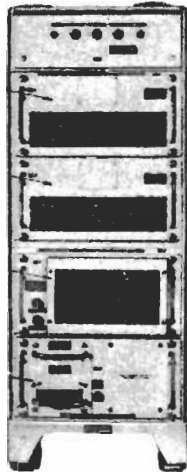
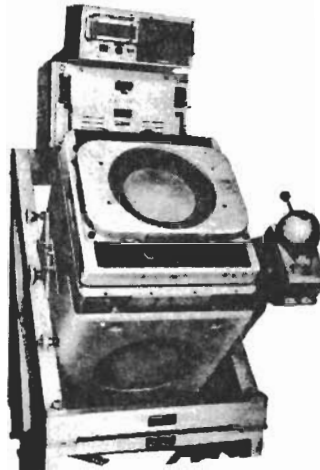


SIF OUTFIT SND**SND**

SUMMARY OF DATA



DECODER CABINET



DISPLAY OUTFIT (DA) WITH ACTIVE DECODING

PURPOSE

SIF (Selective Identification Feature) Outfit SND provides active decoding facilities for IFF Mark 10 in ships fitted with interrogator Type 944M or Outfit 1010. A maximum of two display positions in any one ship will be fitted for active decoding. SIF Outfit SND(1) comprises the equipment for a single position and SIF Outfit SND(2) the equipment for two positions.

BRIEF DESCRIPTION

With SND, any selected IFF response can be passed to the active decoding system which, very briefly, will identify the code and display it on a visual numerical indicator at the display position. Selection of the response is achieved by means of a control joystick. This produces a marker which is controlled by the joystick to embrace the position of the selected response, whereupon a strobe waveform is generated every time the display trace passes through the response. This waveform is used to open an input gate in the active decoder, thereby allowing the response to be decoded and its code displayed. In practice, the active decoder makes an assessment of the code pulse received in up to eight successive pulse trains, so that the probable, or possible, code is displayed.

Concurrently with the fitting of SND, facilities are provided for Mode 1 SIF codes to be selected at the active decoding displays.

POWER SUPPLIES

Power supply requirements are the same as for Type 944M, with the addition of a supply of 115 or 230 volts, 50/60 c/s, 200 W for the Gate Electronic (where fitted) and an occasional similar supply for A.P. 164708 Power Supply Assembly for test purposes.

MAJOR UNITS

Item	Reference No.	Description	Number	
			SND(1)	SND(2)
1	5895-A.P. 164701	Cabinet, Decoder (Active)	1	
2	5895-A.P. 164702	Cabinet, 2 Decoders (Active)		1
3	5895-A.P. 164210	Decoder, Active	1	2
4	5895-A.P. 164208	Drawer, Power Supply	1	1
5	5895-A.P. 164209	Power Supply	1	2
6	5895-A.P. 164657	Amplifier, Video	1	2
7*	5895-A.P. 164703	Control, Joystick, Range Bearing VCS fitting	1	2
	or 5895-99-522-8896	Control, Joystick, Range Bearing Box		
	or 5895-99-580-3172	Control, Joystick, Range Bearing VCS 241		
8*	5895-A.P. 164704	Gate, Electronic	1	2
9	5895-A.P. 164706	Mixer Control Unit, All Modes (Active) VCS 944 only	1	2
	or 5895-99-924-3391	Control Mixer Stage All Modes (Active) CCU 944 Only		
	or 5895-99-533-6200	Control Mixer Stage (Active) VCS 1010 Only		
	or 5895-99-533-6202	Control Mixer (Active) CCU 1010 only		
10	5895-A.P.164207	Indicator Code	1	2
11	5895-A.P.164705	Amplifier, Video	1	1
12	5895-A.P.164707	Test Set Decoder Assembly	1	1
13	5895-A.P.164708	Power Supply Assembly (for use with item 12)	1	1
14	6625-99-580-1640	Test Set, Electronic Circuits (Supplied to Repair Centres only)		

* Items 7 and 8 only supplied for JDA displays.

HANDBOOK

BR 2417

ESTABLISHMENT LIST

E 1389

INSTALLATION SPECIFICATION

B831 944
B1157 1010