

MODIFICATION INSTRUCTION SHEET No DX/9

Issue 1/Cat 2

EQUIPMENT AFFECTED: BridgeMaster E ARPA Processors, 65800R--- fitted with either,
a) Radar Processor issue 3 or earlier
b) Display Processors issue 2 or earlier
c) Software versions 3.01 or earlier

APPLICATION: ARPA Radars with Track Table outputs to VMS.

OBJECT AND METHOD: To provide version 3.02 Software operation by replacing the Radar Processor, Display Processor and software.

TIME REQUIRED: 1hour + 2 hours travelling time max

PROCEDURE:

Note: Ensure anti-static precautions are taken when handling electronic assemblies and components.

- 1 Switch off the radar system and isolate it from the ship's supply.
- 2 Referring to the Ships Manual, Item 6, Chapter 6. From the Processor Unit remove the Display and Radar Processor PCBs.
- 3 On the Display Processor PCB carefully remove:-
 - a) the security device, (dongle), 32SDA001, fitted to SKDV,
 - b) EEPROM reference U81
 - c) Compass PCB, 65800831/2.
- 4 On the new Display Processor PCB, Item 1,
 - a) refit the security device, (dongle), 32SDA001 into SKDV,
 - b) replace the EEPROM reference U81 with the original device removed at 4.b above.
 - c) refit the Compass PCB
 - d) fit the new Flash PCBs, items 4 and 5, ensuring the alignment arrows point together.
- 5 On the new Radar Processor PCB, item 2, fit the new Flash PCB, item 3, ensuring the alignment arrows point together.
- 6 Referring to the Ships Manual, 65800010B, Chapter 6, fit the new Display Processor PCB, new Radar Processor PCB and re-assemble the Processor unit.
- 7 The three old Flash PCB's, the old Display and Radar Processor PCBs are to be retained and returned to Mr. J. Donovan at LMS, New Malden, U.K.
- 8 Restore ship's power and at the display :-
 - a) Select the 'SYSTEM' menu.
 - b) Select the 'SYSTEM STATUS' menu
 - c) Check the 'DISPLAY', 'GRAPHICS' and 'RADAR' versions are 3.02.

- 9 Access the Initialisation Mode and check the System Configuration, I/O Options and Transceiver Settings against the parameters recorded in the 'Initialisation and Commissioning CheckList' at the end of Chapter 4 in the original Ships Manual.
(If necessary to re initialise follow the procedure in the Ships Manual, Chapter 4)
- 10 Ensure the 'Initialisation and Commissioning Checklist' in the Ships Manual, item 7, is filled in.
- 11 Finally check that the Radar operation is fully restored.

MANUAL AMENDMENTS:

Insert a copy of this Modification in the Ships Manual, 65800010B, Chapter 8, 'MODIFICATIONS'.

MATERIALS REQUIRED:

Item	Description	Code No	Qty
1	Display Processor (Issue 3 or later)	65800811	01
2	Radar Processor (Issue 4 or later)	65800814	01
3	Radar Flash PCB	32FAA013	01
4	Graphics Flash PCB	32FAB013	01
5	Display Flash PCB	32FAC013	01
6	User Guide	65800010A	01
7	Ships Manual	65800010B	01