

OCAM

4X4
ACCESSORIES

INSTALLATION INSTRUCTIONS

PART NUMBER: SSE2-DMAX-12

APPLICATION: FOR ISUZU D-MAX, 2012-20

FITTING TIME: 4 hours



OCAM 4x4 Accessories
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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. Socket set
2. Electric tape
3. Trim removal tool
4. Pliers

COMPONENTS LIST



ECU



Bracket connectors rear - 2PCS



Bracket connectors middle - 2PCS



Bracket connectors front - 2PCS



Idler bracket - 4PCS



Motor bracket - 2PCS



M8x30 socket cap bolt 6 PCS



M6x25 socket cap bolt 12 PCS



M8 nut with conical washer 6 PCS



M6 spring washer 12PCS



M8 washers 12PCS



Wire harness: one set for motor power and signal



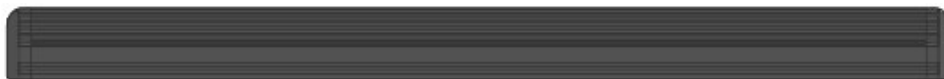
Plastic line 1 PCE



U-shaped washers 10 PCS



Cable ties 20PCS



Side Steps 2PCS

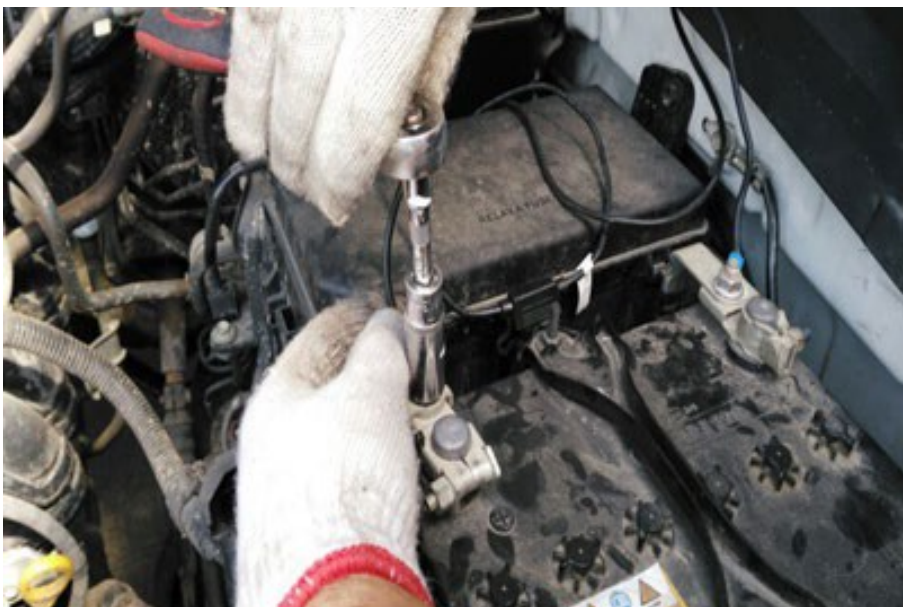
1. Install ECU, OBD & Wiring



1. Remove the fuse from the supplied wiring harness



2. Connect the positive wire (red with fuse) to the vehicle battery-positive terminal



3. Connect the negative wire to the vehicle battery-negative terminal. Caution: Ensure nuts are tight.



4. Route the left-hand motor harness along the chassis and through the rubber support block to the passenger side



5. The left hand motor harness as shown above



6. Repeat on the right side with the right motor harness, bringing it to the right side.



7. Using the existing rubber grommet on the firewall as shown, route the harness (three lines) through to the cabin.



8. Inside view of instruction #7.



9. Join the 2 connectors as shown. Cover connectors in electrical and store in the car to ensure it is kept away from water.



10. Secure the ECU module in the left hand side kick-panel



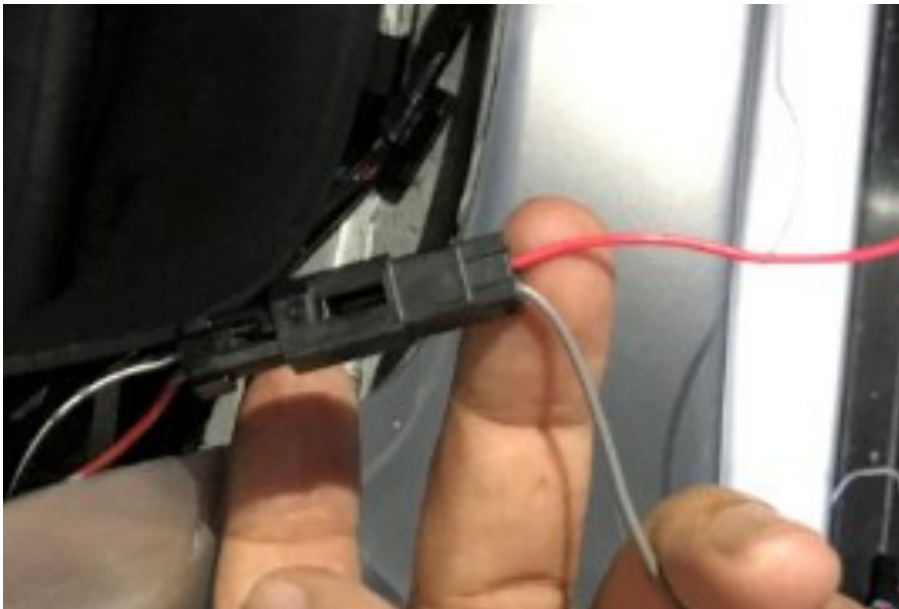
11. The signal for ECU is sourced from each door switch



12. Remove the trim panels behind each door to gain access to the door switch



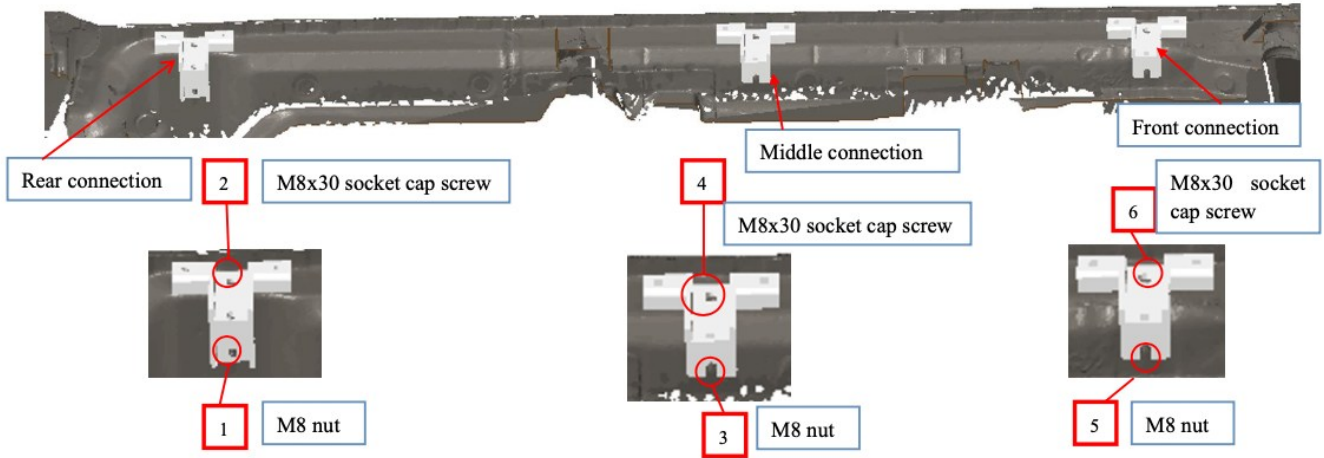
13. Remove the original connector and insert the supplied adapter harness. Then piggy-back (re-install) the original connector. Do the same for all 4 doors



14. Route the door switch wiring harness you have just installed along the original factory harness to the supplied ECU module

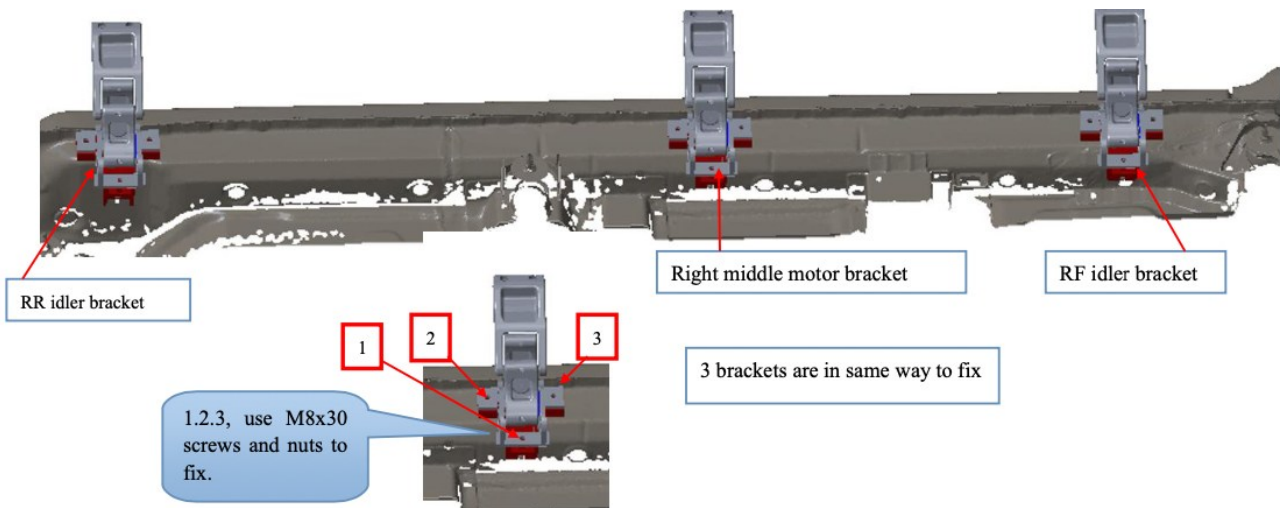
15. Connect the motor connectors and use electric tape to secure the connections. Connect all connectors to the ECU module. Insert the fuse and test if the motor works correctly

2. Install the bracket connectors to the right (driver) side.



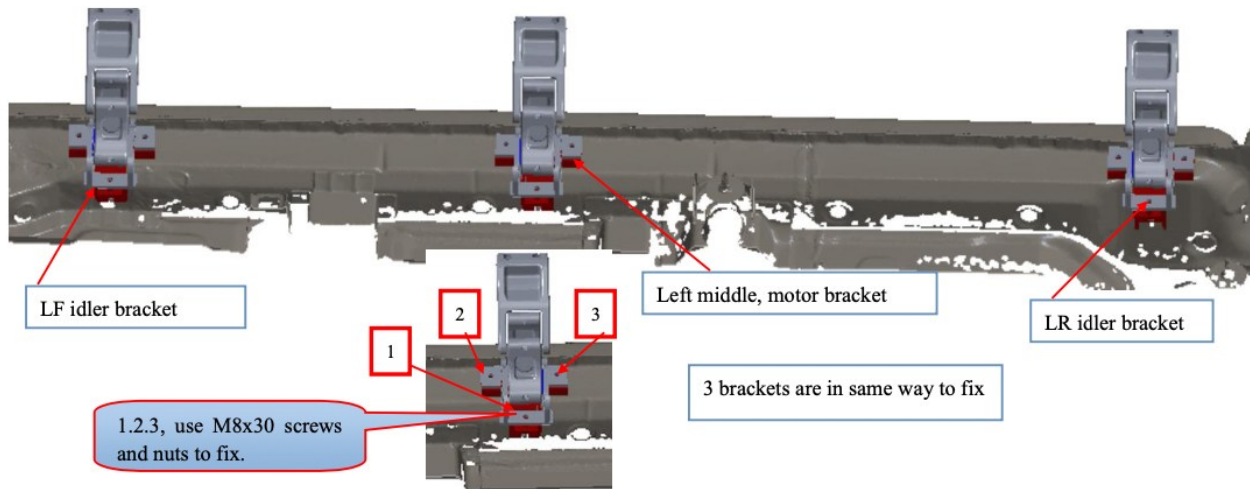
TIGHTEN ALL BOLTS!

3. Install the brackets to the right (driver) side.



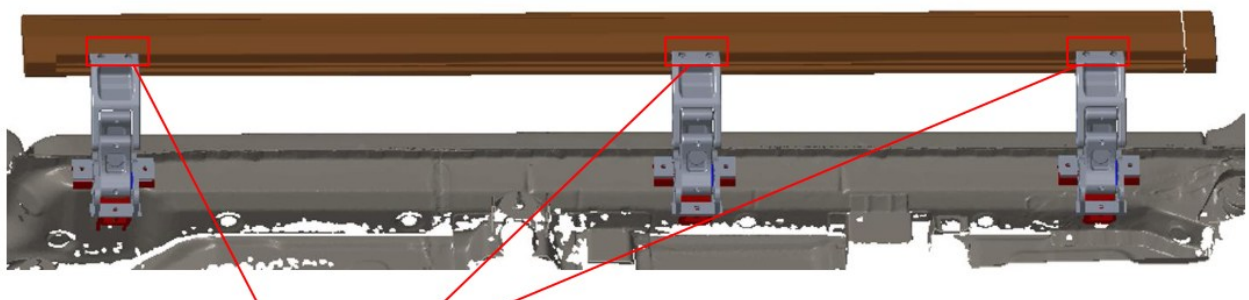
KEEP ALL BRACKET BOLTS SLIGHTLY LOOSE, SO THAT THE BRACKETS CAN BE ADJUSTED WHEN BALANCING THE STEPS

4. Install the bracket connectors to the left (passenger) side.
5. Then install the brackets to the left (passenger) side



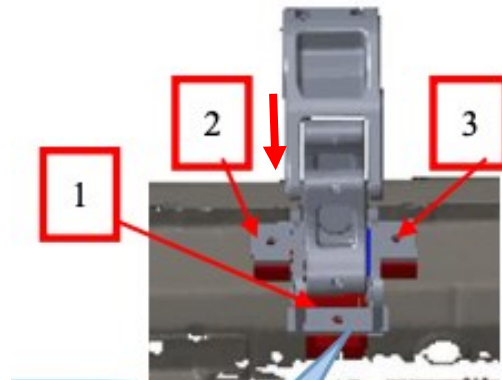
KEEP ALL BRACKET BOLTS SLIGHTLY LOOSE, SO THAT THE BRACKETS CAN BE ADJUSTED WHEN BALANCING THE STEPS

5. Install the side steps (use the same process for left and right)



Use M6x25 socket cap bolts with spring washers to fix running boards to the brackets..

TIGHTEN BOLTS



1. Re-insert the fuse into the wiring harness. Then open and close the doors to check that the steps work correctly. Ensure the steps are free of any obstruction. As they move up and down they will adjust to the correct position themselves.

2. TIGHTEN ALL BOLTS ON THE 6 BRACKETS (3X6=18). If the side steps are out of alignment, use the U-shaped washers to adjust them.

Check that all doors are activated and side steps are working correctly. The installation is now complete.

Automatic power deployment:

The side steps will extend down and out when the door is opened.

Automatic stop:

If an object is in the way of the moving side step, the side step will automatically stop. To reset, clear any obstruction, then simply open and close the door to resume normal operation.

Manually set in the deployed (OUT) position for access to the roof:

Stand on the side step while closing the door. To resume normal operation, open and close the door.

Maintenance:

In adverse conditions, debris such as mud, dirt, and salt may become trapped in the side step mechanism, possibly leading to unwanted noise. If this occurs, avoid spraying the motors directly and after washing, apply silicone spray lubricant to the hinge pivot pins.

Caution! Keep hands and feet away when the side steps are in motion.

Thank you for choosing the OCAM Electric Side Steps. Enjoy!!