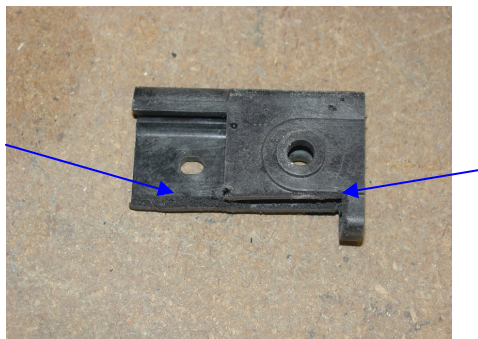




## MOBILITY

### 2010 to 2015 Chrysler Amerivan Door Track Removal & Installation Guide

1. Switch the ENC controller into bypass position
2. Remove the front footrest and seat
3. Remove the B pillar ABS
4. Remove the ramp motor cover
5. Remove the ramp and the threshold
6. Remove the lower section of weather-strip from the pinch weld
7. Remove the OEM door drive cable attachment from the lower door arm
8. Disconnect the door harness from the door and remove it from the lower door arm
9. Remove the side impact sensor from the door pan
10. Remove the ABS insert along with the door harness from the track pan and set them aside.
11. Remove the catch finger for the hold open latch if it is not attached to the track assembly (pre 2010 floor design)
12. Support the sliding door and remove the lower door bracket assembly, **\*\*\*use caution once the lower door bracket is removed so that the door does not fall out of the upper track which will cause the door to fall off.\*\*\*** It is also a good idea to mark the location of the door arm bracket on the door before removing it.
13. Pull the carpet back a couple of inches to expose the track nuts and remove the track nuts. The very front nut may be easiest to remove from under the floor and not by pulling the carpet back if the carpet is stuck down and can not be removed without causing damage.
14. Remove the track by moving it forward and tipping it a little, some light prying may be needed to help the studs clear. **\*\*\*Use caution while prying so that damage is not caused to the track, wire harness or the drive cables.\*\*\***
15. ELDorado National provides a new track and motor assembly from Chrysler, **please note** that you will be removing the motor with cables from the new track and installing them onto the door track in the van that has been modified (**reference pages 3,4 and 5 of this document**). The picture below show the rear pulley cover, please make sure it is trimmed as shown, before reinstalling



16. Door open switch connections are Yellow to normally open and black to common.
17. Installing the track may once again require some light prying to help the studs clear, **\*\*\*be sure to use caution not to cause any damage to the harnesses, cables or the track itself. Also, once the track is in place check to make sure the drive cables are routed correctly and not in between the mounting surfaces.\*\*\***
18. Install the threshold
19. Install the door hold open latch
20. Install the crash sensor
21. Install the ABS track insert and harness into the track pan
22. Install the lower section of weather-strip
23. Put the lower door arm bracket assembly into the track and then install it on the door **\*\*\*use caution to prevent the upper door arm from coming out and causing damage or injury\*\*\***
24. Install the door harness on the lower arm and connect it to the door
25. Attach the OEM drive cable to the lower door arm
26. Remove the OEM roll pin, refer to picture below for location of roll pin. Please DO NOT reinstalled, if roll pin is left in it will cause failure



27. Adjust and test the door operation *manually*. **Be sure the ENC controller is in the bypass mode to avoid the ramp from operating**
28. To test the power function start with the door **closed** position.
29. Install and adjust the ramp (take out of bypass mode for this)
30. install the ramp cover
31. The final step is to have the door relearned by Chrysler. Page 6 of this document outlines the procedure that Chrysler will need to follow using their scan tool. This information is from the Chrysler website. It is **critical** that the ramp is turned off or the ENC controller is turned off or this procedure will not work.

**!!Please call Eldorado Mobility Customer Service at 800-955-9086 with questions or concerns!!**

  
**Eldorado**  
**National - Kansas**  
Thor Industries Mobility Division

Guide to remove the Chrysler door motor cable assembly from OEM door track

Picture 1



Step one: Remove roll pin from cable mount. (Picture 1)

Picture 2



Remove the following hardware, indicated in pictures 2 though 4 with red arrows.

Picture 3



Picture 4



Picture 5



Remove Roll pin indicated in picture 5.

Next, remove the motor and cables for the modified track removed from the unit. Install new motor and cables assemble onto modified track.

## 08 - Electrical/8N - Power Systems/Power Sliding Door/Standard Procedure

# POWER SLIDING DOOR LEARN CYCLE

**NOTE:** Any time a power sliding door component is removed, replaced, door adjustment is performed or diagnostic trouble codes are addressed and erased, a learn cycle must be performed.

The power sliding door learn cycle enables the power sliding door control module to learn or relearn critical information (travel limits, resistance to door travel, door position, etc.) which allows the system to perform properly and safely. To perform a power sliding door learn cycle do the following:

1. Obtain an appropriate scan tool.
2. Connect the scan tool to the vehicle and check for any power sliding door system stored trouble codes, correct and erase any stored codes.
3. Close effected sliding door.
4. Using the scan tool, select the Power Sliding Door Control Module (PSDM) Menu, More Options, System Tests and select the Open Door Test.
5. Using the scan tool check "routine status" for a pass or fail message. If the Open Door Test did not pass, the scan tool will display the reason to aid in system diagnosis or rerunning the Open Door Test routine.
6. Using the scan tool, select the Power Sliding Door Control Module (PSDM) Menu, More Options, System Tests and select the Close Door Test.
7. Using the scan tool check "routine status" for a pass or fail message. If the Close Door Test did not pass, the scan tool will display the reason to aid in system diagnosis or rerunning the Close Door Test routine.
8. Follow the instructions on the scan tool to complete the test.
9. The power sliding door learn cycle is complete.

**NOTE:** If the power sliding door will not complete a full cycle a problem exists in the power sliding door system.

In order to obtain conclusive testing of the power sliding door system, the Controller Area Network (CAN) data bus, and all of the electronic modules that provide inputs to, or receive outputs from the power sliding door system components must be checked. **Any diagnosis of the power sliding door system should begin with, the use of a scan tool and the appropriate diagnostic service information.**