140-1176 Programmer/Teach Pendant Instructions

 #82-S0514, Rev. 0A

140-1176 Programmer/Teach Pendant Instructions used with control boxes 140-1175, 140-1233, 140-1249, 140-1249S and 1510000165

WARNING

Follow these instructions exactly. Failure to do so may result in unsuccessful programming of the new control, coach damage or personal injury.

CAUTION

DO NOT WORK ON OR AROUND A VEHICLE THAT CAN BE MOVED. To ensure personal safety, place the transmission into PARK (NEUTRAL) and set the parking brake. Turn off the ignition and remove the ignition key. Maintain control of keys while working. Attach a notice, "DO NOT USE", to the ignition switch in order to prevent activation of the systems.

Instructions

1. Make sure all obstructions are out of the path of the slide out and room locks are in the stowed position or retracted position which is flat against the slide out wall.
2. Run the coach engine and verify the incoming voltage to the slide out control box between the **BATTERY (–)** and **BATTERY (+)** at control box terminals (**see FIGURE 1, page 2**). The incoming power needs to be +13.1 VDC or more.
3. Connect the programmer/teach pendant as follows:
    a. Insert the programmer end of the harness into the **PROGRAMMER/TEACH PENDANT** (**see FIGURE 2, page 2**).
    b. Insert the controller end of the harness (this is the end with two 4-pin connectors) into the connector labeled **SWITCH(PROGRAMMER)** on the slide out control board (**see FIGURE 1, page 2**).
    c. Insert the room lock connector of the programmer/teach pendant harness into the connector labeled **ROOM LOCKS** on the slide out control board (**see FIGURE 1, page 2**). The **140-1233** control does not have **ROOM LOCKS** receptacle, continue to **step 4.**
4. Move the **Teach /Run** switch to **Run**.
5. To enter programming mode:
    a. Press the "Field Reset" buttons (**see FIGURE 3, page 2**) for 5 seconds. Press firmly, or
    b. Using a paper clip (or similar item) simultaneously press the **O and I** buttons (**see FIGURE 4, page 2**) located on the slide out controller for 5 seconds. Press firmly.
6. Move the **Teach /Run** switch of the **PROGRAMMER/TEACH PENDANT** to **Teach**.
7. Testing each motor direction: check one motor at a time to verify that each motor moves in when **MOVE IN** is pressed and out when **MOVE OUT** is pressed.
    a. Switch **M 1** to **Run** and all the others to **Off**. Momentarily press the **MOVE IN** button to see if the **M1** motor moves the slide out in. If not switch the direction with the **A-B** direction switch under **M1**.
    b. Switch **M 2** to **Run** and all the others to **Off.** Momentarily press the **MOVE IN** button to see if the **M2** motor moves the slide out in. If not switch the direction with the **A-B** direction switch under **M2**.
    c. If applicable: Switch **M 3** to **Run** and all the others to **Off.** Momentarily press the **MOVE IN** button to see if the **M3** motor moves the slide out in. If not switch the direction with the **A-B** direction switch under **M3**.
    d. If applicable: Switch **M 4** to **Run** and all the others to **Off.** Momentarily press the **MOVE IN** button to see if the **M4** motor moves the slide out in. If not switch the direction with the **A-B** direction switch under **M4**.
8. After confirming the direction is correct for all the motors, switch them all to **Run**. Run all the motors **IN** until they are in the fully retracted position, turning off individual motors as necessary to achieve a good seal. The controller will not accept a stop point from a stalled motor, so the seal should be approximately 50% crushed. Press the **SET IN** button to store the **IN** position.
9. Run all the motors **OUT** until they are in a fully extended position, turning off individual motors as necessary to achieve a good seal (as viewed from inside the coach). The controller will not accept a stop point from a stalled motor, so the seal should be approximately 50% crushed. Press the **SET OUT** button to store the out position. The **PROGRAMMER/TEACH PENDANT** should no longer operate in the teach mode at this point. Test this by pressing **IN** or **OUT**. **If the room moves**, the control was not programmed correctly. Return to STEP 4 to restart the programming procedure. **If the room does not move, programming is complete**, proceed to step 10.
10. Move the **Teach/Run** switch to the **Run** position. Cycle the room **IN** and **OUT** to verify that the control held the stop points.
11. If you need to re-teach the stop points, repeat step 4-10.
12. Remove plugs from the control marked **SWITCH (PROGRAMMER)** and **ROOM LOCKS** and reinstall the coach wiring harnesses into the slide out control connectors.

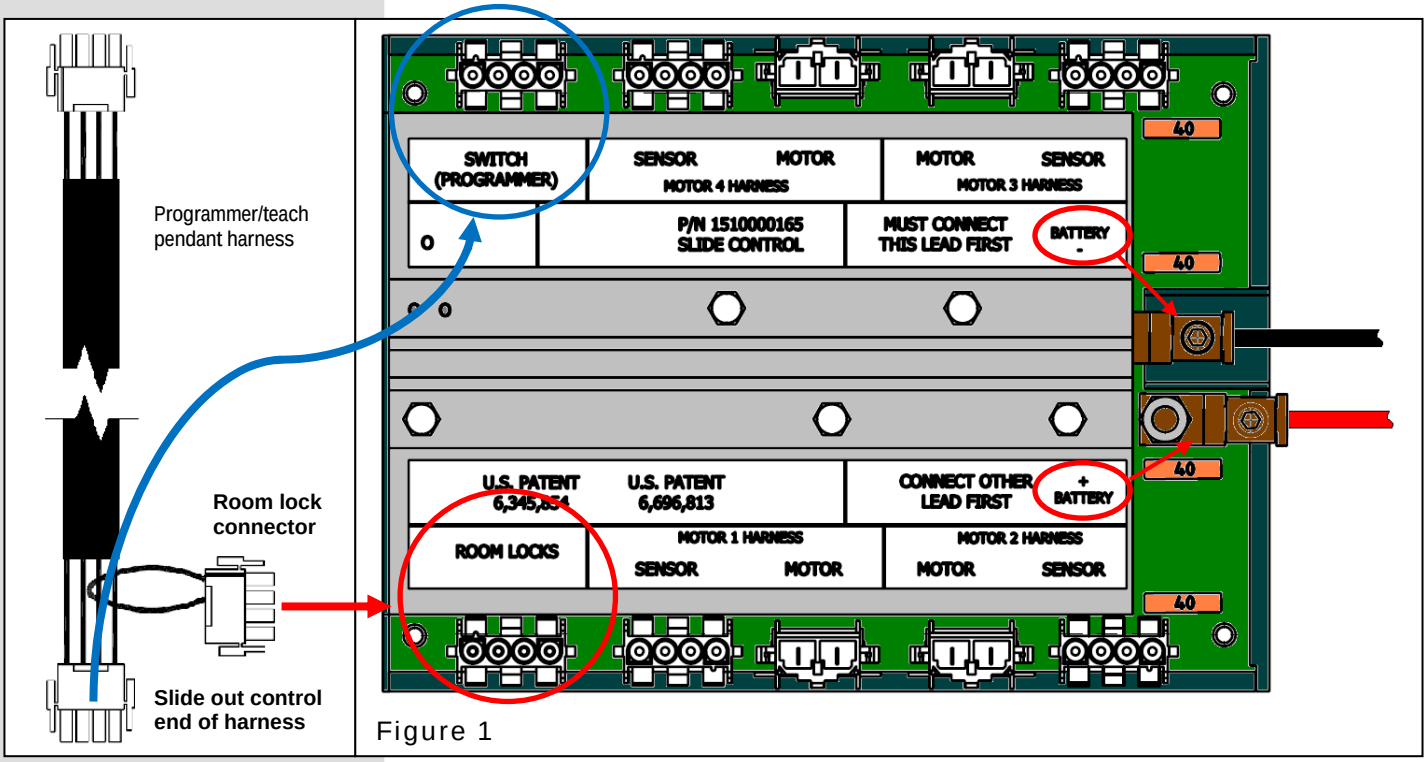
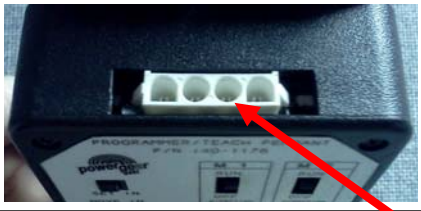


Figure 1



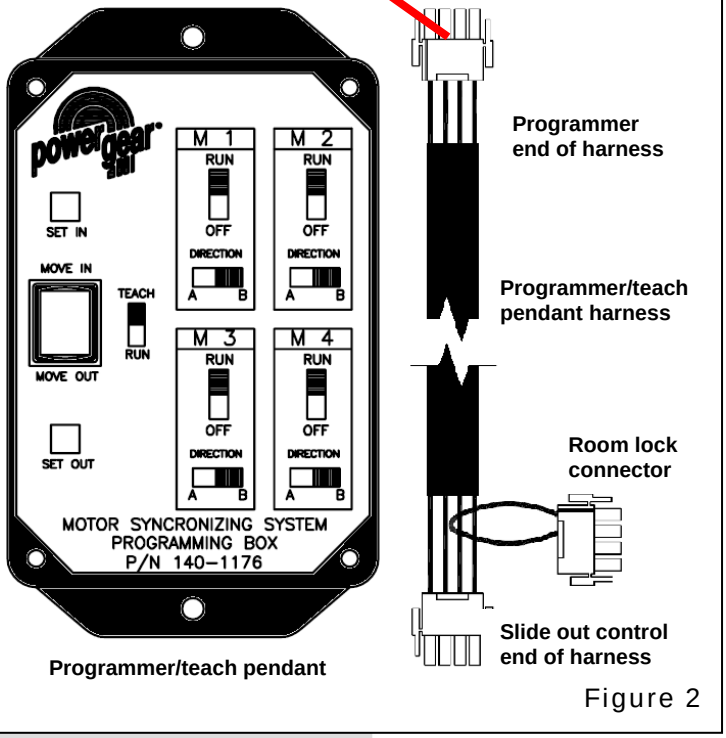


Figure 2

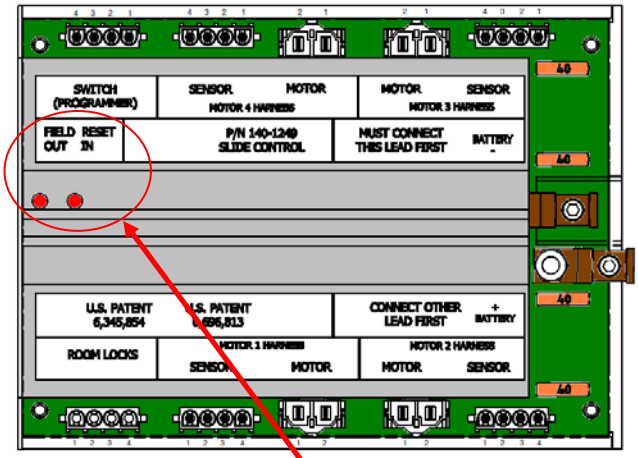


Figure 3 *Control with FIELD RESET buttons*

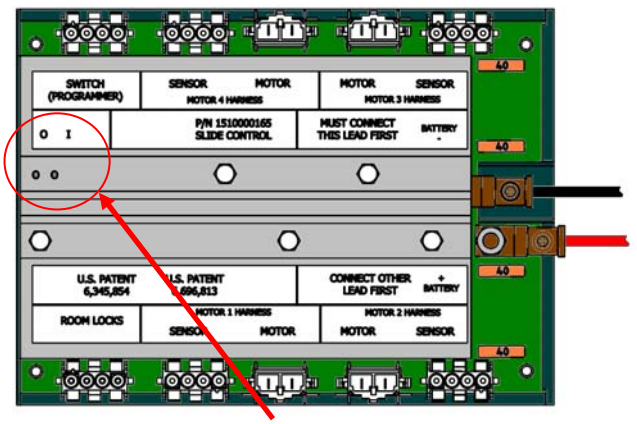


Figure 4 *Control with "O" and "I" buttons*

This document has been modified from the original PowerGear 10/11 release. All former references to the PowerGear warranty and contact information were removed.

For all concerns or questions, please contact
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