

**ELECTRIC SIDE
STEP MANUAL**

RAM
2019



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Truck & Van Accessories



Tools Needed:



Pincher



Warped Board



Ratchet wrench



Medium Socket Wrench



Insulated Rubber Tape



Cutter Knife

Kit Contents:

LF, LM, LR X1 RF, RM, RR X1 Idler Arm Bracket Right X2 Idler Arm Bracket Left X2
 Step Motor Right X1 Step Motor Left X1 Control Module X1 Fused Power Sub Harness X1
 OBDII Harness X1 Driver Step Motor Harness X1 Pass Step Motor Harness X1
 Module Power In / Out Harness X1



Hardware Included:



M8 nuts x 18 pcs



M8 washer x 18 pcs



M8 spring washer x 18 pcs



Tie Wires x 20 pcs



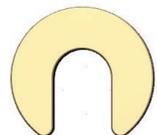
M6*25 socket cap screw x 12 pcs



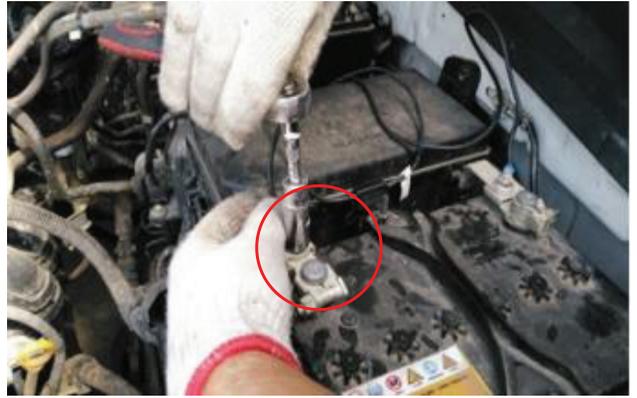
M6 spring washer x 12 pcs



Plastic line x 1 pcs



U shape washer x10 pcs



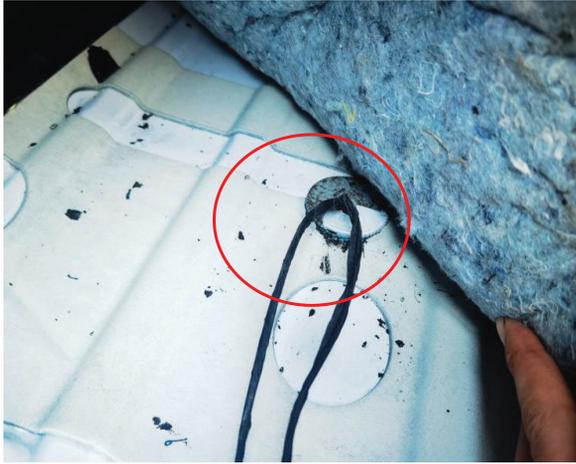
1, Connect power harness with battery positive. **TIGHTEN BATTERY SCREW!**



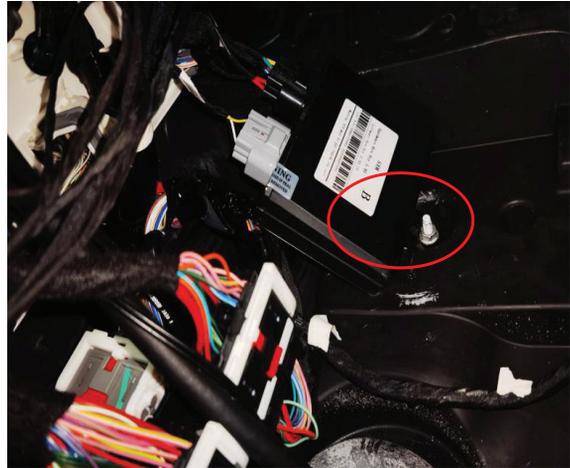
2, Locate the wire from the battery across fire wall over to driver side fender well.



3, Remove left front door sill cover. Locate the wire down fender well and along frame to the floor grommet and go inside the cab from the hole under carpet.



4, Locate the negative as above picture and tighten the screw. Use a wrench to loose and tighten.



5, Locate control module under dash on driver side. Use the supplied screw and nut to mount the control module.



6, Remove the door sill cover of right front side of the vehicle.
Drill a 1/2" hole in the center of the plastic plug in the floor of the passenger's side cab floor.



7, The right side motor wiring goes through chassis to the passenger side and keep wiring away from exhaust heat. Fix it with cable tie. Connect motor wire with ECU connector.



8, Locate motor wire from chassis to cabin through the hole under carpet. Keep white connector inside the cabin to avoid water.



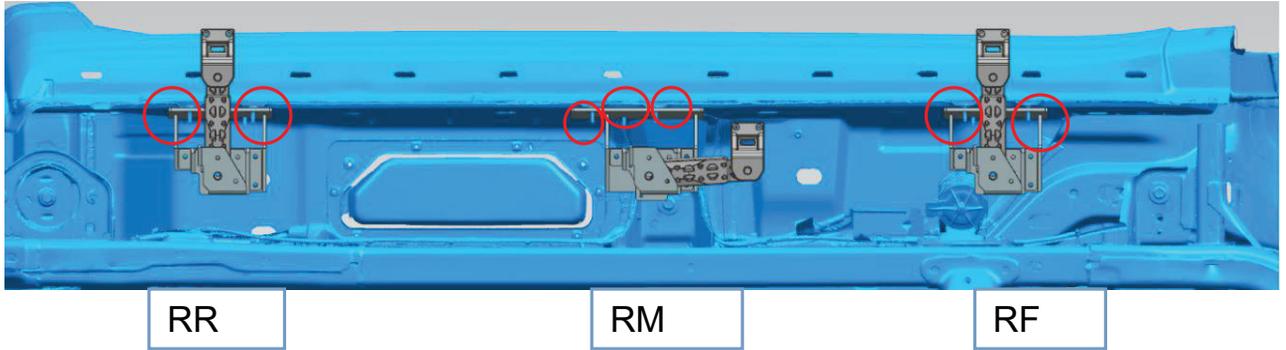
9, Locate CAN connector under dash of driver side, as above pictures.



10, Plug CAN connector with vehicle, the above one with **WHITE BASE AND GREEN CONNECTOR**. Fix all wiring along with vehicle wire by cable tie. Recover door sill and carpet.



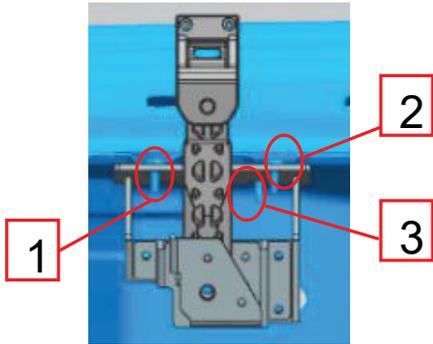
11, Connect plugs with control module. Plug (black color) matches control module joint (black color). Plug (grey color) matches control module joint (grey color).



RR

RM

RF

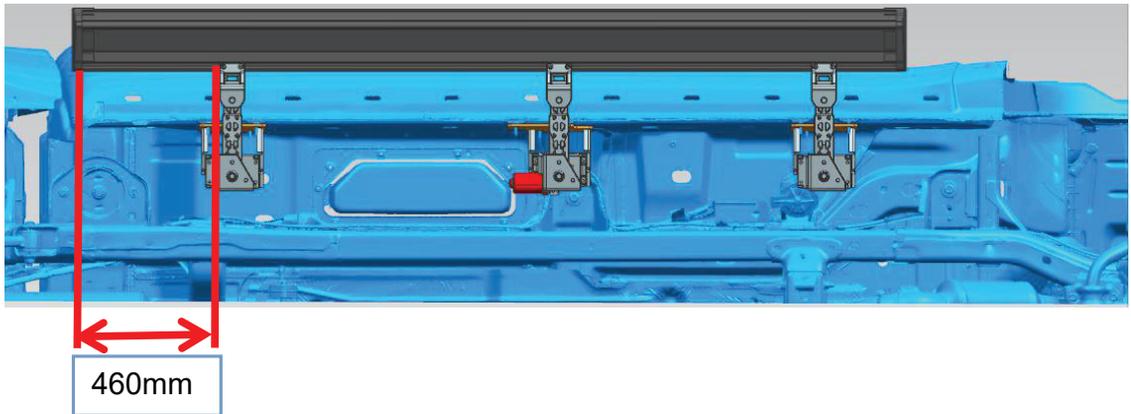


12, Locate right side brackets underneath of body as above picture.

No. 1.2.3 Use M8 nut with washer and spring washer to fix

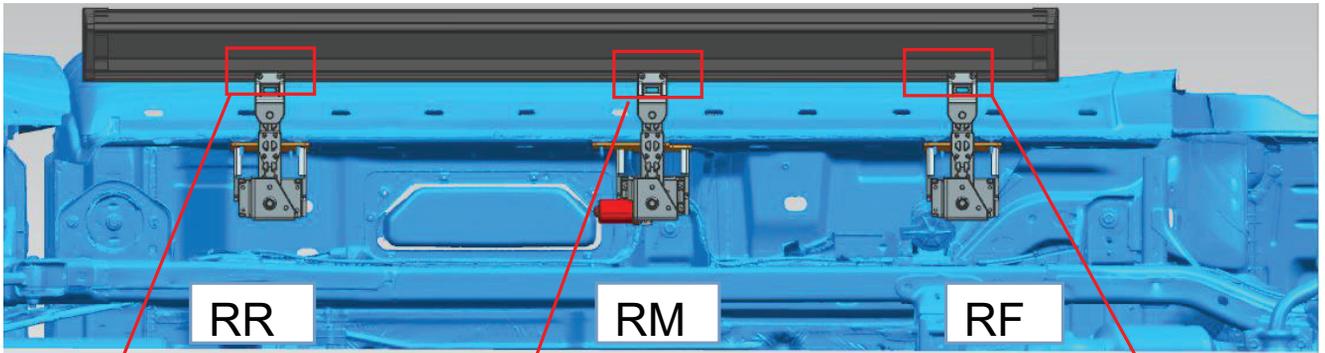
The other 6 holes are in same way.

IMPORTANT: DO NOT TIGHTEN NUTS, keep them a little loose to adjust balance.



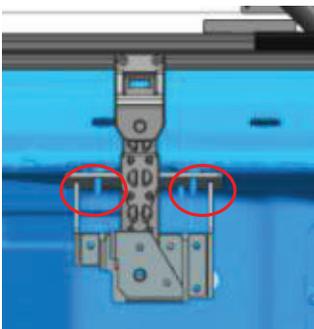
460mm

13 , Deploy the bracket and install board with brackets. Clip the slider into the bracket holder, recommend distance is 460mm from the head of step to first brackets !

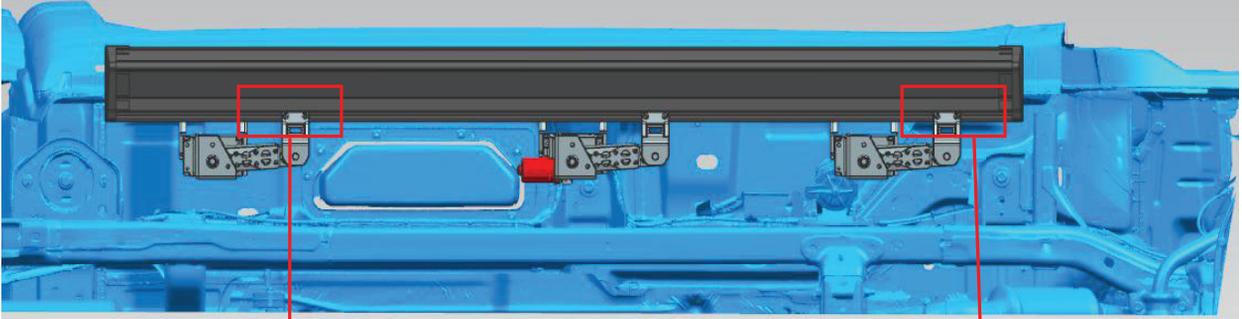


14, use M6 socket cap screw and M6 spring washer to fix board with brackets, **TIGHTEN THOSE 2 SCREWS.**

15, use M6 socket cap screw and M6 spring washer to fix, **LF & LR NOT TIGHTEN SCREWS**, keep them a little loose so that can adjust the balance.



16, Tighten all screws and nuts to fix the brackets on body, each bracket with 3 nuts.



17, Insert fuse, connect ECU and motor, open and close the door. When close, the board will retract. During retracting, push the board to let board retract totally to make gap smaller. Then tighten screws to fix LF and LR brackets with board. Open and close the door to double check if it work well.

18, Install left side in same way as right side

19, Open and close all doors to check if it works well

20, Double check all wires are secured with a cable tie and away from exhaust heat.
Check all hardware every 500 miles.



Deploy



Retract