

INMARSAT-C JUE-87 Common Use type Option Operation Guide



1. Screen Display

When common use connection of Remote Distress Button, Security Button and/or Distress Message Controller is setup, Button Test Mode of the another JUE-87 is displayed on the upper right of a main screen.

(1) Connect

It is correctly connected between JUE-87 terminals. And it can be communicating.
Another JUE-87 is not Button Test Mode.

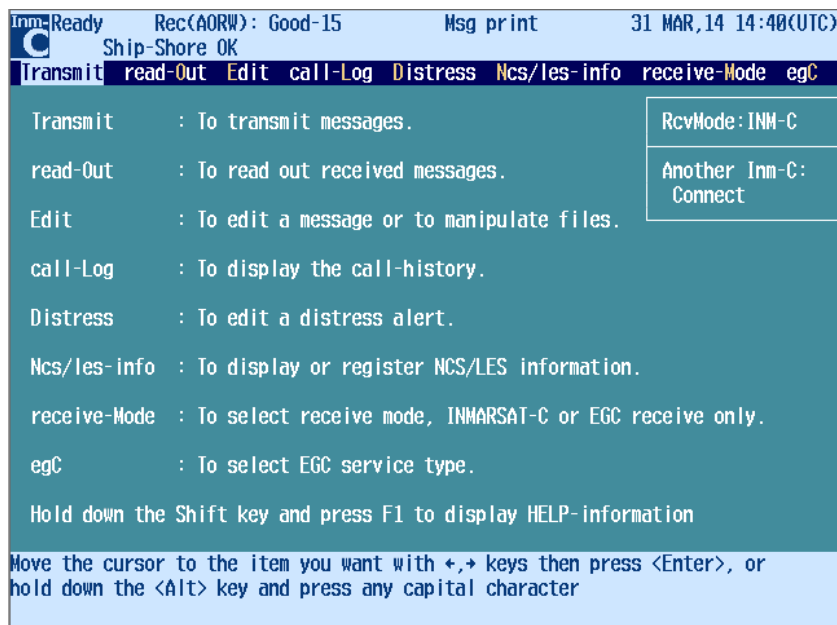


Fig. -1 Main screen - Connection normalcy between JUE-87 terminals

(2) Disconnect

The power supply of another JUE-87 is OFF.

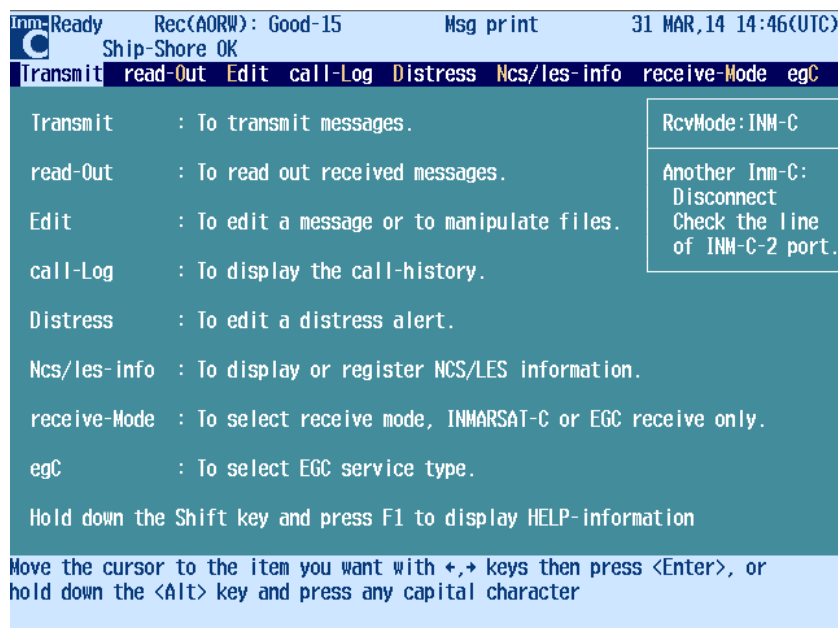


Fig. -2 Main screen - Connection abnormality between JUE-87 terminals

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(3) DB Test Mode

It is correctly connected between JUE-87 terminals. And it can be communicating.
Another INM-C is Distress Button Test Mode.

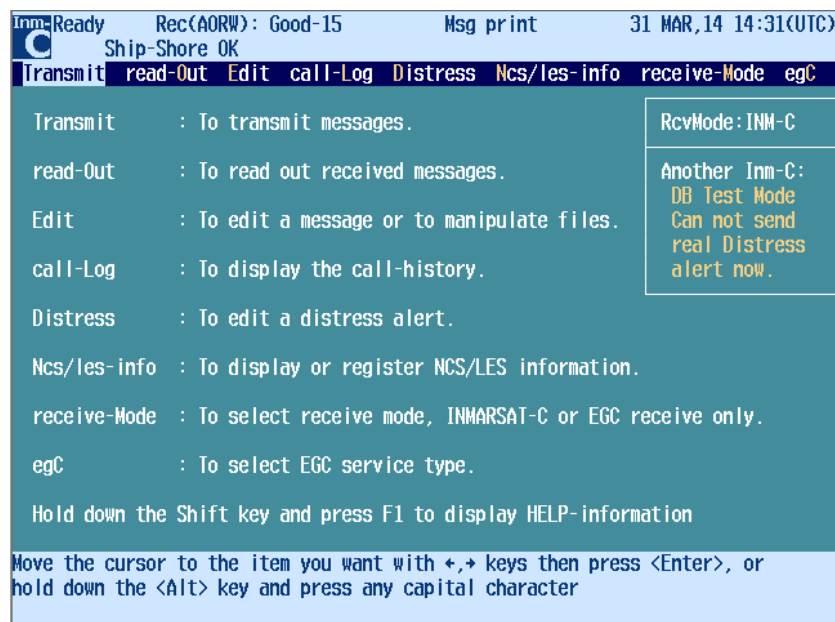


Fig. -3 Main screen - Another JUE-87 is Distress Button Test Mode

(4) SB Test Mode

It is correctly connected between JUE-87 terminals. And it can be communicating.
Another JUE-87 is Security Button Test Mode.

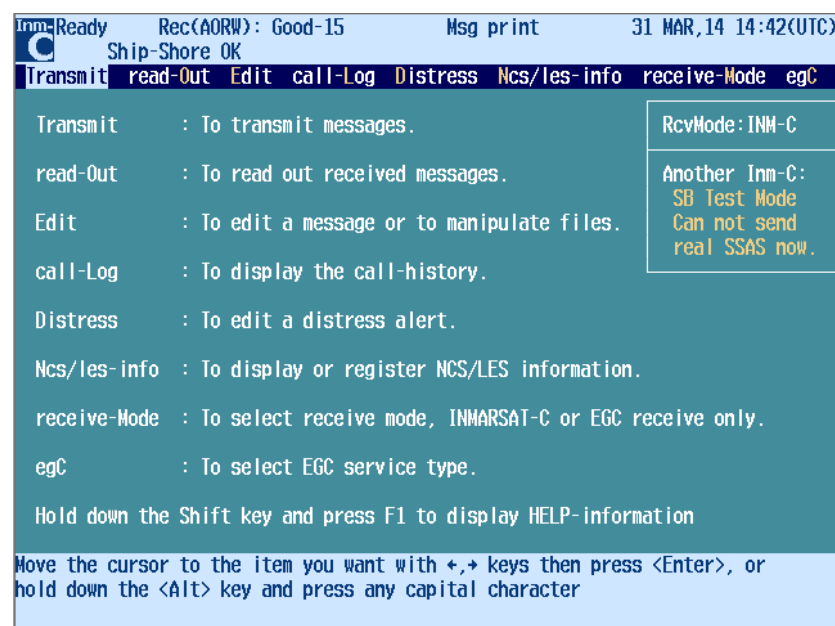


Fig. -4 Main screen - Another JUE-87 is Security Button Test Mode

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If two JUE-87 terminals differ in Test Mode, Remote Distress Button, Security Button and Distress Message Controller of common use connection is operated as shown in the following Table-1.

Table-1 Restriction of operation^{*}

* Normal is in the state which is not DB/SB Test Mode.

◎ : With no restriction	Real Distress Alert or Real Security Message is sent.
○ : With no restriction	Distress Button test or Security Button test is carried out.
× : With restriction	Real Distress Alert or SSAS Message not be sent. And Distress Button test or Security Button test not be carried out.

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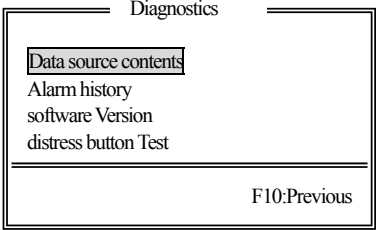
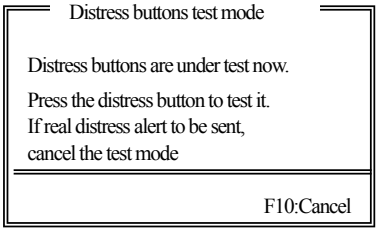
3. Button Test

(1) Distress Button Test

Checking cable connections of distress button uses the test function for Distress button from normal mode. The Distress button test can be demonstrated the procedure of a distress alert transmission even if the JUE-87 is not synchronized to satellite.

NOTE

In order to prevent miss-transmission of Distress Alert, please be sure to check that a terminal is Distress Button Test Mode. Especially when you use common RDB, please be sure to check that both of terminals are Distress Button Test Mode.

Step	Operation	IME/DTE Response
1	Hold down Alt key and press A key on Main Menu.	“Diagnostics” window is displayed. 
2	Move the cursor to “distress button Test” and press Enter key.	“Distress Button test mode” window is displayed. 
3	- When the distress button is tested, press the distress button till the buzzer sounds for about 5 seconds or more. - When the distress button test is terminated, press F10 (“Cancel”) key.	The buzzer in DTE and IME is sounding 0.5 sec on, 1.0 sec off. Then, “SOS” is displayed at the first line of DTE.
4	(It passes 5 sec after pressing the distress	The buzzer in DTE and IME is sounding 0.5 sec

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	button.)	ON, 0.5 sec OFF. - The “Distress” lamp on IME is blinking 0.5 sec ON, 0.5 sec OFF. “Distress Button Test” window is displayed. --- Distress Button Test --- Now distress button testing--- If real distress alert to be sent, cancel the test mode.
5	(Start the distress test)	- The buzzer in DTE and IME are sounding 5 sec continuously. - The “DISTRESS” lamp on IME is illuminating 5 sec. - When the distress button is tested completely, the following window is displayed. --- Distress Button Test --- Distress button test succeeded. If real distress alert to be sent, cancel the test mode. F10: Previous
6	To return to Main menu, press F10 (“Previous”) key.	Main menu is displayed.

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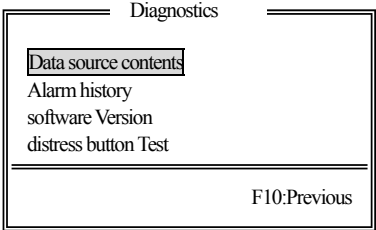
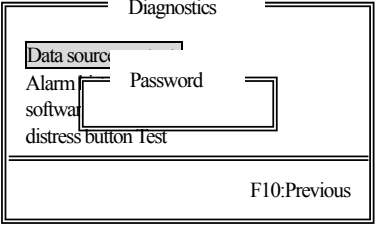
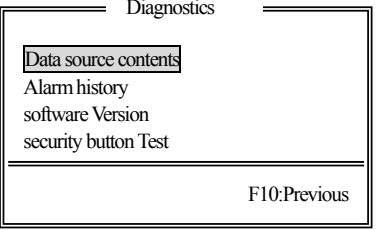


(2) Security Button Test

Checking cable connections of security button uses the test function for Security button from normal mode. The Security button test can be demonstrated the procedure of a security alert transmission even if the JUE-87 is not synchronized to satellite.

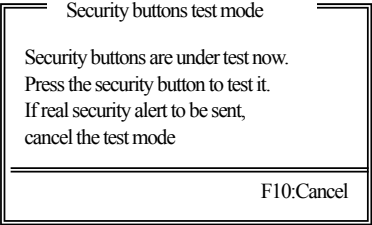
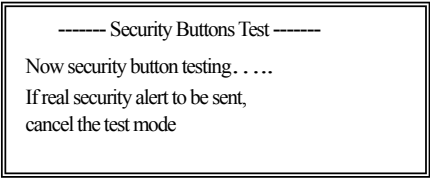
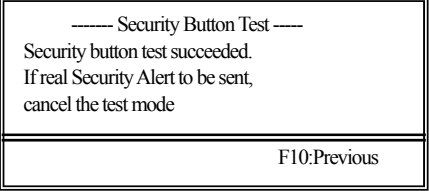
NOTE

In order to prevent miss-transmission of Security Alert, please be sure to check that a terminal is Security Button Test Mode. Especially when you use common SB, please be sure to check that both of terminals are Security Button Test Mode.

Step	Operation	IME/DTE Response
1	Hold down Alt key and press A key on Main Menu.	“Diagnostics” window is displayed. 
2	Hold down Ctrl key and press F10 key	“Password” window is displayed. 
3	Enter the password.	“security button Test” menu item is displayed in “Diagnostics” window. 

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4	Move the cursor to “security button Test” and press Enter key.	“Security Button test mode” window is displayed. 
5	Open the hinged cover of the Security Alert Button and push it.	“Security Button test” window is displayed. 
6	(It passes 30 sec after pressing the security button.)	When the distress button is tested completely, the following window is displayed. 
7	To return to Main menu, press F10 (“Previous”) key.	Main menu is displayed.

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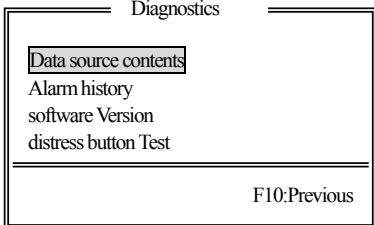
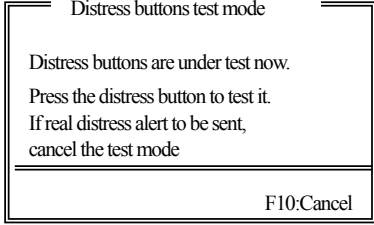
(3)DMC Distress Button Test

Checking cable connections of DMC uses the test function for Distress button from normal mode.

The DMC test can be demonstrated the procedure of a distress alert transmission even if the JUE-87 is not synchronized to satellite. In this test mode, any signals are not transmitted.

NOTE

In order to prevent miss-transmission of Distress Alert, please be sure to check that a terminal is Distress Button Test Mode. Especially when you use common DMC please be sure to check that both of terminals are Distress Button Test Mode.

Step	Operations	IME/DTE/DMC (example)
1	Hold down Alt key and press A key on Main Menu.	"Diagnostics" window is displayed. 
2	Move the cursor to "distress button Test" and press Enter key.	"Distress buttons test mode" window is displayed. 
3	- Press DMC SES button. Then DMC SES button is lighted. - Press Distress button. - When the distress button test is terminated, press F10 ("Cancel") key.	- The buzzer in DTE and IME is sounding 0.5 sec on, 1.0 sec off. Then, "SOS" is displayed at the first line of DTE - DMC sounds intermittently.

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4	(It passes 5 sec after pressing the distress button.)	- The buzzer in IME is sounding 0.5 sec ON, 0.5 sec OFF. - The “Distress” lamp on IME is blinking 0.5 sec ON, 0.5 sec OFF. “Distress Button Test” window is displayed. --- Distress Button Test --- Now distress button testing--- If real distress alert to be sent, cancel the test mode. - DMC sounds continuously.
5	(Start the distress test)	- The buzzers in DTE and IME are sounding 5 sec continuously. - The “DISTRESS” lamp on IME is illuminating 5 sec. --- Distress Button Test --- Distress button test succeeded. If real distress alert to be sent, cancel the test mode. F10: Previous
6	To return to Main menu, press F10 (“Previous”) key.	Main menu is displayed.

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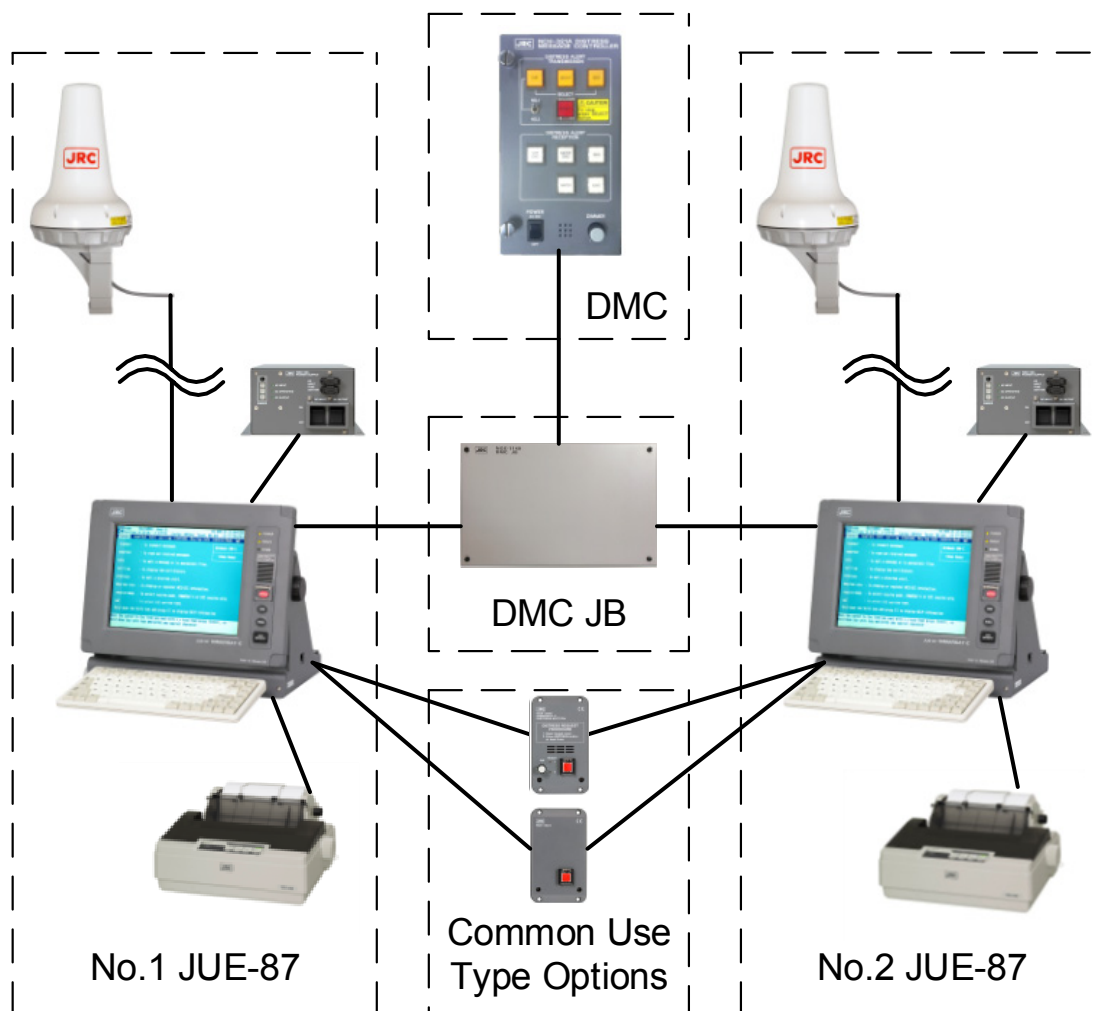


Fig. -5 Schematic diagram of common use type option

