



ErgoReJoy™

Tips Before Initial Assessment



FIGURE A

Custom positioning of the joystick optimizes the operational performance, long-term comfort, and safety of the PWC user, while increasing confidence and improving satisfaction with their seating system. One of the important goals of the *ErgoReJoy* universal positioning assessment system is to facilitate assessing the client's ideal joystick location. The evaluator is encouraged to provide every PWC client with the opportunity to drive at a central location during an evaluation, not just those who have difficulty driving in the armrest location.



FIGURE B

A full assessment of the armrest and midline locations should take approximately 20 minutes once the evaluator has become familiar with the *ErgoReJoy* assessment and positioning system. No tools are required to position and lock the joystick and *JoyPad™* ergonomic wrist support in place.



FIGURE C

The basic joystick positioning assessment requires comparing the client's driving abilities and postural positioning while operating the power wheelchair (PWC) in two joystick locations: the standard armrest-mounted position (refer to Figures A and B), and a central location (refer to Figures C, D, E and F).

Seating and positioning products often affect PWC joystick or alternative drive control positioning. In addition, positioning the joystick or other controls in a central location with forearm and wrist support has been clinically validated to compliment PWC seating products. As a result, it is recommended that the seating and positioning assessment be performed prior to the drive control positioning assessment.

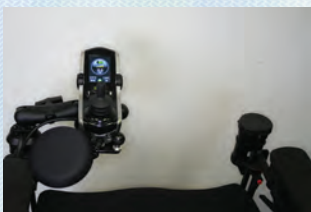


FIGURE D

The 3", 5" and 8" extension arms will be used in three different joystick locations; the armrest (3"), at midline (8"), and if needed, in another central (5") location. The 3" arm installs on the 1.5" ball under the joystick platform located in its center. The 5" and 8" arms install on either the left or right ball on the side of the joystick platform and the ball attached to the top of mini-mast (refer to Figures A-F).

IMPORTANT: Always turn off power to the joystick control after each test drive or before adjusting the position of either the joystick or the *JoyPad™* ergonomic wrist support to avoid accidental engagement of the joystick control.



FIGURE E



FIGURE F

When positioning the *ErgoReJoy* joystick platform and *JoyPad™* ergonomic wrist support, multiple components of the Active Controls universal positioning system will require adjustment. Familiarization with making the following adjustments will facilitate the assessment:

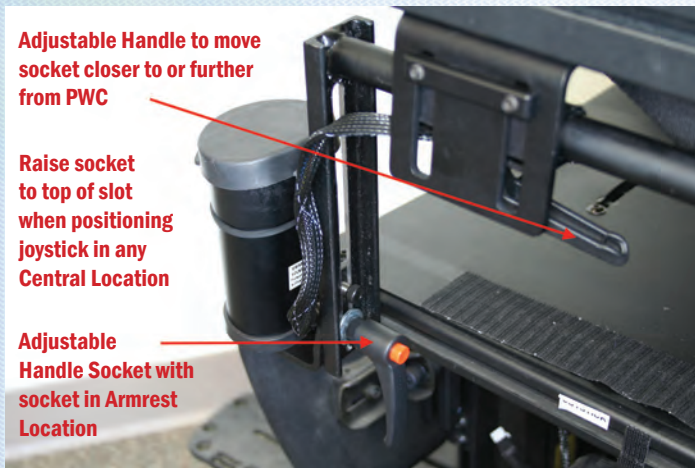


FIGURE G

- Removing the *ErgoReJoy* joystick, platform and positioning arm from its receiver socket: To become familiar with removing the joystick assembly from the PWC, the evaluator can practice moving the modular system from the right side of the PWC to the left side. It's so simple, that it only requires approximately 10 seconds. There are no brackets to remove, or electrical connections to unplug, reroute and reconnect. (One tip for familiarizing the client with the modular connection, is to ask about hand preference BEFORE installing the *ErgoReJoy* joystick assembly in the receiver socket. If possible, try to involve the client in process of inserting the assembly into the receiver socket to orient them to the simple process of installation.)

- The joystick's proximity to the user in the armrest location can be adjusted by moving the socket bracket medially or laterally using the quick release adjustment handles under the armrest (refer to figure G).
- After the joystick's baseline armrest assessment, the socket height must be raised for central assessments. Loosen the adjustment handle behind the socket, and raise the socket to the top of the slot of the socket bracket (refer to figure G). Tighten the adjustment handle firmly to eliminate any socket movement.

Note: for large adults, add the 3" extension arm positioned upward at a 90° angle to clear the thigh. Then, use the double ball adaptor to attach the 8" arm to the 3" arm (refer to Figure H). To attain a midline location in pediatric clients with narrow PWC's, move the 8" arm from the ball on the side of the joystick platform to the one under the joystick platform (refer to Figure I).

- By loosening the adjustment knobs of the extension arms, the lateral position, angle, and pitch of the joystick control can be adjusted for each client. When installing the extension arms, keep the adjustment knobs on the outside away from the client for ease of evaluator adjustment.
- In the central joystick locations, the *JoyPad™* gel wrist support should be positioned using the small 3" extension arm and 1" balls to rest supportively under the user's wrist, with the wrist aligned with the forearm in a neutral position (approximately 0° of extension/flexion and radial/ulnar deviation) (refer to Figure J).

While not every client will qualify for third-party reimbursement of a midline mounting accessory (despite its preventative benefits in pressure distribution and musculoskeletal alignment), most clients will benefit from central positioning of the joystick control, and may opt to pay out-of-pocket for it.



FIGURE H



FIGURE I



FIGURE J

Items required to perform the assessment:

- The *ErgoReJoy* Custom Assessment and Positioning Case with all adjustable components.
- The *ErgoReJoy* Driving Assessment forms filled out with the client's first name, any pre-existing musculoskeletal conditions, PWC make and model used during the assessment, and date of the assessment. (Extra Driving Assessment forms may be downloaded at forms@activecontrols.com).
- Unobstructed test-driving area, including a path through an area with restricted width to simulate a standard sized doorway.
- The *ErgoReJoy* platform with preinstalled joystick from the PWC.
- Video camera, tablet, or smartphone (required to record user's test-drive in both the standard and preferred locations as supporting evidence for a Letter of Medical Necessity-sample LMN's are included in the Protocol).
- Camera, tablet or smartphone (required to photograph the user's trunk and upper extremity postures in the assessed locations).
- We highly recommend the evaluator perform a complete *ErgoReJoy* joystick positioning assessment with a colleague prior to assessing the the first client.