

# **RC15xx**

## **EQUIPMENT INSTALLATION**

**FS-5000** (Refer to Operator's and Installation Manual, FS-5000)

### **Transceiver Unit**

1. Mount the Transceiver Unit. Leave at least 25mm space behind the transceiver. This will allow access for service (see Pgs 3-10 and 3-11 of the Installation Manual).
2. Remove the front cover. The cables should feed into the transceiver by way of the cable entry located on the bottom of the transceiver.
3. The power is fed to the transceiver from TB2 and TB3 in the console or from a separate power supply. This unit draws a peak current of 60A. Make sure to use appropriate cabling for the power feed (see Pg 3-12a of the Installation Manual). These power connections will connect to TB1 (Positive) and TB2 (Negative) on the Transceiver Interface Board.
4. Loosen the two screws holding the cable clamp. Install a 50mm width copper strap between the cable holder and the ship's hull or ground system (see Pg 3-13 of the Installation Manual).
5. Leave the transceiver covers open. There are more connections to be made as the installation progresses.

### **Control Unit**

1. Mount the Control Unit as close as possible to the console. Use of the optional Trunnion Mount (005-931-760) is recommended (see Pgs 3-6, 3-7 and AP2-1 of the Installation Manual).
2. Disassemble the control unit.
3. Attach one end of the control cable (000-106-043) to TB1(MAIN) in the control unit. The loose end will be connected to the transceiver later in the installation.
4. Attach the loose RCC-15D-206 supplied with the console from DP-6 Remote A to REM2 port in the control unit.
5. Attach the flying leads, from the RCC-15D-206 cable connected to the AA-50, to the REM1 port in the control unit (see RC1540 Detailed Interconnect Drawing and Pg S-2 of the Installation Manual).
6. Mount the handset hanger and connect to the HANDSET port on the control unit.

# RC15xx

## EQUIPMENT INSTALLATION

### **FS-5000** (Continued)

#### **Control Unit**

7. Reassemble the control unit and attach to the mounting bracket.

#### **Antenna**

1. The antenna is to be provided by the Dealer. This antenna should be 7 to 30 meters in length and be mounted as clear of obstructions as possible. When considering the mounting location of the antenna, be sure to allow space for mounting the antenna coupler.

#### **Antenna Coupler** (AT-5000)

1. Mount the antenna coupler as close to the antenna as possible. The provided coupler can be mounted horizontally or vertically depending on the location (see Pgs 3-14 through 3-18 of the Installation Manual).
2. Connect the antenna wire from the antenna to the insulator at the top of the coupler. Keeping the length as short as possible.
3. Fasten the supplied ground strap to the connection provided at the base of the antenna coupler. Make certain this connection is brazed or welded to the ship's hull or ground system. The exposed ground strap should be painted or coated with a material to prevent rust.
4. Remove antenna coupler top housing by removing the 12 housing screws.
5. Install the supplied control cable (000-106-043) from the antenna coupler to the transceiver. Attach to TB-3 on the Coupler Board and TB-8 on the Transceiver Interface Board (see Pgs 3-17 and 3-13 of the Installation Manual).
6. Install two RF cables (RG8 or equivalent, not supplied) from the antenna coupler to the transceiver unit. The first cable is the receive cable and will connect to the RX ANT port in the transceiver and to TB1 on the BK RELAY in the antenna coupler. The second cable is the transmit cable and will connect to the TX ANT port in the transceiver and to TB1, TX ANT on the antenna coupler board.
7. Reinstall antenna coupler housing using only a couple of the provided screws. This will allow easier access when testing the unit later in the install.

#### **Transceiver Unit**

1. Fasten cable clamps. Do not install covers until testing is completed.