Installation Instructions

A CommScope Company

Interface Installation & polarisation Adjustment

for ValuLine Antennas CERAGON CR4(A)(B)

Bulletin 7609492 page 1 of 2
Version 04 Status RE Rev D
Model Version 00 Status RE Rev A

Andrew Institute offers installation training.

Description

This integration assembly used in conjunction with the feed assembly is designed to be mounted into the reflector of a 2ft(0.6m), 3ft(1.0m), 4ft(1.2m) or 6ft(1.8m) antenna.

Notice

The installation, maintenance or removal of antenna systems requires qualified, experienced personnel. Andrew installation instructions have been written for such personnel. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenace and condition of equipment

Andrew disclaims any liability or responsibility for the results of improper or unsafe installation practices.

Warning: Use protective wear to avoid skin contact with the compound. Keep away from mouth. Wash throughly after use with liberal amounts of liquid soap and rinse with water. do not store open near food or food sources. Contents: oil, clay and zinc dust.

Table 1. Parts List (10-38GHz)

Item	Description	Qty
1	Interface Plate	1
2	O-Ring (2 & 3ft ONLY)	1
3	Transition	1
4	M8 Skt Hd Cs'k Screw 16lg	8
5	Silicon Grease (tube)	1
6	Conductive Grease (tube)	1
7	O-Ring	1

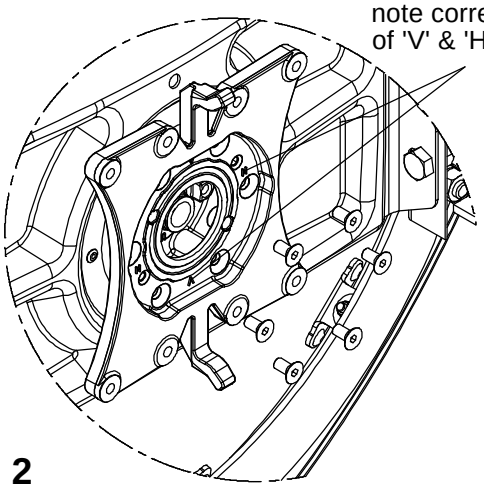
Table 1A. Part List (6-7 GHz)

Item	Description	Qty
1	Interface Plate	1
2	O-Ring (2 & 3ft ONLY)	1
3	Transition	1
4	M8 Skt Hd Cs'k Screw 16lg	2
5	M8 Skt Hd Cs'k Screw 55lg	6
6	Silicon Grease (tube)	1
7	Conductive Grease (tube)	1
8	O-Ring	1

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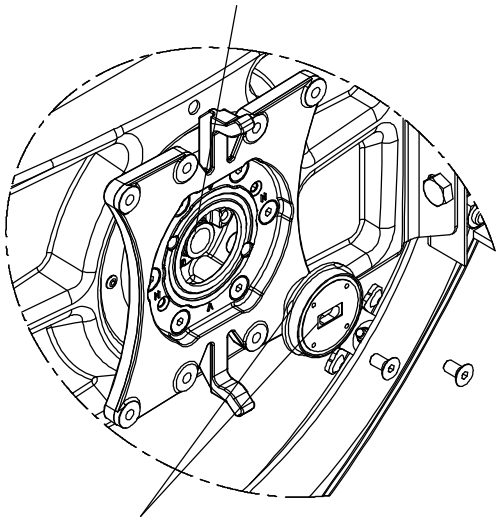
Fit interface plate to hub mounting ring using 6-off c'sk screws supplied. Ensure interface plate has located properly before tightening to a torque of 10Nm ±5%. (see 3 for polarisation settings) Ensure timing pin locates in timing recess in interface plate.

note correct orientation of 'V' & 'H' timing marks



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Remove protective tape
Assemble small o-ring to feed, smear a small amount of silicon grease to o-ring **(2 & 3ft ONLY)**



To assemble transition hub, orientate hub positioned as shown (note orientation) and fasten 2-off c'sk screws in line with scalloped edges as shown to a torque of 10Nm ±5%.

Andrew Wireless Solutions

Customer Service 24 hours
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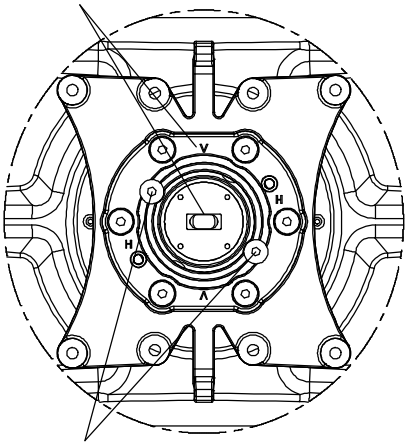
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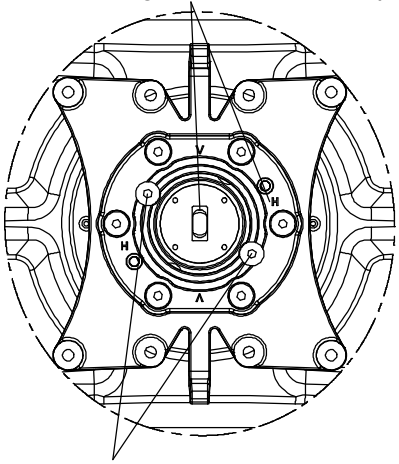
Polarisation indicator on transition assembly to be aligned with 'V' timing mark on interface plate



Loosen c'sk (2 places) until transition assembly can rotate freely then rotate transition assembly until timing pin locates in timing recess of interface plate at the 'V' position When located re-tighten c'sk screws to a torque of 10Nm ±5%.

Vertically Polarised Application

Polarisation indicator on transition assembly to be aligned with 'H' timing mark on interface plate

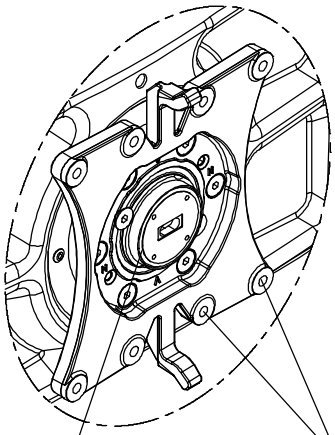


Loosen c'sk (2 places) until transition assembly can rotate freely then rotate transition assembly until timing pin locates in timing recess of interface plate at the 'H' position When located re-tighten c'sk screws to a torque of 10Nm ±5%.

Horizontally Polarised Application

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View showing full assembly of interface plate and transition hub to reflector.



Apply conductive grease to threads prior to installation of ODU or Coupler. Torque ODU/Coupler hardware to 12Nm ±5%.

Fit o-ring in groove on transition

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