

Genuine Ace

### Replacement of Magnetron " S " Band Radar JRC

<b>Make</b>	JRC
<b>Model</b>	JMA-9132-SA
<b>Part Type</b>	M1555
<b>Part Code</b>	5VMAAA00104



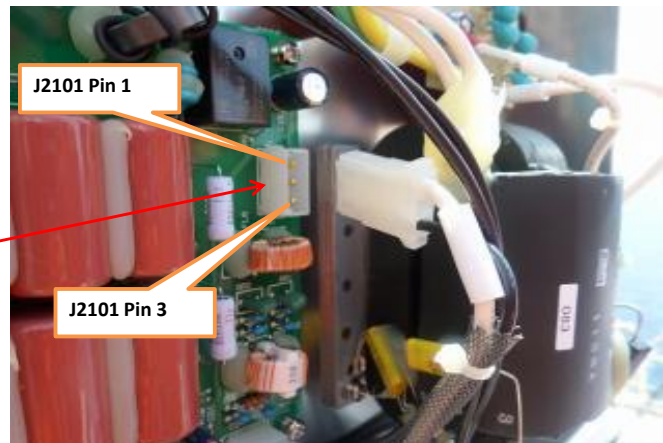
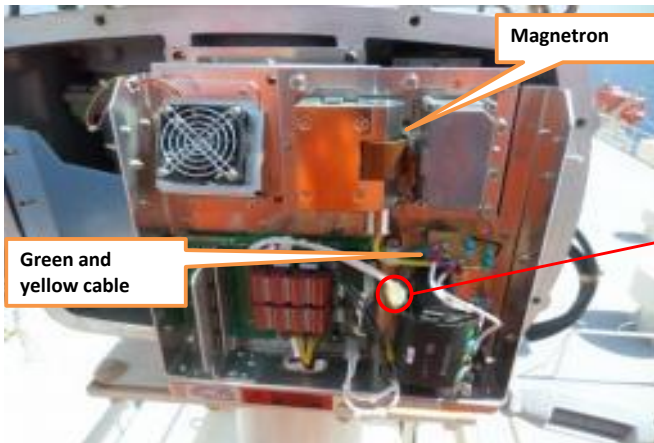
- 1) Before Starting - Switch off Radar No.1 On the Unit (PIC no 1) and Put No. 2 Radar on "Stby"  
Ensure both Scanners are stopped.  
In Chart Table on panel "AC EN 100V Dist Panel" Switch Off No 7 - Radar No.1 power Supply.  
Put Palacards " Men at Work" on Radar No. 1 & 2 and on ships Whistle



- 2) Working Aloft SWCL-003 is required for this Job
- 3) Before starting part replacement work, turn off the Safety Switch of the scanner unit.



- 4) Remove the pedestal cover



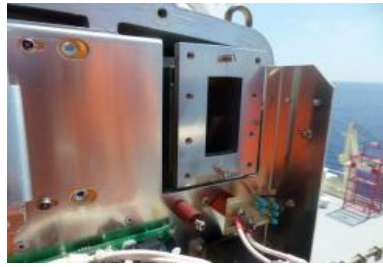
- 5) Remove the cover on the left port side and check that there is no remaining Electric charge Between "J2101 Pin 1" and "J2101 Pin 3" in the modulation circuit board CPA-264  
Note - Multimeter requires DC 1000V input capability.
- 6) Remove the 2 screws(M4) holding the Magnetron cables (both Yelow and Green).



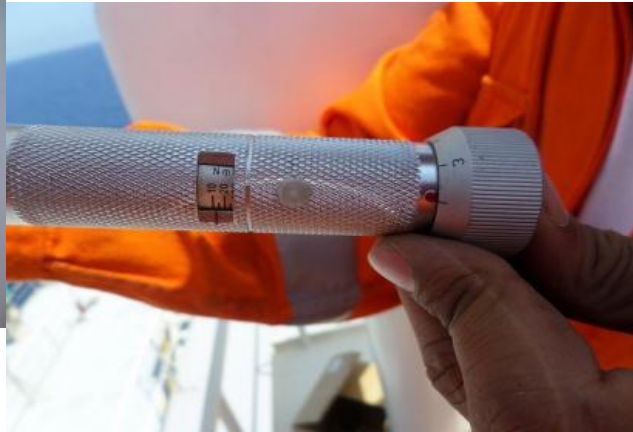
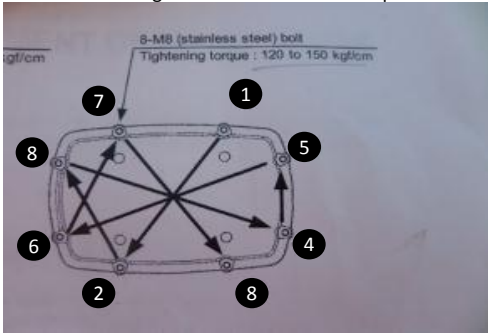
- 7) Remove the Eight screws (M6) to remove the fixture holding the magnetron.  
The screws cannot be removed from the fixture, so loosen the eight screws and remove the magnetron together with fixture.

Caution:-

The Magnetron is held by a hook, but careful not to let it fall  
Use a Non - Magnetic screw driver. If the magnetron comes in contact with any Metal(Tool), Its performance may deteriorate.



- 8) Install the new magnetron and tighten the screws to hold the cables.  
9) Put back the pedestal cover. Ensure there is no foreign matter or dust adhered to the gasket when you put the cover on. Tighten the screws in below pattern with torque set in screw driver(120 - 150 kgf/cm).



- 10) Turn on the power supply for the Radar. Allow sufficient time for the Radar to be preheated (about 20 to 30 minutes/bring the radar unit to Stby mode)  
11) Start emitting radio waves from short pulse range and gradually change the emissions to long pulse range. Open the Service engineer menu ( see below) to perform tuning adjustment.  
If Operation becomes unstable such as the magnetron current is unstable, bring the Radar unit to STBY mode and restart emission after allowing for an interval of 5 to 10 minutes.  
12) Emit radio waves in long pulse range mode for about 15 mins and reopen the service menu to perform tuning adjustment Adjust the setting in the service engineer menu until the tuning indication bar on the display unit reaches the 6th and 9th calibration marking.  
13) Finally, Initialize the transmission time in the service engineer menu.

#### Method to open Service Engineer Menu and Initialize Tx time



Keep Cursor on "Main" and hold Left key on mouse for 3 sec



Press "0" and ENT



Select Maintenance Menu



Select TXRX time



Select Clear TX time



Select Yes