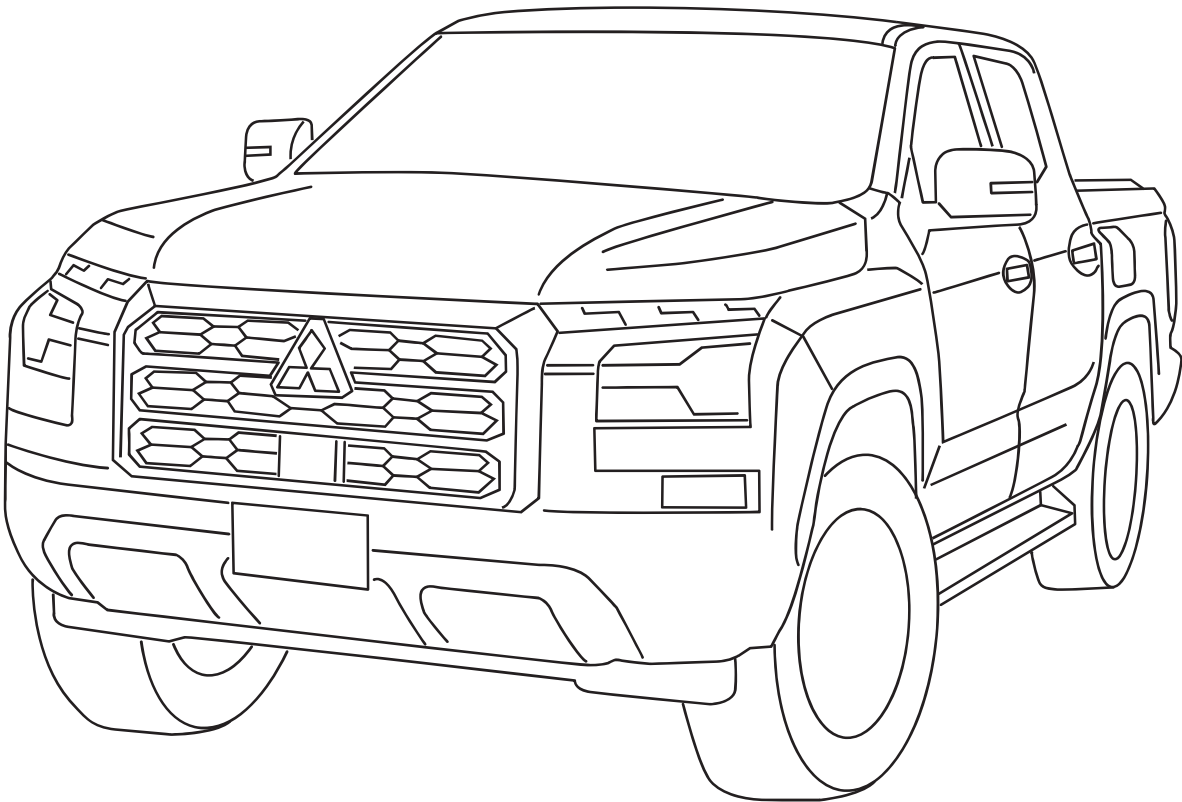









Snorkel Air Intake Kit

Installation and Owner’s manual

LA0 - Parts No. MZ350764

- 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.



								
MZ350764	✓	✓	✓	✓	✓	✓	✓	

General Care



General Notes

- Vehicle water wading depth is unchanged with the installation of this accessory.
- Ensure all recyclable discarded vehicle accessory components and packaging are recycled following local recycling regulations.
- Safely store and protect any removed vehicle components.
- Ensure all bare metal surfaces are protected using Automotive Bare Metal Primer and touch-up paint.
- Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.

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.



This symbol indicates torque setting for bolts and nuts.

Precautions for installation

Warning



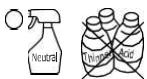
Perform the installation indoors that is large enough without worrying about the rain and wind. Make sure the work area is well ventilated and take special care for the fullness of exhaust gas.

- 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.



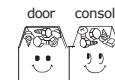
Wipe off the dirt of the product using a sponge with a neutral detergent. Do not use organic solvents such as thinner, acids and alkalis.



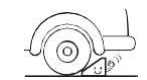
When removing and reinstalling the vehicle body parts, refer to the vehicle's workshop manual.



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



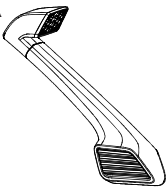

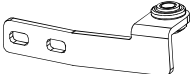
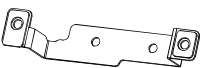
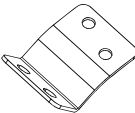
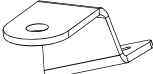
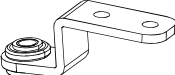



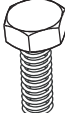






Do not pull on wiring harnesses strongly.

Safety Notes


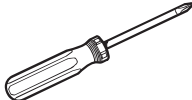
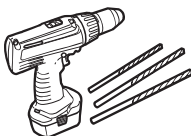

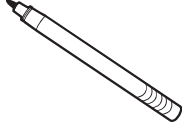


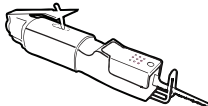
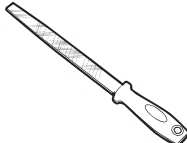
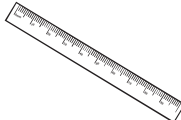
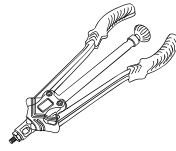
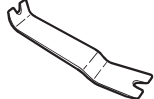


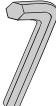
- Check that all work practices comply with safety standards.
- Please wear appropriate clothing and use safety equipment.



Parts Supplied

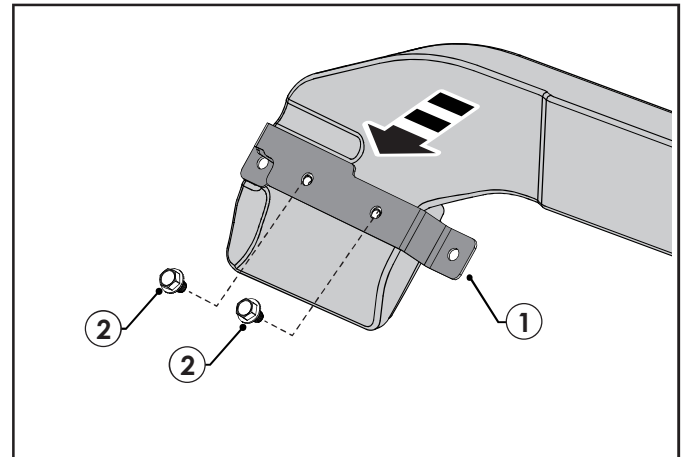
 <p>Snorkel x1</p>	 <p>Inner Tube x1</p>	 <p>Bracket #1 x1</p>	 <p>Bracket #2 x1</p>	 <p>Bracket #3 x1</p>	 <p>Bracket #4 x1</p>
 <p>Bracket #5 x1</p>	 <p>M6x12 Socket Screw x2</p>	 <p>M6x8 Phillips Screw x2</p>	 <p>M8x12 Serrated Flange Bolt x6</p>	 <p>M8x40mm Hex Bolt x1</p>	 <p>M6 Washer x2</p>
 <p>M8 Washer x1</p>	 <p>M6 Nutsert x2</p>	 <p>M8 Nylock Nut x1</p>	 <p>Rivet x2</p>	 <p>M8 Serrated Flange Nut x2</p>	

Tools and Materials Required

 <p>Ratchet & Sockets</p>	 <p>Phillips No 3 Screwdriver</p>	 <p>Drill & Ø5mm, Ø9mm & Ø12mm Drill Bit</p>	 <p>Scissors</p>	 <p>Felt Tip Marker</p>	 <p>Zinc Rust Inhibitor</p>
 <p>Automatic Centre Punch</p>	 <p>Reciprocating Saw</p>	 <p>Flat File</p>	 <p>Ruler</p>	 <p>Nutsert Tool & M6 Fitting</p>	 <p>Plastic Pry Bar</p>
 <p>Masking Tape</p>	 <p>Rivet Gun</p>	 <p>Key Wrench 4mm</p>			

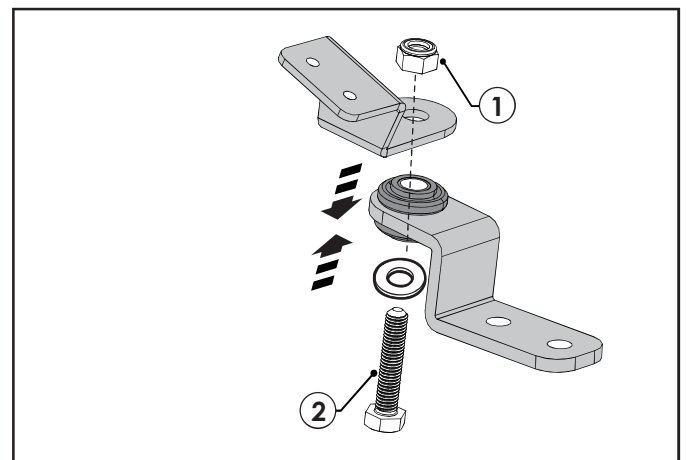
Step 1

- Loosely assemble Bracket #2 (1) to the Inner Tube using the 2 x M8 Flange Bolts (2).



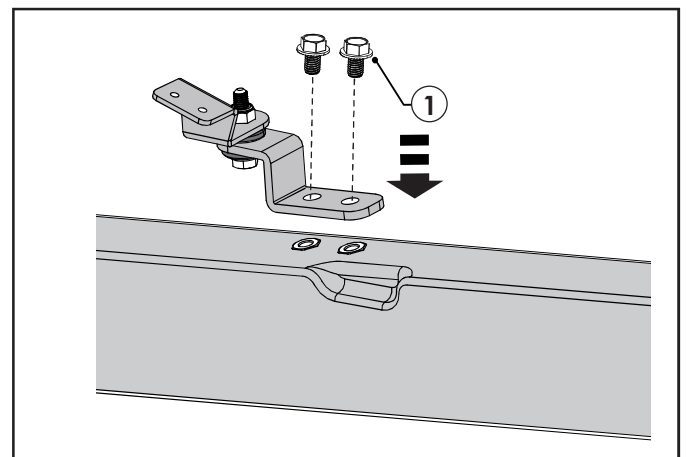
Step 2

- Loosely assemble Bracket #4 and Bracket #5 using the M8 Nyloc Nut (1) M8 Hex Bolt (2) and M8 washer.



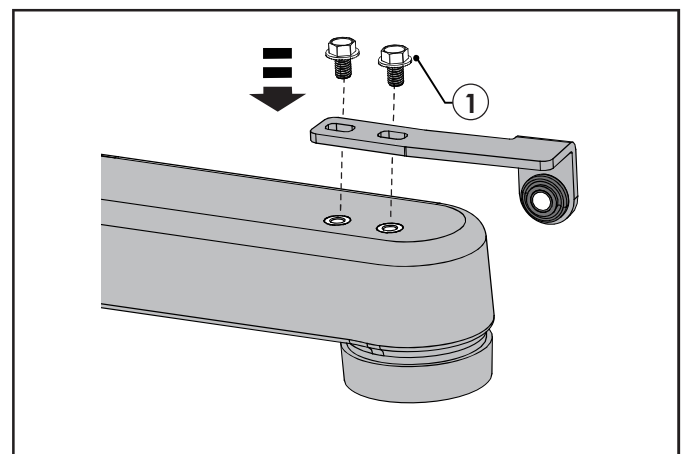
Step 3

- Loosely assemble Bracket #4 and #5 assembly from previous step, to Inner Tube using two M8 x Flange Bolts (1).



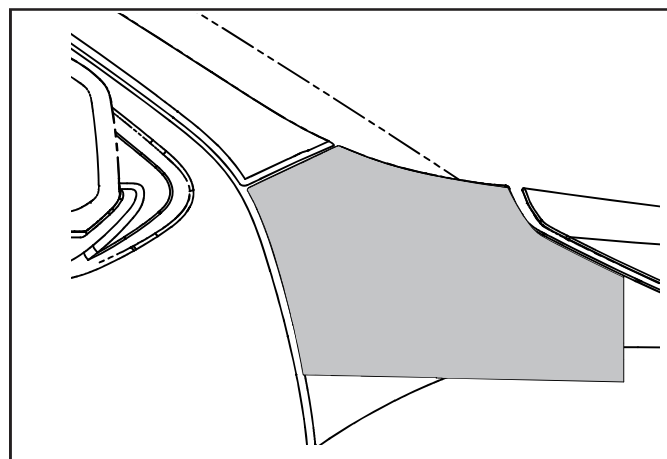
Step 4

- Loosely assemble Bracket #1 to Inner Tube using the 2 x M8 x Flange Bolts (1).



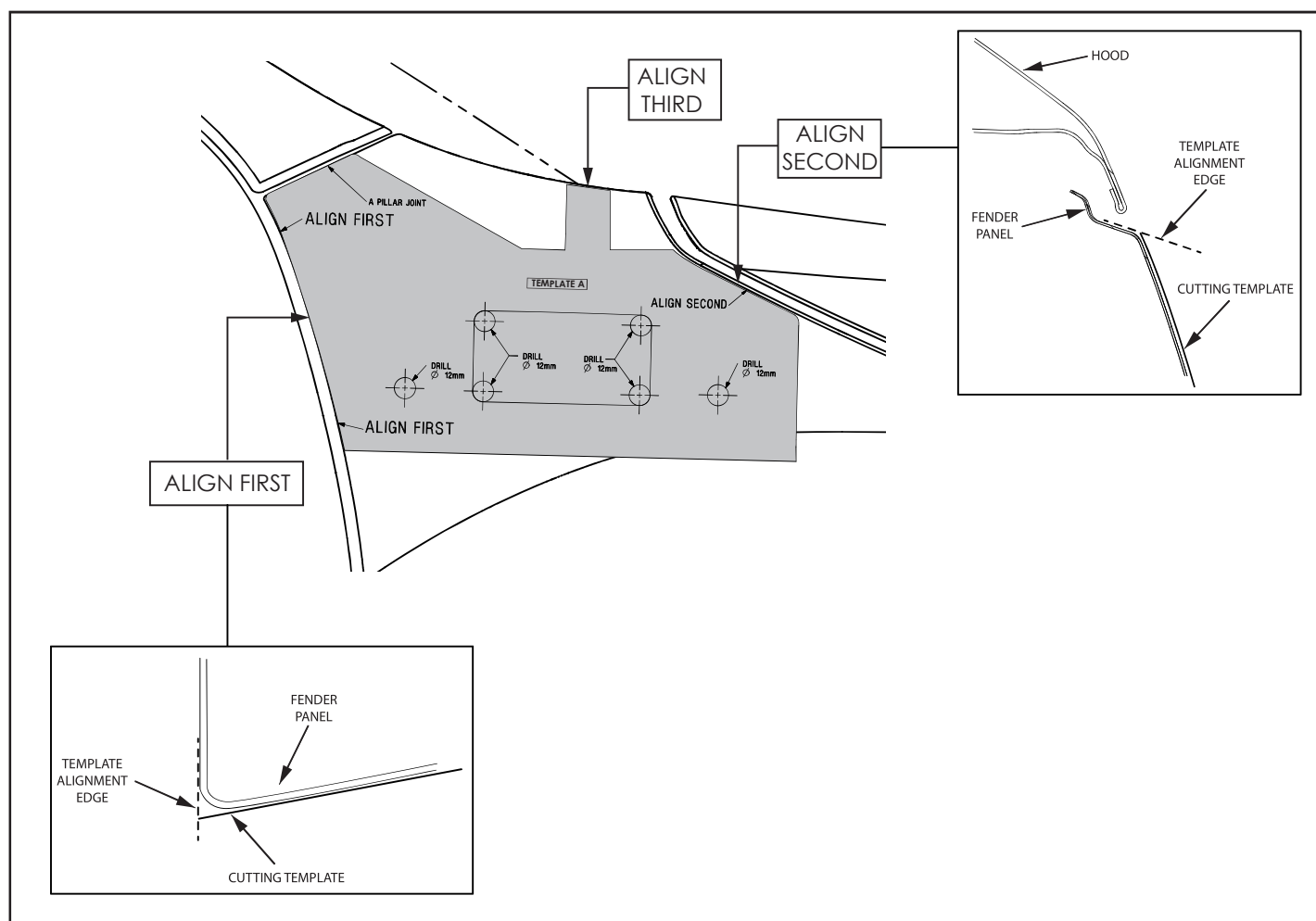
Step 5

- Apply Masking Tape over the shaded area.
- Cut-out the paper Template A & B from the last page.



Step 6

- Place the Template A on the fender as shown and align the edge marked 'Align First' with the back edge of the Fender as shown.
- Align the edge marked 'Align Second' with the top of the Fender where it meets the Engine Hood as shown.
- Align the template at the A-pillar and 'Align Third' the top tab to the edge of the fender.
- Fix the Template to the vehicle using Masking Tape.



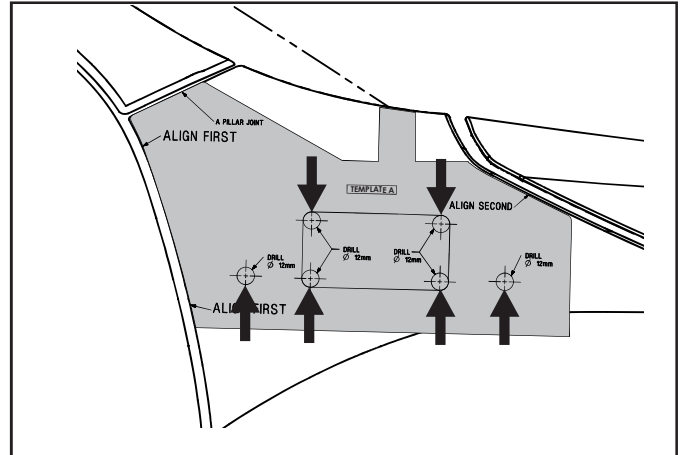
Step 7

- Use a Centre Punch to mark the centre of each hole on the Fender Cutting Template.
- Drill a $\varnothing 5\text{mm}$ Pilot hole at the holes shown on the Fender Cutting Template.
- Drill the $\varnothing 12\text{mm}$ holes each of the pilot drilled holes.

Important

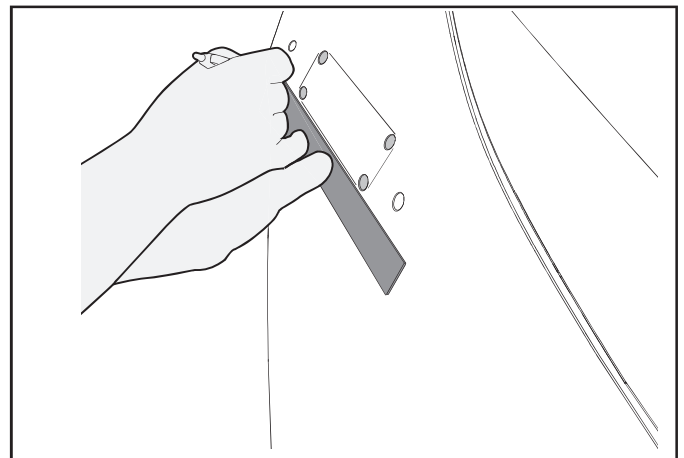


Before Drilling any holes place a Drill Stop at 10mm depth.



Step 8

- Remove the Cutting Template.
- Use a Ruler and Felt Pen to mark the vertical and horizontal lines connecting the 4 x holes for the rectangular cut-out.



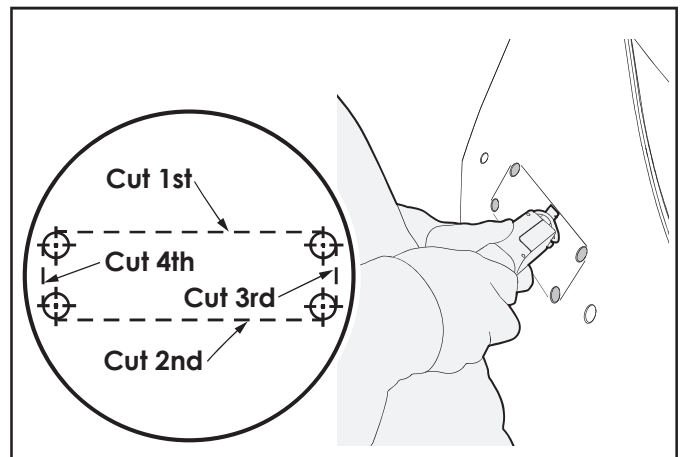
Step 9

- Use a Sheet Reciprocating Saw to cut the rectangular cut-out in the sequence shown.
- Remove Masking Tape.

Important

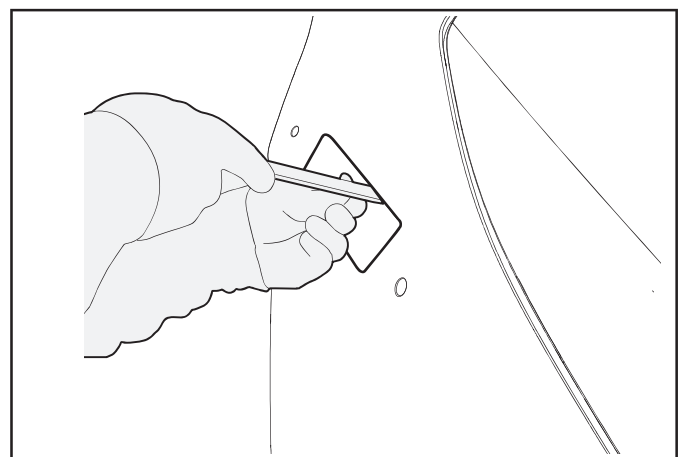


Ensure that cutting depth does not exceed 10mm MAX



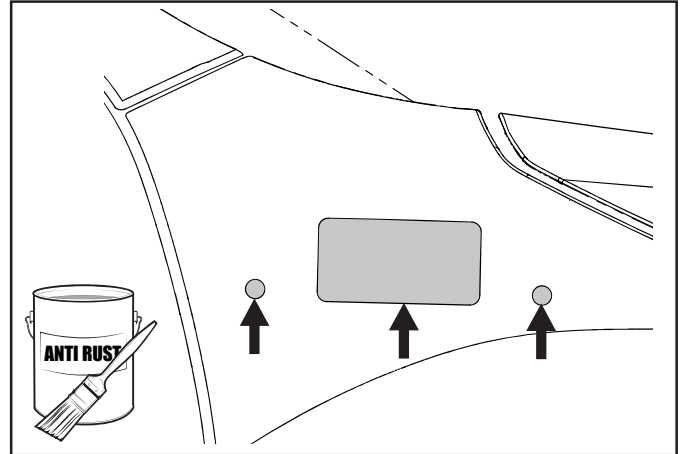
Step 10

- Remove any rough edges in the corners with a Round File.
- Ensure that the hole for the rectangular cut-out is completely cut using a Flat File.
- Deburr all holes.
- Vacuum out all swarf behind fender panel.



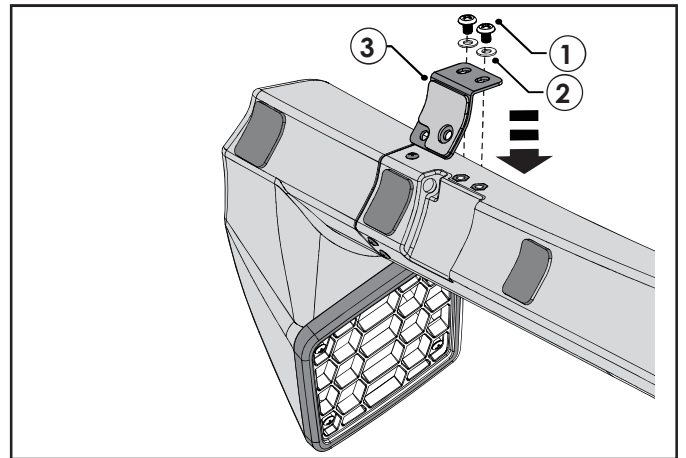
Step 11

- Touch-up any bare metal around the previously drilled and cut holes with Rust Inhibitor paint (not supplied).



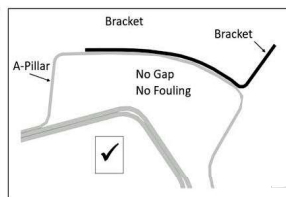
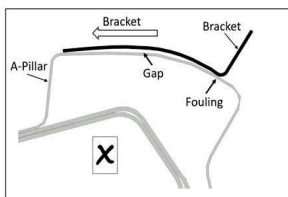
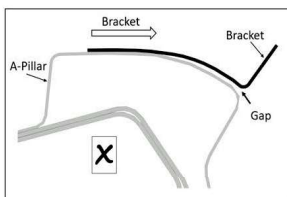
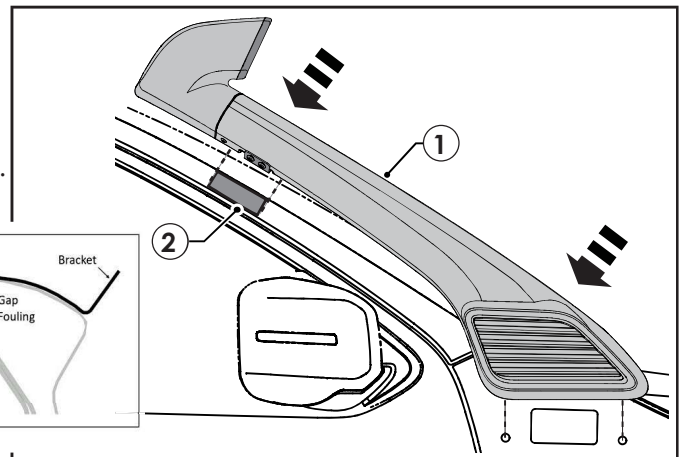
Step 12

- Attach the Bracket #3 (3) to the Snorkel Body using the 2 x M6 Phillips Screws (1) and 2 x M6 washers (2).



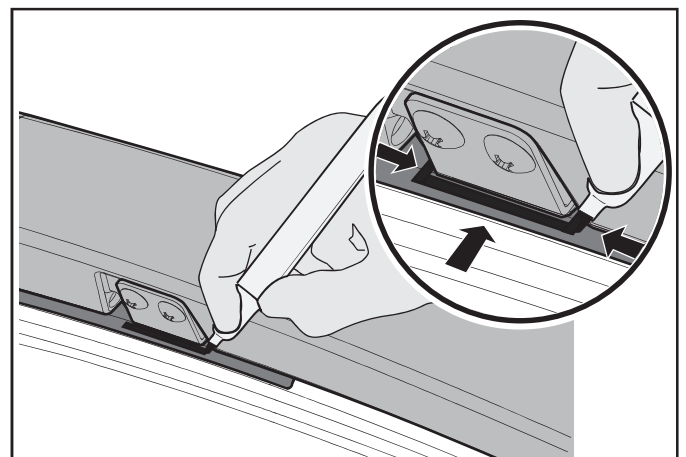
Step 13

- Apply Masking Tape in the shaded area of A-Pillar (underneath A-Pillar Bracket #3 location) as shown (2).
- Place the Snorkel Body (1) on the A-Pillar, ensure that the Snorkel Body and studs pass through the previously drilled holes and Bracket (3) shape fits the A-Pillar profile.



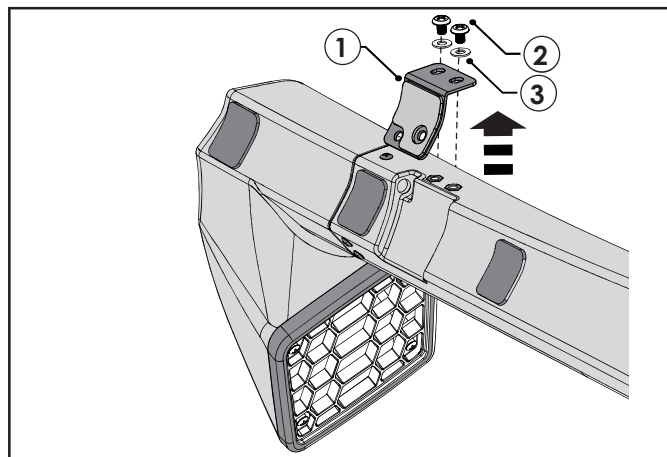
Step 14

- Mark the main edge of the Bracket #3 using a Felt Pen onto the Masking Tape.
- Mark the top and bottom corners of the Bracket #3 onto the Masking Tape using a Felt Pen.



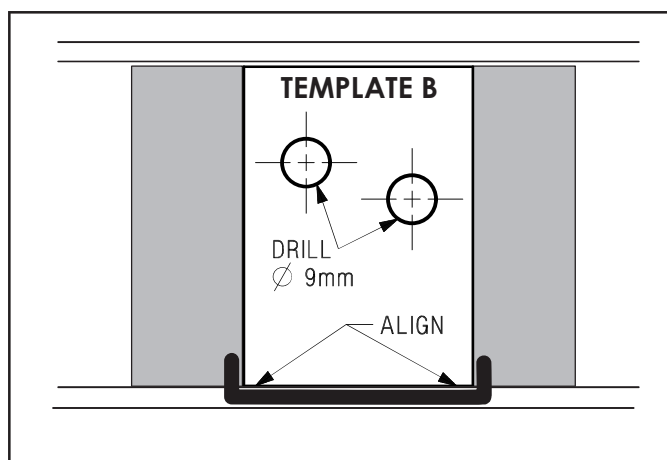
Step 15

- Remove the snorkel from the A-Pillar.
- Remove the Bracket #3 (1) from the Snorkel Body by removing the M6 Phillips Screws (2) and Washers (3). Retain the fasteners and the Bracket #3.



Step 16

- Place the paper Template B on the A-Pillar. Aligning with the previously marked edge and corners (step 14) as shown.



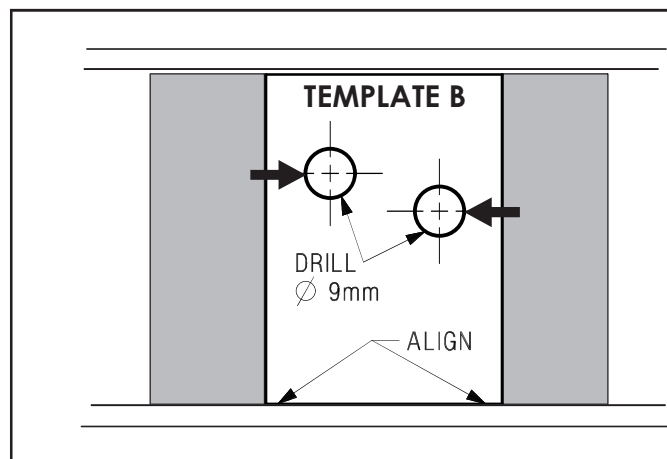
Step 17

- Use a Centre Punch to mark the centre of each hole on the Template B.
- Drill a Ø5mm Pilot holes first, followed by Ø9mm hole at the two hole locations shown on the Template B.
- Deburr all holes.

Important

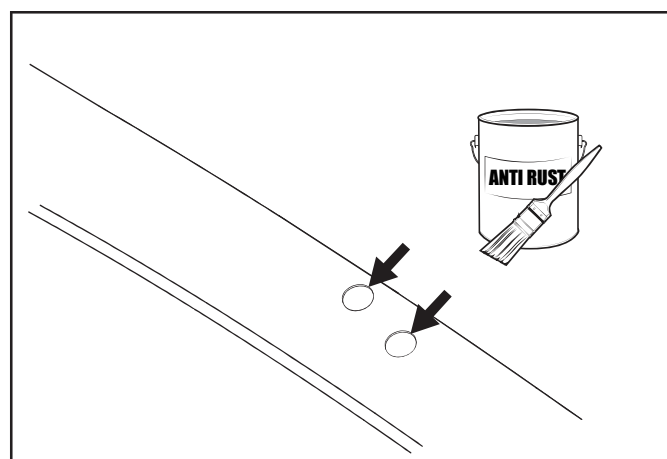


Before Drilling any holes place a Drill Stop at 10mm depth.



Step 18

- Remove the Template B and Masking Tape.
- Touch-up any bare metal around the previously drilled holes with Rust Inhibitor paint (not supplied).



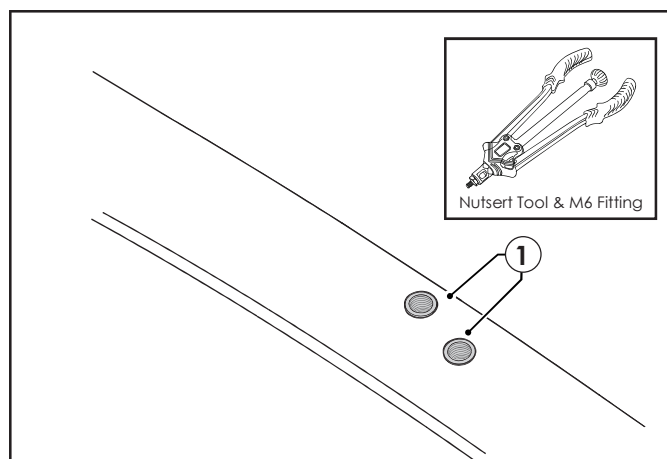
Step 19

- Install two M6 Nutserts (1) using the Nutsert Tool.

Important

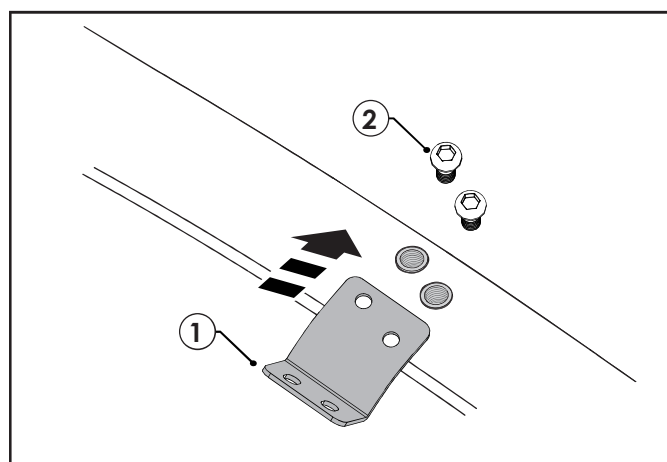


Ensure the Nutsert Insertion Tool Thread is
12mm MAX



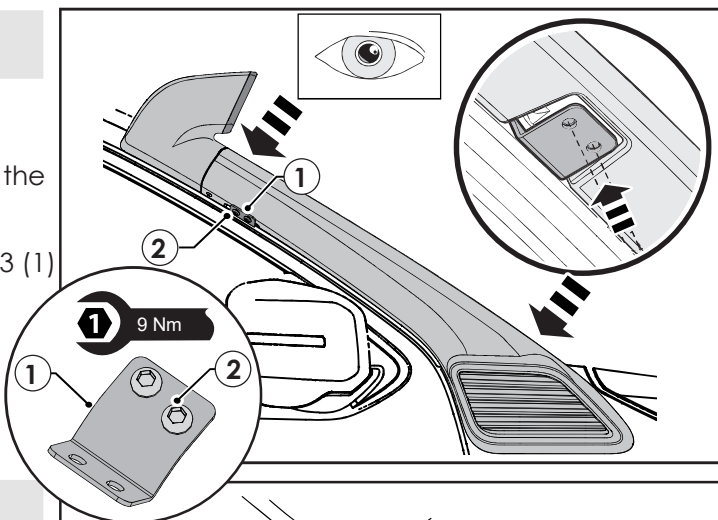
Step 20

- Install the Bracket #3 (1) onto the A-Pillar using the M6 Socket Screws (2).



Step 21

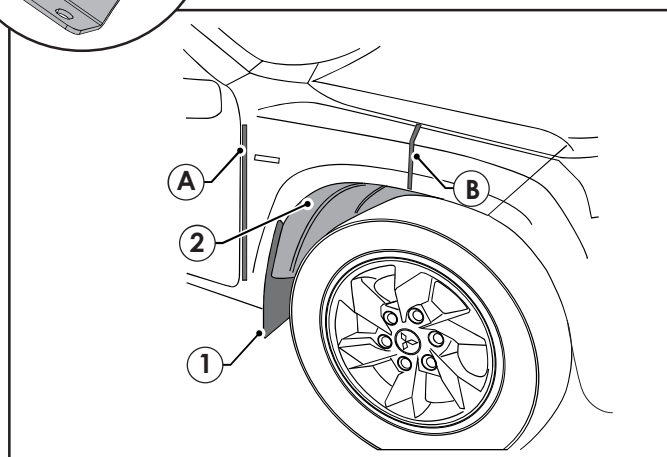
- Test fit the Snorkel on the A-Pillar.
- Check that the holes in the Bracket #3 (1) align with the Nuts in the Snorkel Body (2). Remove snorkel.
- Torque the M6 Socket Screws (2) fixing the Bracket #3 (1) onto the A-Pillar to 9Nm.



Step 22

NOTE: Components are located behind the fender.

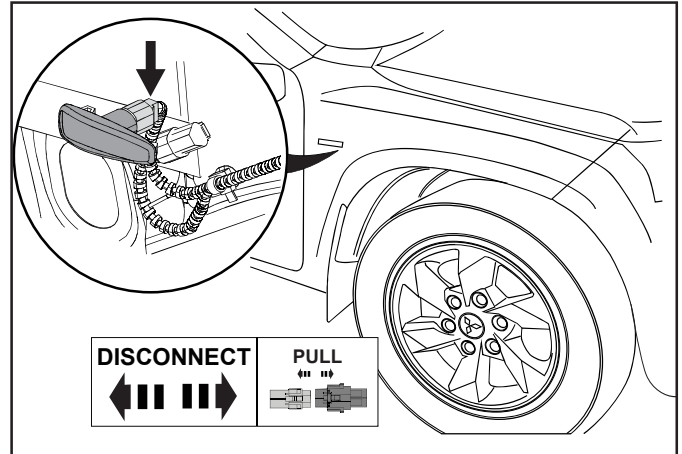
- Remove and retain the Mudflap (1) and then Fender Liner (2). Remove fender flare if applicable.
- Remove and retain the insulator (A). Remove and discard the insulator (B).
- Vacuum out all swarf behind fender panel.



Step 23

NOTE: Components are located behind the fender.

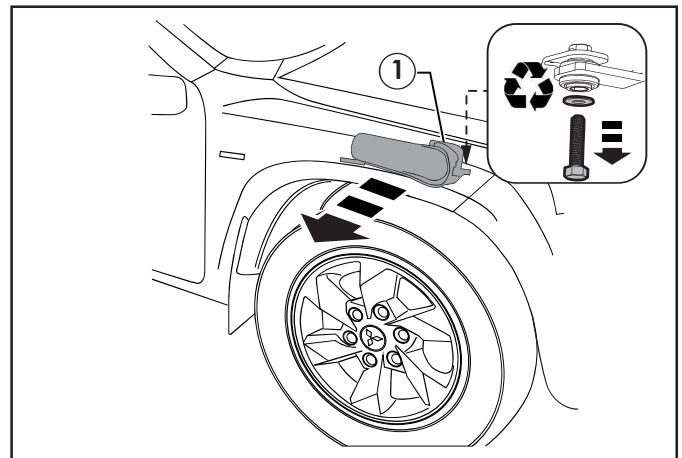
- Disconnect the Turn Lamp Connector if fitted.



Step 24

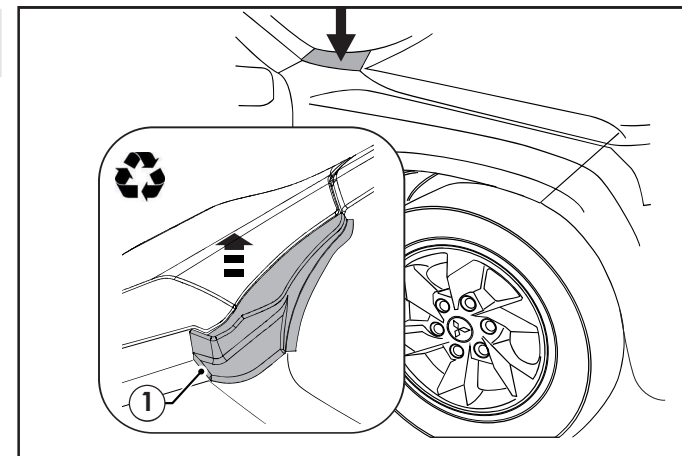
NOTE: Components are located behind the fender.

- Remove and discard the Air Intake Duct (1). Retain the M6 screw and washer.



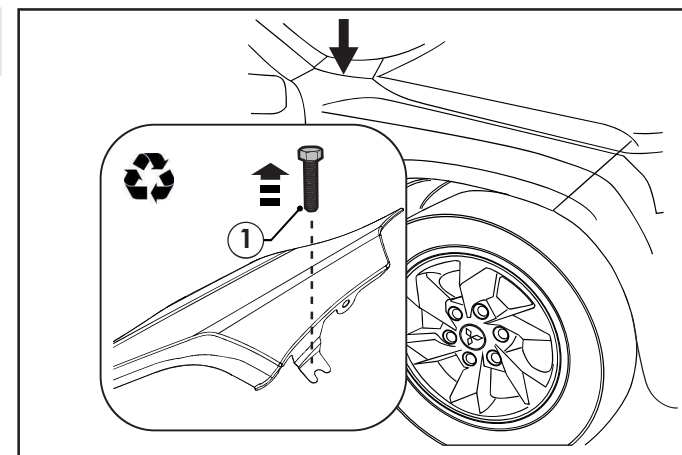
Step 25

- Remove Deck Garnish (1).



Step 26

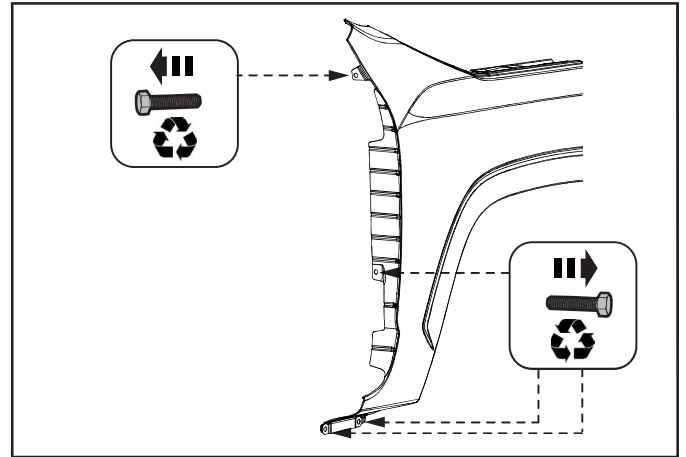
- Remove the bolt (1) fixing the Fender to the top of the vehicle chassis as shown.



Step 27

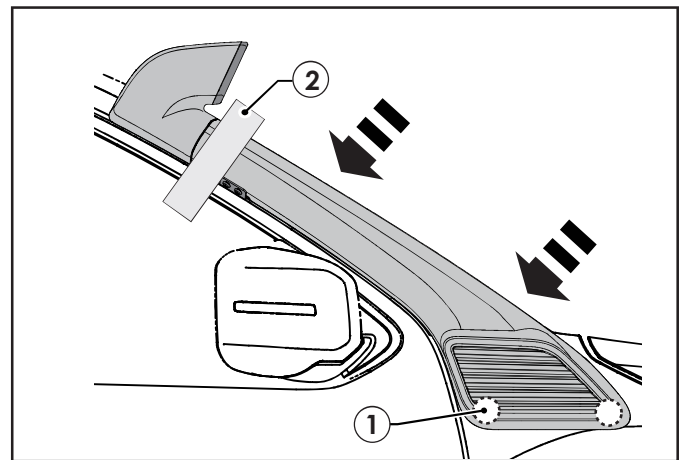
- Remove the x4 bolts fixing the Fender to the vehicle.

NOTE: This will allow the panel to be gently peeled back during the Inner Tube installation in step 29.



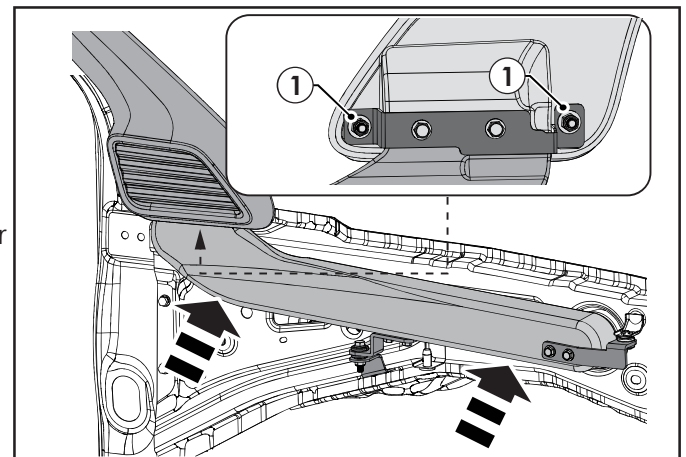
Step 28

- Fit the Snorkel to the vehicle, ensuring the studs pass through the holes (1) in the panel.
- Secure the top part of the Snorkel to the body using masking tape (2). This will hold it in place temporarily.



Step 29

- Fit the Inner Tube inside the panel (Panel not shown for clarity). Ensure the Inner Tube fits into the vehicle Air Box.
- Check the Inner Tube mates with the Snorkel. Looking up the wheel arch, align and loosely fix the Inner Tube Assembly over the Snorkel studs using the 2 x M8 Serrated Flange Nuts (1).



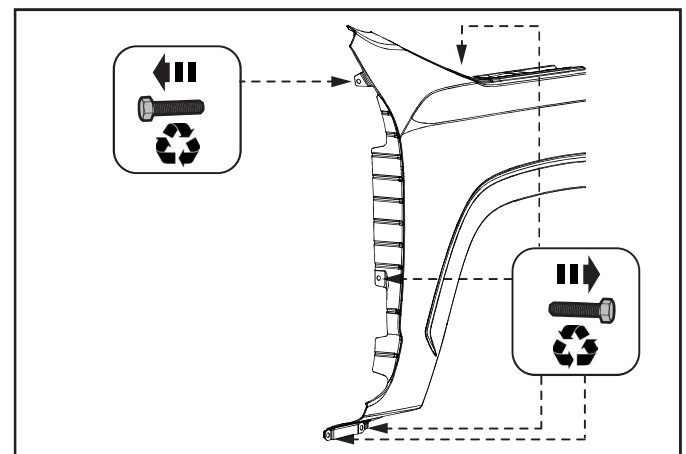
Important



Gently peel back the vehicle panel to allow the fitment of the Inner Tube.

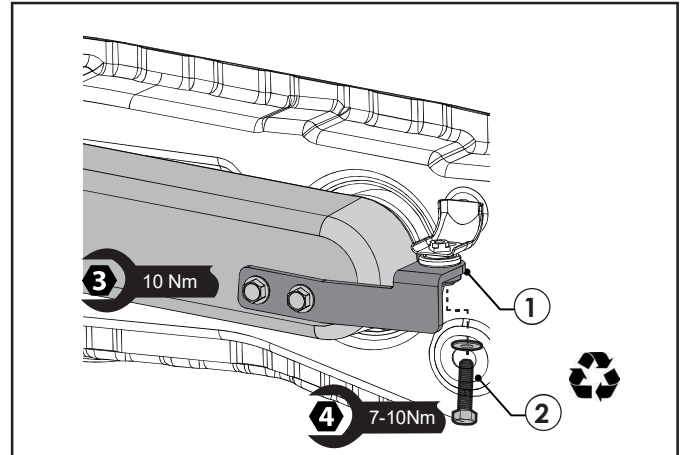
Step 30

- Loosely refit the x5 bolts fixing the Fender to the vehicle.



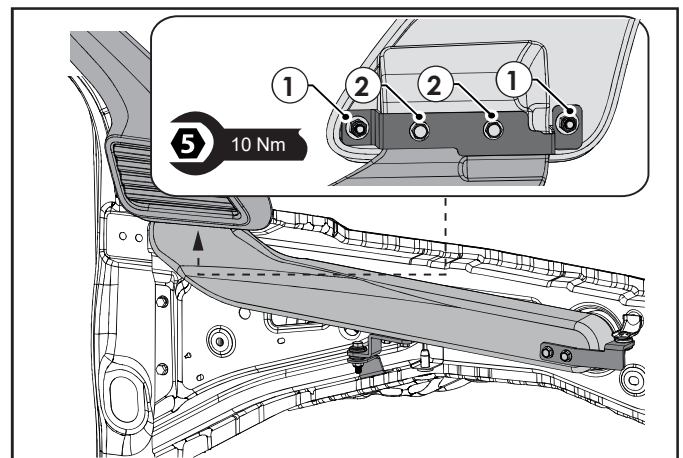
Step 31

- Position the Bracket #1 (1) assembly into the vehicle bracket which previously was holding the Air Intake Duct.
- Assemble loosely using the same bolt (2) and washer which was removed from the vehicle.
- Torque the 2x M8 flange bolts to 10Nm and bolt (2) to 7-10Nm.



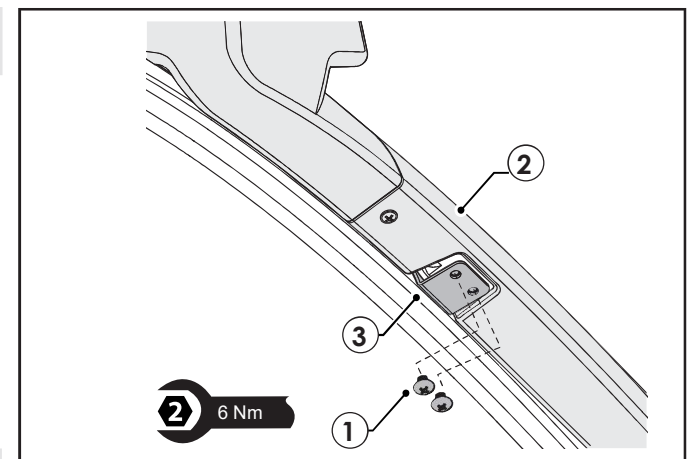
Step 32

- Torque M8 flange bolts (2) and M8 Serrated Flange nuts (1) to 10Nm.



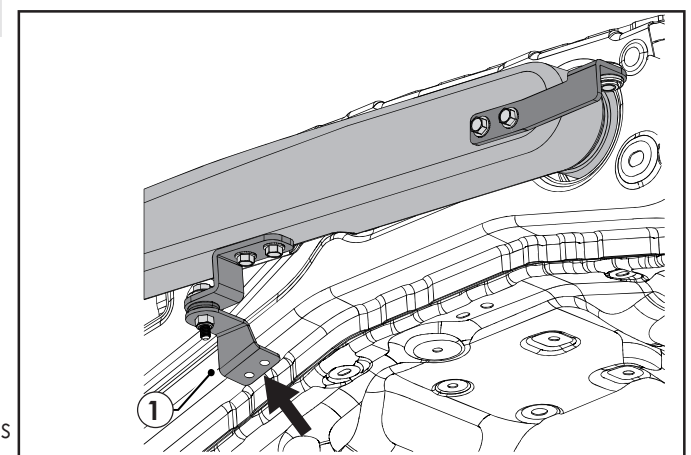
Step 33

- Install the 2x M6 Phillips Screws (1) to secure the Snorkel body (2) to the Bracket #3 (3). Remove masking tape holding the snorkel.
- Torque the 2x M6 screws to 6Nm.



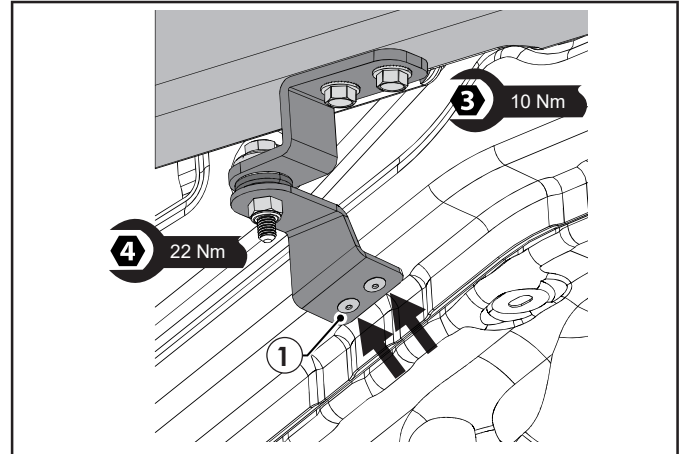
Step 34

- Align the Bracket #4 (1) centrally on the raised section of the wheel arch body panel as shown.
- Move the Bracket towards the centre of the vehicle until it nests into the corner of the body panel.
- Use a Centre Punch to mark the centre of each hole.
- Drill the 2x Ø5mm holes at the Centre punch locations and deburr.
- Spray any bare metal around the previously drilled holes with Rust Inhibiting Spray (not supplied).



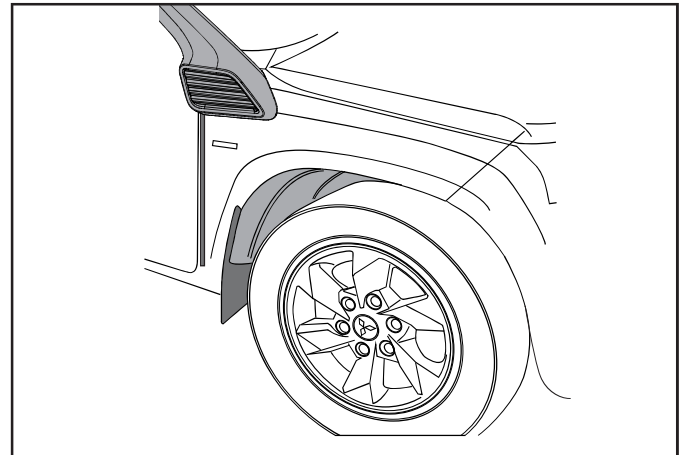
Step 35

- Secure the Bracket #4 to the vehicle body using two rivets (2).
- Torque the 2x M8 flange bolts to 10Nm.
- Torque the M8x40 hex bolt to 22Nm.



Step 36

- Reinstall the vehicle component by reversing step 22 & 23.
- NOTE: Follow the procedure as outlined in the vehicle Workshop Manual.



Important

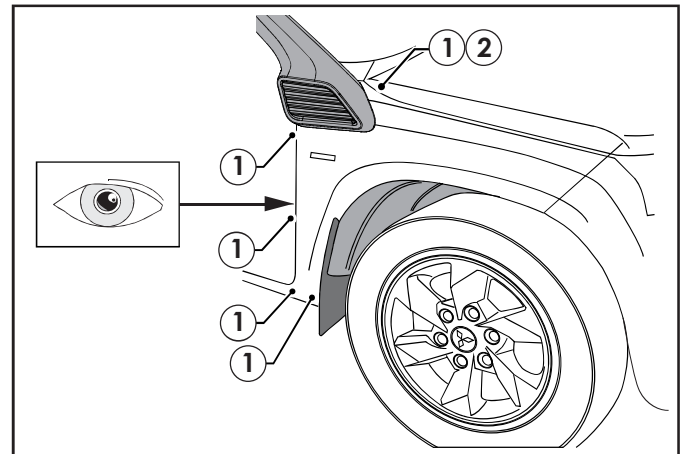


Ensure the Inner Tube is correctly mating with the Snorkel Body and Air Box. Refer to Step 29.

Step 37

- Tighten the x5 fender bolts (1) and refit deck Garnish (2).

NOTE: Ensure an even gap and flushness between the fender and door.



Please place the Installation Manual with Owner's Manual in the glove box after installation is completed.

SNORKEL CUTOUT TEMPLATES

LA0 - Parts No. MZ350764

IMPORTANT: TO BE PRINTED ON A3 PAGE.
CHECK THE RULLER BELOW, MUST MEASURE 100mm.

