

EV-E528-TEM Procedure for installing EV-E528 in Sit-Down Units

(info also found at www.wesleyinternational.com)

CAUTION—This procedure should only be performed by a qualified maintenance technician.

Kit Includes: (1) EV-E528 Pedal Assy, (1) Wiring Harness, (3) Male Connectors, (3) Female Connectors, (3) 1/4" Screws, (3) Locknuts and (3) Washers, (1) Instruction Booklet, (1) Yellow Template.

Tools Needed: Phillips Screwdriver, 3/8, 7/16 Wrench/Socket, Die Grinder w/ thin metal cutting wheel, Drill w/ 1/4" bit, Wire stripper and crimper, Electrical Tape, Handset Controller.

1. Remove old pedal and throttle control assembly.
2. Use template to trace the 8" x 3" clearance hole in the floor pan.
 - a. Line up the front edge of the template with the firewall, and the left edge of the cut-out with the left edge of the existing slot.

****Before starting to cut the clearance hole, be sure you will not hit the frame rails or any wiring harnesses that run underneath the chassis.***

3. Use a die grinder to remove the floor section.
4. Place the pedal in the cutout to ensure proper fit.
 - a. Be sure to check the clearance at the back of the pedal while it is fully depressed.
5. Mark the three locations for the mounting holes and drill using a 1/4" bit.
6. Install the new pedal and tighten the lock nuts snug, but do not over tighten.
7. Remove the old connector by cutting and stripping the wires.
8. Install the butt connectors on the original harness.
 - a. Both green wires should be tied together.
9. Attach the new harness to the original;
 - a. Green>green;
 - b. Red>red;
 - c. Orange>orange.
10. Plug in the new harness and set the Accelerator Voltages.

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Procedure for Setting Accelerator Voltages

1. Plug in Handset, Turn on key, Type in password.
2. Navigate to menu 19.01
3. With foot off the pedal this # should be 0. *This means that the pedal is being depressed 0%. If this number reads other than 0, the controller thinks the pedal is being depressed and will not move.*
4. Depress pedal, this # should be 100. *If this number is not 100, the controller thinks the pedal is not being depressed fully and therefore will not give 100% power to the motor.*
5. Take foot off pedal
6. Press the + button one time, 0 should change to some value (ex. .56) This is the amount of voltage going through the pedal when it is not being depressed.
7. Record this #. This is your Accelerator Zero Voltage (AZV) reading.
8. Depress pedal and record that #. This is your Accelerator Full Voltage (AFV) reading. This is the amount of voltage going through the pedal when it is fully depressed.
9. These two number must be at least 0.5 Volts apart from each other.
10. Next, navigate to menu 2.03 and insert (AZV)
11. Then go to 2.04 and input (AFV).