

TCC 250 PRADO BULLBAR

SUITS TOYOTA PRADO 250 2024 ONWARDS



IMPORTANT – PLEASE READ FIRST

- This product requires a moderate to high level of fitting ability.
 - Inexperienced installers may find this task difficult.
 - To ensure your Bull bar performs and last as intended, please follow these care and maintenance tips
 - Ensure all components are properly adjusted and aligned during installation.
 - Torque all bolts and recheck after the first 1,000 km, then every 10,000 km.
 - Apply a protective lubricant like Lanolin to all exposed joints and moving parts.
 - Avoid exposure to salt water or salty environments.
 - Do not clean with harsh chemicals.
 - Do not overload the product or use it outside its intended purpose.
- Torque specs for this product = M14 – 122nm , M12 – 77nm , M10 – 44nm

If you believe a part is missing or you're unsure about a step, please contact our team for assistance.



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

TOOLS REQUIRED:

- General metric socket set
- General metric spanner set
- Sharpie / marker
- Masking tape
- 12 volt wiring consumables and equipment (if unsure, seek the help of a professional)
- Automotive grade double sided tape
- Zip ties

PARTS LIST:

- 250 PRADO BULLBAR
- LEFT AND RIGHT 10MM STEEL 'BRACING' MOUNTS
- LEFT AND RIGHT 2MM STEEL UNDER TRAYS
- HARDWARE KIT
- 2X 5MM THICK SHIM PLATES
- 2X ROADVISION ACCESSORY LIGHTS
- 2X INDICATORS

HARDWARE ITEMS:

- 10x M12 10.9 grade mounting.
- 18x M12 washers.
- 8x M12 nuts.
- 12x M14 10.9 grade bolts.
- 6x M14 nuts.
- 6x M14 nuts on sticks.
- 18x M14 washers.
- 14x M5 button head bolts.
- 2x M5 socket head bolts.
- 16x M5 nuts.
- 32x M5 washers.



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

STEP 1: REMOVE FACTORY BUMPER.

To begin the install, we first need to remove the factory plastic bumper. The bumper is held on with a series of clips and bolts and we will need to remove these before the bumper can be pulled off the vehicle.

The first clips that need to be removed are under the bonnet, so begin with opening the bonnet. Once the bonnet is opened you will see a black plastic cover that sit between the grill and the radiator. This has 6x clips that need to be removed. These clips can be removed by pushing down in the centre which will cause them to pop up. Please see the cover being removed in the photo below:



Once this plastic panel is removed, set it aside along with the clips that have been removed.

The next step is to look under the bumper and locate 2x panels (one either side) that need to be removed. These can be seen in the photo below:

**NEED HELP?**

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

These panels are held on with bolts, there are also some clips that need to be removed from inside the wheel arch. These are push clips much like what was removed in the engine bay. Please remove these bolts and clips and set the panels aside.

Once the panels are removed, we need to remove a plastic trim that is in the centre in front of the skid plate. This panel has 2x bolts and 1x clip in the centre.



Remove this panel and set it aside.

Next we need to unclip the flares from the bumper. The flares have a bolt at the bottom inside the wheel arch and clips also. These need to be removed and then the flare can be unclipped from the body of the vehicle. The flare does not need to be entirely removed, it just needs to be pulled away from the bumper.

Now we need to unbolt the actual bumper. There are 3x bolts located along the top edge of the bumper, there are also bolts and clips located along the bottom edge of the bumper. Remove all of these bolts and clips. Now the bumper can be removed, it will need a gentle pull as there are retaining clips still holding it under the headlight. Once it's removed, place it in front of the vehicle, it is a good idea to rest it on something soft so that you do not scratch it.

Now that the bumper is off, you need to locate the plugs for the wiring loom. There is a plug on both sides that needs to be removed and this will allow the bumper to be fully detached from the vehicle and set aside.



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

The bumper is now removed from the vehicle, proceed to remove the 'honey comb' plastic structure that is now exposed with the bumper removed. This is shown in photo below:



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

STEP 2: REMOVE SENSORS, LOOM AND CAMERA.

Now that the bumper is removed from the vehicle, we need to strip the sensors and wiring loom out so that they can be moved over to the bull bar.

To remove the loom from the bumper, cut all cable ties holding it in place and unclip it at every location. The loom will now be free from the bumper itself, but it will still be connected to the sensors and the camera.

Gently unplug the loom from the parking sensors and take note of where each sensor plugs in as it needs to be put back in the correct corresponding location in the bull bar. You can mark the loom / sensors with a marker or masking tape. Once the loom is unplugged, set it aside.

We now need to remove the parking sensors and camera from the bumper. The sensors are double sided taped to the inside of the plastic bumper, gently pry the sensor retainer away from the plastic bumper to free the double-sided tape. Be careful to not damage the sensor itself. Repeat this for all four sensors and set them aside with the loom. To remove the camera, we need to locate the 2x Phillips head screws that are in the back of the camera. Remove these screws and the camera will come out with the small metal bracket still attached. The camera cover will have 2x clips that need to be unclipped and then it can be pushed forward and removed. Set camera and camera cover aside.



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

STEP 3: CUT FACTORY BUMPER.

Now that everything is removed, its time to cut the factory bumper. The bull bar has been designed to side in front of the factory bumper and cover it, so the cut line itself will not be visible once the bull bar has been installed.

The cut line is inline with where the bumper used to meet the bottom of the guards.
Please see in photo below:



Cut the bumper along this line. You can do this with a oscillating multi tool or another tool of your choice. Again the cut line does not have to be 100% accurate as the bull bar will cover it once installed. Once the main cut is done, it will look like the photo below:



Now that we have done the main cut across the bumper, we need to cut out 2x sections that are 30mm high and 80mm wide. The location of these cut outs is shown on the photo below:

**NEED HELP?**

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU



The bumper is now cut and ready to re fit to the vehicle.

STEP 4: RE FIT THE CUT BUMPER BACK ONTO VEHICLE.

Now that the bumper is cut it can be re installed to the vehicle. To re install it, the same steps that were used for removal just need to be followed in reverse.

Take the bumper and place it back onto the vehicle and gently push the clips back in under the headlights. Then locate the bolts that were removed earlier and do up the 3x bolts along the top edge of the grill. Leave the tray that was removed at the beginning from inside the engine bay off for now as this area will be used as an access point to help with plugging in the loom again.

Now that the bumper is reinstalled, the flares can also be clipped back in place. They will obviously be long at this stage, but that will be addressed in future steps.

STEP 5: REMOVE FACTORY TOW POINTS UNDER CHASSIS.

Under the chassis there are factory tie down / tow points that are held on with 2x bolts that go upwards into the chassis. Remove these bolts and tie down points and put them aside.



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

STEP 6: INSTALL WINCH.

If you are wanting to run a winch in your bull bar, it needs to be bolted into the bulbar at this stage prior to the bull bar going onto the vehicle.

STEP 7: INSTALL SENSORS AND FACTORY LOOM INTO BULL BAR.

At this stage we need to take all of the sensors we removed earlier and clean off the plastic where the double-sided tape was from factory. Once clean, re apply new double-sided tape to the sensors.

Install the sensors into bull bar by double sided taping them to the back face of the bull bar so that the sensor itself is in the centre of the sensor cutouts on the bull bar.

Ensure each sensor is going back in its original location (left, centre left, centre right, right).

Now take the factory wiring loom and run it along the inside of the bull bar and plug it in to each corresponding parking sensor. Zip tie loom to bull bar and ensure it cannot fall and get caught on anything.

If indicators or accessory lights are not mounted into the bull bar, please mount them into the bull bar at this stage as you will lose access once the bull bar is on the vehicle.

STEP 8: WIRE LIGHTS IN BULL BAR.

Prepare the wiring on the vehicle to power the lights in the bull bar. Please note that indicator feed cannot be pulled off the head lights, it must be pulled from the trailer plug circuit, or alternatively you can purchase a Toyota lamp kit which will allow you to pull power from the front of the vehicle. The accessory lights in the bull bar should be wired as driving lights.

If you are unsure of how to wire 12 volt, please seek the help of a professional.



NEED HELP?

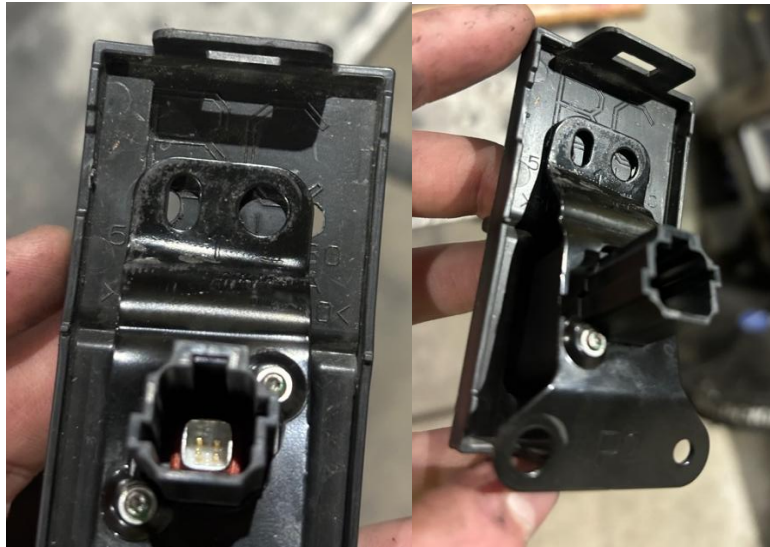
SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

STEP 9: INSTALLING THE FACTORY CAMERA INTO BULL BAR.

At this stage we need to locate the camera and camera cover that was removed earlier.

Once you have the mount and cover removed from the factory bumper, the thin metal camera bracket needs to be unbent to that it sits against the back face of the camera cover as shown in photo below:



Once the camera fits into the camera cover with the bracket un-bent, we need to mark the holes onto the plastic cover. Once marked, drill these holes into the plastic cover as shown below:



At this stage we need to mount the camera to the bulbar. To do this, we need to fit the camera (whilst inside the plastic camera cover) into the bulbar from behind. The bulbar has a cutout above the fair lead hole that is shaped fit the camera cover from behind

**NEED HELP?**

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

and let the camera neatly protrude forwards. There are two holes cut into the bar and these will be used to bolt the camera in place.

Take the supplied 2x M5 x 25mm bolts along with 4x washers and 2x nuts and bolt the camera in place as shown in photo below:



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

STEP 10: BOLT BULL BAR TO VEHICLE.

Now that the wiring and camera are installed into the bull bar, it can now be mounted to the vehicle.

At this stage it is a good idea to protect any painted surfaces with masking tape in case you contact the body whilst installing.

The 5mm thick shim plates will have to be used to sit between the chassis mounts and the bull bar.

The chassis has a press fit stud on each side, this needs to be tapped out and removed from the chassis prior to the bull bar being lifted into place.

Lift the bull bar up to the body and align it with the chassis mounts. Slide the 5mm shim plates in place between the bull bars mounts and the chassis.

Use the M12 bolts with large washers and nuts to bolt the bull bar in place.



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

STEP 11: BOLT 'BRACING' MOUNTS TO CHASSIS AND BULL BAR.

Now that the bull bar is bolted in place, the bracing plates can be installed.

Hold these up to the chassis / bull bar on the sides and bolt to chassis using nuts on sticks and M14 bolts with large washers. Use the factory bolts that were removed from the factory tie down points earlier to bolt the bracing mounts upwards into the chassis. Use M14 bolts with large washers and M14 nuts to bolt the bracing mounts to the bull bar on either side.

The photo below shows the bracing mounts installed:



The bar is now fully bolted onto the vehicle. Proceed to plug in factory wiring loom to sensors and camera, check everything is functional.

**NEED HELP?**

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

STEP 12: FLARE TRIMMING.

At this stage the bulbar itself is bolted up to the chassis and sitting where desired. We now need to move onto the flare cut and mounting of under trays.

To begin this stage the flare needs to be clipped onto the vehicle, so please ensure it is clipped back in place properly if removed or popped out in earlier steps.

Once flare is clipped in place, it needs to be rough trimmed at a longer length, please trim at the bottom of the bull bars wing end.

Use masking tape to cover the end of the flare so the cut location can be marked without marking the flare itself.

Hold the undertray up in place so that the bolt holes with the bull bars wing align.

Use a marker to draw a line along the top of the under tray, this is the cut line. Please see in photos below:



Once the cut location is neatly marked, the under tray can be pulled away from the car and put aside. Now we need to cut the flare on our cut line.

To cut the flare we need to use shears / heavy duty scissors.

Once the flare is cut along the previously marked line, the flare can be clipped back in place on the body. It will now line up with the under tray once it is installed.



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

STEP 13: INSTALL UNDER TRAYS.

At this stage we have the bull bar fully bolted up to the chassis and flares trimmed. Now we need to install the under trays.

The under trays bolt to the bulbar from the inside and are mounted with 6x M5x15mm button head allen key bolts and nuts / washers.

To mount the undertrays, they need to be slid in behind the bull bars wing and held in place so that the bolt holes align.

Please note that the 2mm steel undertrays may not perfectly match the exact fold angles of the bull bar itself due to being produced separately to the bull bar, however the under tray will pull in and match the bull bar perfectly as the bolts are tightened.

Once the holes are aligned, the under trays need to be bolted on (bolt head on outside of the bar) with the m5 bolts. Ensure a washer is used on the bolt head side and nut side. It can be easiest to first bolt the end closest to the chassis and work your way out. It is recommended to leave the bolts loose until you have all nuts threaded on, at that stage you can work your way through tightening them all.

On the passenger / LHS of the vehicle the under tray is protecting the washer fluid bottle, because of the washer fluid bottle, it can be tricky to get the nuts on the under-tray bolts that go through the wing end. To assist with this, you can use some masking tape to hold the m5 nut in a spanner and slide it in.



Once the under trays are bolted up, we need to trim the guard liner as it will be hanging down.

To trim the guard liner, hold it up against the under tray and from the front side run a marker down the guard liner to mark a cut line. Naturally this cut line will end up below

**NEED HELP?**

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU

the under tray, but that is good as it will create a small amount of tension on the guard liner once it is tucked into the under tray and prevent any movement or rattles.

Once the guard liner is marked, you can pull it back towards the wheel and use some heavy-duty scissors to trim it.

Once it is trimmed, it can be tucked into the guard liner as shown in photo below:



The guard liner has now been trimmed and fitted into the under tray.

STEP 13: MOUNT NUMBER PLATE.

Now that the bull bar is mounted, we can mount the number plate on the front face of the bull bar.

In the centre of the front face at the top there are 2x 6mm holes. Use these holes along with m5 bolts, washers and nuts to mount the number plate to the bull bar.

Install complete.



NEED HELP?

SCAN THE QR CODE
TO COMPLETE A TECH
SUPPORT FORM

03 9120 8814
TECHSUPPORT@THECRUISERCOMPANY.COM.AU