

**MODIFICATION INSTRUCTION SHEET No DX/15-2
(SUPERSEDES FIELD MODIFICATION DX13)****Rev A/Cat 2**

EQUIPMENT AFFECTED: BridgeMaster E Processors, 65800R---, T---, Y---, Z---, fitted with software Versions C5.00, C5.01, C5.02, C5.03 or C5.06 only.

APPLICATION: If required.

OBJECT AND METHOD:

- a) For processors fitted with C5.00 and C5.01, to improve the stability of the tracked target vectors.
- b) For processors operating with AIS using C5.00, C5.01 or C5.02, to stop illegal AIS MMSI messages causing operational malfunctions.
- c) For processors fitted with C5.00, C5.01, C5.02, C5.03 or C5.06 software, to improve handling of serial inputs with erratic data or serial inputs that are switched externally between sources.(ie: Nav input)

To achieve the above, replace the software with version C5.07 or later.

TIME REQUIRED: 1 hour on board

MINIMUM SPECIFICATION: **This modification is not for earlier software variants 3.xx or 4.xx.**

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, Chapter 6, from the Processor Unit remove the Display and Radar Processor PCBs.
- 3 On the Display Processor PCB, fit the new Flash PCBs, items 1 and 3, ensuring the alignment arrows point together.
- 4 On the Radar Processor PCB, fit the new Flash PCB, item 2, ensuring the alignment arrows point together.
- 5 Referring to the Ships Manual, Chapter 6, re-fit the Display Processor PCB, and Radar Processor PCB and then re-assemble the Processor unit.
- 6 The three Flash PCBs removed are to be returned to Mr J. Donovan at Sperry Marine, New Malden, U.K. Payment of invoice will be conditional on receipt of these PCBs. Use the label on this sheet as an address label and attach it to the Jiffy Bag.**

- 7 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 C5.07 or later
- 8 Access the Initialisation Mode and check the System Configuration, I/O Options, Remote Alarms and Transceiver Settings against the parameters recorded in the 'Initialisation and Commissioning Check List' 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)
- 9 Reset the Video Input level, (See Ships Manual, Chapter 4, Section 8.4.2), even if SET OK is displayed
- 10 Ensure the 'Initialisation and Commissioning Checklist' in the Ships Manual, 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	Graphics Flash PCB	32FAB0xx	01
2	Radar Flash PCB	32FAC0xx	01
3	Display Flash PCB	32FAD0xx	01

Note: For the latest version of flash supplied see service bulletin SB2. (eg: 0xx = 052 for C5.07)

ADDRESS LABEL:

**Mr Jim Donovan (MOD DX15)
 Sperry Marine,
 118 Burlington Road,
 New Malden,
 Surrey KT3 4NR
 England**

(SHIPS NAME.....)