/2", 9/16" and 5/8" spin-tites, end wrenches and/or sockets.

NOTE:

*All installations are unique in some way, which means it's OK to preassemble certain hardware, or rearrange the assembly process to meet specific site requirements. A quick review of the assembly notes and drawings should help firm up the appropriate strategy. Please remember to double-check all hardware for tightness **BEFORE** it becomes inaccessible.*

STEP 1:

Mount one **SATELLITE DISH SUPPORT** to **DISH MOUNT BASE PLATE** (See **FIG. 1**). This support will need to align with the holes in the **SATELLITE DISH**, therefore leave the hardware loose to allow for some adjustment during assembly.

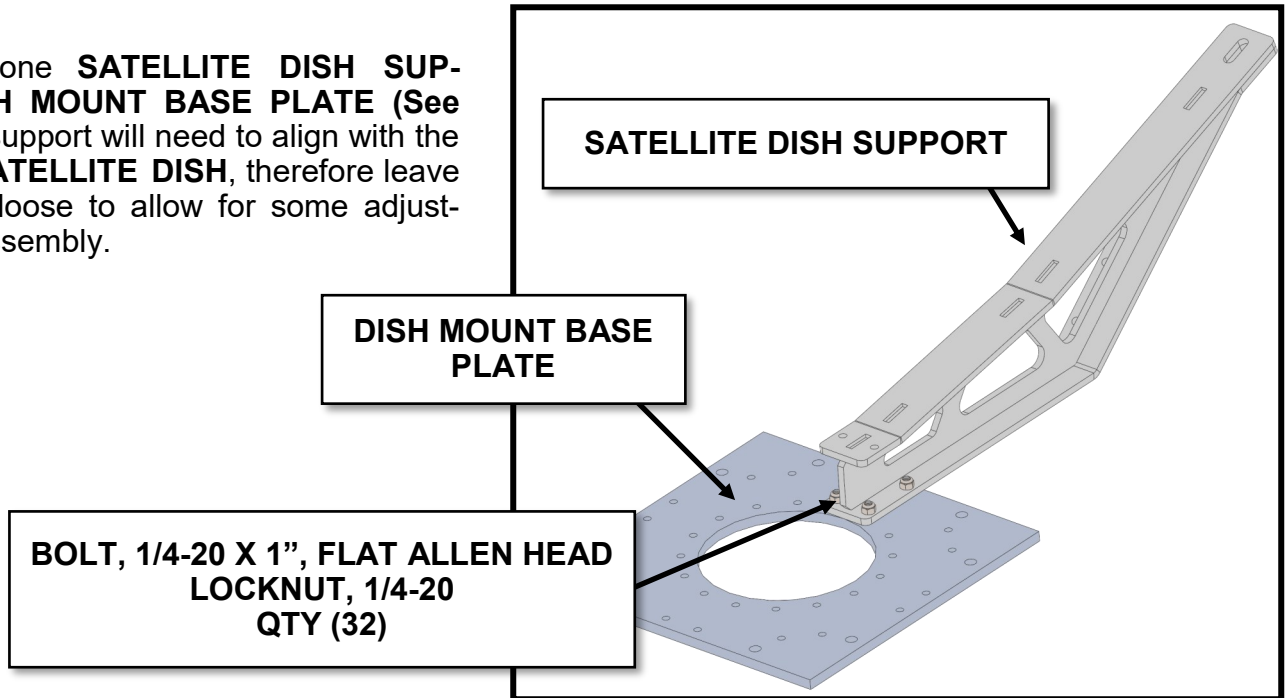


FIG. 1

STEP 2A:

Install the **DISH SUPPORTS** for the **FGSD-2.4DH**. Leave all the hardware finger tight (See **FIG. 2**).

See **STEP 2B** for assembly **FGSD-2.4DH-YS**

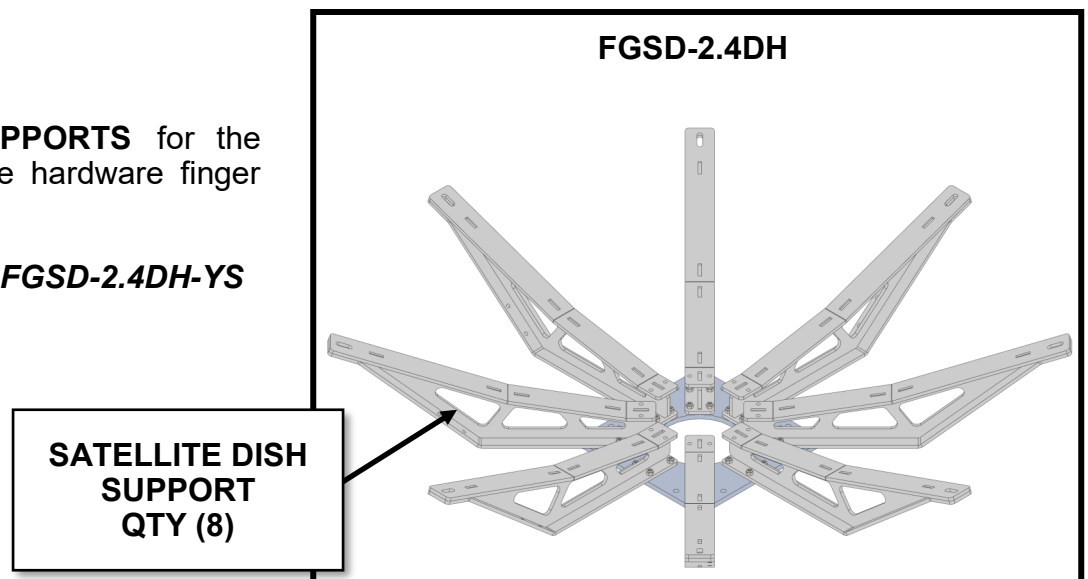


FIG. 2

SATELLITE DISH MOUNT ASSEMBLY

STEP 2B:

Install the **DISH SUPPORTS** for the **FGSD-2.4DH-YS**. Make sure the two **YAGI SUPPORTS** are adjacent to each other. Leave all the hardware finger tight (**See FIG. 3**).

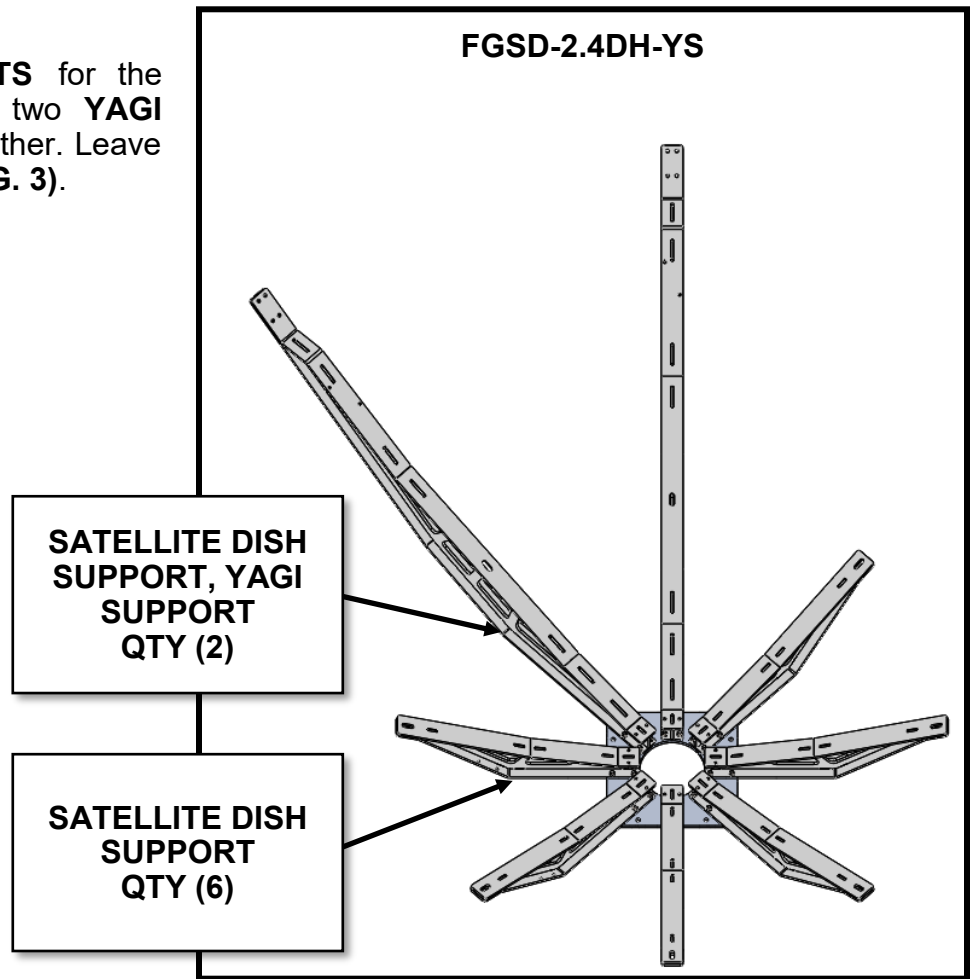


FIG. 3

STEP 3:

Mount the **SATELLITE DISH MOUNTING RING** to the top of the **SATELLITE DISH SUPPORTS** (**See FIG. 4**).

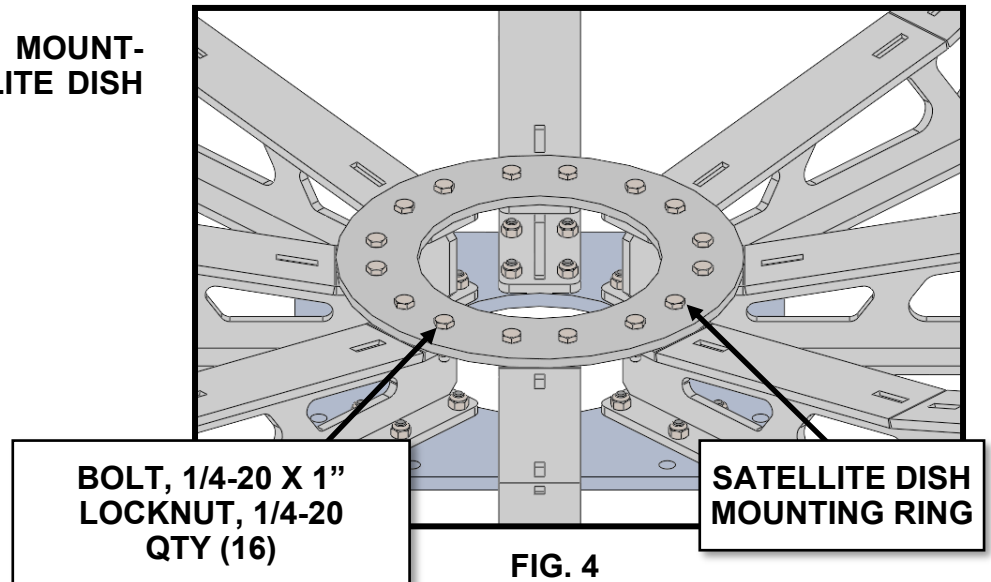


FIG. 4

SATELLITE DISH ASSEMBLY

STEP 4:

The **SATELLITE DISH PANELS** come with color coded dots on the **RIB** to indicate which **PANELS** need to be mated together for proper alignment. Each dot is labeled with **SERIAL NUMBERS** and matching **RIB NUMBERS** (See FIG. 5).

SATELLITE DISH SERIAL NUMBER
(WILL BE DIFFERENT FOR YOUR DISH)

RIB IDENTIFICATION
(MATE WITH PANEL WITH SAME NUMBER)

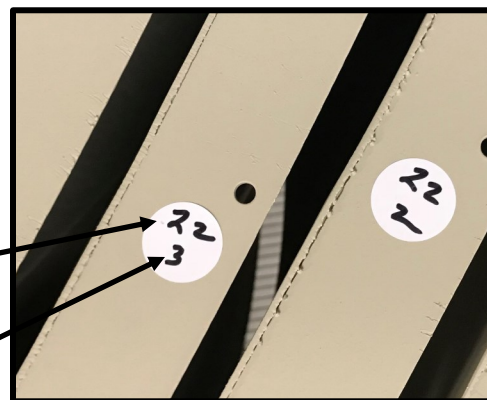


FIG. 5

STEP 5:

The method recommended for assembling the **SATELLITE DISH** requires placing a stand, which is provided, at the center of **PANELS**. It does not matter which **PANELS** you start with as long as they both have the same numbers labeled on the adjacent **RIBS**. Carefully place two **PANELS** with mating numbers touching onto the **STAND** (See FIG. 6).

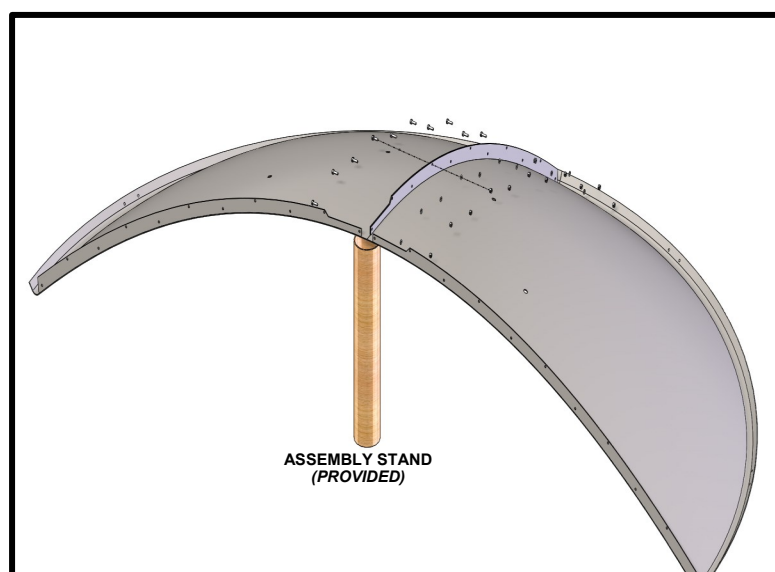
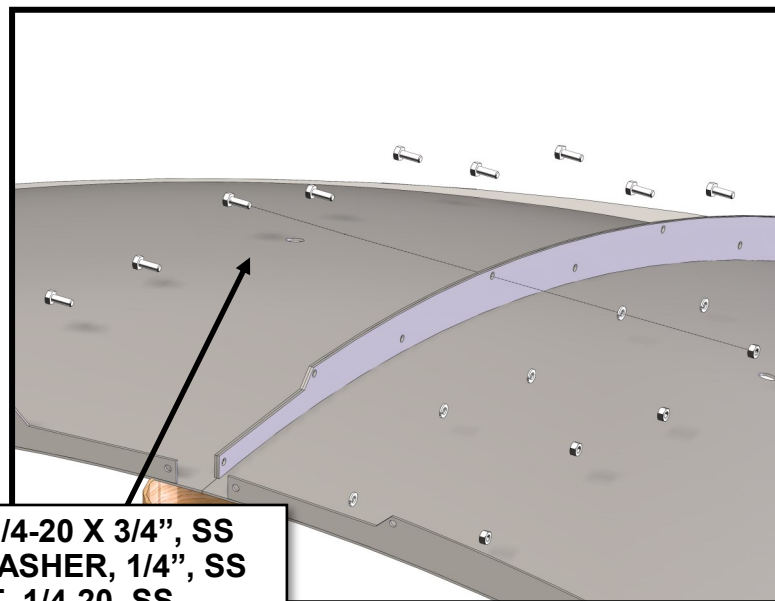


FIG. 6

STEP 6:

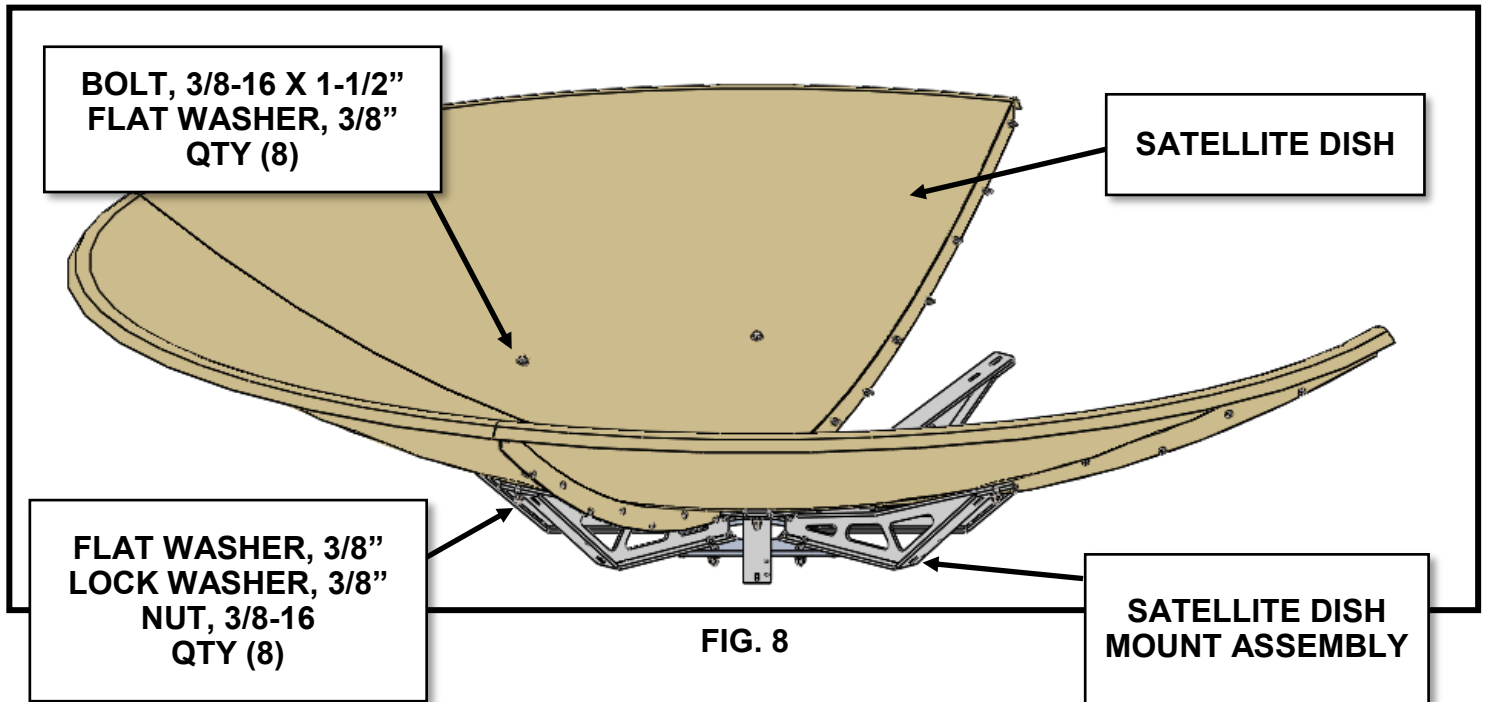
Insert the **FASTENERS** provided into the holes connecting the two **PANELS** together (See FIG. 7). Leave the fasteners finger tight until all **PANELS** are assembled. Continue adding another **PANEL** with a corresponding **RIB NUMBER** that matches one of the already assembled **PANELS**. Insert the fasteners into the third **PANEL**. Leave fasteners finger tight. Do not add the **FOURTH PANEL** yet. You will need to add the **HUB ASSEMBLY** and need to access the center of the **DISH** for ease of assembly.



BOLT, 1/4-20 X 3/4", SS
LOCK WASHER, 1/4", SS
NUT, 1/4-20, SS

FIG. 7

SECTIONED SATELLITE DISH ASSEMBLY



STEP 7:

Attach the **SATELLITE DISH** to the **SATELLITE DISH MOUNT ASSEMBLY** (See FIG. 8).

STEP 8:

Attach the **SATELLITE DISH MOUNT** and **DISH** to the **ANTENNA POSITIONER** (See FIG. 9).

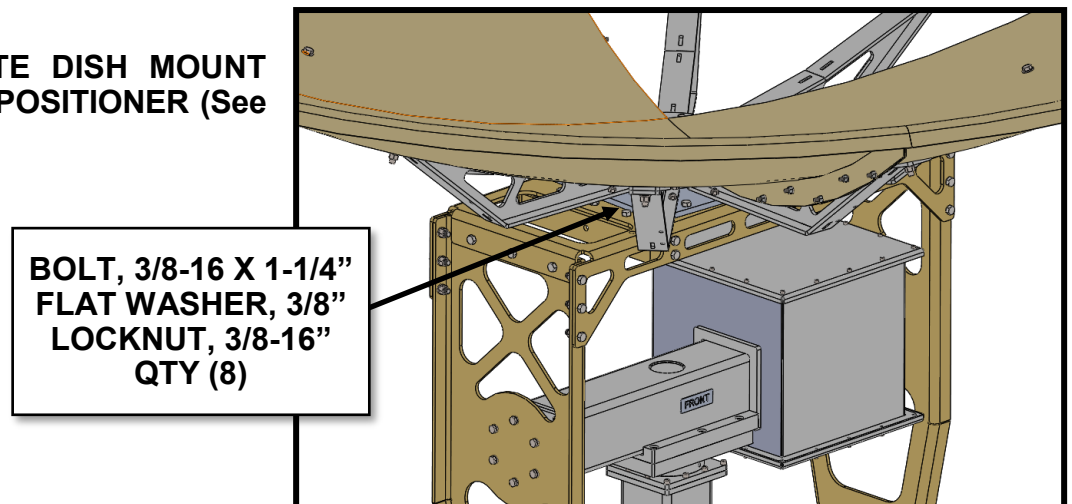


FIG. 9

SECTIONED SATELLITE DISH ASSEMBLY

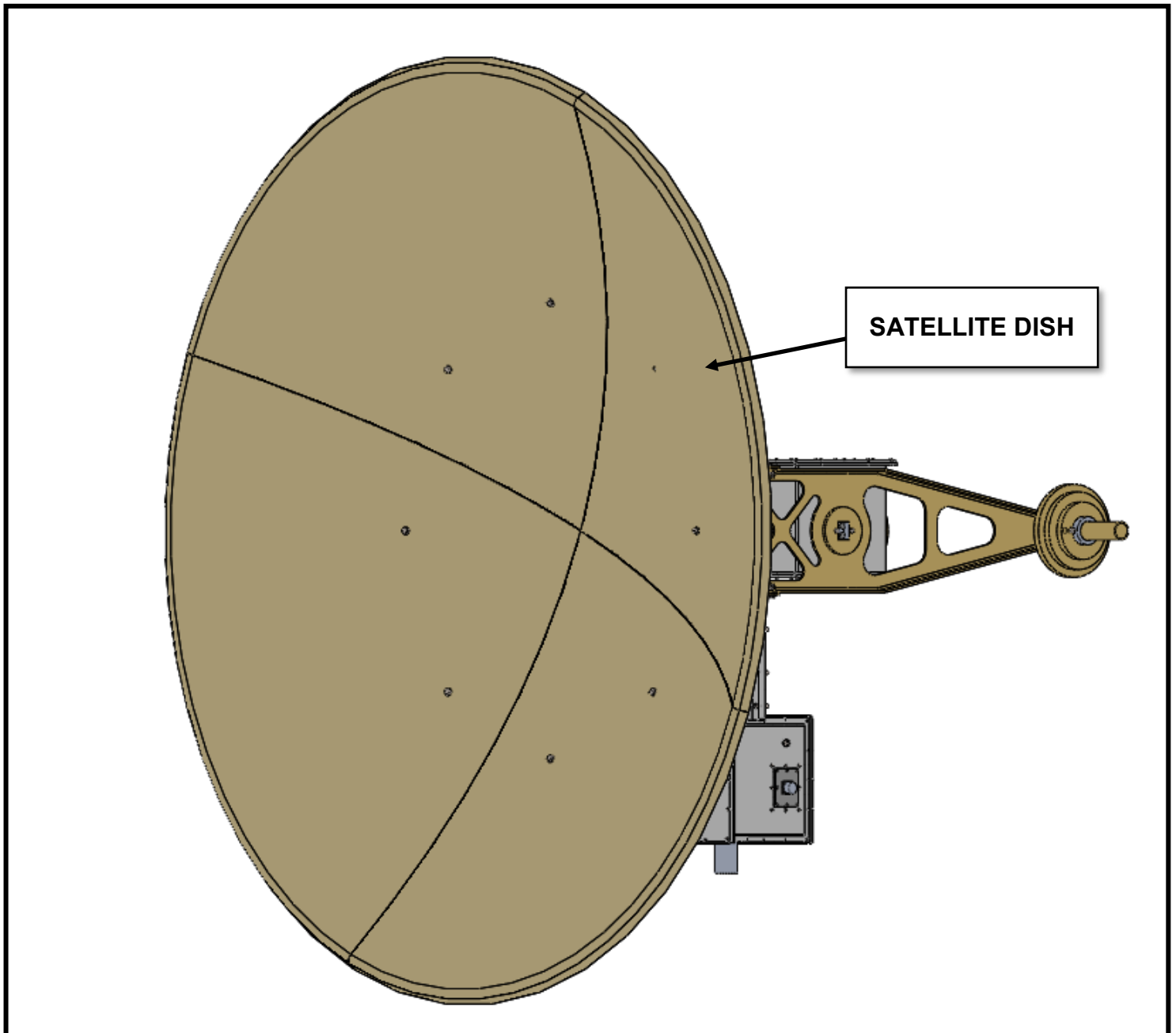


FIG. 10

STEP 9:

Position the **ANTENNA POSITIONER** to **0 DEGREES**. Attach the fourth **SATELLITE DISH PANEL** (See FIG. 10).

THIS COMPLETES THE ASSEMBLY OF THE FGSD-2.4DH SYSTEM. CONTINUE THE NEXT PAGE TO FINISH THE FGSD-2.4DH-YS ASSEMBLY.

FGSD-2.4DH-YS YAGI MOUNT

STEP 10:

Install additional fasteners to the **EXTENDED SATELLITE DISH SUPPORT** and the **SATELLITE DISH** (See FIG 11).

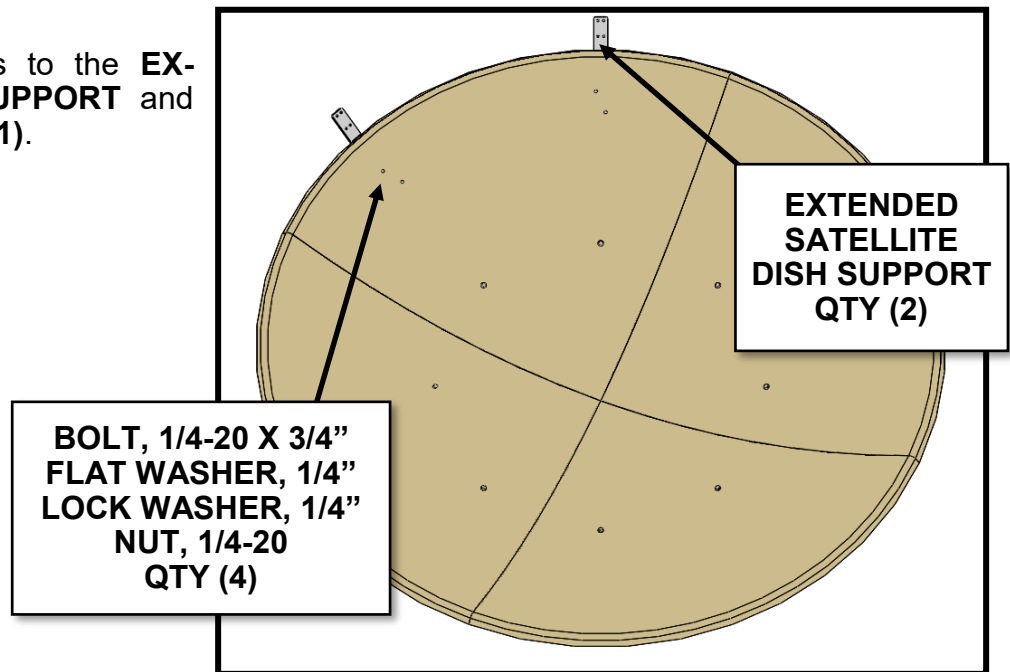


FIG. 11

STEP 11:

Attach the **YAGI SUPPORT BRACKET** to the **EXTENDED SATELLITE DISH SUPPORT** (See FIG 12).

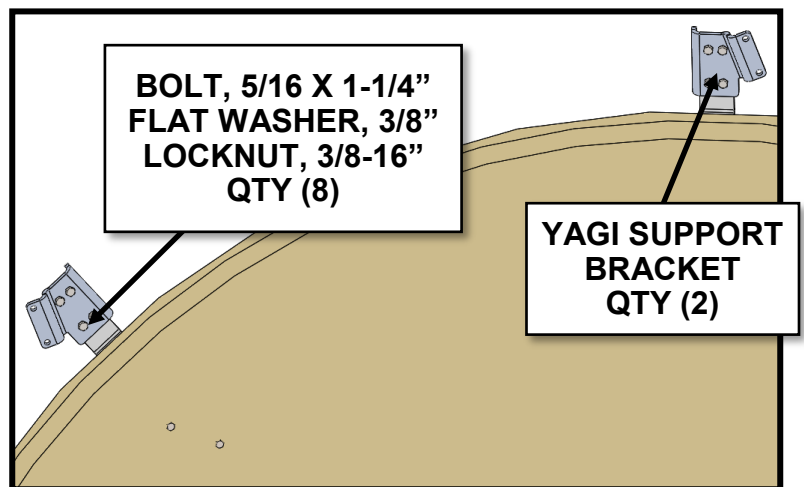


FIG. 12

FGSD-2.4DH-YS YAGI MOUNT

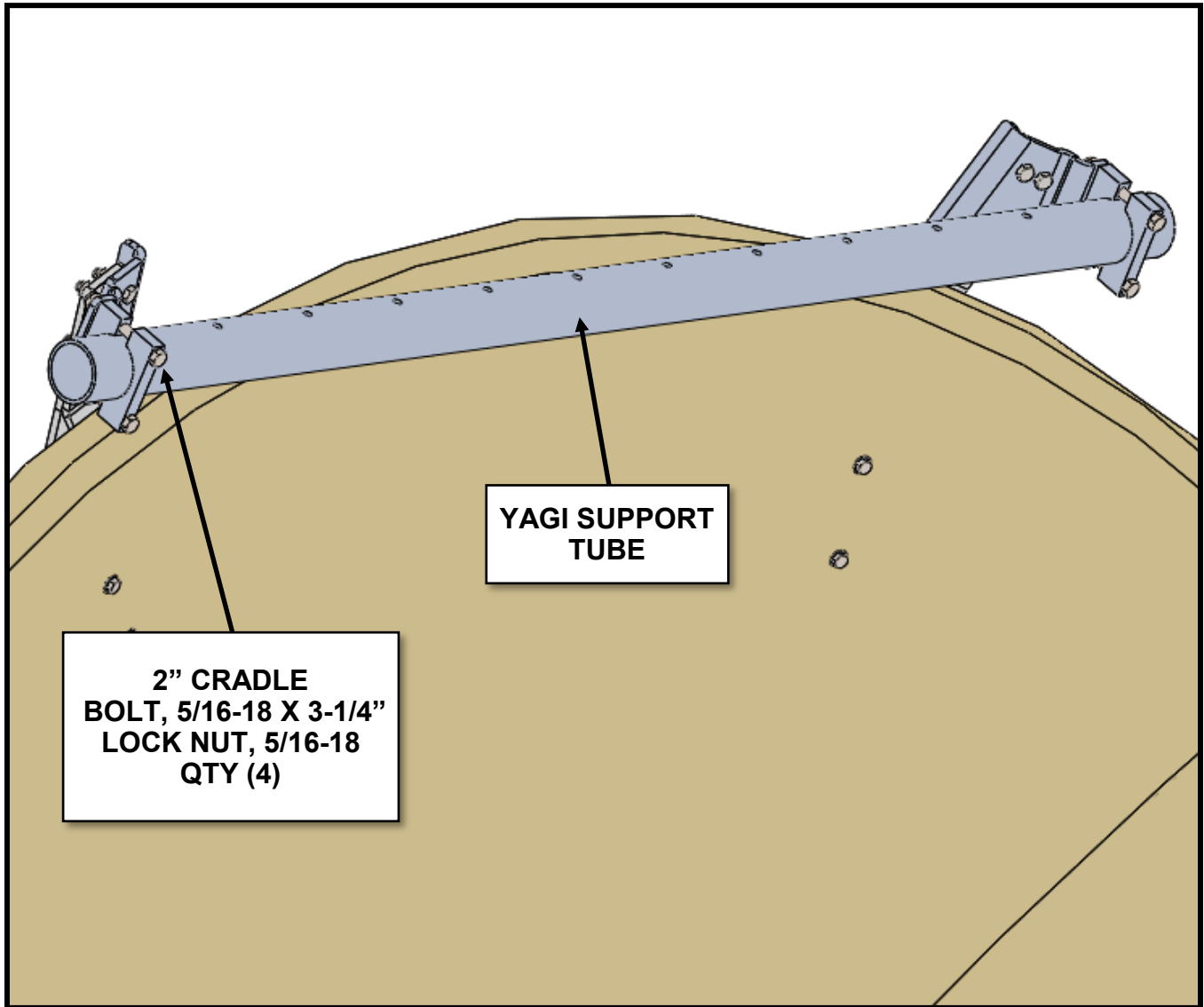


FIG. 13

STEP 12:

Install the **YAGI SUPPORT TUBE**. Use the **2" CRADLES** to mount the **YAGI SUPPORT TUBE** to the **YAGI SUPPORT BRACKET** (See FIG 13).

THIS COMPLETES THE ASSEMBLY OF THE FGSD-2.4DH-YS SYSTEM.

FGSD-2.4DH PARTS & HARDWARE LIST

<u>DESCRIPTION</u>	<u>QTY</u>
SATELLITE DISH PANEL, 2.4m (8').....	4
SATELLITE DISH MOUNT BASE PLATE (M2ASD0028)	1
SATELLITE DISH MOUNTING RING, TOP (M2ASD0032)	1
SATELLITE DISH SUPPORT (SASD0004)	8
SATELLITE DISH ASSY STAND, 4" X 15", CARDBOARD (M2ASD0035).....	1

HARDWARE

BOLT, 3/8-16 X 1-1/2" HEX HEAD, S.S.....	8
BOLT, 3/8-16 X 1-1/4", HEX HEAD, S.S.....	8
FLAT WASHER, 3/8", S.S.....	24
LOCK WASHER, 3/8", S.S.....	8
NUT, 3/8-16, S.S.....	8
LOCK NUT, 3/8-16, S.S.....	8
BOLT, 1/4-20 X 1", FLAT ALLEN HEAD, S.S.	32
BOLT, 1/4-20 X 1", HEX HEAD, S.S.....	16
BOLT, 1/4-20 X 3/4", HEX HEAD, S.S.....	36
LOCK WASHER, 1/4", S.S.....	36
LOCK NUT, 1/4-20, S.S.....	48
NUT, 1/4-20, S.S.....	36

FGSD-2.4DH-YS PARTS & HARDWARE LIST

<u>DESCRIPTION</u>	<u>QTY</u>
SATELLITE DISH PANEL, 2.4m (8').....	4
SATELLITE DISH MOUNT BASE PLATE (M2ASD0028).....	1
SATELLITE DISH MOUNTING RING, TOP (M2ASD0032).....	1
SATELLITE DISH SUPPORT (SASD0004).....	6
SATELLITE DISH SUPPORT (SASD0051).....	2
YAGI SUPPORT BRACKET, RH (M2ASA0060).....	1
YAGI SUPPORT BRACKET, LH (M2ASA0061).....	1
YAGI SUPPORT TUBE (M2ASD0063).....	1
2" CRADLE (M2AMC0130).....	4
SATELLITE DISH ASSY STAND, 4" X 15", CARDBOARD (M2ASD0035).....	1

<u>HARDWARE</u>	
BOLT, 3/8-16 X 1-1/2" HEX HEAD, S.S.....	8
BOLT, 3/8-16 X 1-1/4", HEX HEAD, S.S.....	8
FLAT WASHER, 3/8", S.S.....	24
LOCK WASHER, 3/8", S.S.....	8
NUT, 3/8-16, S.S.....	8
LOCK NUT, 3/8-16, S.S.....	8
BOLT, 5/16-18 X 3-1/4", HEX HEAD, S.S.....	4
BOLT, 5/16-18 X 1-1/4", HEX HEAD, S.S.....	8
LOCKNUT, 5/16-18, S.S.....	12
BOLT, 1/4-20 X 1", FLAT ALLEN HEAD, S.S.....	32
BOLT, 1/4-20 X 1", HEX HEAD, S.S.....	16
LOCK NUT, 1/4-20, S.S.....	48
BOLT, 1/4-20 X 3/4", HEX HEAD, S.S.....	36
LOCK WASHER, 1/4", S.S.....	36
FLAT WASHER, 1/4", S.S.....	4
NUT, 1/4-20, S.S.....	36