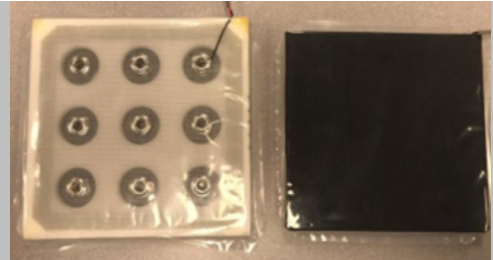


## SEAT CUSHION ALARM

### Assembly Instructions

#### PARTS LIST

1x Kit # 7227765



RECARO has released a product improvement for the Ergo seat cushion alarm switch design. The intent of the change was to improve the life of the alarm switch. The changes include the design of the alarm and the location of the alarm. The new alarm is installed below the seat cushion foam versus on top of the foam. The change is 100% retrofittable on all Ergo seats. The change in production seats started Feb. 2019.

No tools are required to install the new alarm switch

#### INSTRUCTIONS

**STEP 1:** Gently pull up the cushion assembly from the seat pan. To separate the cushion foam from the Velcro attached to the cushion pan, gently press your hand in between the sides of the foam and the pan. As the cushion is pulled up, the wires for the current seat cushion alarm switch will be exposed. To prevent pulling the jumper harness too far from inside of the suspension assembly, stop the cushion at around a 45-degree angle. (figure 1).

**FIGURE 1**



**STEP 2:** Pull the rear flap on the back of the trim cover from the Velcro to remove the current alarm from the cushion assembly. (figure 2).

**FIGURE 2**



**STEP 3:** Disconnect the terminal connectors from the cushion alarm to the jumper wire harness. NOTE: Proceed with caution while disconnecting the terminals from the jumper harness to not damage the harness or to pull off the terminals. (figure 3).

**FIGURE 3**



**STEP 4:** Clean the cushion pan with alcohol wipe or clean microfiber cloth and rubbing alcohol to prepare the steel surface for the adhesive on the seat cushion alarm.

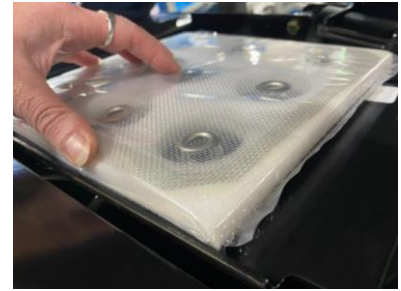
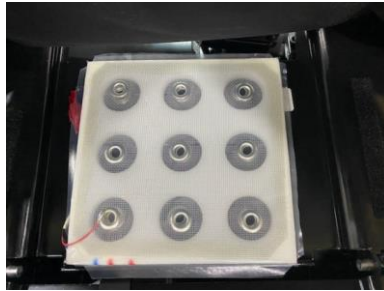
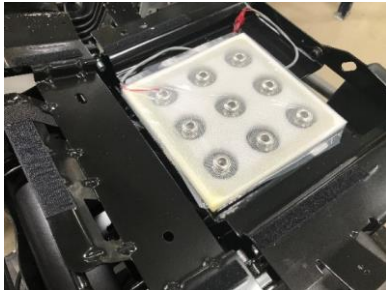
**STEP 5:** The new seat cushion alarm switch comes with double sided tape for the bottom of the alarm (black foam side) along all 4 sides. Remove the paper strips before installing. (figure 4).

**FIGURE 4**



**STEP 6:** Position the new alarm onto the cushion pan by aligning to the front flange on the frame and centered on the pan. The grommet with the red wire should be located in the front corner. Route the gray wire harness under the rear corner of the alarm. Press and hold on the alarm to allow the tape to secure to the frame. (figure 5).

**FIGURE 5**



**STEP 7:** Connect the jumper harness to the alarm and ensure the wires are lying flat behind the alarm. (Follow the next section first to replace the jumper harness prior to connecting to the new seat cushion alarm, if the jumper wire harness is also being replaced).

**STEP 8:** Replace the seat cushion foam onto the seat. Refer to Ergo Transit WI M1003307 for instructions on replacing seat cushion assembly. (figure 6).

**FIGURE 6**



**If the wire harness routed through the suspension also needs to be replaced:**

**STEP 1:** Connect the air to the seat and lift the seat to the full up position. Move the seat to the forward position to gain access to the rear of the seat.

**STEP 2:** Pull the Xmas trees on the back of the suspension boot to reveal the scissors.

**STEP 3:** Cut the zip ties from the wire harness at the base of the suspension. And using a flat head screwdriver, lift the metal p-clip on the suspension airspring slightly to gain access to the wire harness. (figure 7).

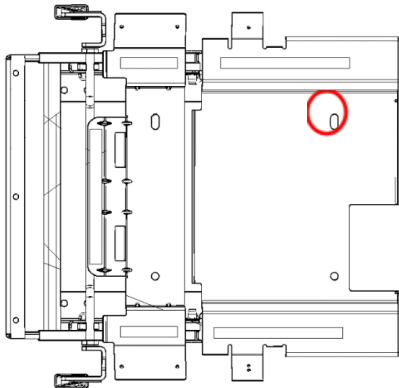
**FIGURE 7**



**STEP 4:** Remove the wire harness from the suspension.

**STEP 5:** Route the new harness from the slot in the cushion frame and down through the hole in the top plate of the suspension. There is a small zip tie located on the end of the seat cushion alarm wire harness. The zip tie should be positioned at the slot in the cushion frame. Connect to seat cushion alarm. (figure 8).

**FIGURE 8**



**STEP 6:** Route the harness through the p-clip on the top of the air spring on the right side of the suspension. Align the bottom of the p clip with the piece of orange colored tape on the wire harness. This will ensure the proper slack is present in the harness through the motion of the seat. Close the p clip on the harness tight enough to hold in place but not to pinch the convolute tubing. (figure 9).

**FIGURE 9**



**STEP 7:** For seats with a 3-inch or 4-inch riser, route the harness under the scissors towards the right and through the 25 mm (1 inch hole). (figure 10).

FIGURE 10



**STEP 8:** For seats with a flat plate or no riser, route the harness under the scissors towards the left and out under the suspension boot. (figure 11).

FIGURE 11



**STEP 9:** Add 2 zip ties to the harness on both sides of the scissors. On the AM80, align the first zip tie on the inside of the scissor to the red tape. On the AM71/72, align the first zip tie on the inside of the scissors to the yellow tape. Tighten the zip ties but do not tighten too much to collapse the convolute tubing (or grey airline on the left-hand side). Cut the excess from the zip tie. (figure 12).

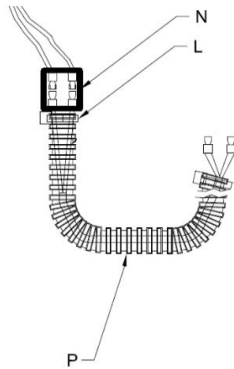
FIGURE 12



**STEP 10:** Reconnect the Xmas tree clips on the suspension boot. Complete the previous section to finish installing the alarm.

**NOTES:** Tape locations are as follows:

FIGURE 12



|   |                                                                                                      |
|---|------------------------------------------------------------------------------------------------------|
| L | WIRE TIE, 4" TRIMMED                                                                                 |
| P | 6 FT JUMPER HARNESS (7228340 - SERVICE PART NUMBER) WITH ADDED YELLOW AND RED TAPE. SEE NOTES BELOW. |

Note: Marking from N (zip tie) to be as follows:  
 Use 3/4 standard electrical tape with colors.  
 Orange tape - 412 mm (AM80 & AM72)  
 Yellow tape - 556 mm (AM72)  
 Red tape - 567 mm (AM80)

Note: Ensure positive engagement between the connectors shown in area "N".

Part numbers: 7227765