

OCAM

4x4
ACCESSORIES

INSTALLATION INSTRUCTIONS

PART NUMBER: SSE2-LC200

APPLICATION: TOYOTA LAND CRUISER LC200

FITTING TIME: 4 hours



OCAM 4x4 Accessories
31 Shirley Way, Epping, VIC 3076
Telephone (03) 9357-0306
Email: hello@ocam.com.au
ABN: 33166112278

IMPORTANT INFORMATION

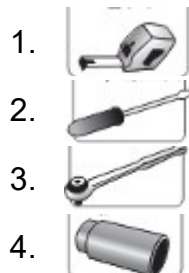
- Always wear safety glasses and hearing protection.
- Make sure work area is kept clean at all times.
- Check that all components, as listed, are present.
- Thoroughly read all instructions.
- This product or its fasteners must not be modified in any way.
- These instructions are accurate as at the 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



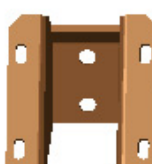














- To maintain the appearance of the product, wash and dry regularly using a quality car wash.
- The product should be periodically checked for tightness.

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



COMPONENTS LIST

					
ECU	Bracket connection, front 2	Bracket connection, middle 2	Bracket connection, rear 2	Idler bracket 4	Wire harness: one set for motor power and signal
					
M8*20 screw ,8 pcs	N6*25 socket cap screw 12 pcs	M8 washer 12 pcs	M6 spring washer 12 pcs	U shape washer 10 pcs	M6 washer 12 pcs
				Tie wire 20 pcs	
Motor bracket 2 sets	OBD KIT 1 SET	Plastic line 1			
					
Running board					

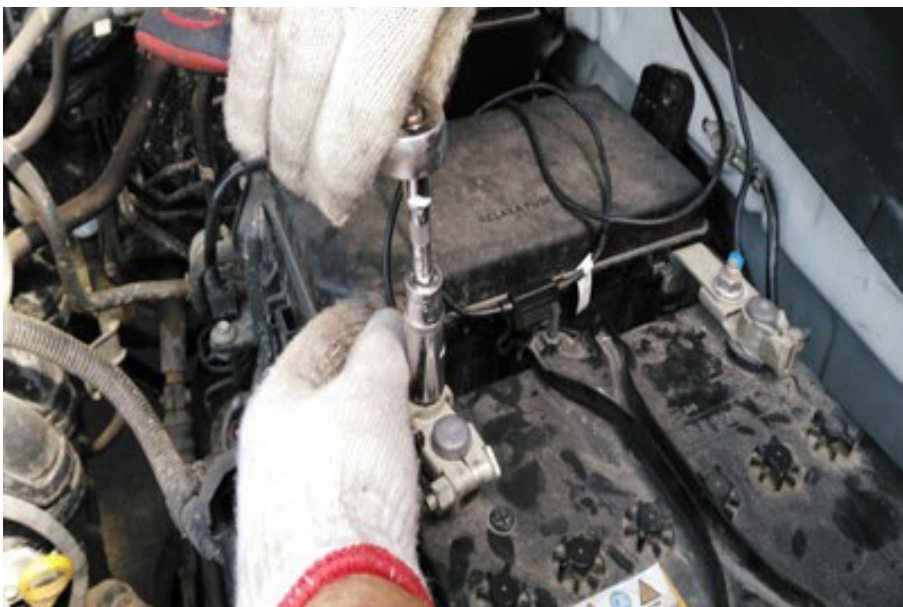
1. Install ECU, OBD & Wiring



1. Remove the fuse in harness



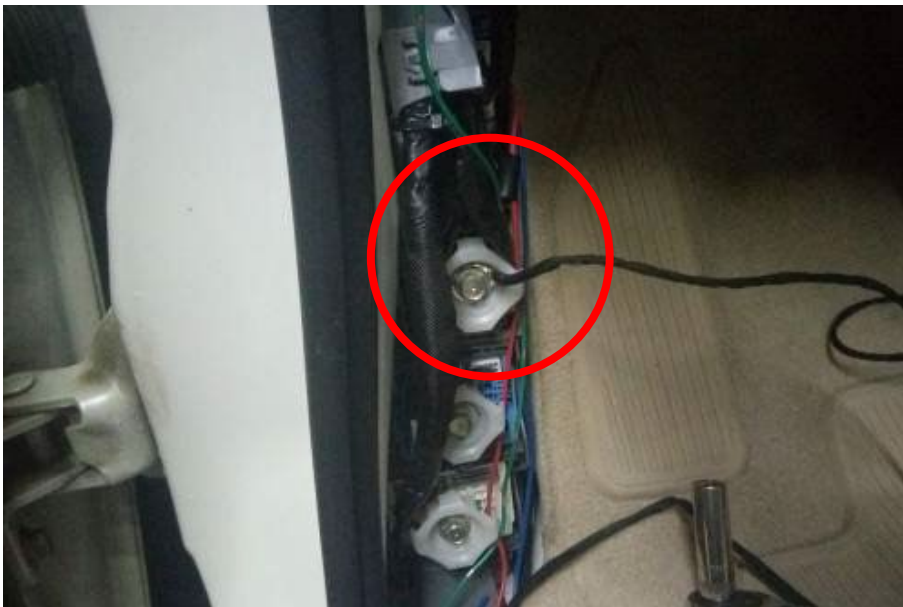
2. Connect power wire to battery: red one with fuse is positive.



3. Caution!: Tighten battery screw very tight! If loose, may get damage to the car.



4. The wiring from this position to co-drive cabin



5. Negative position, on the co-drive side



6. Use the hole with M6 screw to fix ECU





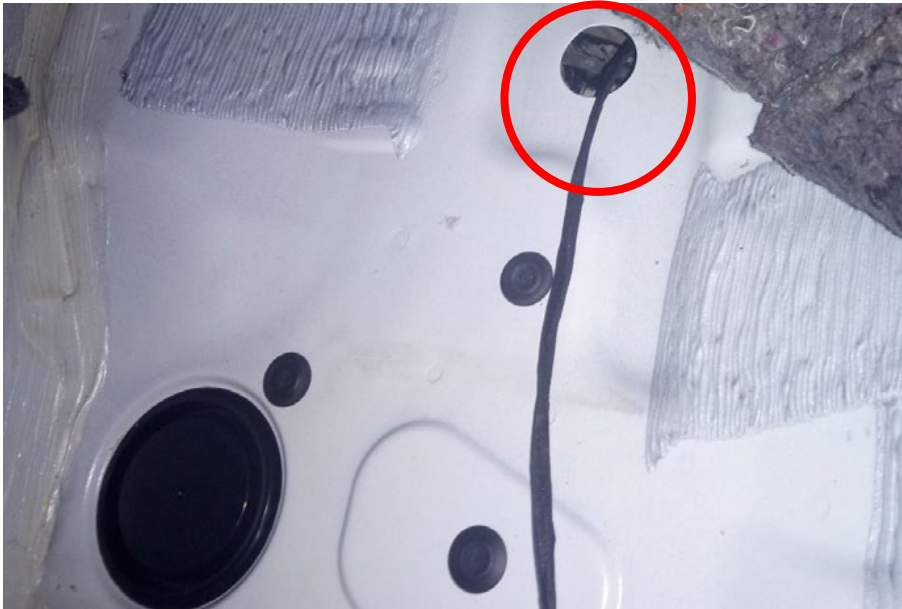
7. Right motor wire and OBD line from this position to drive site



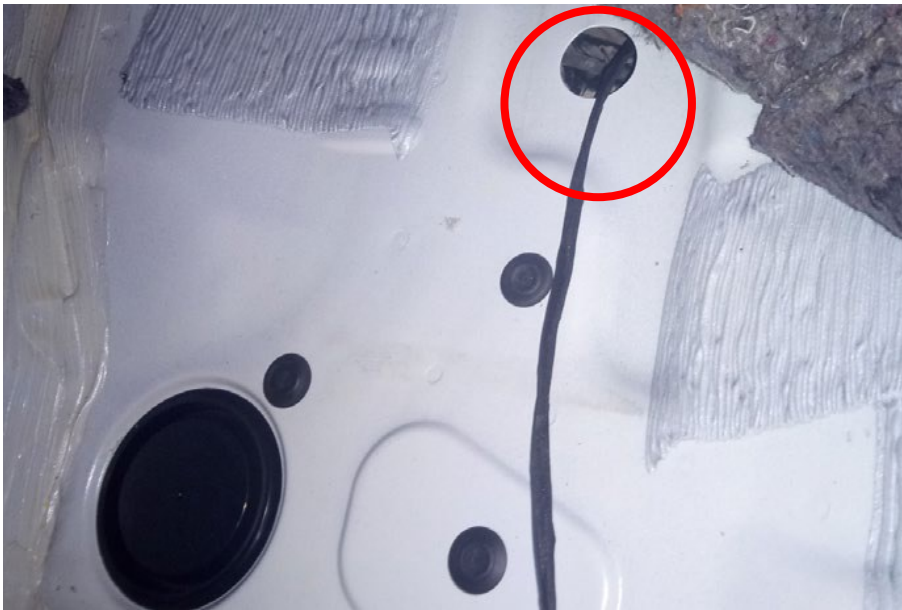
8. Connect OBD as above picture



9. Right motor line as above to go to chassis site



10. Motor line from above position to go to chassis site



11. Left and right side are in same way

12. Connect motor connectors and use tape to protect. Connect OBD line with ECU connector. Insert fuse to test if motor work well.

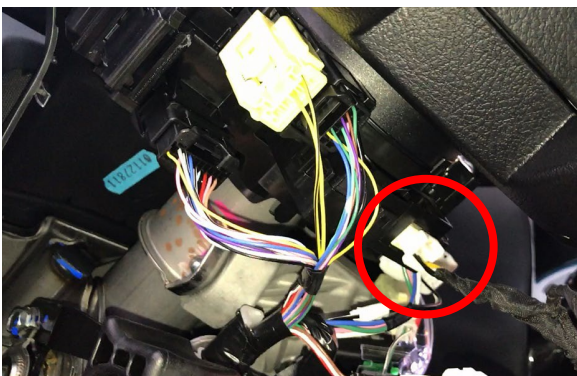
For LC200 Models 08/205-2022 the use the alternative connector from under steering, not OBD connector.

Before you unplug the connector vehicle must be off and disconnect the battery to avoid any errors on the dashboard.

This is very important.



1. Start engine, disassemble 3 screws under steering. **Then shut down engine.** Take off the plastic cover under steering



2. Find the connector under steering and unplug it



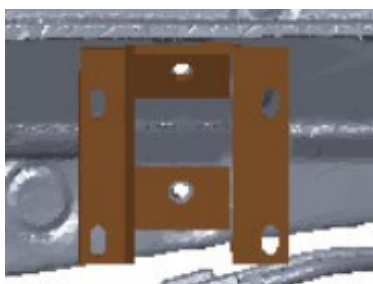
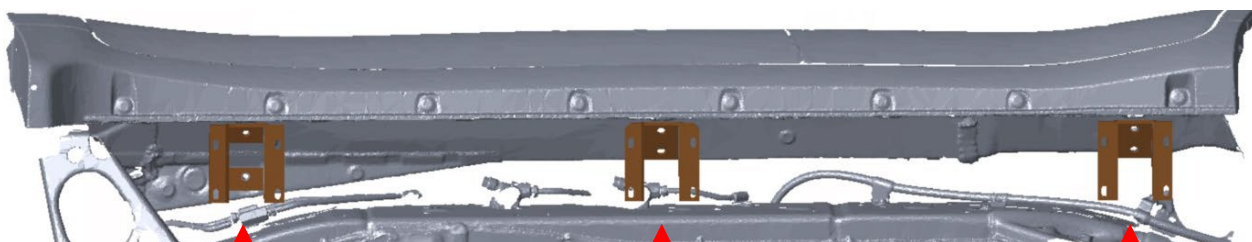
3. Plug with our connector then insert it back to original position. Recover all parts back to vehicle

Others are same as above instruction

2. Install connections (left side, 2 sides in same way to install)

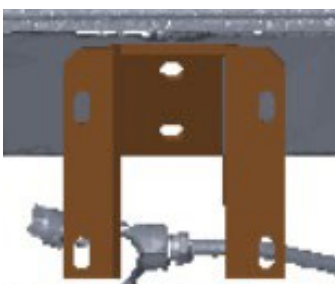


Car direction (left)



LF

M8 screws, 2pcs to fix



LM

M8 screws, 2pcs to fix

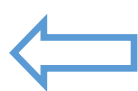


LR

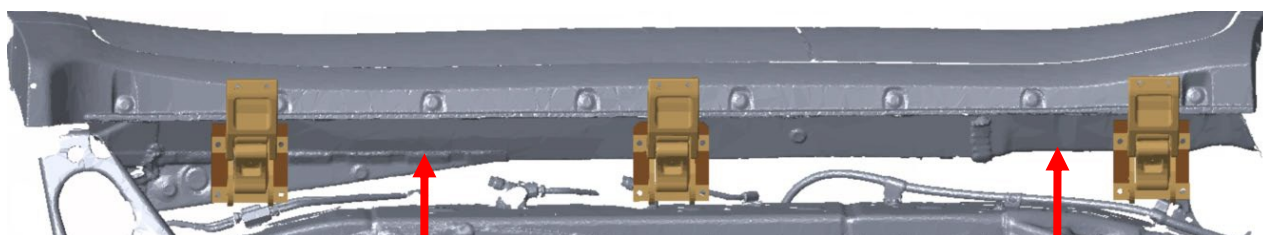
M8 screws, 2pcs to fix

Tighten all screws !

3. Install bracket (left side, 2 sides in same way to install)



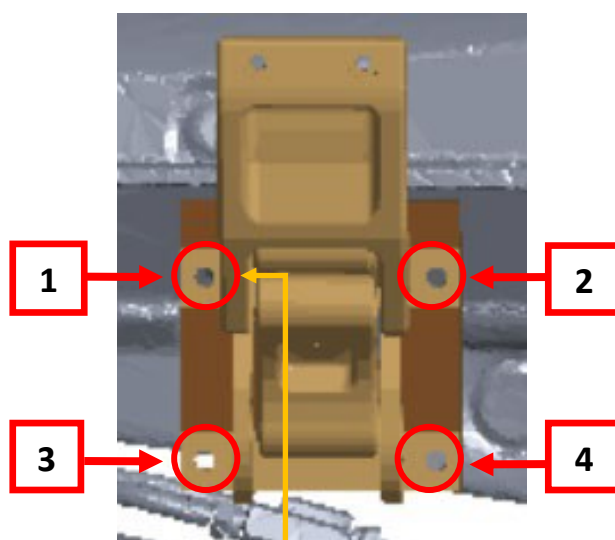
FRONT OF VEHICLE



Left-front bracket with

Left-front bracket with

Left-front bracket with

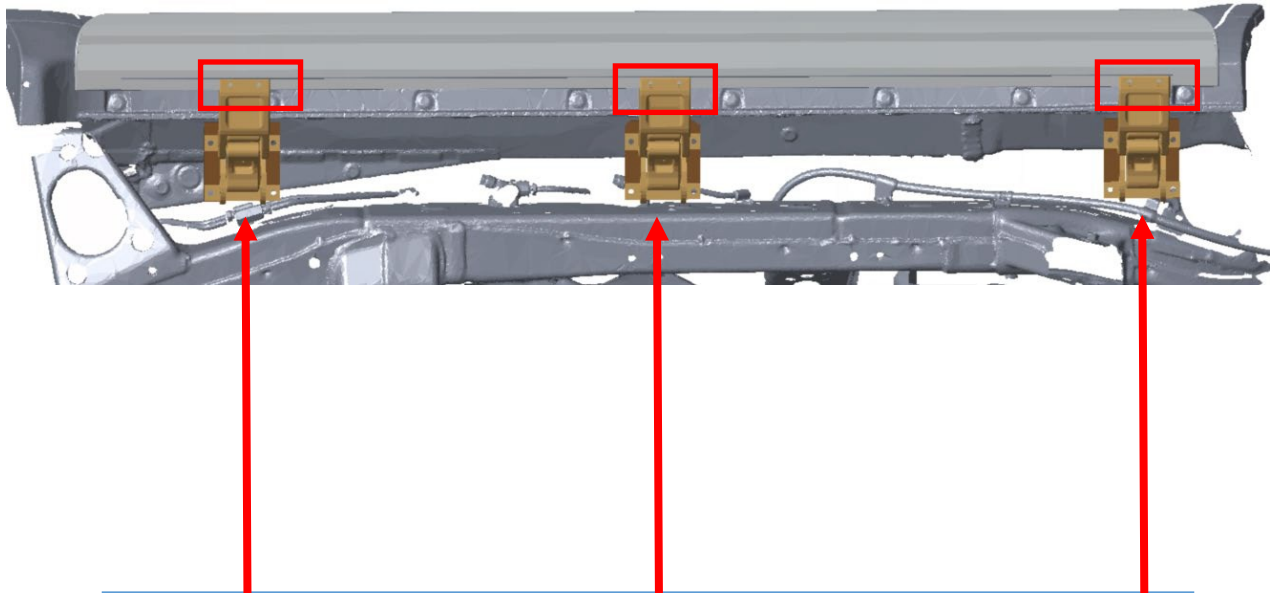


3 brackets are in same way to fix

1.2.3,4 use M8x30 screws and nuts to fix.

KEEP ALL BRACKET SCREWS A LITTLE LOOSE, SO THAT BRACKET CAN MOVE WITH RUNNING BOARD!!!

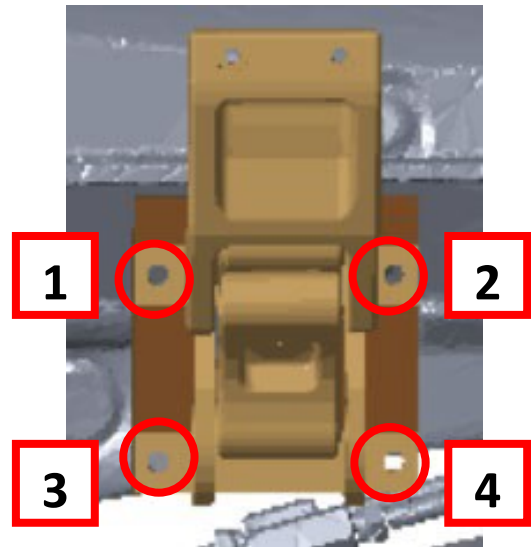
4. install running board (left and right side are in same way)



Use M6x25 screw and spring washers to fix running board with brackets.

TIGHTEN SCREWS !

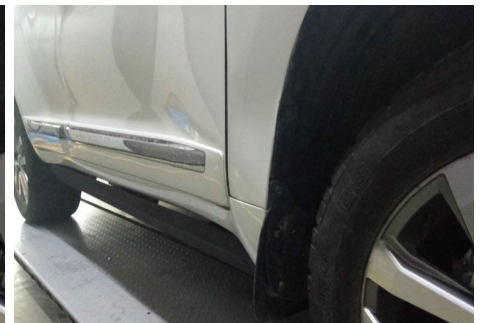
5. Testing and adjust the balance



1. Insert fuse again. Then open and close doors to let step work. To assure them up and down freely to adjust position by itself.

2. FASTEN ALL THE SCRWS (4x6=24) ON THE 6 BRACKETS
If still not balance, use U shape washer to adjust it.

6. Checking all doors activate, the side step work when doors open and close. Now the installation is finished. Protect all connectors with tap to avoid loose.



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!!