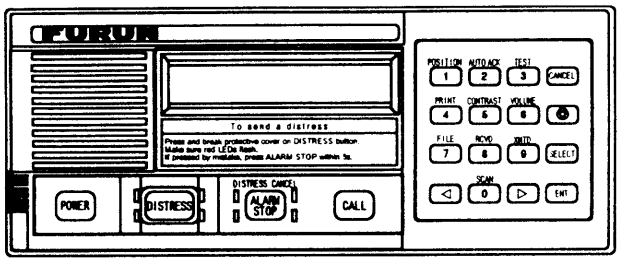
www.reelschematic.com

FURUNO

DSC-6/6A



*** Operator's Guide ***

(For detailed information, refer to Operator's Manual.)

Contents

Page

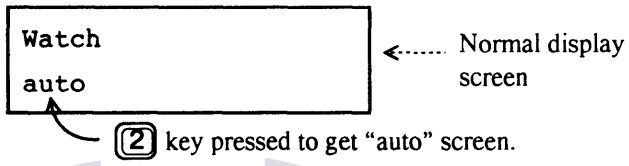
1. Basic Operation 1
2. Remote Function and Automatic Acknowledge (AUTO ACK) 3
3. Transmitting Distress Alert 4
4. Receiving Distress Alert from Other Ship 5
   (1) On MF Band
   (2) On HF Band
5. Transmitting Distress Relay Call on MF/HF 7
6. Preparing and Transmitting Messages 8
7. Receiving a Message 10
   (1) Receiving "All Ships Call"
   (2) Receiving "Individual Call"
8. Setting Up 11
   (1) Entering date, time
   (2) Setting the printer
   (3) Selecting monitor line
   (4) Setting receive alarms
   (5) Programming scan frequencies
9. Transmit and Receive Message Memory 14
10. Self-Test 15

www.reelschematic.com

1. Basic Operation

About the display

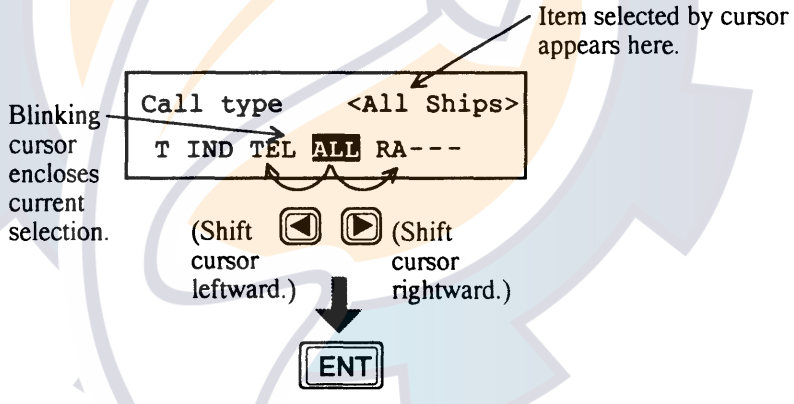
When the DSC-6/6A is turned on, the following display appears. This display is known as the "normal display."



Should you get lost in operation you can return to the normal display by pressing the CANCEL key several times.

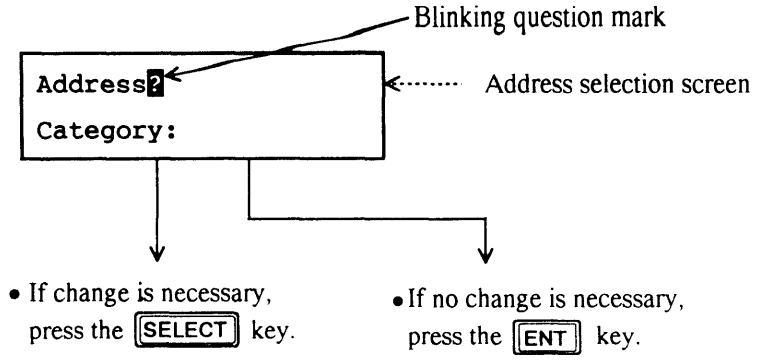
Selecting and registering items

The arrow keys (◀ and ▶) function to select items on the LCD. After selecting item, press the ENT key to register it.



When blinking question mark appears

Press the ENT or SELECT key depending on your desire.



www.reelschematic.com

Key	Function
DISTRESS	Transmits the distress alert. (Press and break the protective cover on this key.)
ALARM STOP	Silences the receive alarm. To stop repetitive alerts, press this key.
CALL	Transmits messages other than distress.
POSITION 1	Ship's position and time are shown while pressed and held down.
AUTO ACK 2	Turns transceiver remote and automatic transmission of acknowledge call (AUTO ACK) on or off. (Refer to page 3.) Note that distress alert cannot be automatically acknowledged by "auto acknowledge" function.
TEST 3	Conducts self-test. (Refer to page 15.)
PRINT 4	Printing. (This is also available for automatic setting of the printer.)
CONTRAST 5	Adjusts contrast of LCD in eight levels.
VOLUME 6	Adjusts volume of speaker in eight levels. (Distress and urgency alarms always sound at maximum volume.)
FILE 7	Retrieves files.
RCVD 8	Display contents of received messages (Storage capacity: 100 files, 50 each of distress and other). (Refer to page 14.)
XMTD 9	Displays contents of transmitted messages (Storage capacity: 50 files). (Refer to page 14.)
SCAN 0	Starts and stops frequency scanning. (Refer to page 13.) (If SSB frequency is set to 2182 kHz, scan function is not operated.)
☼	Adjusts illumination of LCD, switches and keys in four levels.
SELECT	• Displays "Set up menu" (Main menu). (Refer to page 11.) • Changes settings of items appearing with blinking question mark.

www.reelschematic.com

2. Remote Function and Automatic Acknowledge (AUTO ACK)

AUTO ACK

The auto acknowledge feature automatically transmits the acknowledge back (ACK BQ) signal when an individual call is received. With the auto acknowledge feature turned on the remote control function is also turned on.

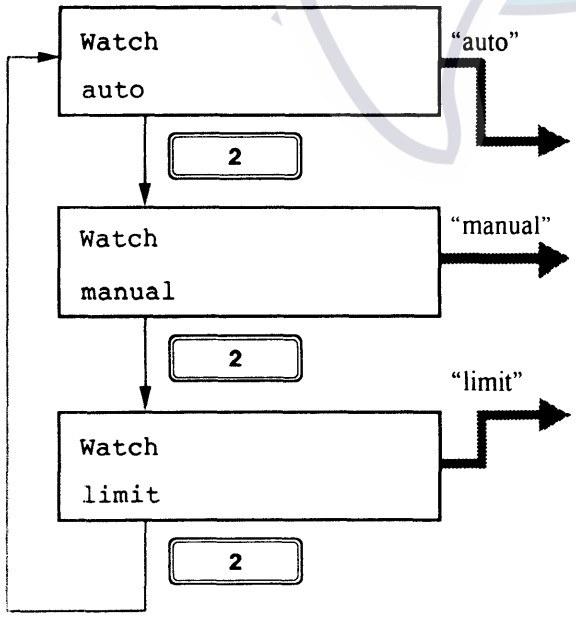
Remote control function

The remote control function lets the DSC-6/6A set DSC frequencies, working frequencies and class of emission for the radiotelephone.

Turning remote (& AUTO ACK) on/off

To enable or disable AUTO ACK and remote control, use the [2] key. Each press of the key enables/disables auto acknowledge and remote control function in the sequence shown below.

Note: *The AUTO ACK function is not available when receiving or relaying the distress alert, or ECC (Error Check Character) error is received. (ECC error appears at the end of a receive message when an error is detected in the message.)*



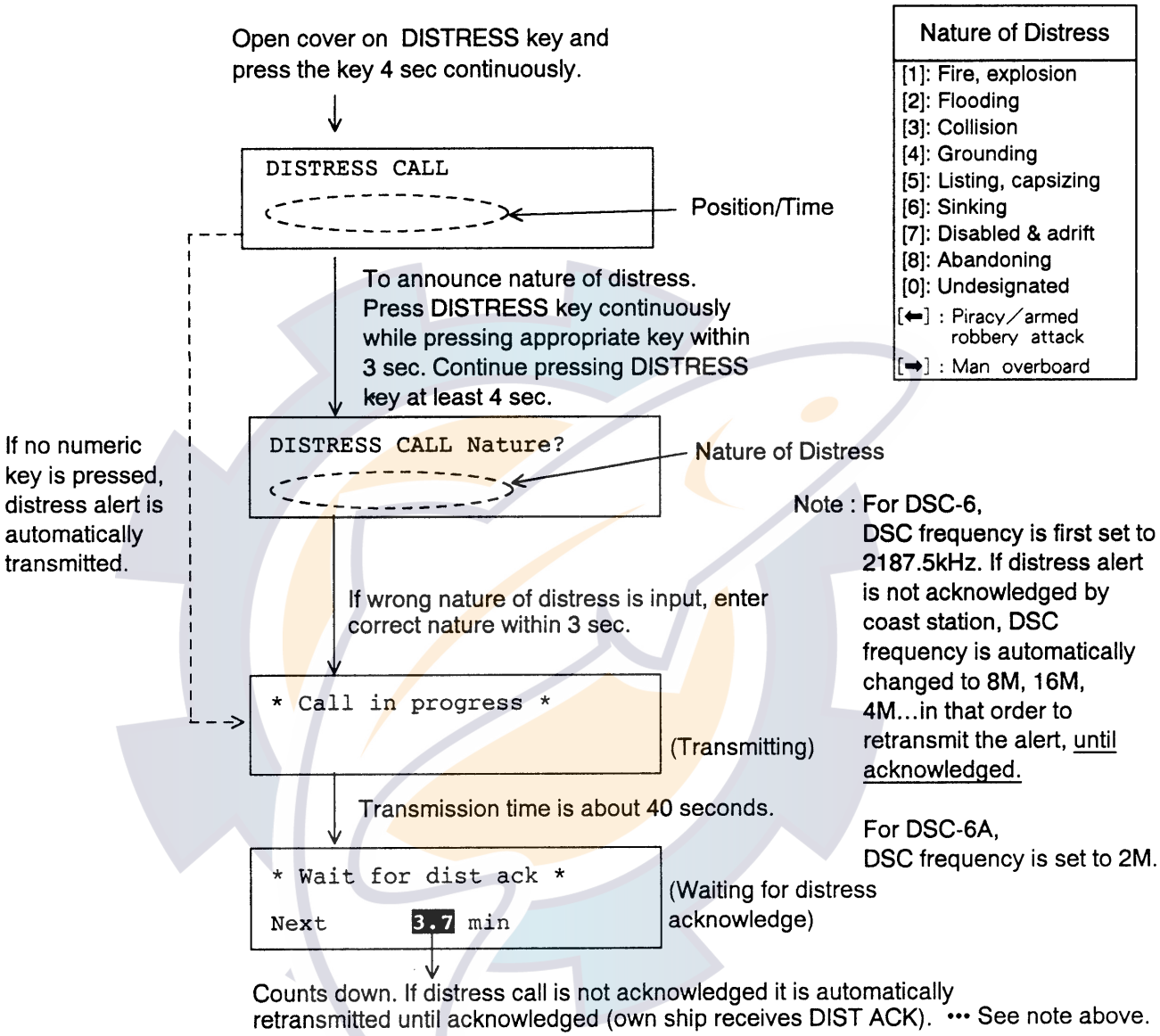
Automatic Acknowledge (For Ind. Call)	Remote Control Function	
	At transmission	At reception
ON	ON	ON
OFF	ON	OFF (Note 1)
OFF	ON	• When all ships call or calls relative to distress is received: ON • When calls other than the above is received: OFF

Note 1: When an all ships call is received, press [2] key to turn remote function on, causing working frequency to be automatically set at radiotelephone.

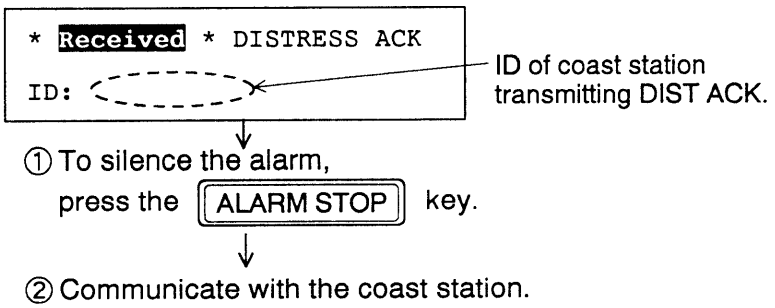
www.reelschematic.com

3. Transmitting Distress Alert

To transmit the distress alert, press the [DISTRESS] key.



When DIST ACK is received;

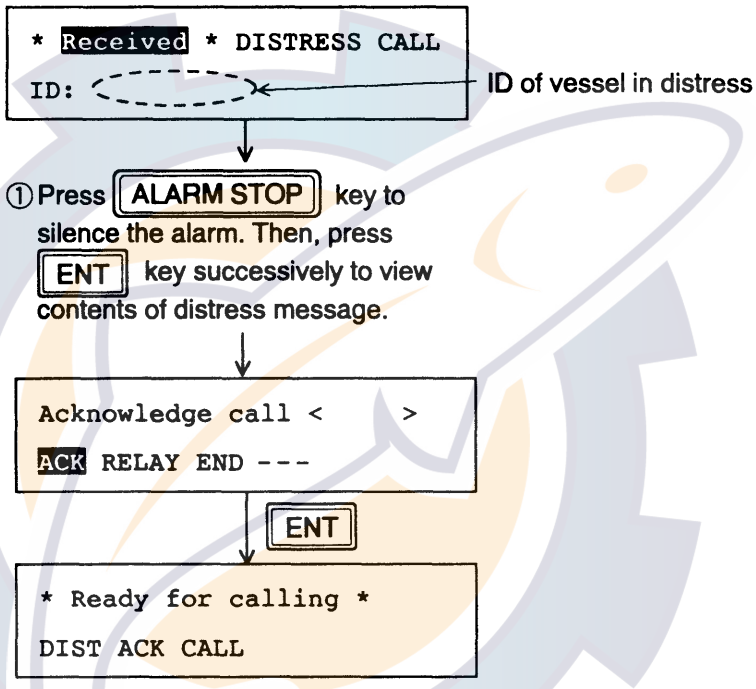


www.reelschematic.com

4. Receiving Distress Alert from Other Ship

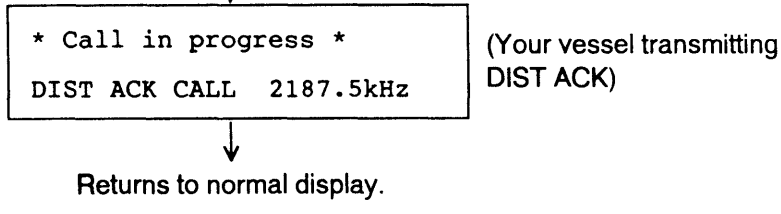
When the DSC terminal receives a distress alert from other vessel it sounds the distress alarm. Silence the alarm by pressing the [ALARM STOP] key. Wait up to three minutes to receive the DIST ACK signal from a coast station.

(1) On MF Band



Transmitting DIST ACK

② If you do not receive DIST ACK from coast station within three minutes and your vessel meets requirements (see page 5-2 in the Operator's Manual) for transmitting DIST ACK, transmit it by pressing the [CALL] key.



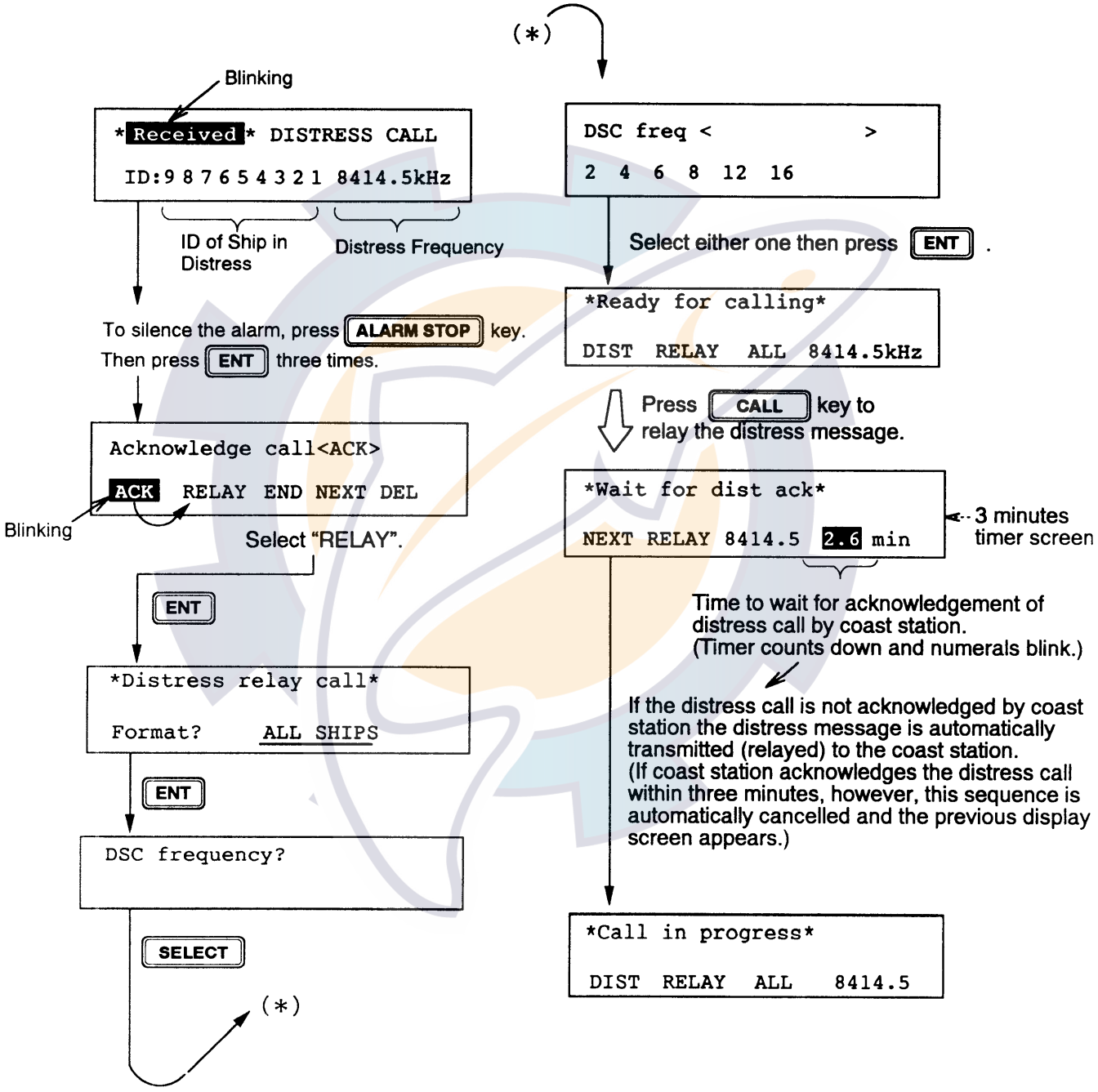
Returns to normal display.

③ Begin search and rescue operations for the vessel in distress, communicating with the vessel over 2182kHz (automatically set). Relay distress alert to coast station on HF band. Finally, follow instructions of the coast station.

www.reelschematic.com

(2) On HF Band

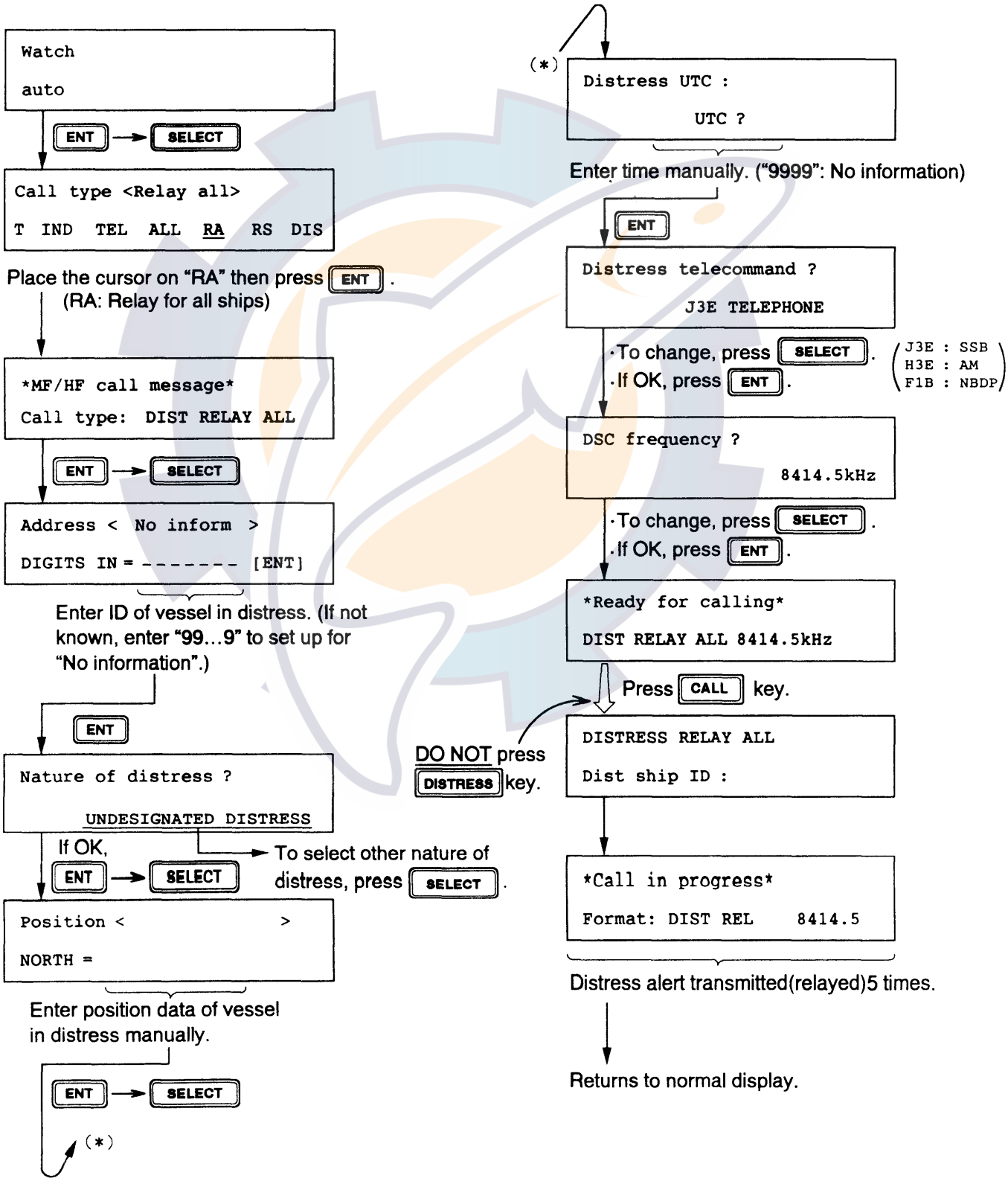
When you receive the distress alert the audible alarm sounds and the DISTRESS CALL screen appears. If the call is not acknowledged by a coast station **within 3 min**. relay it (to a coast station) as follows.



www.reelschematic.com

5. Transmitting Distress Relay Call on MF/HF

If a vessel in distress is obviously near your ship and is not able to transmit the distress alert by itself, you can relay (transmit) the alert on behalf of the vessel in distress.



www.reelschematic.com

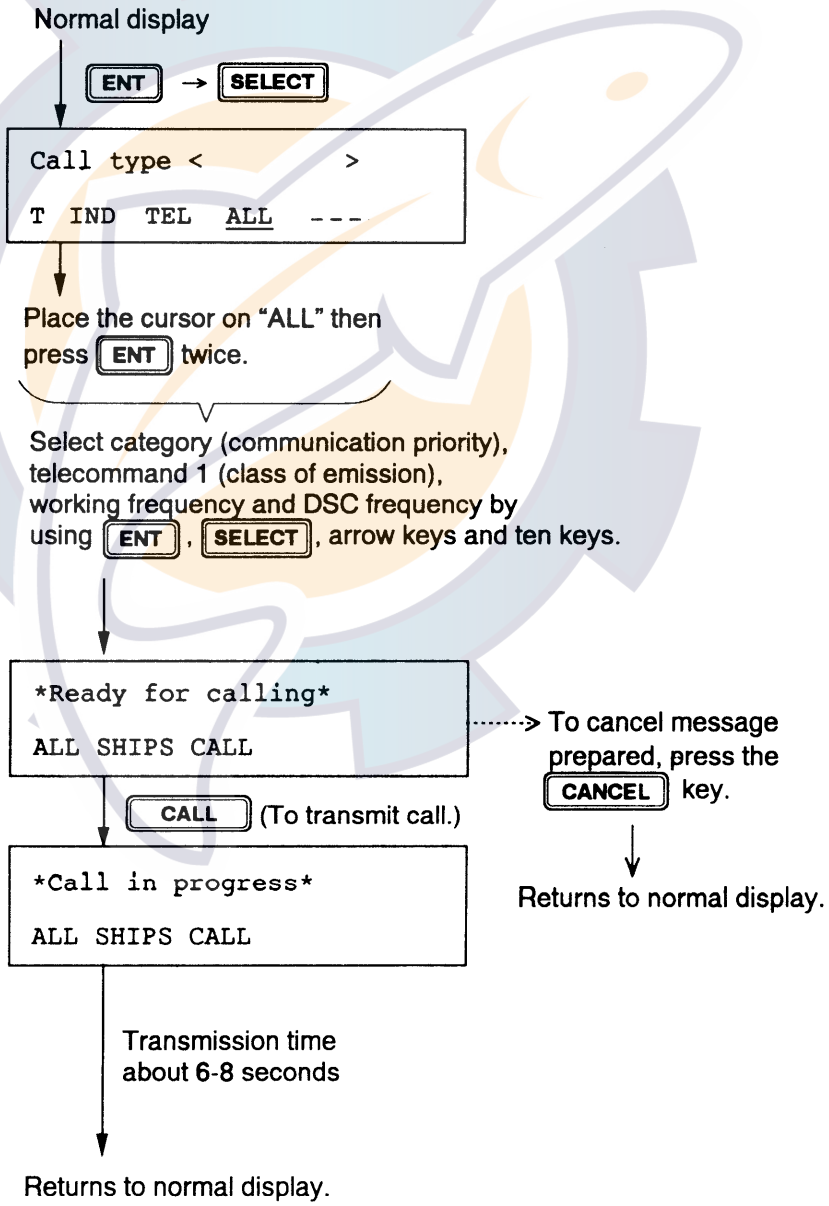
6. Preparing and Transmitting Messages

There are two methods by which you can prepare and transmit messages, and they are shown below.

Preparing message for immediate transmission

Prepare message and then transmit it.

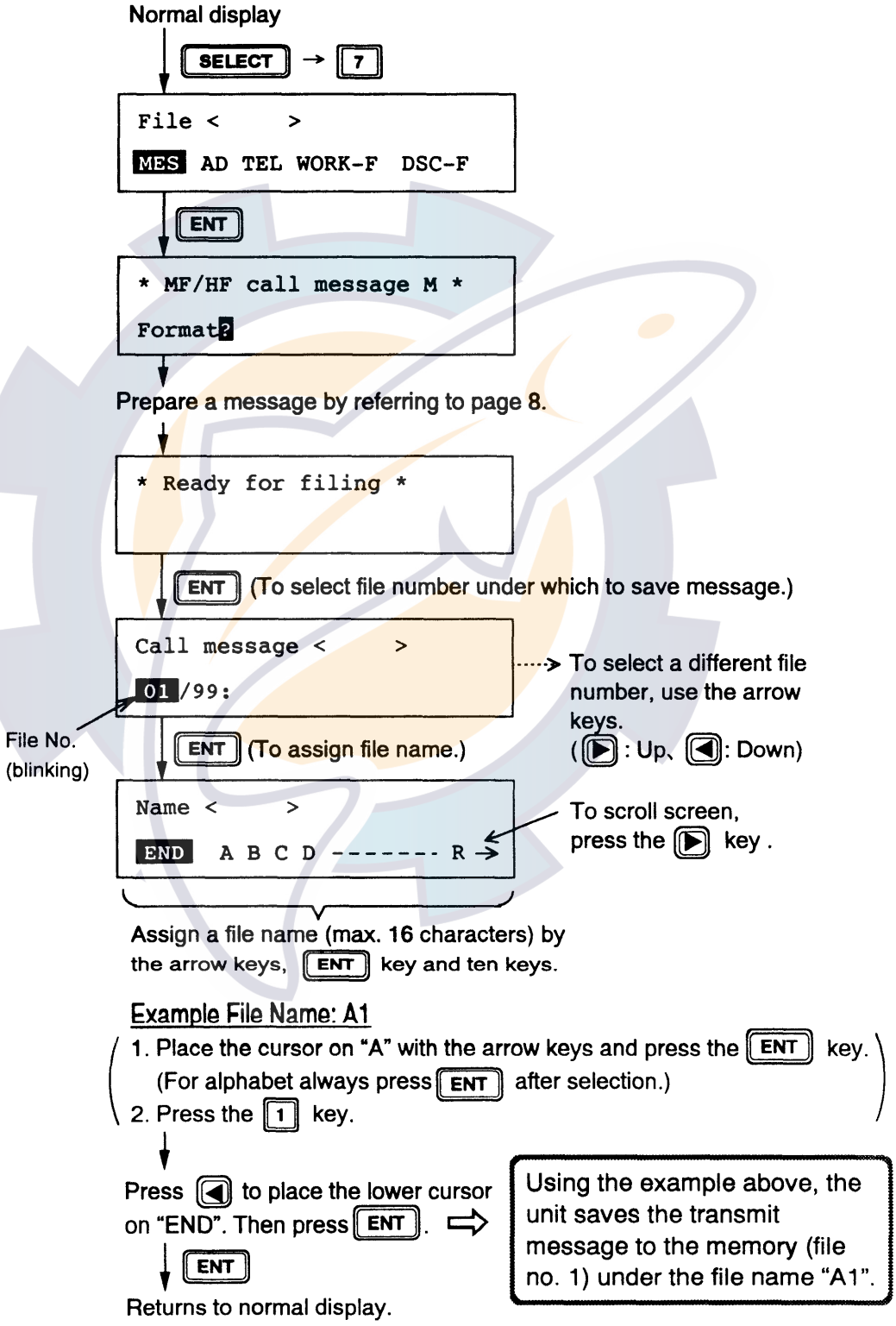
(ex.) All ships call



www.reelschematic.com

Preparing and storing message for later transmission

Prepare messages excluding distress message and save them to the memory (Maximum 99 files). You may retrieve and transmit a memory-stored message as follows.



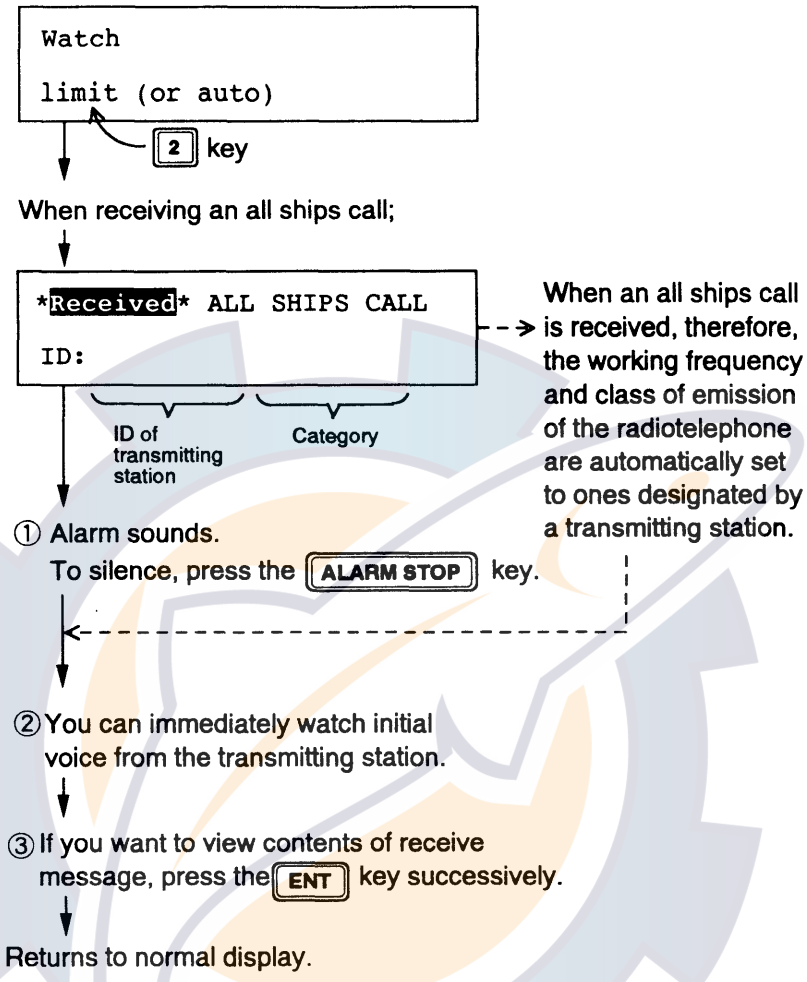
Transmitting a file (at normal display)

7 (FILE) → (Enter file no.) → CALL

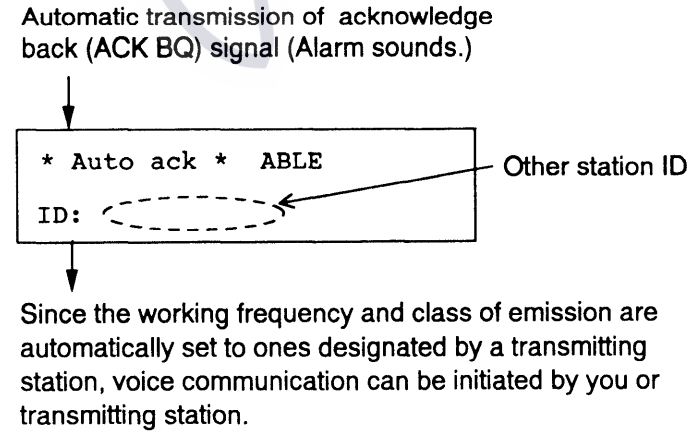
www.reelschematic.com

7. Receiving a Message

(1) Receiving "All Ships Call"



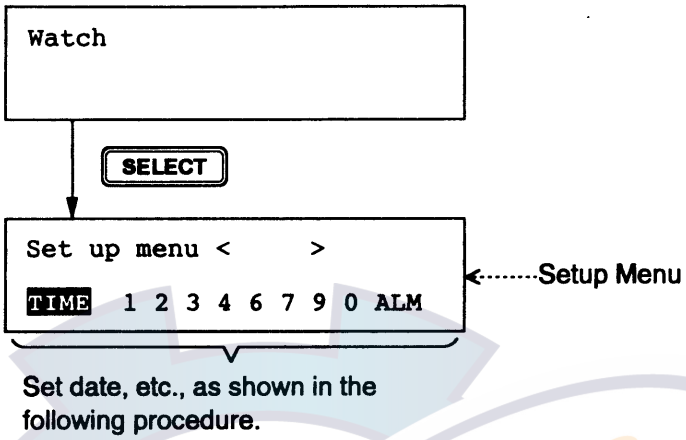
(2) Receiving "Individual Call" (Auto Ack: ON, Comply status: ABLE)



www.reelschematic.com

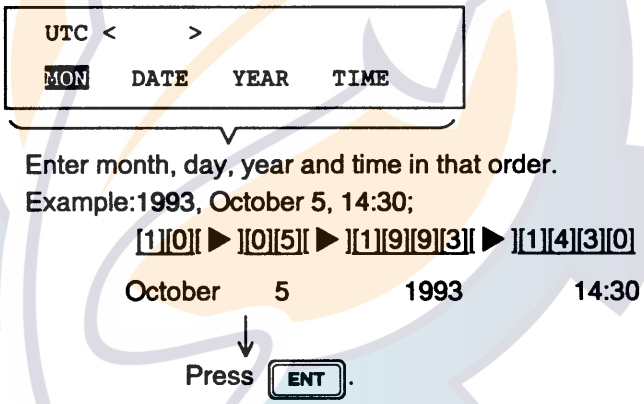
8. Setting Up

The Setup menu appears by pressing the SELECT key at the normal display.



(1) Entering date, time

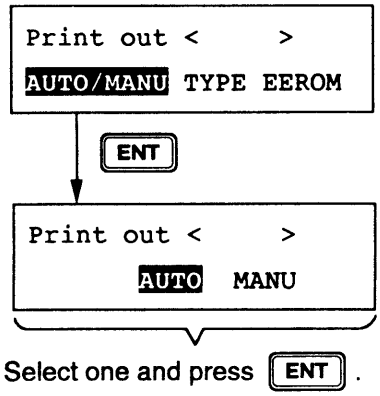
Select "TIME".



(2) Setting the printer

Select "**4**".

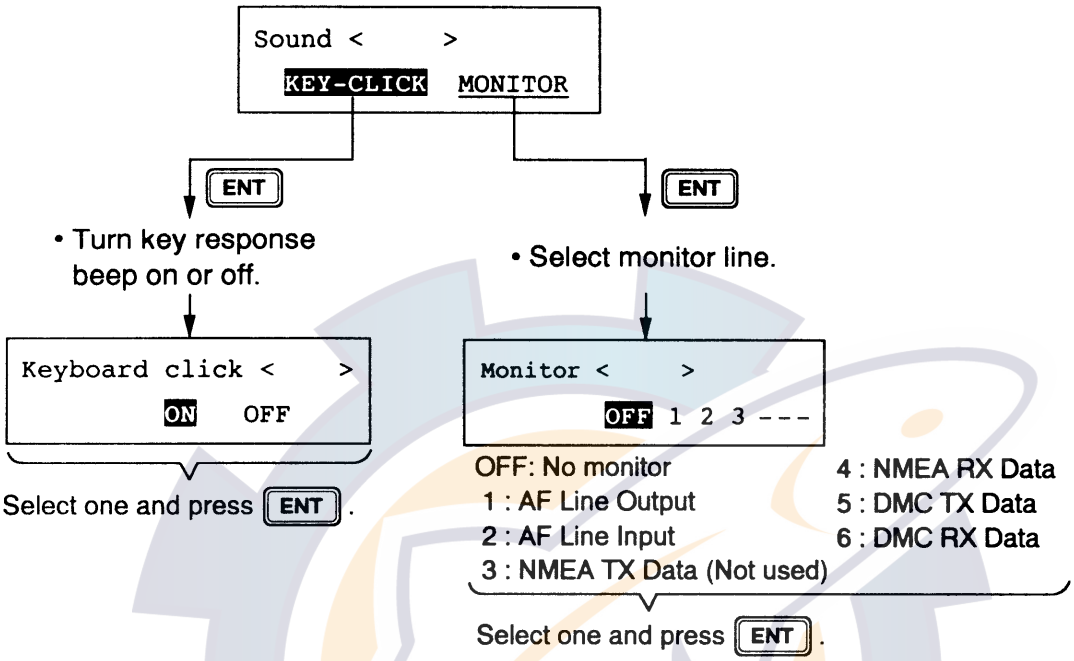
Then, select whether you want automatic or manual printing.



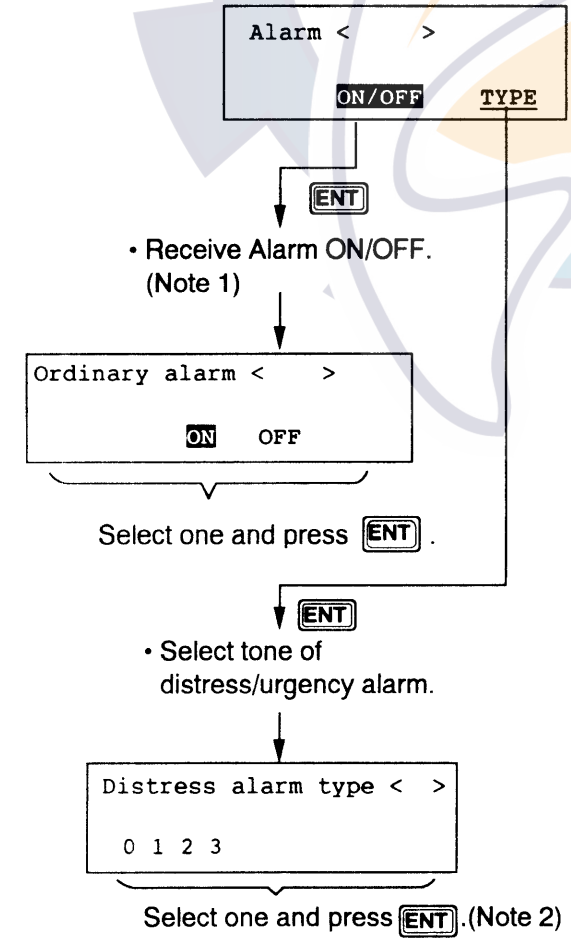
www.reelschematic.com

(3) Selecting monitor line

Select "**6**". You can turn key response beep on or off, and select which line to monitor (by aural tone).



(4) Setting receive alarms



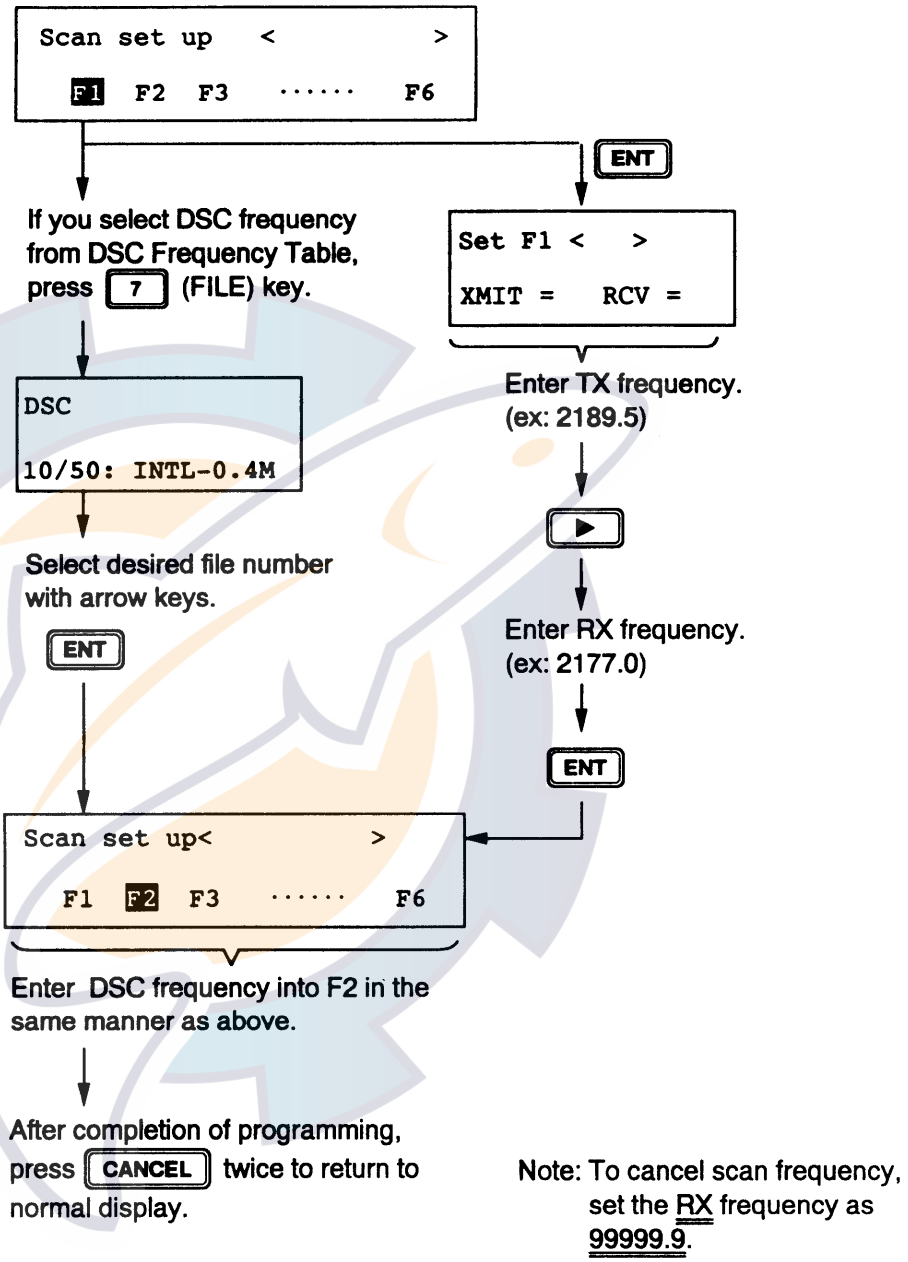
Note 1: Distress/urgency alarm always sounds at maximum volume.
Note 2: The tone specifications of the distress/ urgency alarm are as follows.

Key to press	Tone Specifications	
	Frequency (Hz)	Interval (ms)
0	2200	Continuous
1	1300 and 2200	250
2	1300 and 2200	125
3	3290	Continuous
4	1945 and 3290	250
5	1945 and 3290	125
6	1100	Continuous
7	650 and 1100	250
8	650 and 1100	125
9	2200 and 0	250

www.reelschematic.com

(5) Programming scan frequencies

Select "**0**". Six general DSC frequencies (F1 to F6) can be programmed.



Note: To cancel scan frequency, set the RX frequency as 99999.9.

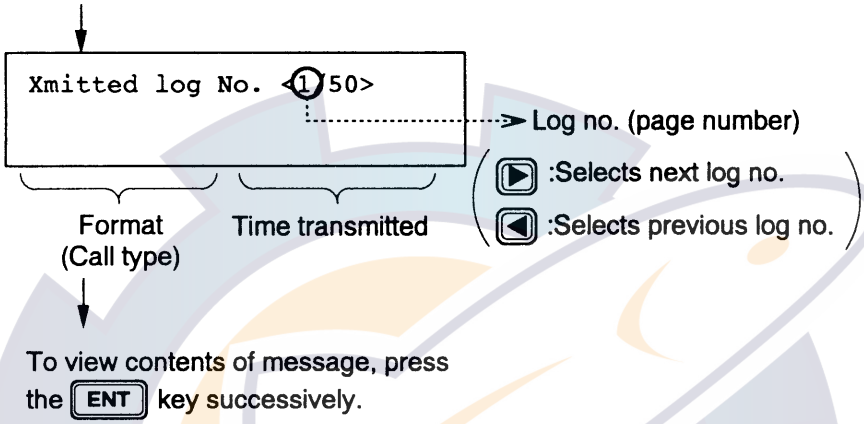
www.reelschematic.com

9. Transmit and Receive Message Memory

All transmitted and received messages are automatically saved to the memory.

Retrieving a transmit message (Memory Capacity: 50 messages)

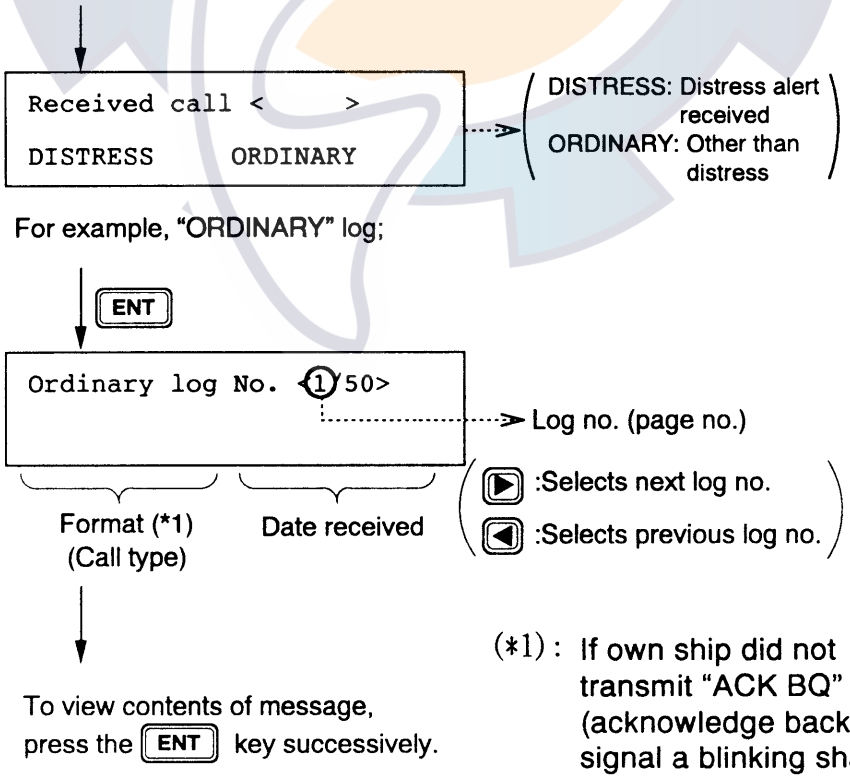
Press the [9] (XMTD) key at the normal display.



Retrieving a receive message

(Memory Capacity: 50 for distress, 50 for other than distress)

Press the [8] (RCVD) key at normal display.

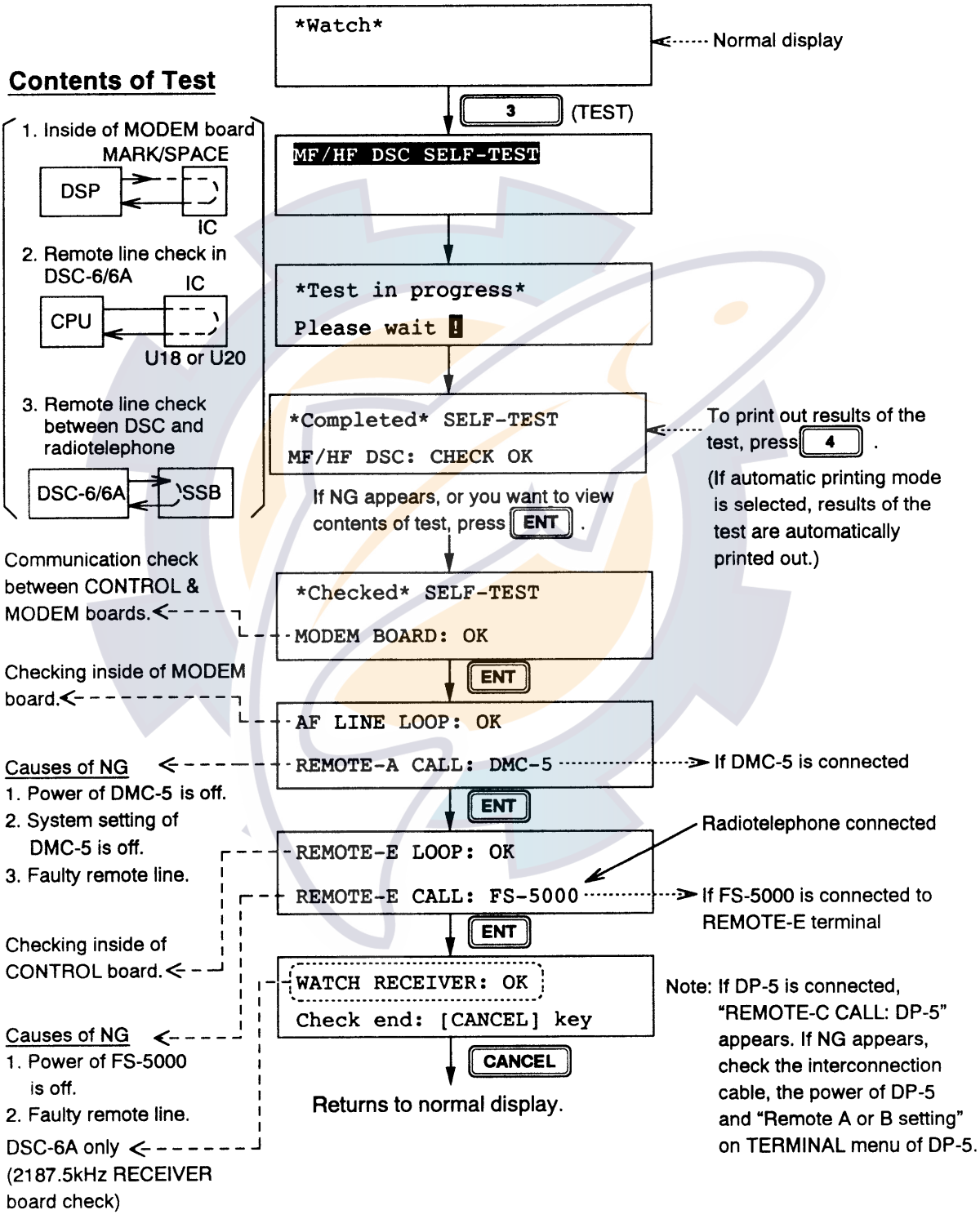


(*1) : If own ship did not transmit "ACK BQ" (acknowledge back) signal a blinking sharp symbol (#) appears at head of Format.

www.reelschematic.com

10. Self-Test

Press the [3] key at the normal display. **(Set the frequency of radiotelephone other than 2182 kHz.)**



PUB.NO.OSE-55870-B
(9903,TATA) DSC-6/6A