

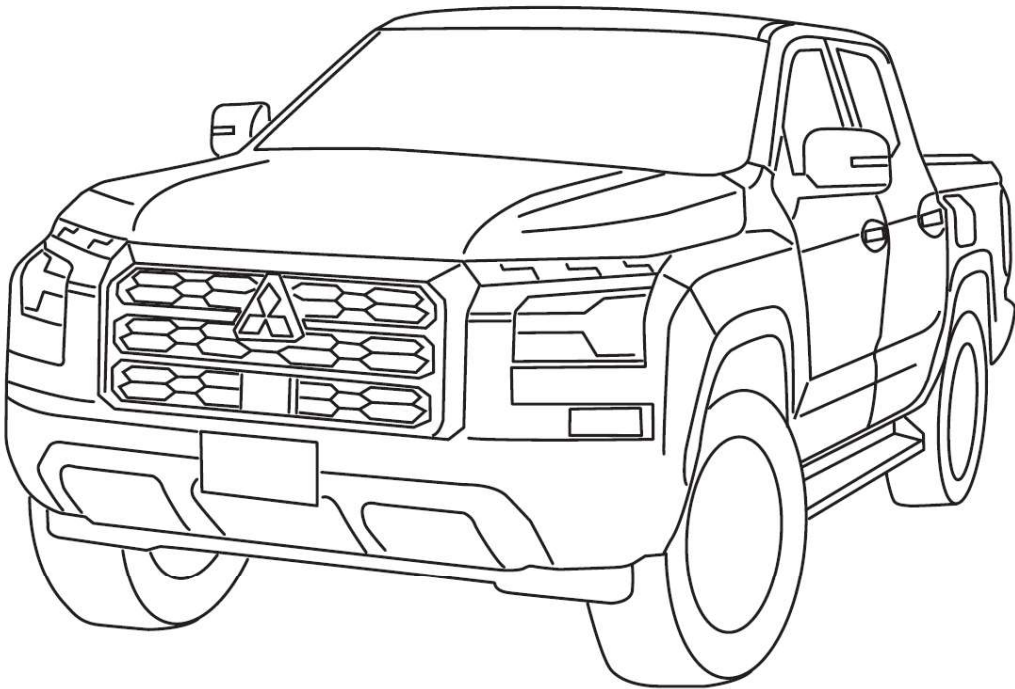
Rear Protection Bar
Installation and Owner’s manual









LA0 Parts No. MZ350778

- Thank you for purchasing the Mitsubishi Motors genuine accessory.
- The initial installation quality determines the level of performance, durability and trouble occurrence in the future.
- Make sure to read this manual carefully before installation of the product, and install it correctly after understanding an overall operation flow. Do not attempt installation other than instructed in this manual. We shall not be responsible for any failures occurred by not following the instructions in this manual.
- We recommend you to have the installation performed at an authorized Mitsubishi Motors dealer to ensure the reliability.

Note

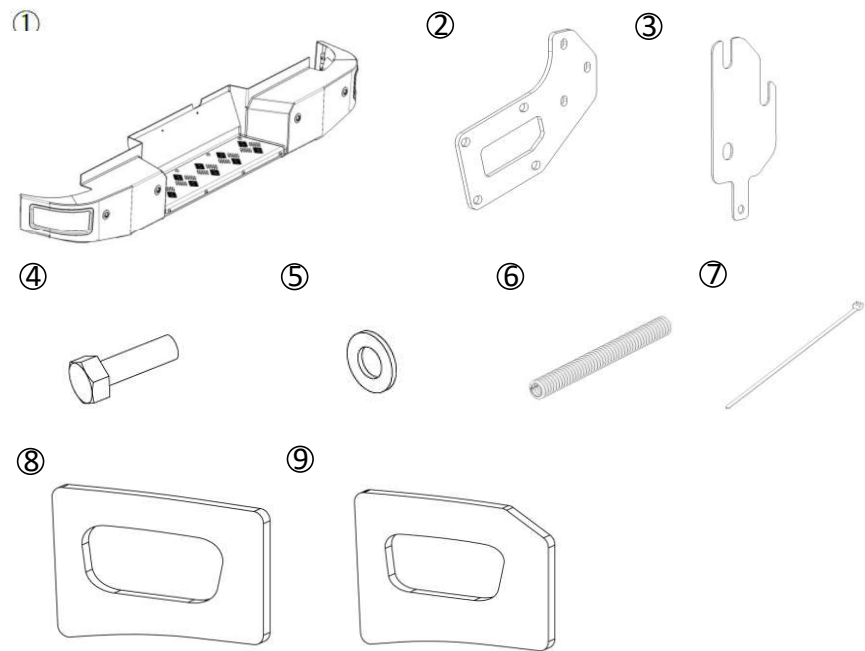
- Rear Protection Bar can only be fitted in combination with Genuine Mitsubishi Towbar.
If Genuine Towbar is not present, do not proceed with installation of Rear Protection Bar.



								
MZ350778	✓	×	✓	✓	✓	✓	✓	POWDER COAT

Component parts

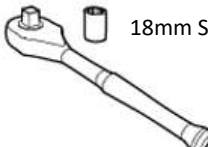

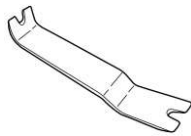


(Make sure that all of the following component parts are included in the kit before starting the installation process.)



Part name		QTY
①	Rear Protection Bar	1
②	Side Arm	2
③	Spacer Plate 2mm	4
④	Screw Hex HD M12x45	6
⑤	Flat Washer M12	6
⑥	Corrugated Tube	2
⑦	Cable Tie 300mm	3
⑧	Sealing Foam A	2
⑨	Sealing Foam B	2

Tools

(Make the following tools ready for use.)

Socket Set (Metric)  18mm Socket	Torque Wrench 	Trim Removal Tool 	Hex Socket No 5. 
Cutting Pliers 			

Symbol meaning



This symbol indicates a particularly important safety instruction. Read and follow it carefully for safety. Failure to heed the caution may result in death or serious human injuries.



This symbol indicates a particularly important safety instruction. Read and follow it carefully for safety. Failure to heed the caution may result in human injuries or accidents.



This symbol indicates an advisory instruction to follow during installation and handling.

Precautions for installation











Warning



Perform the installation indoors that is large enough without worrying about the rain and wind. Make sure the work area is well ventilated and take special care for the fullness of exhaust gas.

- Do not install to the vehicles except for the applicable types.
- Do not install with remodeling. Failure to heed this caution may result in serious accidents.

Caution

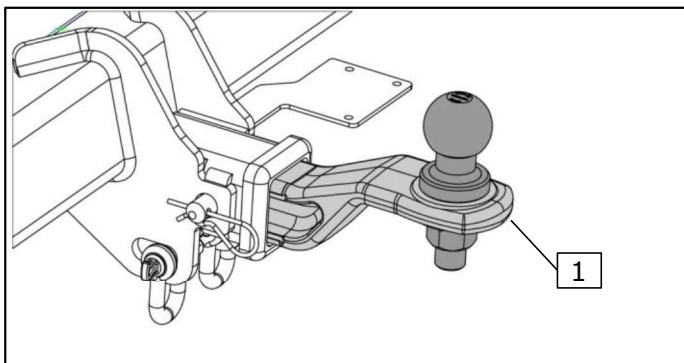
	Work carefully using a protective cover to prevent the vehicle from scratches and dirt.		Wipe off the dirt of the product using a sponge with a neutral detergent. Do not use organic solvents such as thinner, acids and alkalis.
	When removing and reinstalling the vehicle body parts, refer to the vehicle's workshop manual.		When installing the parts and reinstalling the removed vehicle body parts, be careful not to let vehicle harnesses be caught and pinched between parts.
	Be careful not to make a mistake when reinstalling the clips, screws, etc. removed from the vehicle.		When jacking up the vehicle, make sure to use wheel chocks and work on a flat place.
	Remove dirt and oil on the surface where the parts are installed with a tape or double-sided tape completely.		Tighten securely parts which the tightening torque is indicated according to the specified torque.
	When removing connectors, hold the connector bodies and unlock without pulling on harnesses. Do not destroy the connector lock by prying with a screw driver. Keep the harnesses away		Do not pull on wiring harnesses strongly.

Installation procedure

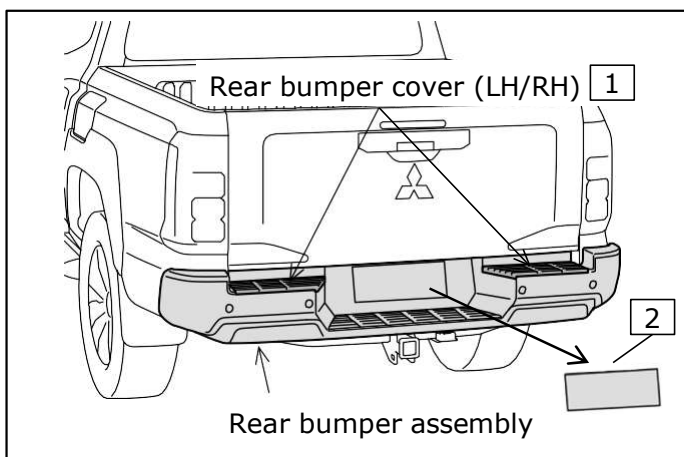
A. Removal of vehicle parts

The work differs depending on whether the vehicle is already equipped with a Towbar or when the Towbar is installed at the same time.

- For vehicles already equipped with Towbar, do the step 1) to 5).
- When installing Towbar at the same time, Rear Protection Side Arms (Item 2) should be installed during towbar installation to avoid unnecessary rework.



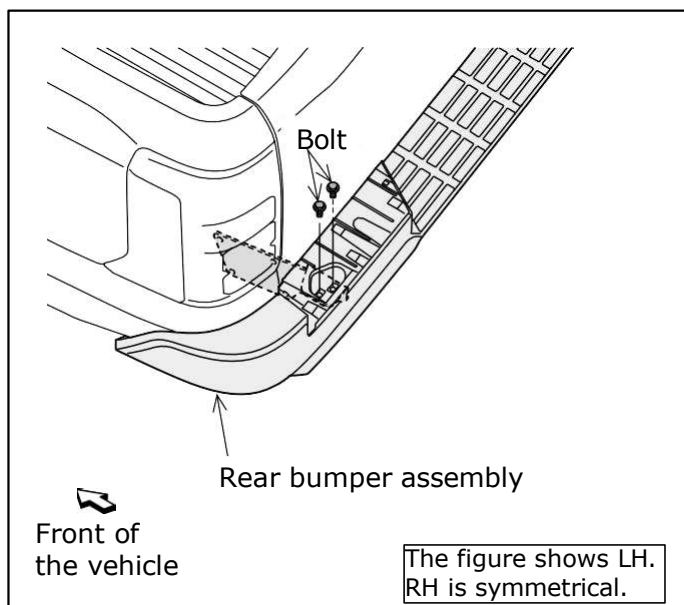
- 1) Remove Towball Ball Mount (1) – if fitted.



- 2) Remove the rear bumper cover (LH/RH) (1) from the rear bumper assembly.
Remove the Number Plate (2).

Note

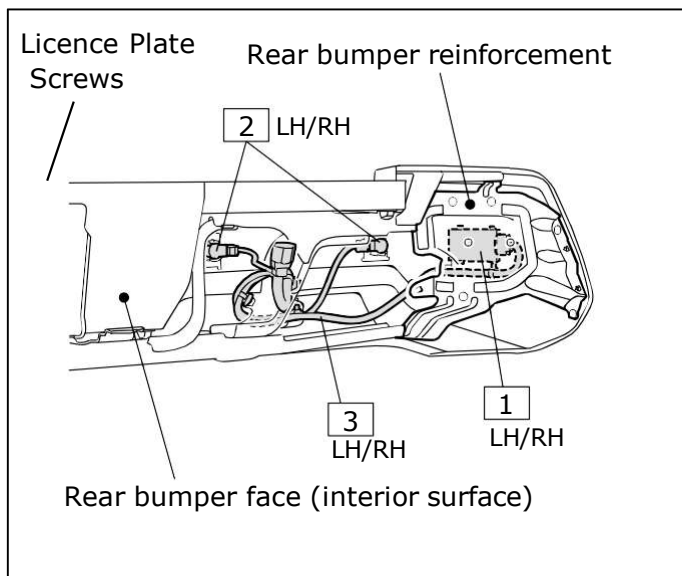
- Refer to vehicle's workshop manual how to remove vehicle parts.
- The removed bumper covers are not necessary.



- 3) Remove the bolt (2 places each on the left and right) shown on the left figure and remove the rear bumper assembly from the vehicle.

Note

- Disconnect the Bumper harness.
- The removed bolts are not necessary.

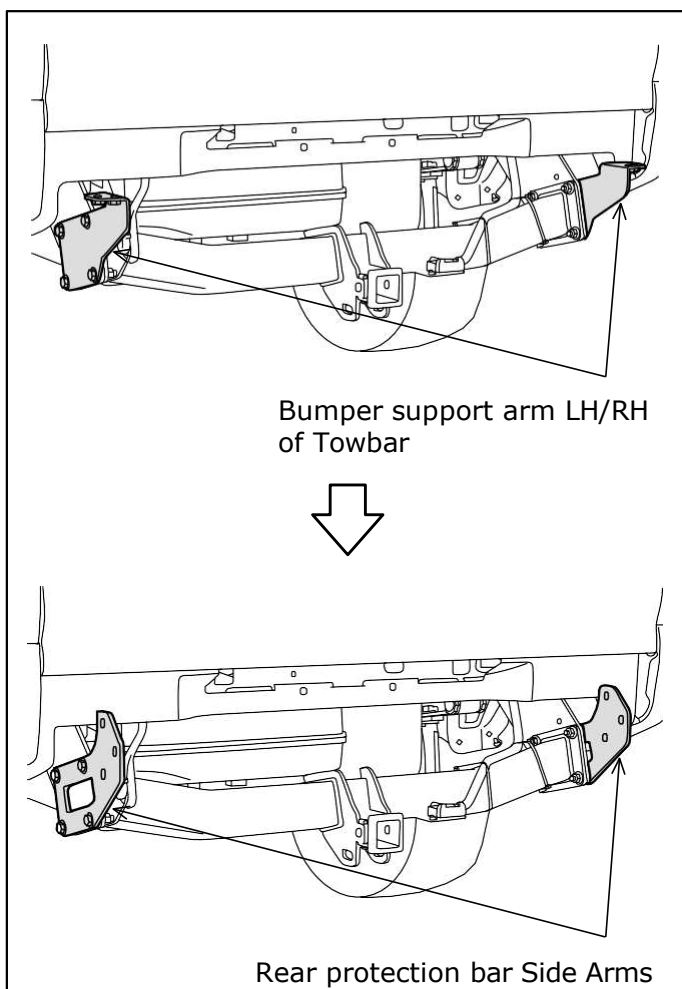


4) Remove the following parts where attached on the rear bumper face (interior surface).

- | | |
|---|----------------------------------|
| 1 | BSW-Radar LH/RH |
| 2 | Rear parking sensor LH/RH |
| 3 | Rear bumper wiring harness LH/RH |
| 4 | Licence plate screws |

Note

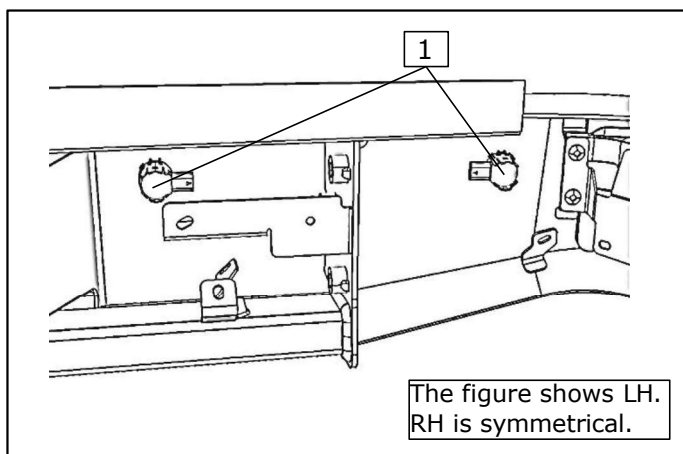
- Refer to vehicle's workshop manual how to remove vehicle parts.
- The removed parts will be reuse, but the rear bumper face and rear bumper reinforcement can be discarded.



5) Replace the Towbar bumper support arm LH/RH to the Rear protection bar side arm.

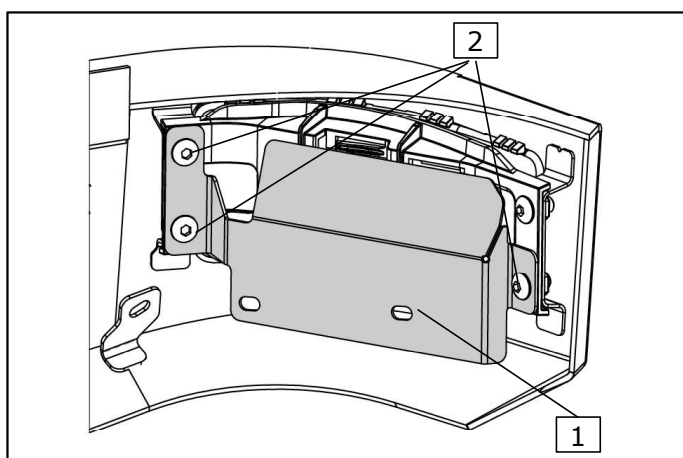
Note

- Refer to the Towbar installation manual for how to install the Rear protection bar side arm.
- The removed Towbar bumper support arm LH/RH can be discarded.

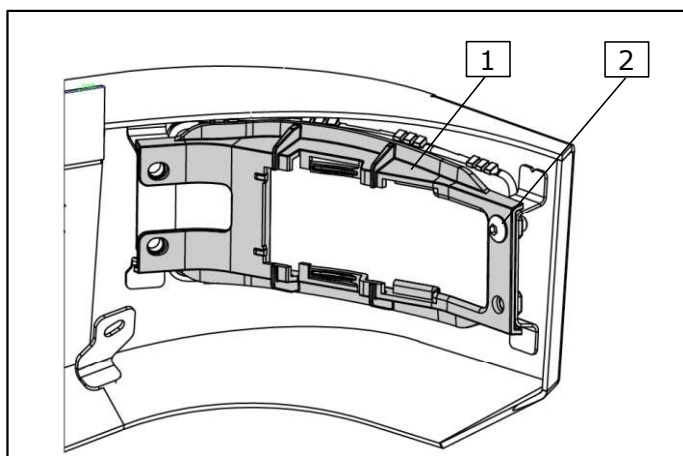


B. Installation of Rear Protection Bar

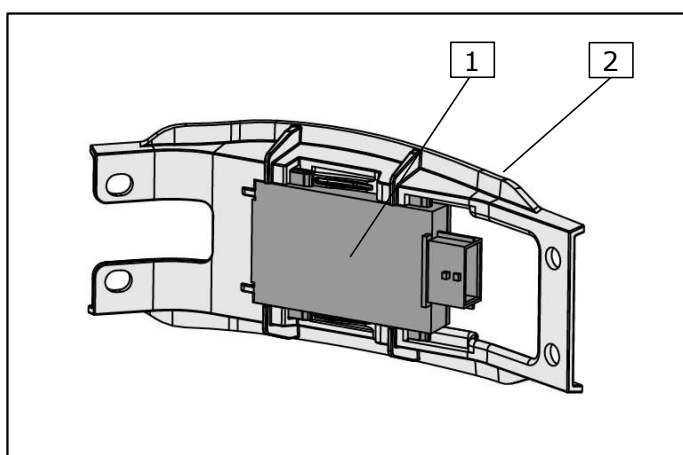
- 1) Install parking sensors (1) removed from bumper into Rear Protection Bar bezels (4 places).



- 2) Remove stone guard (1) and 3 x M8x16 screws (2).



- 3) Remove radar support bracket (1) and 1 x M8x16 screw (2).

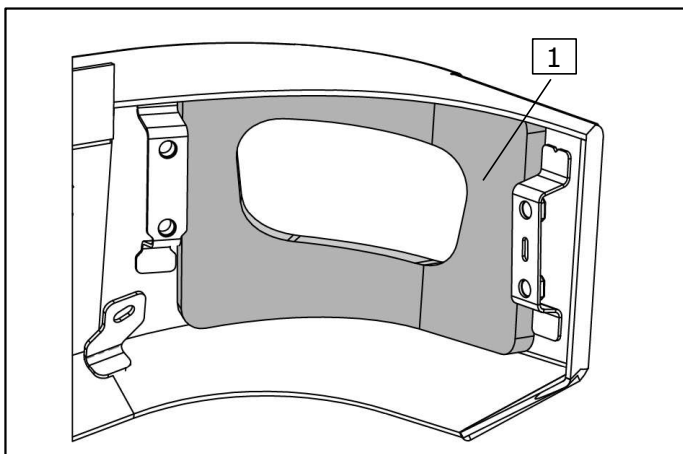


- 4) Install BSW radar (1) into Radar support bracket (2).

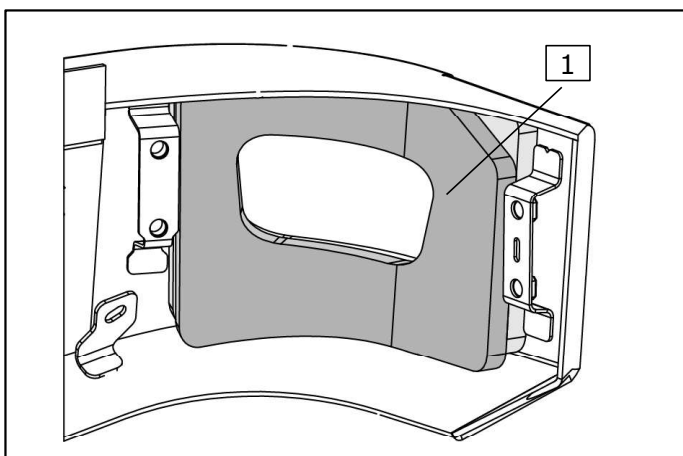


Note

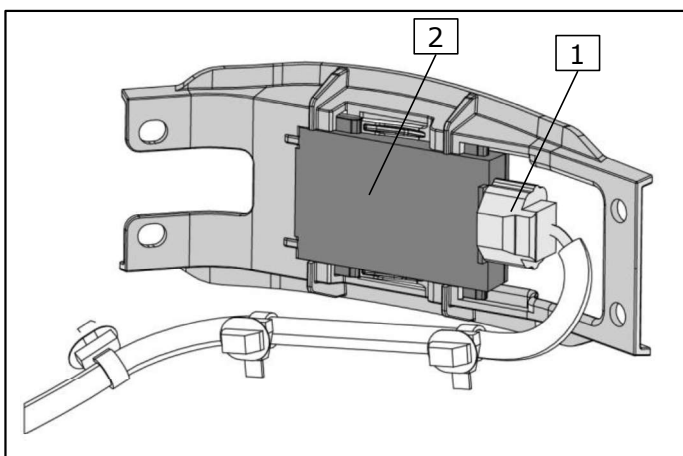
- Care should be taken not to damage clips on radar support bracket when installing radar.



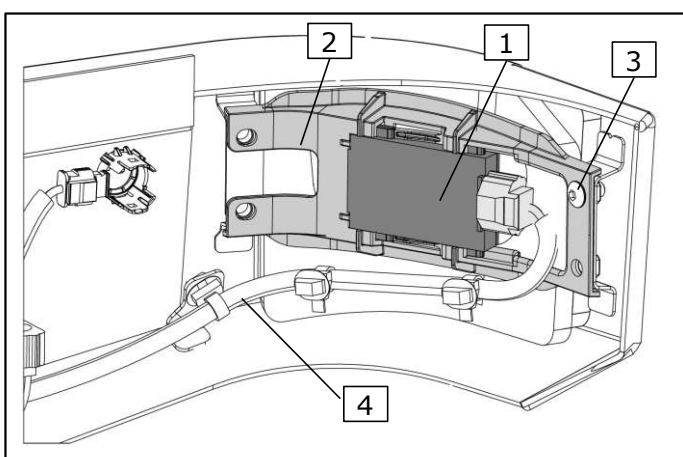
5) Install the Sealing Foam A (1) by placing in position.



6) Install the Sealing Foam B (1) by placing in position.



7) Prior to installing BSW radar & Radar support bracket, connect the wiring harness (1) to the BSW radar (2).

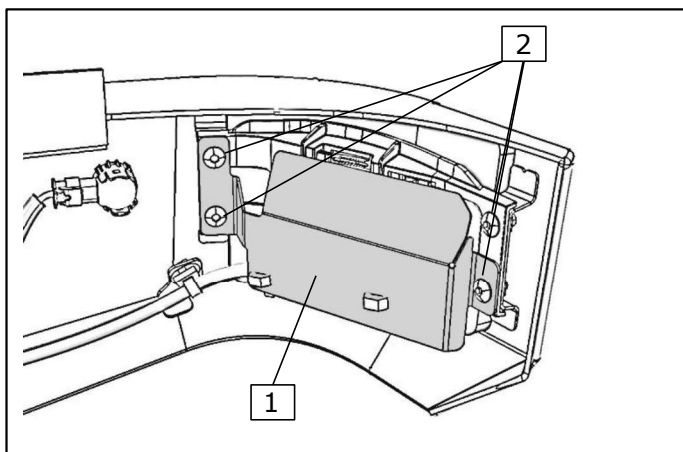


8) Install BSW radar (1) & Radar support bracket (2). (Assembled in Step 4 & 7) using 1 x M8x16 screw (3).

Install remainder of harness (4) to parking sensors and Rear Protection bar using harness clips.

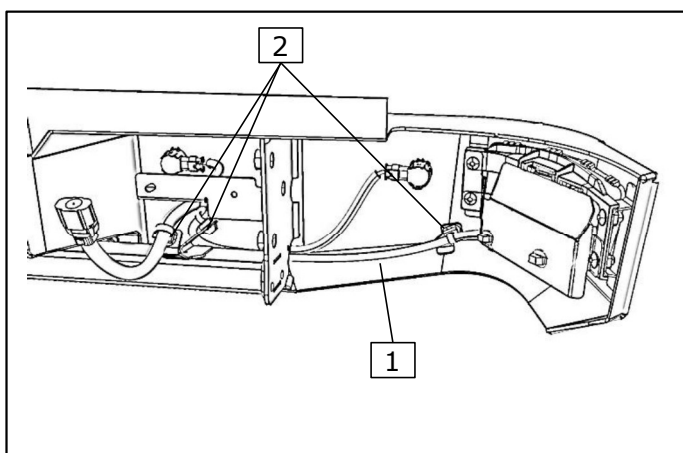
Note

- Radar support bracket holds foam in place.

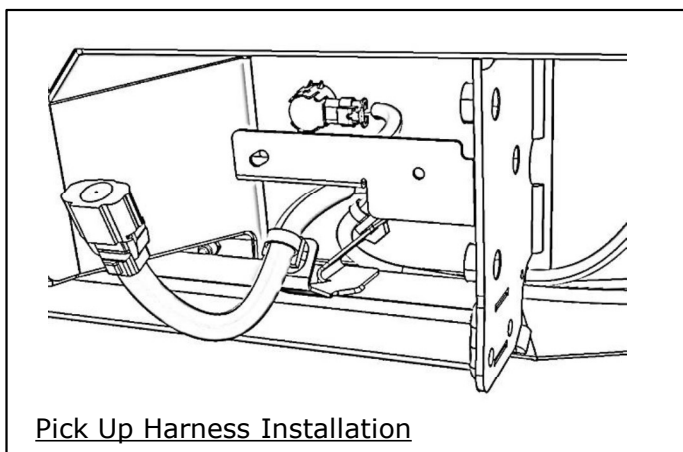


- 9) Reinstall stone cover (1) ensuring harness is clipped to cover before assembly.

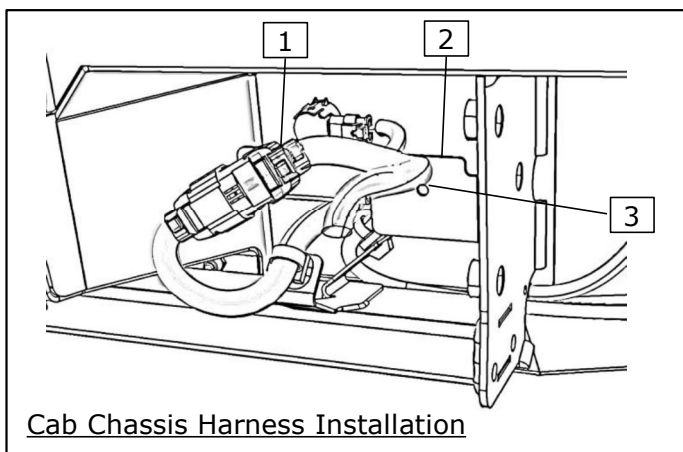
Torque M8 screws (2) to 6Nm \pm 1



- 10) Install bumper harness (1) with clips to mounting brackets (2). Ensuring that parking sensors are connected to harness.

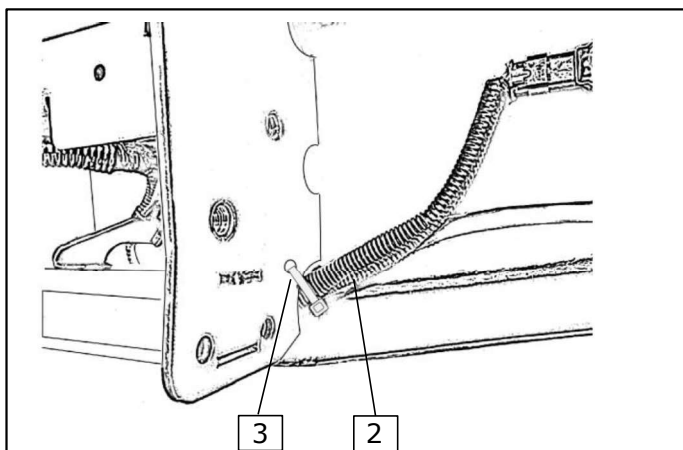


- 11) When installing to pick up, harness should be installed as shown.

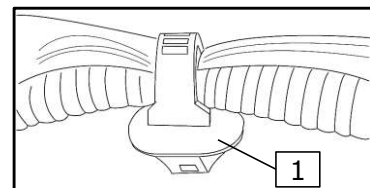


- 12) When installing to Cab Chassis, vehicle harness (1) should be secured to mounting bracket (2), using cable tie (3).

Cable tie should be placed through hole and around harness. LH only

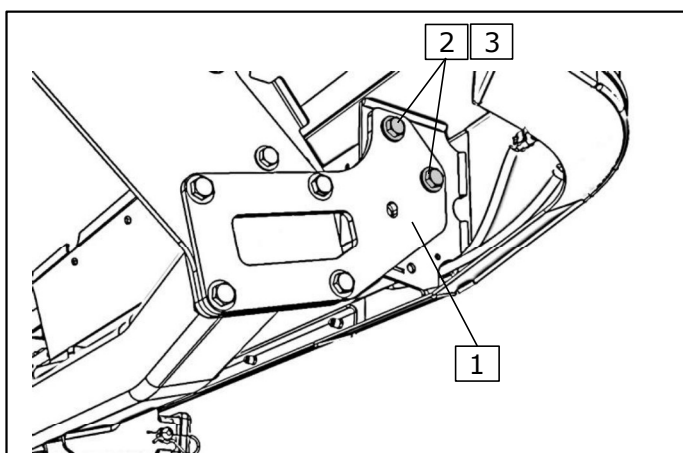


- 13) Remove Harness Clip from Harness (1). Wrap PVC coated harness with corrugated tube (2) and secure with cable tie (3) through hole in mounting plate.

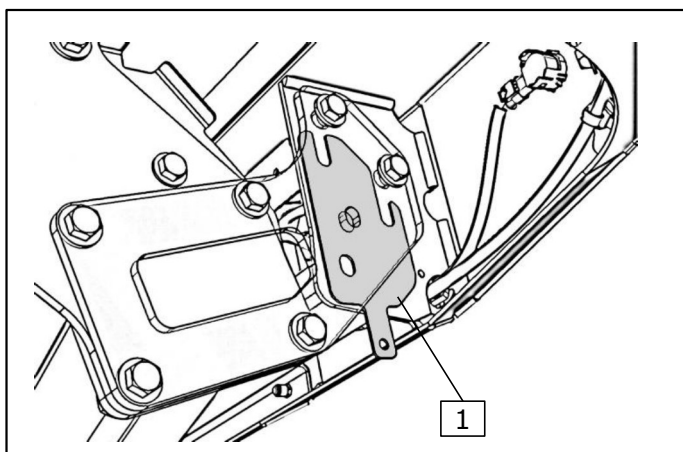


Note

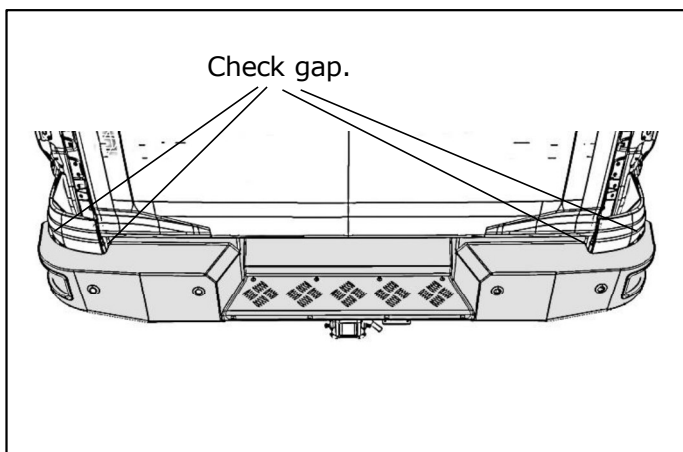
- Repeat harness installation on RH side as symmetrically opposite of LH as shown.



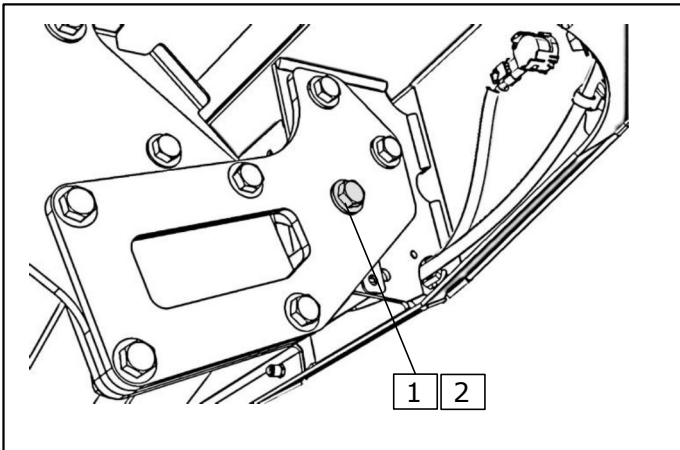
- 14) Install Rear Protection Bar to mounting bracket (1) using 2 x M12x45 Screw (2) and M12 washer (3). Loosely install fasteners.



- 15) Add 2mm Spacer plates (1) as required to maintain consistent gap to tub (pick up only).



- 16) Check gaps and adjust spacer plates as required.

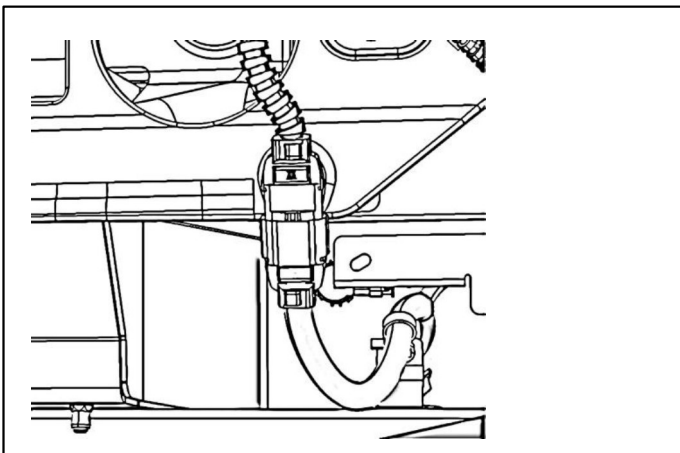


17) Install M12x45 Screw (1) and M12 washer (2).

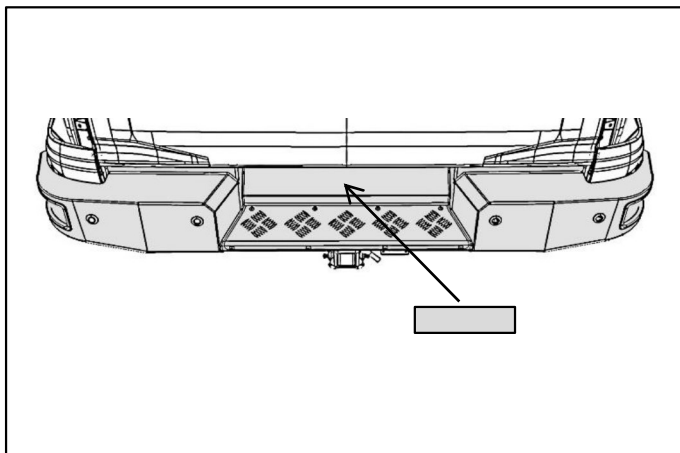
Torque all M12 screws to 125Nm \pm 3
including the towbar mounting screws.

Note

- LH side shown, RH side symmetrically opposite.



18) Ensure LH & RH bumper harness is
reconnected to the vehicle side harness.



19) Re-Install Number Plate.

Confirmation after installation

- 1) Confirm all bolts are torqued as specified.
- 2) Install license plate using OE fasteners.
- 3) Confirm all electrical harnesses have been connected.
- 4) Confirm rear parking sensors operational.
- 5) Confirm RCTA radar calibration complete.
- 6) Place the Installation and Owner's manual into the vehicle glove compartment after towbar installation complete.

Warning

It is recommended to retighten all fixing points in accordance with prescribed tightening sequence in this fitting instruction after the side protection bar has been in use for approximately 1000km.



0km --> 1000km