



GR COROLLA DIFF LOOM INSTALL INSTRUCTIONS



The following procedure details installation of
The MoTeC Diff Loom 61623 into a 2023 - 2025 Toyota GR Corolla.

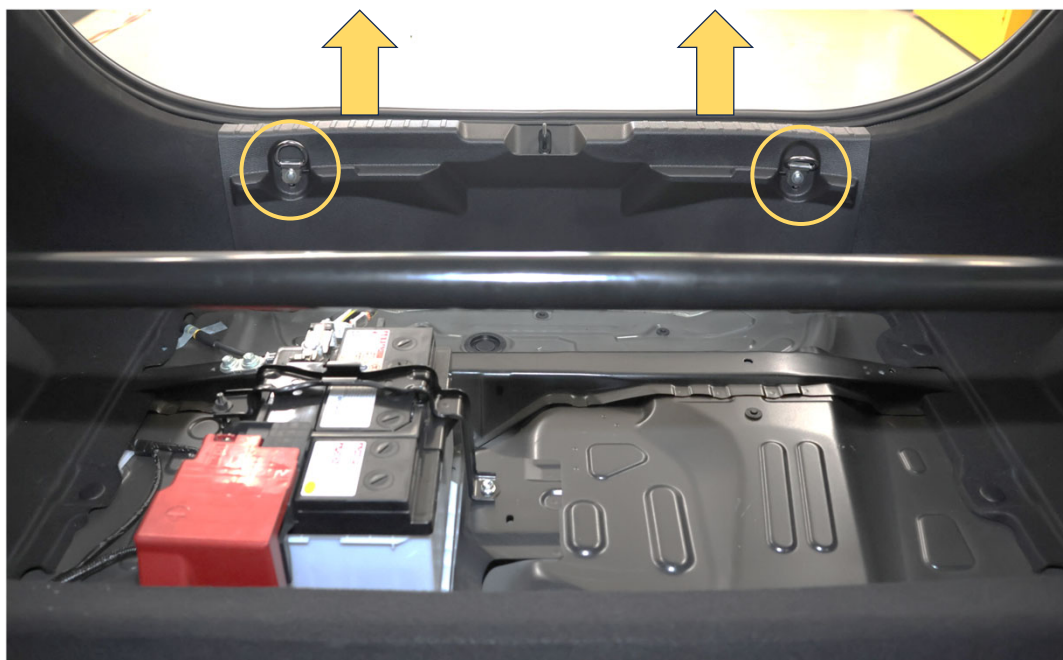
**Tools required:**

- 10mm hex socket
- 3/8 Ratchet
- 3/8 Extension
- Selection of plastic trim removal tools
- Philips head screwdriver
- Flush cutters
- Sharp blade



Remove

1. Luggage compartment floor mat.
2. Luggage compartment floor foam inlay.
3. Pull the rear door seal (yellow arrows) away at the bottom and both sides.



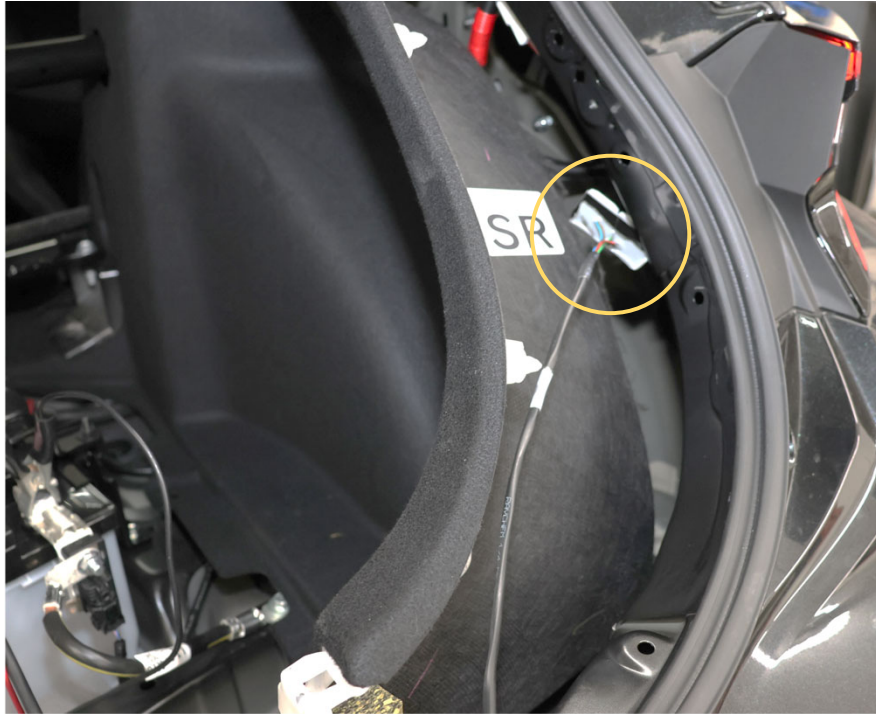
1. Remove 2 x luggage tie points 10mm head bolts.
2. Pull plastic trim straight up to remove.



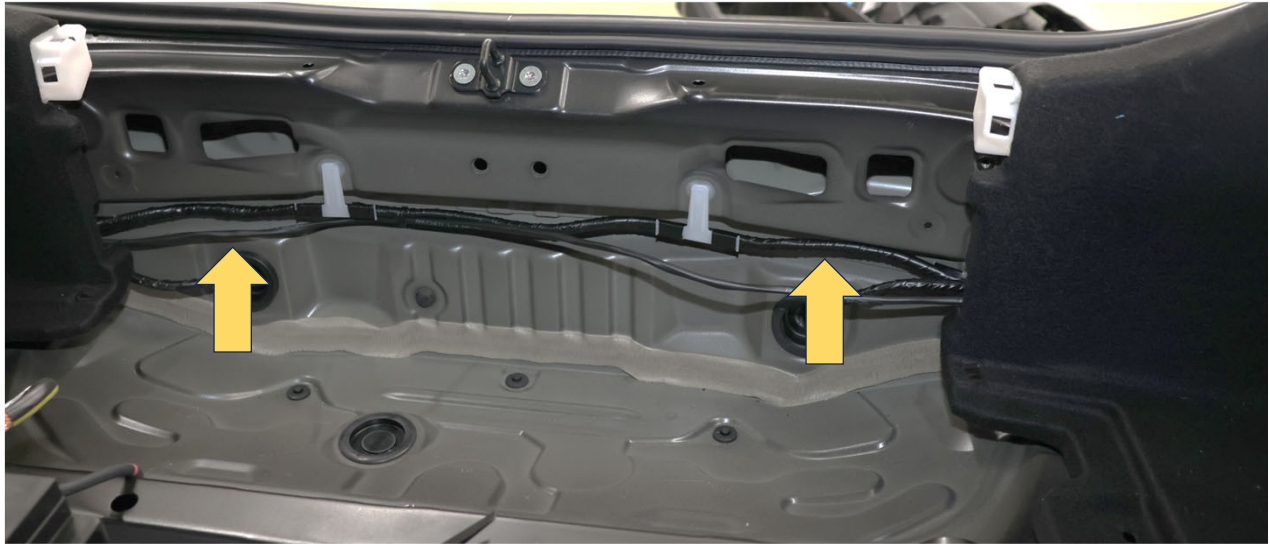
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1. At the left and Right side remove 2 x luggage tie points 10mm head bolts.
2. Carefully remove 3 x push pins, 2 on the Left and 1 on the Right.
3. Carefully pull the luggage compartment side trims away from the vehicle body.
4. Locate the OE diff control module behind the R/H taillight.



1. Disconnect the OE wiring connection from the diff control module.
2. Connect the Diff Loom to the OE diff control module.
3. Tie the Diff Loom to the OE wiring harness across the back of the luggage compartment too the other side.



1. Tie the Diff Loom to the OE wiring harness across the back of the luggage compartment.



1. Open the L/H **Rear** door.
2. Remove L/H **Rear** door sill panel **A** by carefully pulling straight up.
3. Open the L/H **Front** door.
4. Remove L/H **Front** door sill panel **B** by carefully pulling straight up.



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1. Pull the door seal (yellow arrows) away at lower and rear of the door opening.
2. Pull the lower edge of the B pillar trim **A** away enough to see behind.
3. Remove trim **B**.
4. Remove the glove box **C**.
5. Remove kick panel trim **D**.
6. Remove under dash panel **E**.



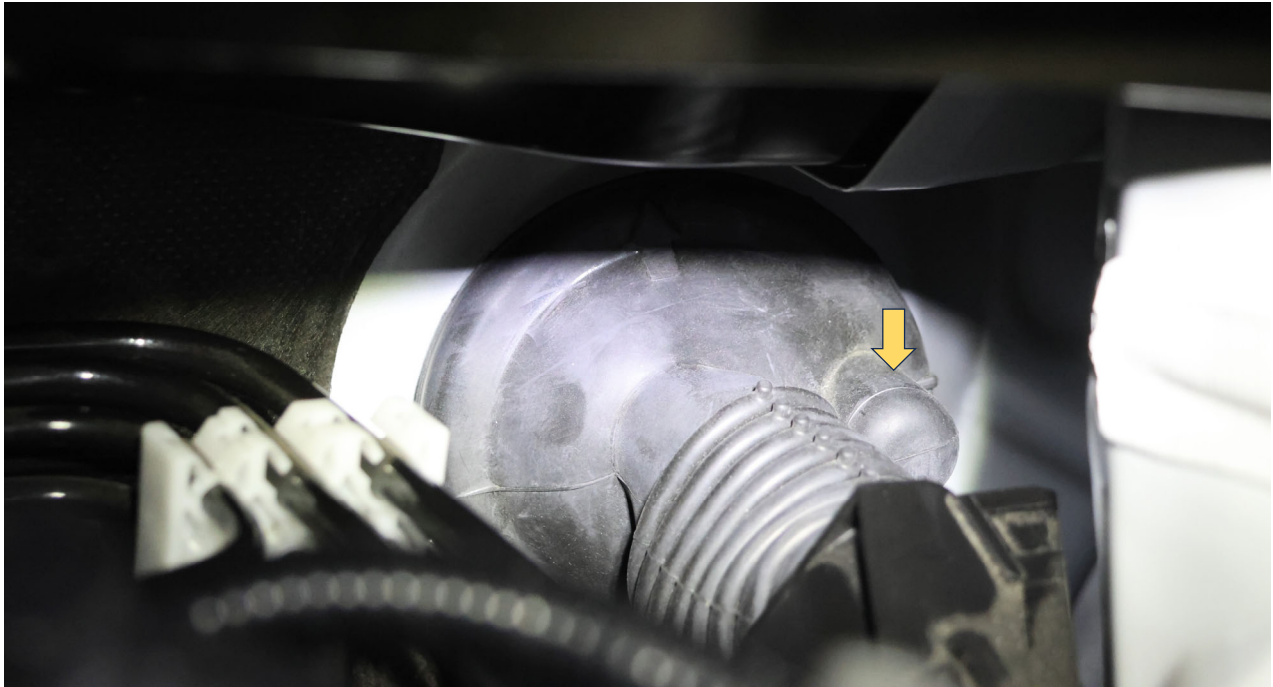
1. Tape the Diff Loom to a flexible plastic rod, use the rod to feed the Diff Loom through towards the L/H rear door sill panel.
2. Tie the Diff Loom to the OE wiring harness as you route the loom.



1. Continue feeding the Diff Loom through the B pillar trim towards the L/H front kick panel.
2. Tie the Diff Loom to the OE wiring harness as you route the loom.



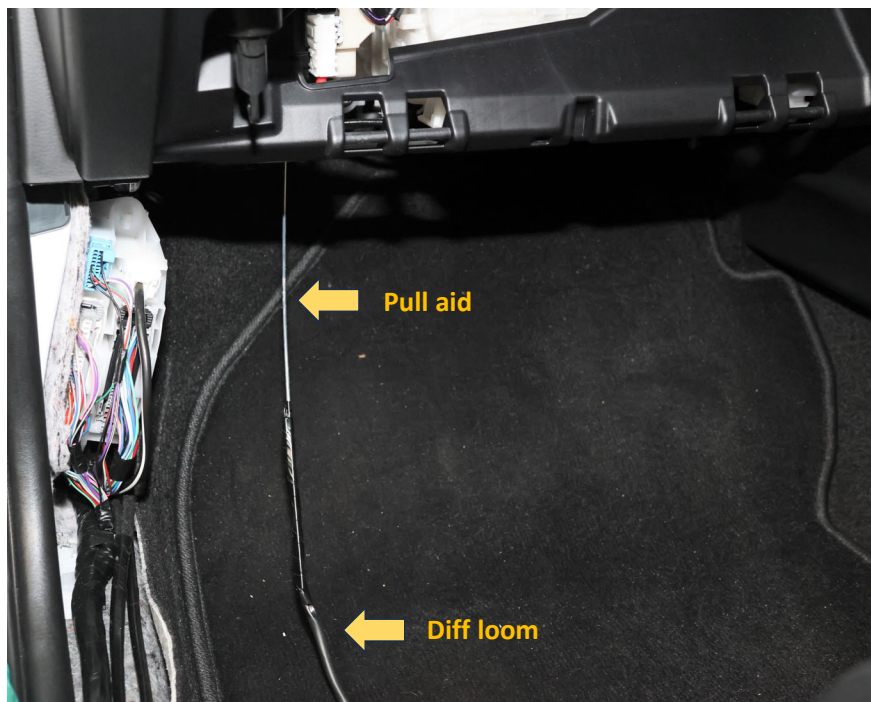
1. Tie the Diff Loom to the OE wiring harness as you route the loom.



1. Locate the fire wall grommet behind the ECU mounting location beside the L/H strut tower.
2. Use a sharp blade to cut the end of the nipple off (yellow arrow), using the moulding line as a guide. The Diff Loom will pass through the nipple.
3. To aid in getting the wiring through this hole, feed a pull aid through from the engine bay side (a piece of welding filler rod, or a piece of wire are easiest).



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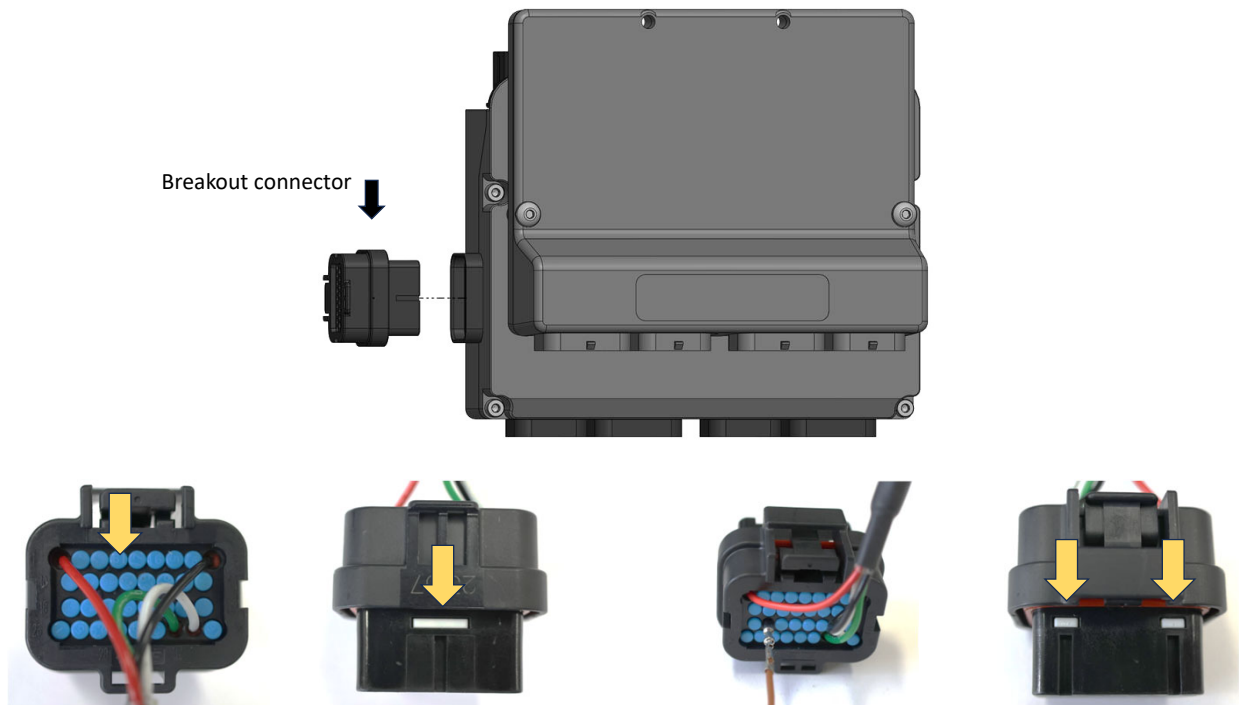


1. From inside the L/H front footwell area, secure the Diff Loom to the pull aid then pull the wiring through the firewall grommet carefully, ensuring the loom does not get caught on or wrapped around anything.

NOTE: This is easiest with one person guiding the loom, whilst another person pulls it through.



1. Route the Diff Loom neatly to sit behind the carpet and kick panel.



1. Secure the Diff Loom into the grommet nipple with a cable tie.
2. Remove the breakout connector from the Adaptor Box.
3. Fit the 7 crimped pins in the correct location.

Refer to CONNECTOR PINOUTS in the Diff Loom Datasheet (#61623).
At motec.com.au

4. Assemble the vehicle in reverse order checking your work as you go.
5. Refer to the Toyota Corolla GR 2024 G16E Start File with Diff Control package (Available on MoTeC Online) for initial calibration settings of the Differential.