INSTALLATION INSTRUCTIONS

PART NUMBER: SSE2-RAM-DT ROTATE ELECTRIC SIDE STEP

APPLICATION: RAM 2019+

FITTING TIME: 4 hours

OCAM 4x4 Accessories
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Email: hello@ocam.com.au
ABN: 33166112278

IMPORTANT INFORMATION

- Always wear safety glasses and hearing protection.
- Make sure work area is kept clean at all times.
- Check that all components, as listed, are present.
- Thoroughly read all instructions.
- This product or its fasteners must not be modified in any way.
- These instructions are accurate as at the revision date and do not take into account any changes made by the vehicle manufacturer to vehicle design after the revision date, or other accessories that are or have been fitted to the vehicle.
- It is the responsibility of the installer to confirm correct operation/clearance of all components.
- All holes drilled must have all burrs and swarf removed then coated with a suitable rust preventative paint.
- Ensure that all hardware is fastened to torque list as detailed in these instructions.
- On completion of the job, these instructions are to be given to the customer.

PRODUCT CARE

- To maintain the appearance of the product, wash and dry regularly using a quality car wash.
- The product should be periodically checked for tightness.

Torque Settings		
BOLT SIZE mm	TORQUE Nm	TORQUE ft.lb
M5	5	4
M6	9	7
M8	22	16
M10	44	32
M12	77	57

Tools Required

1. **Pincher**
2. **Warped Board**
3. **Ratchet wrench**
4. **Medium Socket Wrench**
5. **Insulated Rubber Tape**
6. **Cutter Knife**

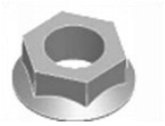
COMPONENTS LIST

Electric Side Step Manual For RAM 2019+

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

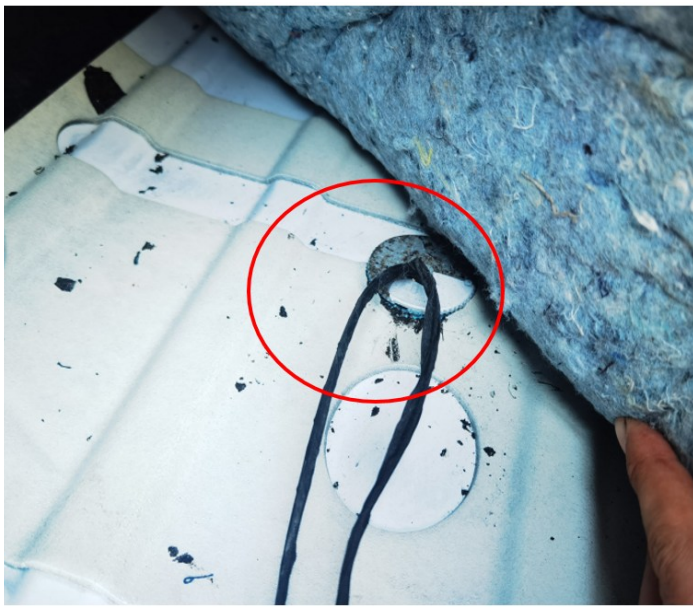
U shape washer x10 pcs

1. Connect the power harness to the battery positive terminal.
TIGHTEN THE BATTERY SCREW!

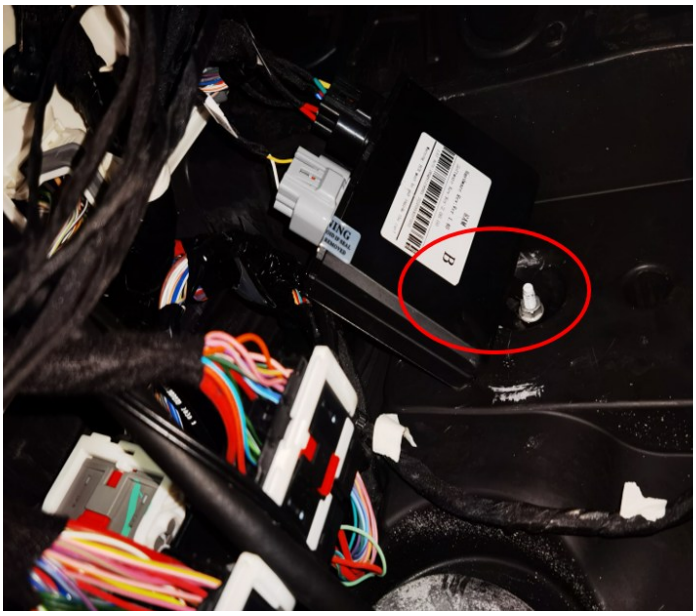
2. Locate the wire from the battery and route it across the firewall to the driver-side fender well.

3. Remove the left front door sill cover. Route the wire down the fender well and along the frame to the floor grommet, then pass it inside the cab through the hole under the carpet.

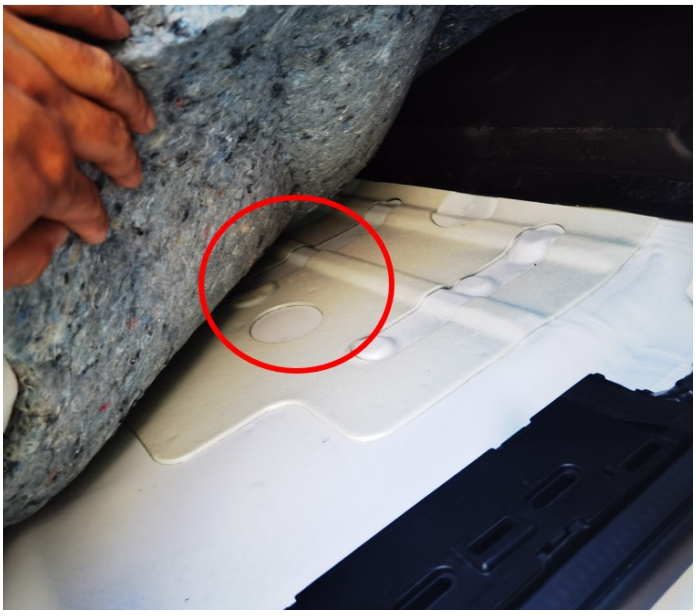
4. Locate the negative terminal as shown in the picture below and tighten the screw. Use a wrench to loosen and tighten it.



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



6. Remove the right front door sill cover of the vehicle.
Drill a 1/2” hole in the center of the plastic plug located in the passenger -side cab floor.



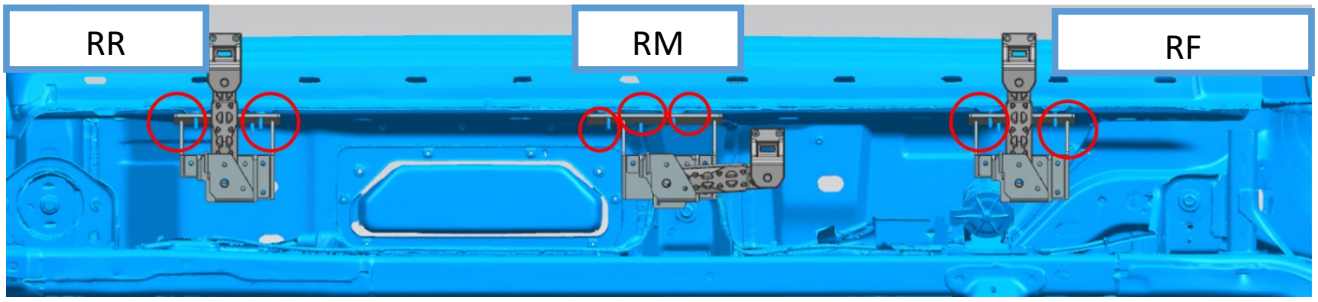
7. Route the right-side motor wiring through the chassis to the passenger side, keeping the wiring away from exhaust heat. Secure it with cable ties. Connect the motor wire to the ECU connector.

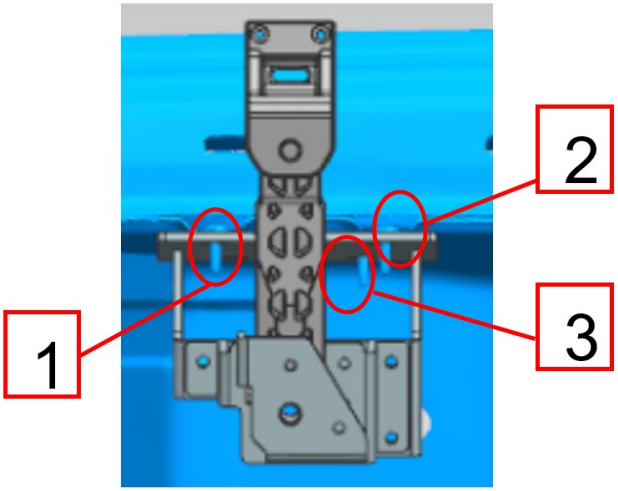
8. Route the motor wire from the chassis into the cabin through the hole under the carpet. Keep the white connector inside the cabin to prevent water exposure.

9. Locate the CAN connector under the dash on the driver side, as shown in the pictures below.

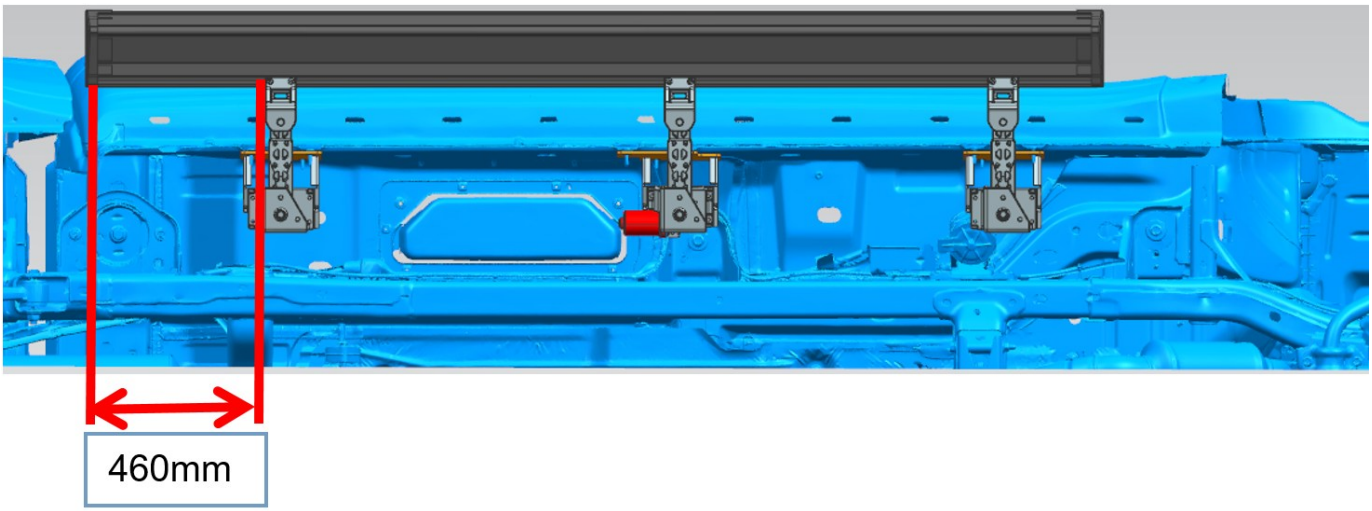
10. Plug the CAN connector into the vehicle; it is the one **WITH THE WHITE BASE AND GREEN CONNECTOR** shown above. Secure all wiring along the vehicle's harness using cable ties. Reinstall the door sill and

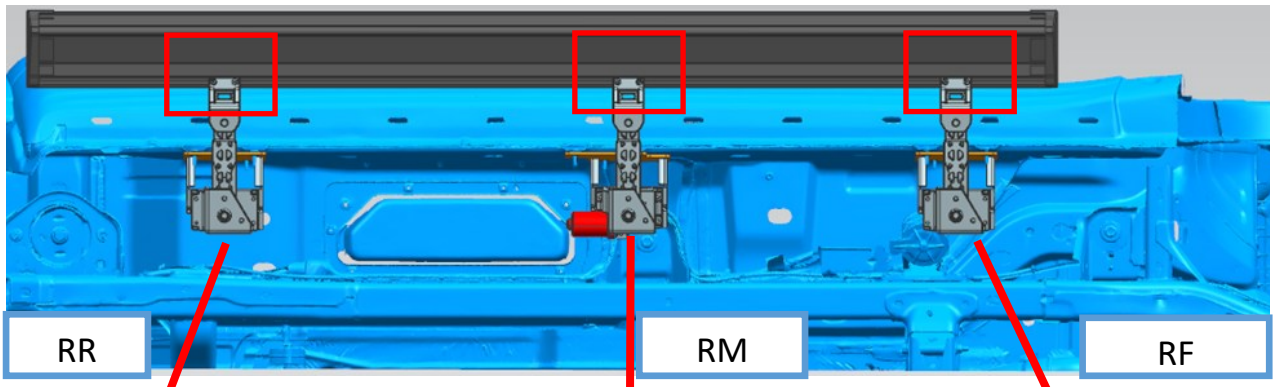
11, Connect the plugs to the control module. The black plug matches the black socket on the control module, and the grey plug matches the grey socket.





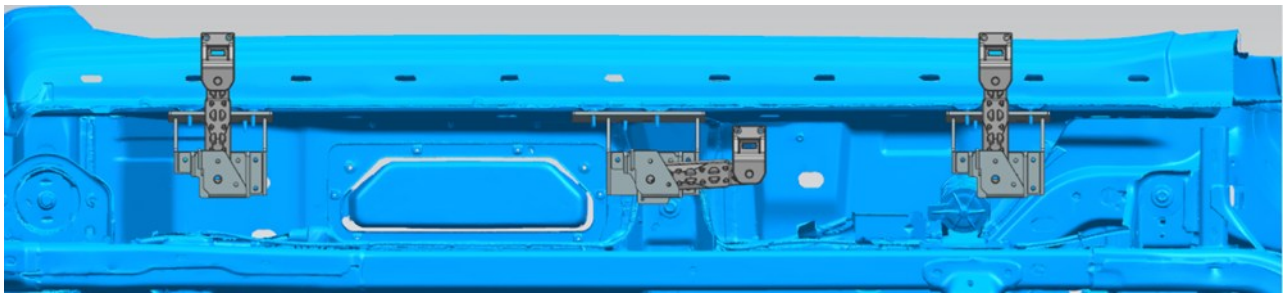
12, Locate right side brackets underneath of body as above picture.
No. 1.2.3 Use M8 nut with washer and spring washer to fix
The other 6 holes are in same way.
IMPORTANT: DO NOT TIGHTEN NUTS, keep them a little loose to adjust balance.

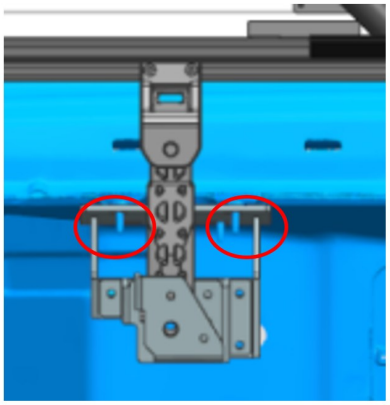




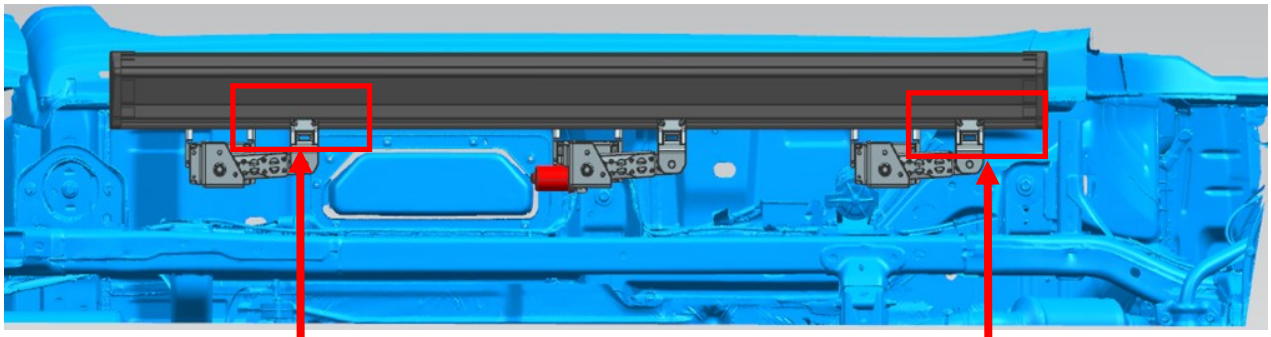
14, use M6 socket cap screw and M6 spring washer to fix board with brackets, **TIGHTEN THOSE 2 SCREWS.**

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





16. Tighten all screws and nuts to secure the brackets to the body; each bracket uses three nuts.



17, lInsert the fuse, then connect the ECU and motor. Open and close the door — when the door closes, the board will retract. While it is retracting, push the board fully inward to reduce the gap. Then tighten the screws to secure the LF and LR brackets to the board. Open and close the door again to double-check that everything works properly.

18. Install the left side in the same way as the right side.

19. Open and close all the doors to check if everything works properly.

20. Double-check that all wires are secured with cable ties and kept away from exhaust heat. Inspect all hardware every 500 miles.

DEPLOY

RETRACT