

EQUIPMENT AFFECTED: BME S-Band Masthead Transceivers 65830M **, N ** and Bulkhead Transceivers 65831A, B

APPLICATION: If required.

OBJECT AND METHOD: To reduce RF Leakage affecting AFC performance

TIME REQUIRED: 3hrs Max. + 2hrs Travelling Max.

PROCEDURE:

NOTE: Ensure anti static precautions are taken when handling electronic assemblies and components

PART A FOR BULKHEAD TRANSCEIVER: (see page 4 for masthead procedure)

1. Switch off Radar and isolate from mains supply
2. Remove transceiver cover.
3. Refer to the Ships Manual, Chapter 6, and remove 4 off cables (a,b,c,d)

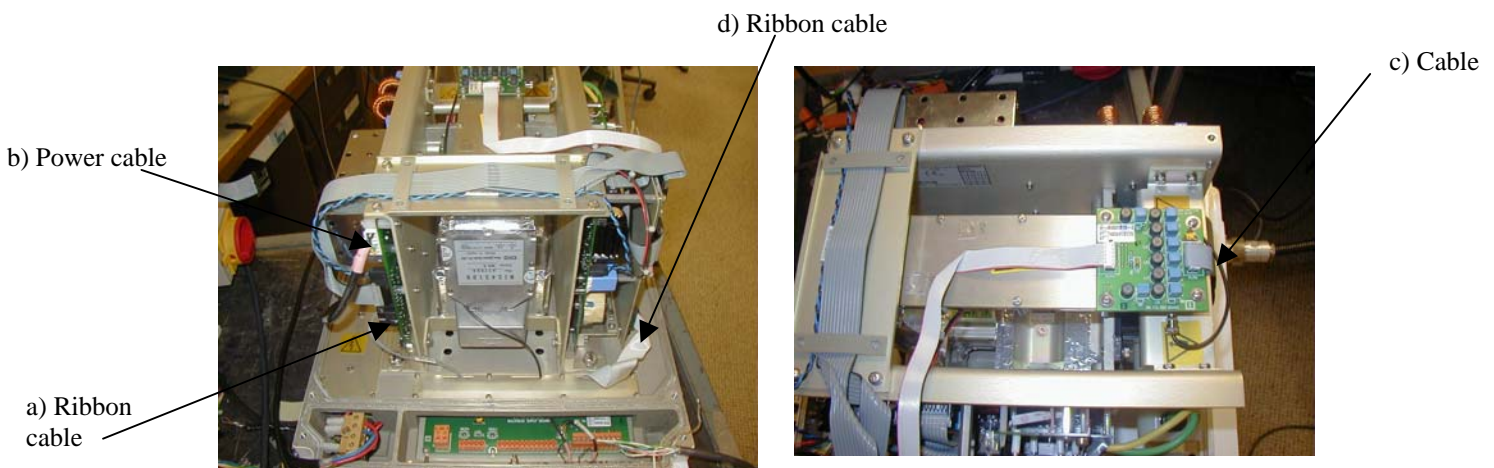
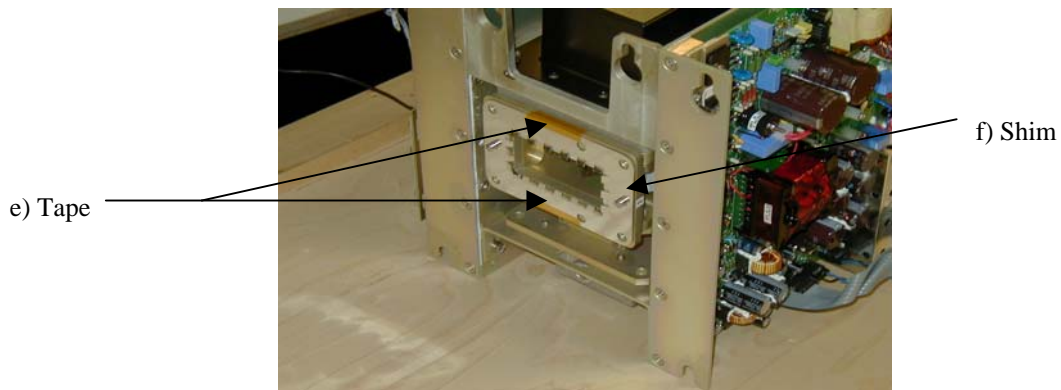


Figure 1 – Cables

4. Carefully remove transceiver unit by loosening six off bolts, slide unit up and pull away

- Remove Tape (e) from shim (f)

Figure 2 – Remove Tape



- Referring to figures below, attach compressable shim, g, item 1, over dowel pins and existing shim (f) in orientation shown and hold in place using 2 pieces of tape, (h), from item 2.

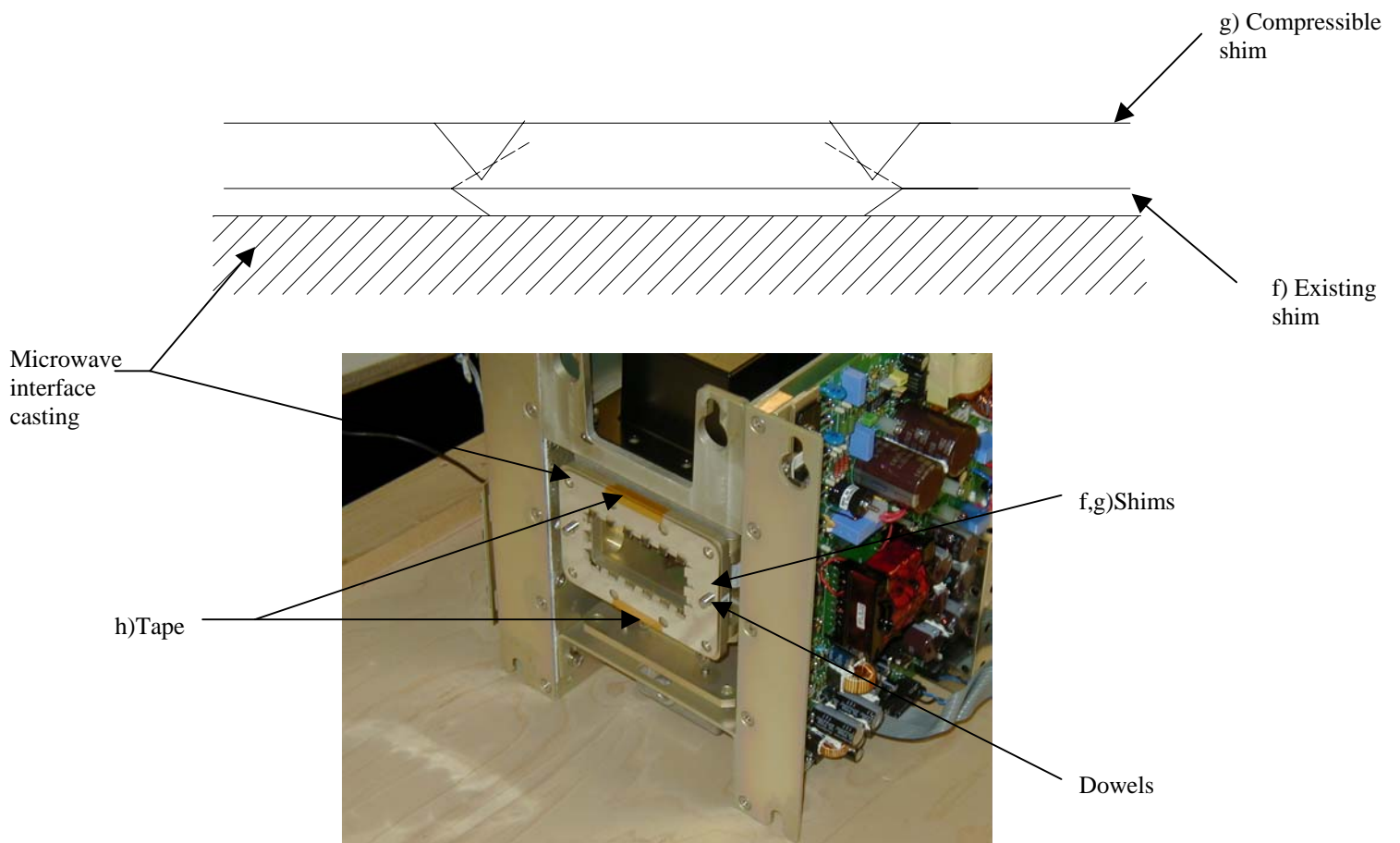


Figure 3 – Attach shims

- Carefully remove transceiver casting from mountings to access the rear.

NOTE: It may be necessary to disconnect the cables. In this case note carefully **ALL** connections

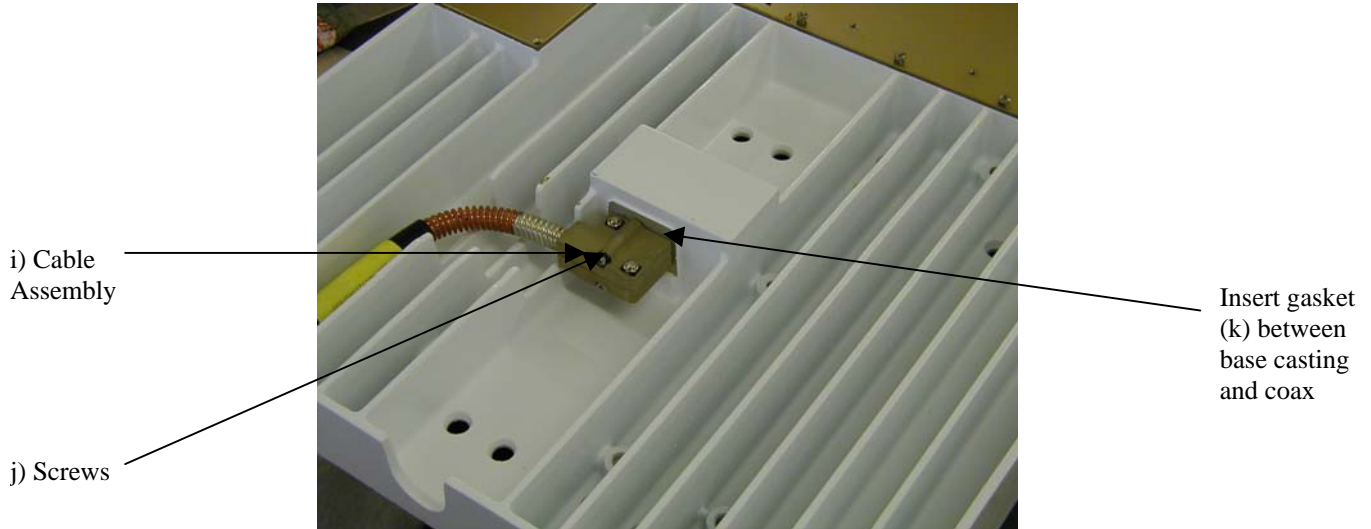


Figure 4 – Remove Coax cable

- Remove coax cable assembly (i) by undoing 2 off fixing screws (j) being careful not to damage the probe.
- Refit coax cable assembly (i) placing gasket (k), item 3, between cable and base casting and replace 2 off screws (j)
- Refit transceiver casting to bulkhead and reconnect cables if required
- Replace transceiver and tighten 6 off fixing bolts.
- Re-attach 4 off cables (figure 1 a,b,c,d)
- Replace Transceiver cover
- Reconnect mains supply, switch on radar and check for normal operation.

PART B PROCEDURE FOR MASTHEAD TRANSCEIVER:

1. Switch off Radar and isolate from mains supply
2. Remove transceiver cover and side covers.
3. Referring to Ships Manual, Chapter 6, remove 4 off cables (a,b,c,d)

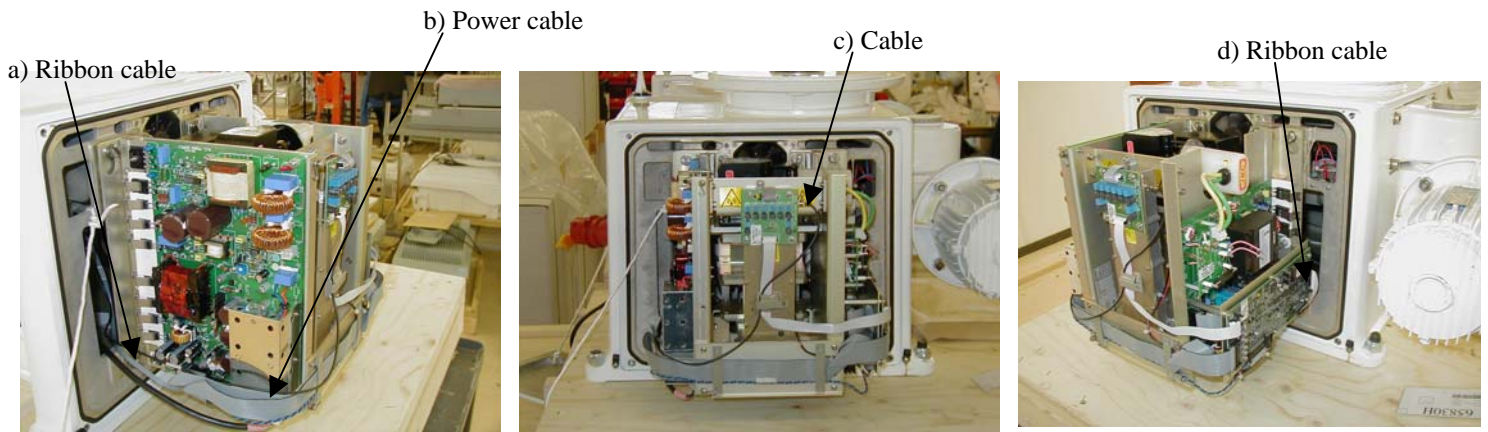


Figure 5 – Cables

4. Carefully remove transceiver unit by loosening six off bolts, slide unit up and pull away
5. Remove Tape (e) from shim (f)

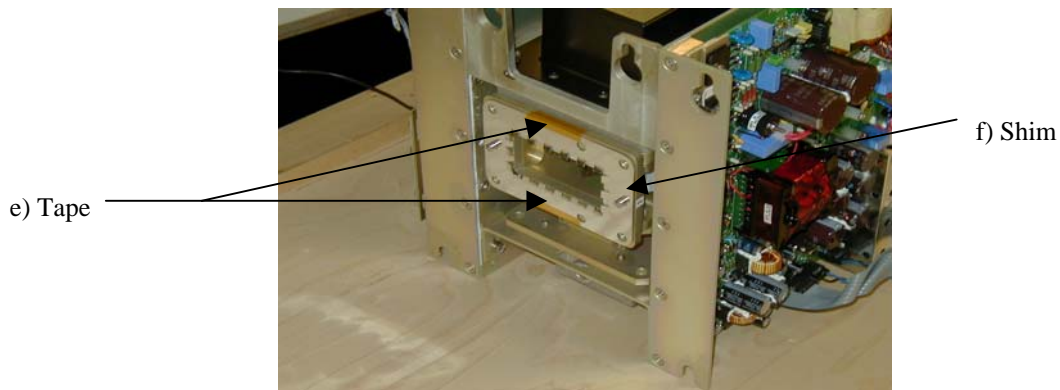


Figure 6 – Remove Tape

6. Referring to figures below, attach the compressable shim, item 1, over dowel pins and existing shim (f) in orientation shown and hold in place using 2 pieces of tape (h), from item 2.

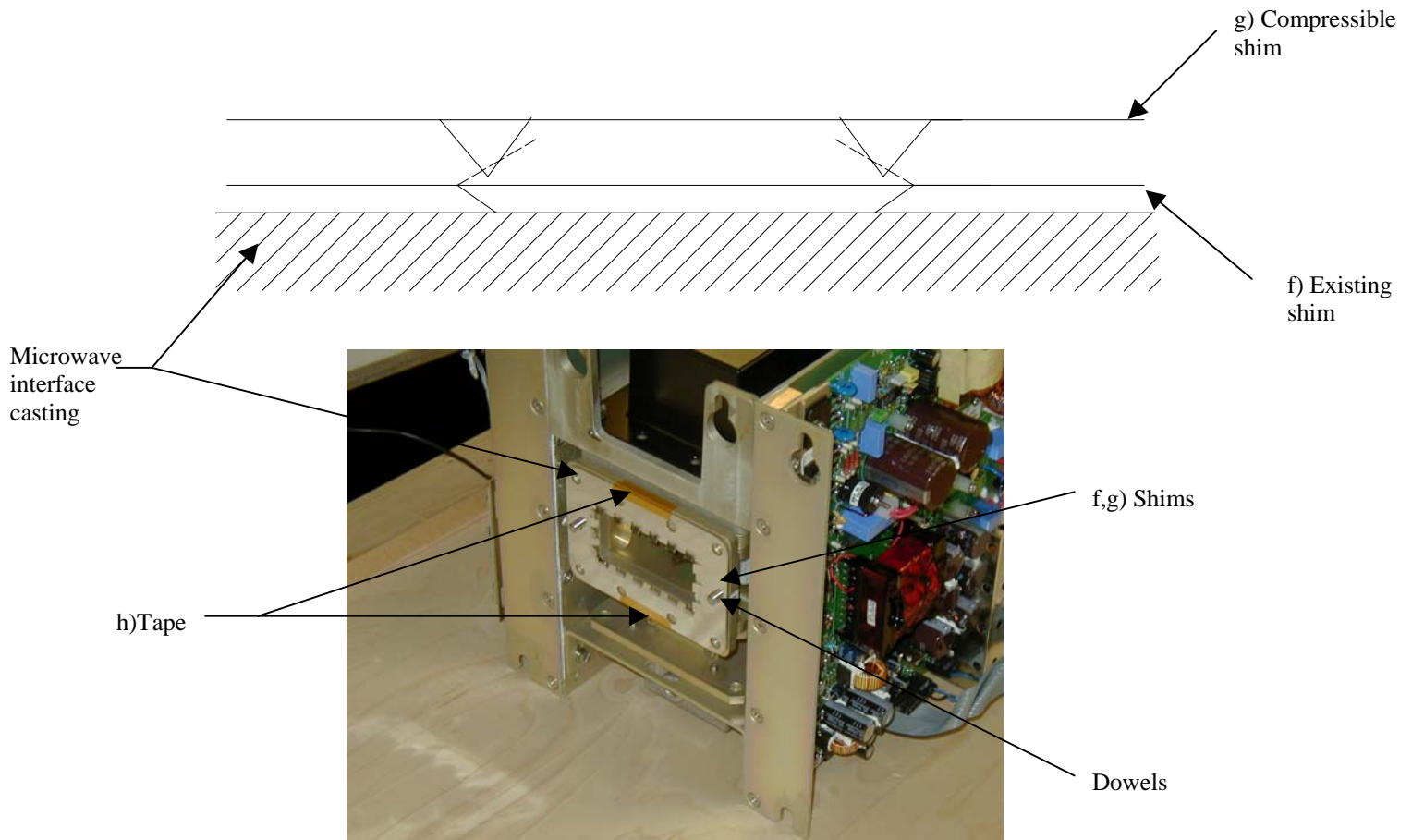


Figure 7 – Attach shims

7. Disconnect the coax cable, (i), from the turning unit transition by removing 2 off screws, (j), being careful not to damage the cable by over forcing.

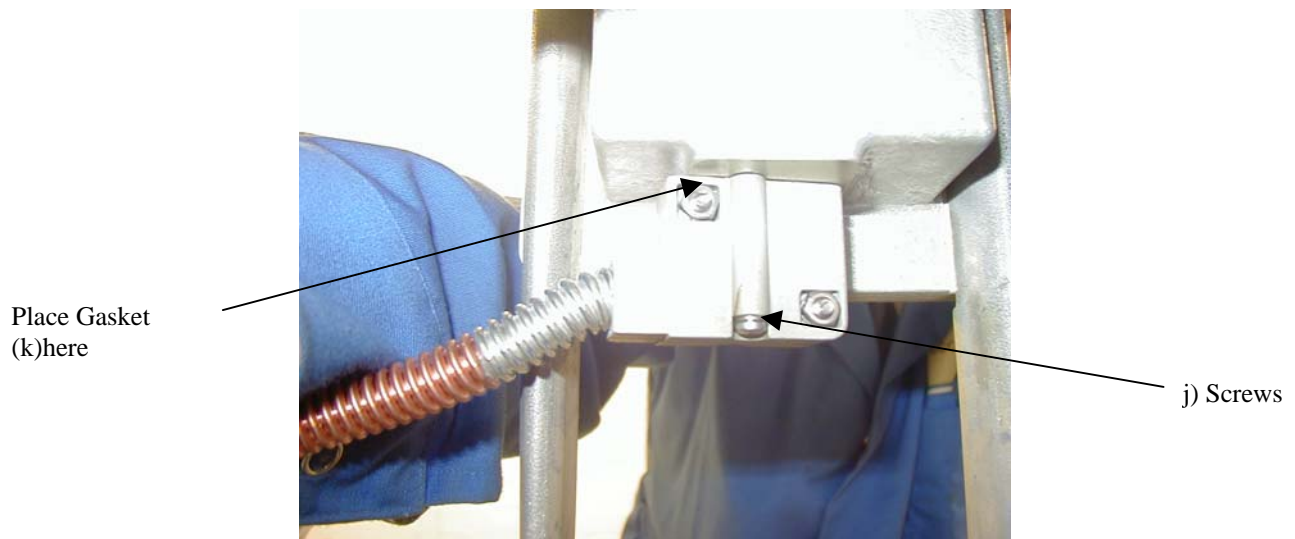


Figure 8 – Remove Coax cable (view from inside turning unit)

8. Refit coax cable, (i), placing gasket, (k), item 3, between cable and transition and replace 2 off screws (j)

9. Replace transceiver and tighten 6 off fixing bolts.
10. Re-fit 4 off cables (figure 5 a,b,c,d)
11. Replace Transceiver cover and side covers.
12. Reconnect mains supply, switch on radar and check for normal operation.

MANUAL AMENDMENTS

Insert a copy of this Instruction in the Ships Manual, Chapter 8.

MATERIALS REQUIRED, (per Transceiver):

Item	Description	Code No	Qty
1	Compressable Shim	MA00012781	1
2	Tape	MA00006908	1
3	Knitted Gasket	65830280	1