



Toyota Yaris GR 2020 Diff Loom INSTALL INSTRUCTIONS



The following procedure details installation of
The MoTeC Diff Loom 61625 into
2020 - 2023 Toyota GR Yaris.



Step 1: Remove Rear Seat Base

- Lift up on the forward edge of the lower seat base to unclip, remove seat base from the cabin.
- Locate the OE AWD ECU on the R/H side behind the rear trim panel.

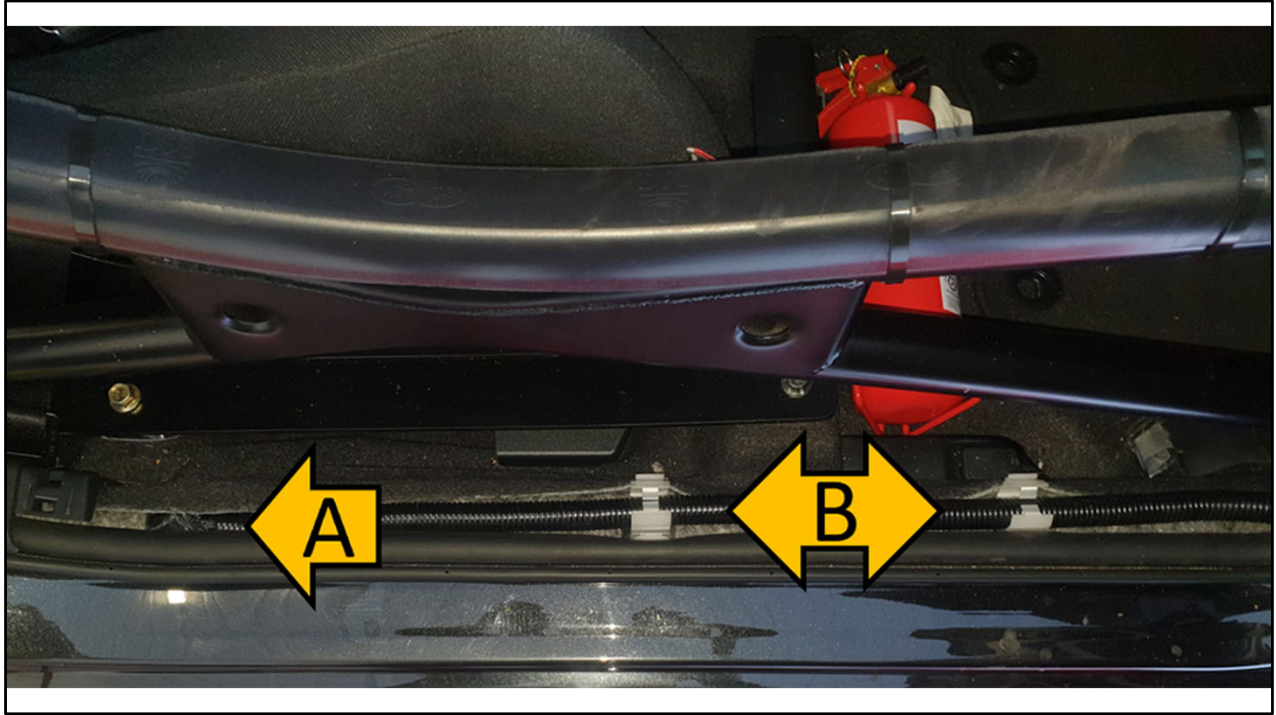
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Step 2: Connect Diff Loom

- Unplug the two OE wiring connectors from the OE AWD ECU.
- Plug the two OE connectors into the mating connector of the Diff Loom.

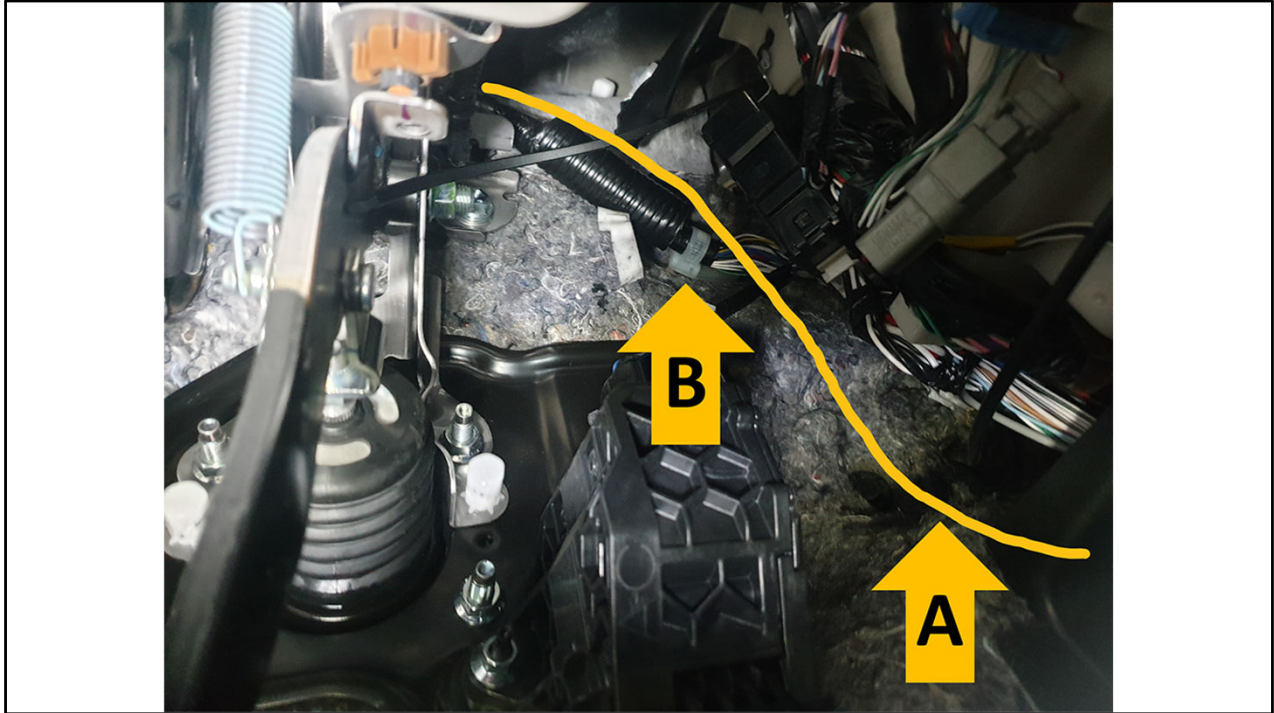
Step 3: Remove trim panels

- Remove R/H door sill trim panel.
- Remove R/H driver's footwell kick panel.

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Step 4: Route Diff Loom

- Route the Diff Loom from the OE AWD ECU behind the rear trim panel to come out at point **A** under the door sill trim panel.
- Position the Diff Loom following the OE wiring loom path **B** through to under the dashboard.

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- Route the Diff Loom from R/H kick panel along path **A** to L/H side of pedal assembly.
- Attach the Diff Loom at point **B** with a cable tie.

NOTE: *Ensure the Diff Loom is routed away from any moving mechanical linkage, utilising the OE loom path where possible.*

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Step 6: Remove Wiper Components

- Now moving to the outside of the vehicle, the wiper cowl and plenum need to be removed. Start off by removing the two wiper arm bolt covers to expose the M10 nuts.
- Using a 14 mm socket and ratchet, remove the wiper arm, retaining the bolts.

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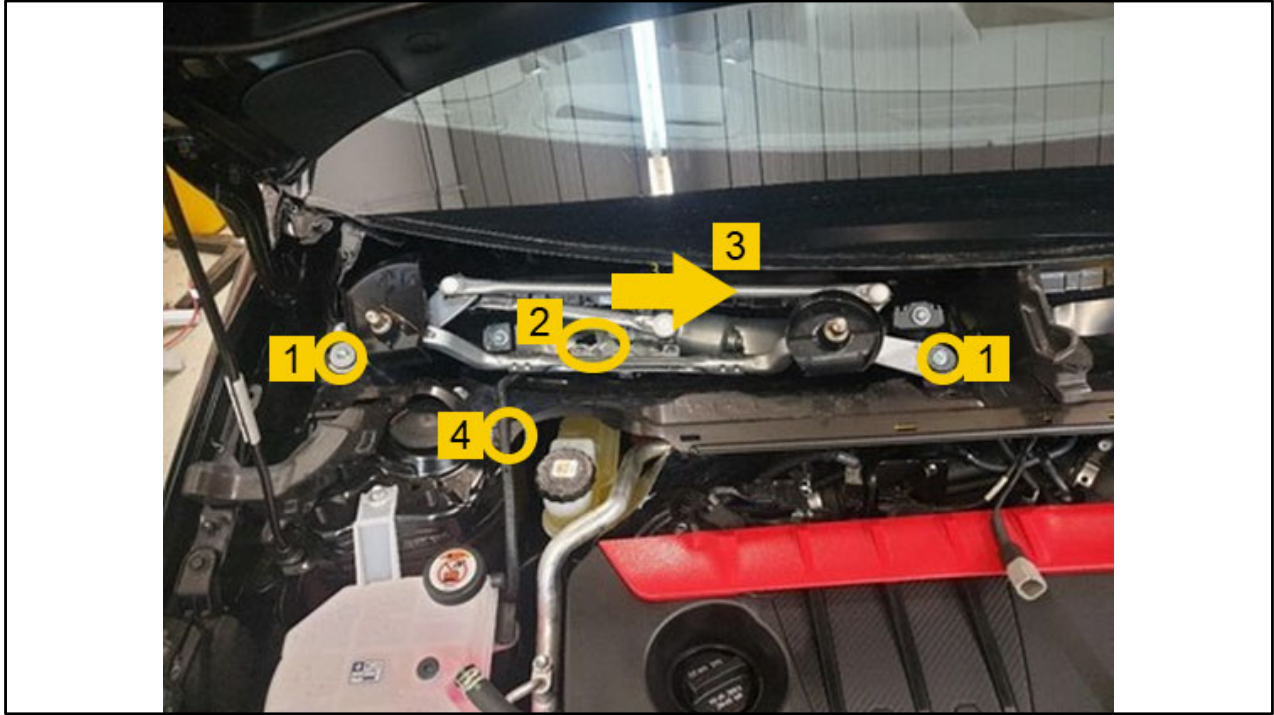
- Once the wiper bolt is removed, remove the wiper arm by applying and releasing pressure with your palm in the area indicated by the arrow to disengage the taper fit.
- Use your other hand to support the wiper arm to prevent damaging any plastic trims when the wiper arm is disengaged.

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- Remove the corner capping pieces from the wiper tray cover.
- This is done by prying up from the front corner with a plastic trim removal tool. Avoid using excessive force, as the trims are hooked under the front guards.

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- The wiper tray cover can now be removed.
- The front edge clips into the sheet metal lower cover with a series of clips.
- Unclip the front edge, then lift up and pull forward to remove the tray cover.

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- Next the wiper motor assembly needs to be removed.
- First undo the 2 x M6 bolts.
- Then unclip the wiring harness from the motor **2**.
- To remove the assembly, slide towards the centre of the vehicle approximately 30 mm and remove **3**.
- Finally unclip the harness from the lower wiper cowl **4**.

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- Unbolt the lower wiper cowl by removing the 12 x M6 bolts.
- To do this, unclip the foam insert (indicated by the arrow).
- Once all the bolts are removed and the cowl is loose, lift slightly, and rotate the front edge towards the bonnet while pulling the cowl towards you to remove.
- Take care as some of the brackets on the firewall edge are quite flimsy and can potentially damage the front edge of the windscreen.



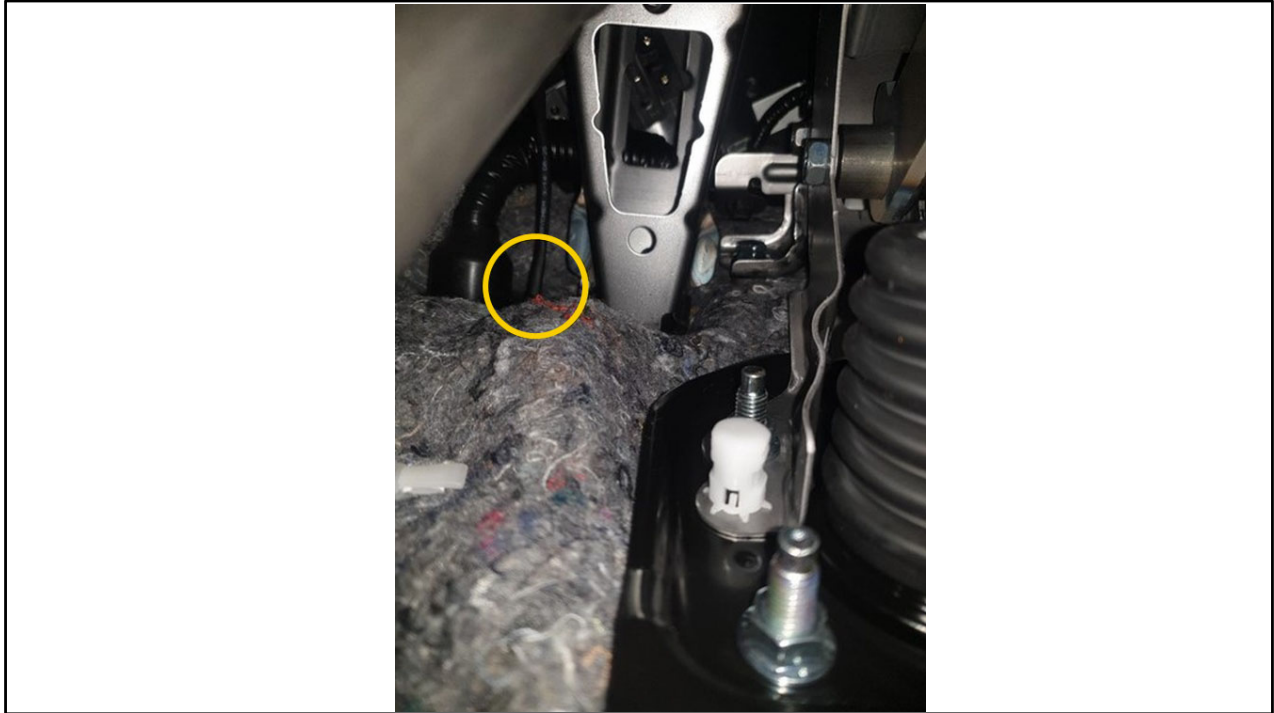
Step 7: Feed Loom Through Grommet

Note: The optional Dash Override Loom (#61461) may already be installed in the firewall grommet.

- Locate the driver side firewall grommet.
- There is a black nipple on the side nearest the brake booster (circled).
- The tip of this nipple needs to be cut off, using the casting line as a guide.
- The Diff loom will pass through this.
- 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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- From inside the driver's footwell area, secure your Diff Loom to your pull aid then pull the wiring through the firewall grommet carefully, ensuring the loom does not get caught on anything or wrapped around any pedals.
- This is easiest with one person guiding the loom, whilst another person pulls it through.

Note: In the image, the Diff Loom has already been pulled through.



- Secure the wire into the grommet with a cable tie.



- Secure the Diff Loom along the OE wiring loom path over to the Adaptor Box Breakout Connector.
- Remove the Breakout connector (**#61430**).
- Fit the 6 crimped pins in the correct location.
- Refer to CONNECTOR PINOUTS in the Diff Loom (**#61466**) Datasheet.