

REPLACING THE RIH3000R WITH A SPARE

A step-by-step procedure for swapping a Fleetwatch RIH 3000R Remote Island Head for a spare unit at the JB20 junction box.

EQUIPMENT	JUNCTION BOX	STEPS	EST. TIME
RIH 3000R	JB20	8	15-20 min



FIG 01 – FLEETWATCH RIH 3000R

WHAT YOU'RE REPLACING

The RIH 3000R is the keypad/display unit that talks to the Fleetwatch server. If it fails, it is swapped for a spare unit mounted at the same stand or wall bracket — no rewiring required, just three military connectors and four mounting nuts.

BEFORE YOU BEGIN De-energize the RIH before disconnecting anything. Step 1 walks you through locking out power at breaker **CB1** inside the JB20 junction box — do not skip it, and do not force any connector.

PROCEDURE AT A GLANCE

PHASE 1 • STEPS 1-4 POWER DOWN & REMOVE Lock out power at CB1, disconnect the old RIH, and free it from its mount.	PHASE 2 • STEPS 5-6 INSTALL & POWER UP Mount the spare, reconnect it, and restore power at CB1.	PHASE 3 • STEPS 7-8 INITIALIZE & VERIFY Key-switch reset, press RESET, and confirm the unit is talking to the server.
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PHASE 1 — POWER DOWN & REMOVE

1

LOCK OUT POWER AT THE JUNCTION BOX

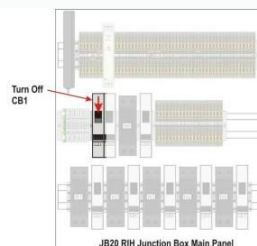
Unlock the JB20 junction box and turn off power to the RIH by switching breaker **CB1** to the OFF position. Confirm the unit is fully de-energized before continuing.

FIG 02



Fleetwatch JB20 junction box.

FIG 03



Turn CB1 off on the JB20 main panel.

2

DISCONNECT THE MILITARY CONNECTORS

Unscrew the three military connectors from the back of the RIH.

3

FREE THE UNIT FROM ITS MOUNT

Remove the four nuts holding the RIH to its stand or wall bracket.

4

MOUNT THE SPARE

Mount the spare RIH to the same bracket or stand.

PHASE 2 — INSTALL & POWER UP

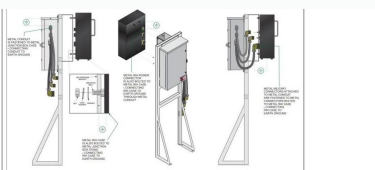
5

RECONNECT THE MILITARY CONNECTORS

Reconnect the three military connectors to the new RIH.

Hand-tighten the connectors. Do not overtighten — overtightening can damage the connectors.

FIG 04



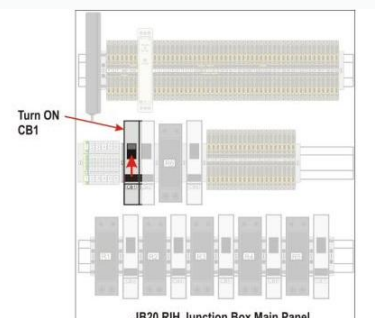
Earth-ground path: the metal RIH case, conduit, and connectors all bond together through the stand or wall bracket — keep these metal-to-metal connections clean and secure.

6

RESTORE POWER

Turn power back on to the RIH using breaker **CB1**.

FIG 05



Turn CB1 back on at the JB20 main panel.

PHASE 3 — INITIALIZE & VERIFY

7

RESET WITH THE AUTO/MANUAL KEY

Using the Auto/Manual key, perform a reset by turning the Start key switch to the right, then let it spring back to the normal position. This tells the RIH to talk to the server and brings up the correct prompts. If needed, call S&A Systems to initialize the RIH remotely.

FIG 06



Turn the key switch to initialize the RIH and display the correct prompts.

8

PRESS RESET

Press **RESET** on the keypad to complete the process and confirm the correct prompts are displayed.

FIG 07



Press RESET on the keypad to finish.

NEED A HAND?

For system validation, or if anything doesn't look right after Step 8, call S&A Systems, Inc.

(972) 722-1009 x32

ASK FOR SYSTEM VALIDATION