

## ***ErgoReJoy***<sup>™</sup> Modular **ERG**Onomic **RE**positioning **JOY**stick Platform **Installation Instructions**

The *ErgoReJoy* assessment kits are shipped in a custom box with each component labeled with part numbers to facilitate installation. We recommend storing the 5" and 8" adjustable arms; double ball adaptor; and *JoyPad*<sup>™</sup> with 3" extension arm in the sample case until required for use during the assessment.

- I. Install socket brackets (30380) (with pre-installed sockets (30200)) to PWC armrest using the Stealth universal round tube mounting brackets (refer to figure 1). If the Stealth brackets are not compatible with the PWC armrests, please call 1-800-324-1527 ext 2946.
- II. Insert mini mast (30226) in socket (30200) (refer to figure 2).
- III. Install PWC joystick to *ErgoReJoy* platform (37200). Before removing joystick from PWC, photograph a side view in its standard armrest position.
  - A. Remove joystick harness from controller joystick port located on the PWC base noting its location (refer to figure 3)
  - B. Remove joystick and joystick mounting bracket from PWC.
  - C. RNet joysticks have two different joystick cable configurations (refer to figures 4 & 5).
    1. If the RNet joystick has a removable harness like figure 4, install the Active Controls joystick harness (30449) in place of the original harness
      - a. Route the 30449 cable through the long slot of the *ErgoReJoy* platform (37200)
    2. If the RNet joystick has a fixed harness (refer to figure 5), route the harness through the long slot of the joystick platform (37200)
  - D. Install RNet joysticks with fixed harnesses and VR2 joysticks with 2 M-5 screws in the front two holes which are 1-9/16" apart (see figure 6) to platform (37200)
  - E. Install RNet joysticks with removable harness in the two rear holes which are 1 9/16" apart (see figure 6)
  - F. Install Q-Logic 1, 2 or 3, NE+, Shark joysticks with two M-5 screws using the 2 holes which are 1-3/16" apart (refer to figures 6 & 7)
  - G. Install LiNX joystick by installing the LiNX mounting bracket to the top of the *ErgoReJoy* platform using the two holes shown in figure 6. Mount LiNX joystick to LiNX mounting plate. Position housing of joystick at least 1/4" from the two 1" balls on top of the *ErgoReJoy* joystick platform and use the 2 M5 screws to install the joystick (see figures 8 & 9).
- IV. Coil the joystick cable tightly and secure it under the platform using the cable holders attached. Leave approximately 3" of cable to connect to the joystick connection harness in the next step (refer to figure 10).

V. Install joystick specific harnesses to joystick and connect to mini-mast harness (30826). Use the cable holders under the platform if needed to secure excess cable length. The mini-mast connection harnesses for each joystick are as follows:

- A. RNet fixed cable joysticks connect to RNET 7" Extension harness. Connect 7" ext. to 30405 mast connection harness. Connect 30405 to 30826 mini-mast harness (figure 11)
- B. Q-Logic 1 & 2, NE+ (no mast harness required)
- C. Q-Logic 3 (30466) (figure 12)
- D. VR2 (30402) (figure 13)
- E. Lynx (37443) (figure 14)

VI. Install Active Controls extension harness (30411) to each socket(s) harness (30829) (figure 15).

- A. Assessment kits include two or more sockets and require attaching each extension harness (30411) to the multiple socket harness (30410).
- B. For single socket installations, install (30411) to socket harness (30829)

VII. Attach joystick connection harness and extension harness into the controller's joystick port.

- A. Connect Active Controls joystick specific controller harness to the 30410 (for two or more socket configuration) or 30411 extension harness (for single socket configuration). The specific controller connection harnesses are as follows:
  - 1. RNet (30404) (figure 16)
  - 2. Q-Logic 1 & 2, NE+ (Ext. harness 30411, and 30546 to controller - refer to figure 17)
  - 3. Q-Logic 3 (30467)(figure 18)
  - 4. VR2 (30403)(figure 19)
  - 5. LiNX (37444)(figure 20)
- B. Connect the joystick's controller connection harness into the controller port where the joystick was originally connected.

VIII. Position joystick and *ErgoReJoy* platform at the end of armrest in the standard joystick location (refer to photo taken in Step III above).

- A. Confirm the receiver sockets are located at the lowest socket height and secured in place by the two adjustable handles (see figure 1A)
- B. Attach 3" extension arm (30389) to 1.5" ball attached in the middle of the bottom of *ErgoReJoy* platform (37200) and mini mast ball (mini mast 30226)(see figure 21)
- C. Position joystick in standard PWC armrest location (see photo taken of joystick attached to armrest for reference). Confirm that the joystick cable is tight against the bottom of the platform and the 3" extension arm is also as level as possible (refer to figure 10)
- D. Tighten knob of 3" extension arm snugly

IX. Sit on PWC and turn joystick on to confirm connections are correct. Test ride to confirm joystick and platform are secure.

X. If assembling a two socket system, remove joystick and *ErgoReJoy* assembly out of the receiver socket and insert in the opposite armrest's socket. Confirm mini-mast is fully inserted (refer to figure 22).

A. Repeat the test ride

XI. Additional *ErgoReJoy* joystick locations can be sampled if desired. See the joystick positioning protocol for details - the midline location is detailed in Section 2 of and the joystick intermediate location is detailed in Section 3.

XII. Return the *ErgoReJoy* platform to the standard armrest configuration with 3" extension arm in position with the sockets in lowest position (see figure 1A).

XIII. Remove *ErgoReJoy* joystick assembly without loosening its adjustment knob from its receiver socket and store in assessment case in the center location. Return 8" and 5" extension arms, double ball adaptor and the JoyPad, with small 3" extension arm to the assessment case.

XIV. Place the PWC on charge for initial assessment.

## **Positioning ErgoReJoy™ Joystick Platform in Location Two**

- I. Remove 3" arm from platform and mini-mast.
- II. Install Ergonomic *JoyPad*™ gel wrist support (part #) to 1" ball on platform with 3" arm (part #). Tighten knob leaving it loose for final adjustment.
- III. Position *ErgoReJoy* platform with elbow resting on armrest or against body. Position joystick where hand is located (see photo).
- IV. Position *JoyPad*™ wrist support so wrist is fully supported (see photo).
- V. After assuring you are sitting posturally neutral, firmly tighten 5" and 3" arms when comfortable.
- VI. Test ride to confirm *ErgoReJoy* joystick platform and *JoyPad*™ wrist support are secure.