

ELECTRONICS

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Model # T2HKIT

Central Locking Tailgate D-Max (3rd generation)

MY21 - Onwards

Please refer to the owner's manual on the existing operation and functions of the central locking system.

Kit contents:

- Prewired harness approximately seven meters in length
- Central locking patch harness for direct connection to the existing factory wiring/connectors
- Actuator
- 3mm 316 Stainless Steel bracket
- Fabricated metal connecting rod
- Cable ties
- Screws (x2 long)
- x1 Phillips M6 set screw 20mm in length

Tailgate Liner removal (if applicable):

Remove the four small black plastic caps that are covering the Philips screws by prying them upwards from one side then remove all the Phillips screws.



Remove the liner from the tailgate, if you take off one of the end support the liner can be slid off, you will need to dislodge the adhesive backing from the left and right undersides of the tailgate liner with a trim tool, and then slide off.



For MY23 models that have factory fitted easy up/down struts, remove one of the wire ends supports, the struts are not required to be removed.



Remove the remainder Phillips screws, the metal cover can now be removed.

For models that do not have a liner fitted, remove all Phillips screws from the metal cover and then put it to one side.

Installation of the actuator & stainless-steel bracket:

Remove the connecting rod from the lock assembly to the latch by unclipping the two plastic retainers (this rod will not be reused). **DO NOT** just pull the connecting rod away from the two clips as damage can be caused to the plastic retaining clip on the latch assembly.



NOTE: Do not operate the latch assembly until the replacement connecting rod is fitted, operating may deform the plastic clip and dislodge the thin plastic washer located on the underside.

Remove the two Phillips set screws a 10mm socket can also be used as they can be extremely tight, the short setscrew on the left-hand side will not be reused, the longer setscrew that had retained the lock assembly on the right-hand side will be reused for affixing the bracket on the left-hand side.

Fit the actuator to the supplied bracket as shown, using the two supplied Phillips screws (do not use a impact driver).

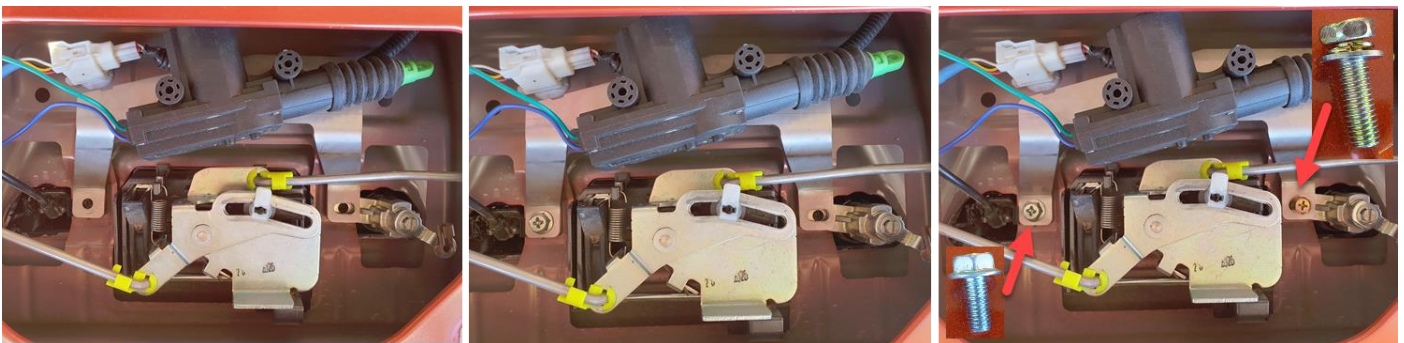
NOTE: The actuator **MUST** be fitted in the correct orientation as shown in the following images, (actuator motor pointed away from the latch assembly) to correctly function.



Insert the bracket inside the tailgate and locate to the two existing mounting points, the bracket is to be positioned on top of the lock mechanism and camera bracket.

Align the holes within the stainless-steel bracket to the latch threads, fit the existing setscrew that was removed from the lock assembly to the left-hand mounting position first, do not fully tighten.

Using the supplied yellow passivated setscrew (20mm in length) fit through the right-hand side bracket.



Once all set screws are in place tighten them securely.

Attach the new connecting rod into the actuator first, ensuring it is correctly located (as per below image) then insert the other end into the white (later models its yellow) clip on the latch mechanism then rotate the clip over the rod until it locks securely into place.

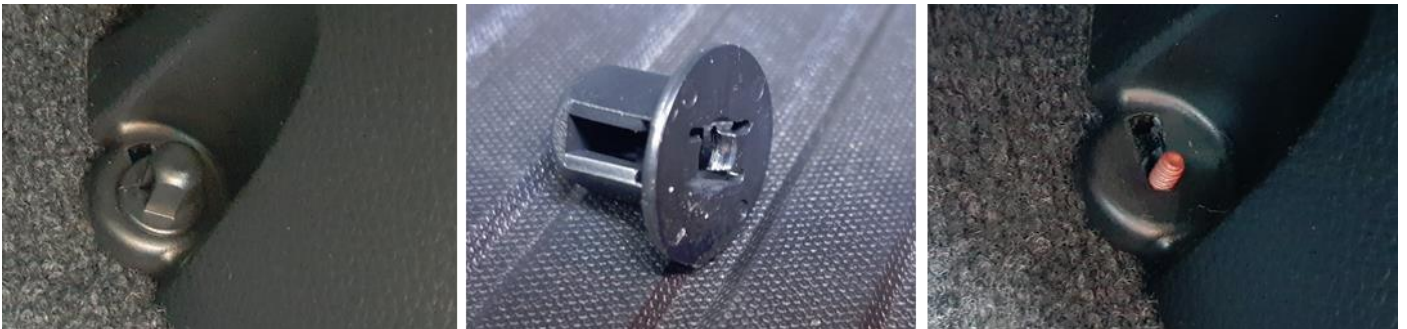


Central Locking Patch Harness:

Remove the driver's side door sill by gently pulling it directly up from the inside edge, working your way along to dislodge all clips.



The kick panel also needs to be removed, first undo the small plastic nut and then dislodge the single retaining clip.

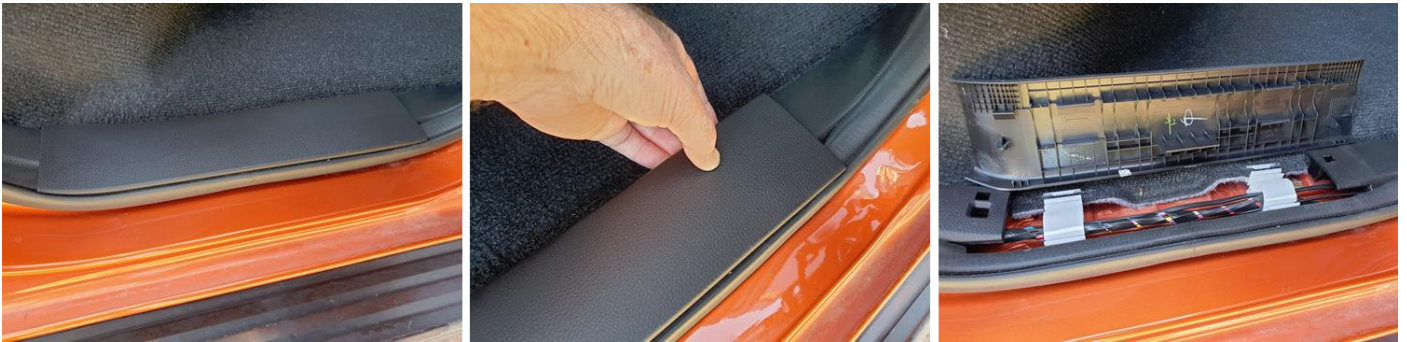


Remove the factory connector by pushing in the locking tab (the connector it is fitted to has a black dot stamped on its side) then fit the patch harness between them.



Wiring harness installation:

In preparation before installing the wiring harness remove the right-hand side passenger's door sill by pulling it directly up from the inside edge, working your way along to dislodge all clips.



- Remove the rear headrests (this just allows for the back seats to tilt forward more)
- Tilt the back seats forward
- Remove the jack and jack accessories tool bag.

To make it easier to fit the rubber grommet from within the vehicle remove the plastic door sill on the rear passengers' side and the side trim first needs to be completely removed

- Remove the rear passengers left hand side door sill by gently pulling it directly up from the inside edge, working your way along to dislodge all clips



- Pull off the rubber door seal on the right-hand side



- Dislodge the trim, its clipped in place around the seat belt (it does not need to be completely removed just enough for the side trim to be taken out from underneath it)



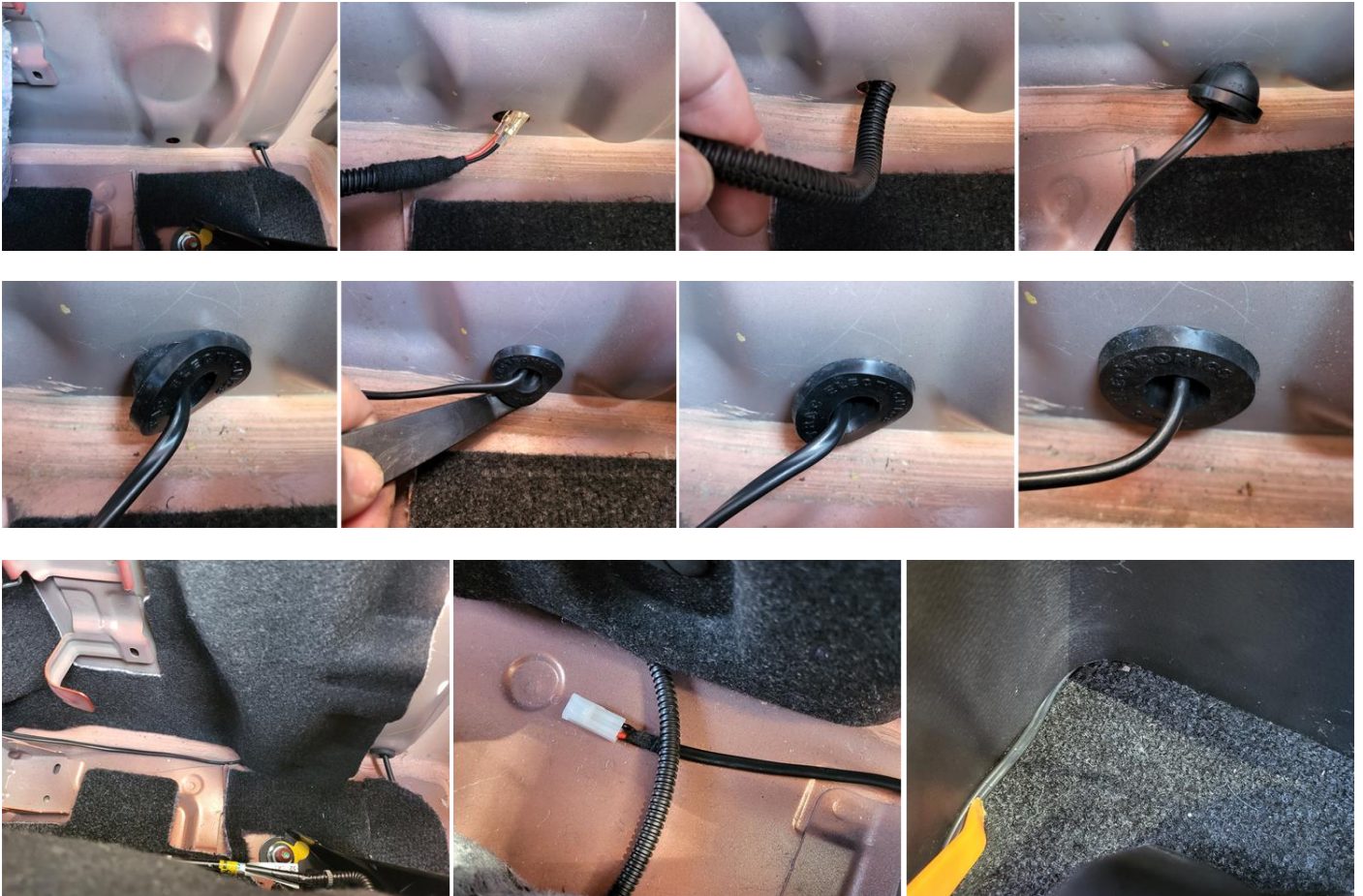
- Remove the large side plastic trim by dislodging the clips, starting at the top



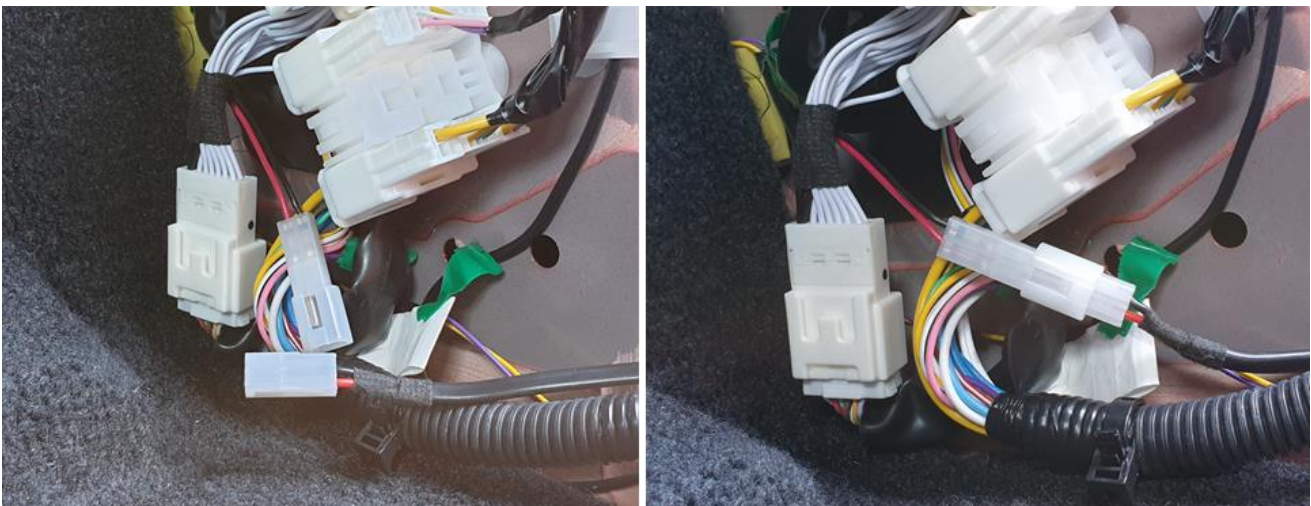
- Remove the existing factory rubber grommet by compressing the edges and pushing it inwards, out the back of the cab (this will not be reused)



- Insert the split tubing end of the harness through the opening until the grommet attached to the harness meets the metal
- The grommet is designed to be pushed in from within the vehicle, using a trim tool or wide blade screwdriver while applying inward pressure compress the top into place first then either side, then the bottom until the grommet is fully seated in place flush up against the steel



- The remaining harness that does not have the split tubing is to be routed along the back of the cab (under the carpet) and down the right-hand side of the vehicle under the door sill trims.
- Push the cable under the door column trim, the trim is not required to be removed continue along the sill to the front of the vehicle
- Connect the harness connector to the patch harness until it locks into place.



From under the vehicle:

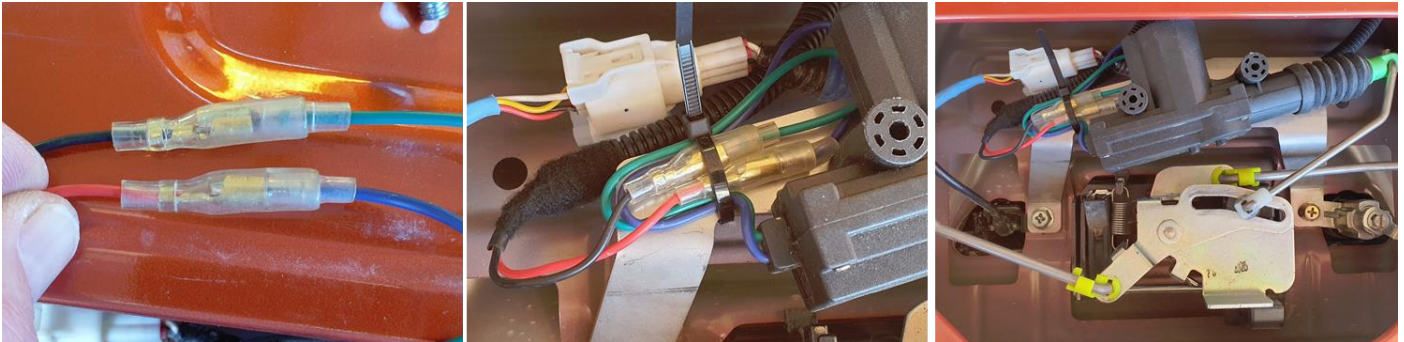
- Route the split tubing along the chassis rail using the same path as the existing factory cabling, securing with the provided cable ties
- Select where you want to have it enter the tailgate.

Connect the harness to the actuator wires by pushing the corresponding bullet terminals together firmly.

Black wire to green wire and red wire to blue wire (if these are fitted incorrectly the locking mechanism will work in reverse)

NOTE: You can use the existing camera entry point through the plastic grommet; you will need to first remove the assembly between the split tubing by depressing the two clips from the inside and pulling the assembly out separating the two halves so the cable can be passed through. The split tubing on the central locking harness will need to be removed before passing the cable through, and then refit the spit tubing once inside the tailgate.

SECURE these connections to the top of the bracket with the provided cable ties ensuring any excess cabling is away from all moving objects.



Test operation making sure all doors are first closed, once tested, use the supplied cable ties to secure all cables, ensure both setscrews on the actuator bracket are secure and the white retaining clip is securely fitted over the rod.

NOTE: Ensure all connectors are fully supported and affixed with cable ties to secure mounting points. Do not let them just hang in place, there is a dedicated fixing point on the actuator bracket for the connection point of the harness and actuator bullet terminals as shown in the above images.

Reassembly:

- Refit the metal cover and Phillips screws, note for vehicles with a liner the four locations highlighted, do not fit screws here as these locations are for securing the liner
- Refit the liner if applicable and four remaining Phillips screws and plastic caps
- Refit the tailgate support
- Refit the drivers plastic kick panel and retaining nut
- Refit the right-hand side plastic door sills by applying downward pressure along the entire length
- Refit the side trim panel back on the rear left passenger's side (top first) pressing all clips back into place
- Refit the left-hand side plastic door sill by applying downward pressure along the entire length
- Ensure the carpet is correctly in place
- Put the Jack and tool bag back in place
- Fit head rests
- Fold seat back
- Check all seat belts and buckles are in place and operating correctly.



Your feedback on these installation instructions is welcome, if you believe there is additional information required, or are incorrect please contact us at info@tracelectronics.com.au