

NOTES: (UNLESS OTHERWISE SPECIFIED)
 1. DIMENSIONS ARE IN INCHES
 2. DIMENSIONS APPLY BEFORE MOUNTING
 3. INTERMEDIATE DIMENSIONS MAY VARY
 4. INTERNET DRAWING FILE: 21349-1004

GENERAL
 READ THE INSTRUCTIONS THOROUGHLY BEFORE ASSEMBLY. FOLLOW THE SEQUENCES FOR PROPER ASSEMBLY AND OPERATION.
 THIS WARNING INDICATES THAT FAILURE TO FOLLOW THE PROPER PROCEDURE AT THIS POINT COULD RESULT IN DAMAGE TO THE EQUIPMENT AND/OR OTHER PROPERTY AND POSSIBLE INJURY TO PERSONNEL.
CAUTION PERSONNEL

NOTICE
 THIS INDICATES INFORMATION THAT SHOULD BE READ BEFORE PROCEEDING.

UNPACKING
 CAREFULLY REMOVE ALL PARTS FROM SHIPPING BOXES. THE CONTENTS SHOULD BE COMPARED WITH THE PARTS LIST. ANY DAMAGE OR SURFACE DEFECTS SHOULD BE REPORTED IMMEDIATELY TO THE MANUFACTURER OF THE ANTENNA.
NOTICE
 THE INSTALLATION, MAINTENANCE OR REMOVAL OF AN ANTENNA REQUIRES QUALIFIED, EXPERIENCED PERSONNEL. ANDREW INSTALLATION PERSONNEL MUST BE USED FOR ALL ANTENNA SYSTEMS. ALL ANTENNA SYSTEMS SHALL BE INSPECTED ONCE A YEAR BY QUALIFIED PERSONNEL. TO VERIFY PROPER INSTALLATION, ANTENNA SYSTEMS SHALL BE TESTED PER THE REQUIREMENTS OF THE BULLETIN PROVIDED IN REFLECTOR HARDWARE KIT FOR MORE INFORMATION.
 ANY LIABILITY OR RESPONSIBILITY FOR THE RESULTS OF IMPROPER OR UNSAFE INSTALLATION OR MAINTENANCE PRACTICES.

TOOLS RECOMMENDED FOR PROPER INSTALLATION

QTY.	DESCRIPTION
1	3/8" OPEN END OR COMBINATION WRENCH
2	3/4" OPEN END OR COMBINATION WRENCH
1	RETAINING RING PLIERS

STEP 1
 FROM FRONT OF REFLECTOR BELL SLIDING FLANGE OF CIRCULAR WAVEGUIDE ASSEMBLY, INSERT HEX NUT AND TORQUE TUBE. WITH FEET END OF TORQUE TUBE, INSTALL FEED HORN ON FEED HORN MOUNTING PIPE USING 0.375-16UNCX0.50LG HARDWARE. SEE REFLECTOR INSTALLATION BULLETIN PROVIDED IN REFLECTOR HARDWARE KIT FOR MORE INFORMATION.

STEP 2
 WITH OPEN SQUARE KEY IN PLACE ON TORQUE TUBE, INSERT COMBINER SUPPORT AND TORQUE TUBE INTO THE TORQUE TUBE. THE TORQUE TUBE MUST SLIP SMOOTHLY OVER THE VERY END OF THE TORQUE TUBE AND LIBERALLY LEAVE IN PLACE TO BE INSTALLED LATER.

STEP 3
 ATTACH 4-PORT COMBINER TO COMBINER SUPPORT.
CAUTION: THE COMBINER IS FRAGILE AND SHOULD BE PROTECTED FROM PHYSICAL ABUSE. CARE SHOULD ESPECIALLY BE TAKEN TO AVOID DAMAGING IT.

STEP 4
 WITH GASKET IN PLACE, SLIDE 4-PORT COMBINER TOWARDS REFLECTOR UNTIL MATING SURFACES OF FLANGES IN CONTACT. HOLD COMBINER IN PLACE WITH TORQUE TUBE AND LIGHTEN SET SCREWS IN COMBINER SUPPORT. INSTALL SNAP RING IN TORQUE TUBE.

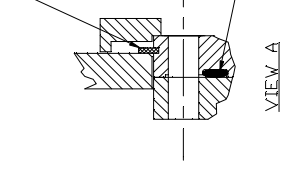
NOTICE
 TIGHTEN ALL HARDWARE

UNBELL WAVEGUIDE PARTS MUST BE TIGHTENED FOR PROPER OPERATION. USE TIGHTENING LOADS WITH MAX VSOR UP TO 800 LB (400 RETURN LOSS) FOR 4-PORT USE. ANDREW P/N: 6801-289

MFG	INSPECTION	TEST
PROCEDURES	PROCEDURES	PROCEDURES
AUSA SPECIFICATIONS		

REV NO.	DATE	REVISIONS
1	239582	
2		
3		
4		
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NOTICE
 USE FULL THICKNESS GASKETS IF MATING FLANGES ARE GROOVED AND HALF THICKNESS GASKETS IF MATING FLANGES ARE NOT GROOVED.



QTY.	REV.	DESCRIPTION	PARTS LIST	DESCRIPTION
1	19	EA	9903-10	222200-45 HEX WRENCH
2	18	EA	9978-167	0.375-16UNCX0.50LG SET SCREW
6	17	EA	9972-17	0.25-20UNCX1.0LG SHCS
8	16	EA	9972-2	0.25-20UNCX1.25LG SHCS
12	15	EA	9974-15	0.25 SPLIT LOCKWASHER CLAMP
2	14	EA	223366	GASKET
1	13	EA	49417-3	WR137 HALF GASKET
2	11	EA	28030-2	WR229 HALF GASKET
2	11	EA	31619-2	WR137 HARDWARE KIT
2	10	EA	55219-137	WR229 HARDWARE KIT
2	9	EA	55219-229	0.25-20UNC HEX NUT KEY
8	8	EA	9999-57	0.25-20UNC HEX NUT
1	7	EA	9875-60	SNAP RING
1	5	EA	9911-119	SNAP RING
1	4	EA	223225	222200-45 COMBINER SUPPORT
1	3	EA	222200-45	4-PORT COMBINER SUPPORT PACK
1	2	EA	301933-0	4-PORT CIRCULAR WAVEGUIDE ASSEMBLY
1	1	EA	223415	4-PORT C.P. COMBINER

REV NO.	DATE	REVISIONS
1	11/14/14	
2		
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www.aisignal.com
 6.5M, 7.3M, 7.6M & 9.1M ESA
 C.P. 4-PORT
 INSTALLATION INSTRUCTIONS
 ISSUE NO: 239582

UNUSE OTHERWISE SPECIFIED DIMENSIONS APPLICABLE TO THIS DRAWING
 DIMENSIONS
 1. H. AGE DIMENSIONS ± .01
 2. F. AGE DIMENSIONS ± .01
 ALL DIMENSIONS
 DIMENSIONS ± .01
 DIMENSIONS ± .01
 DIMENSIONS ± .01
 DIMENSIONS ± .01
 DIMENSIONS ± .01

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