FITTING INSTRUCTIONS

TOYOTA 100 SERIES BULLBAR

1998 - 2007



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 = M12 – 77nm , M10 – 44nm

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

TOOLS REQUIRED

- General metric socket set
- General metric spanner set
- Masking tape
- 12 volt wiring consumables and equipment (if unsure, seek the help of a professional)
- Zip ties
- Grinder (cutting disk +grinding disc)
- Black spray paint to touch up chassis
- Masking tape

PARTS LIST

- TCC 100 SERIES BULLBAR
- 5MM INTERCOOLER PIPE GUARD LEFT AND RIGHT (1HD FTE ONLY)
- HARDWARE KIT
- 2X ROADVISION ACESSORY LIGHTS
- 2X INDICATORS

HARDWARE KIT

- 8 X M14X1.5X50 BOLTS
- 8 X LARGE GOLD WASHERS
- 4 X M14X1.5 NUT ON STICK
- 4 X M10X1.25X25
- 4 X M10 GOLD WASHER
- 4 X M10X1.25 NUT ON STICK
- 6 X M5X25 SS BUTTON HEAD
- 2 X M5X16 SS BUTTON HEAD
- 12 X M5 SS LARGE WASHER
- 4 X M5 SS WASHER
- 8 X M5 NYLOC NUT SS

STEP 1 - REMOVE THE FACTORY BUMPER

Remove the factory bumper assembly and strip back to bare chassis. Tip – there are lots of great YouTube tutorials on how to remove the factory bumper.

STEP 2 - PREPARE THE CHASSIS FOR THE BULL BAR

Now that the factory bumper is removed and we have a bare chassis, we need to proceed to prepare the chassis for the bull bar install.

You will see that the chassis has a place that is welded over the end of the rail that hangs down below the bottom of the rectangular rail. This plate needs to be cut off to leave the plain chassis rail with an open end. To cut it off, use a grinder to cut along the welds that run vertically, be careful not to cut into the chassis itself. Once the end cap has been cut off, sand the chassis to remove any left-over weld and paint area.

Below is a photo that shows the rail with a red line indicating where to cut.



STEP 3 - PREPARE THE BAR

Now that the chassis has been stripped and prepared, we need to move onto preparing the bull bar.

First check to make sure accessory lights and indicators have been installed in the bull bar. If not installed, install them at this stage.

Before the bull bar goes on, it is a good idea to run wiring on the vehicle ready for the indicators and accessory lights. If you are not confident with 12 volt wiring, please seek the help of a professional.

If you wish to run a winch, it must be bolted into the bull bar at this stage (before it goes onto the vehicle).

STEP 4 - INSTALL THE BAR

Now that the bull bar and chassis have both been prepared for fitment, it is time to seek the help of a second person and lift the bull bar onto the vehicle.

When lifting the bull bar onto the vehicle, be careful not to bump into the body or guards. It can be a good idea to put multiple layers of masking tape over the guards at this stage to make sure no damage is caused if you accidentally bump into it.

Gently lift the bar up to the vehicle and slide it over the chassis rails and push back until bolts holes align.

Once bar is on vehicle and mounting holes are lined up, loosely install the mounting bolts into the captive nuts in the chassis. If captive nuts are not there, use the supplied nuts on sticks as a replacement.
m10 on the side of chassis and m14 on the top and bottom of chassis

Align the bar to the body with the bolts loosely installed and then progressively tighten all the mounting bolts.

If the wing end to guard alignment needs adjustment, use the supplied shims and install these between the 10mm bottom mount and the chassis to adjust bull bar angle accordingly.

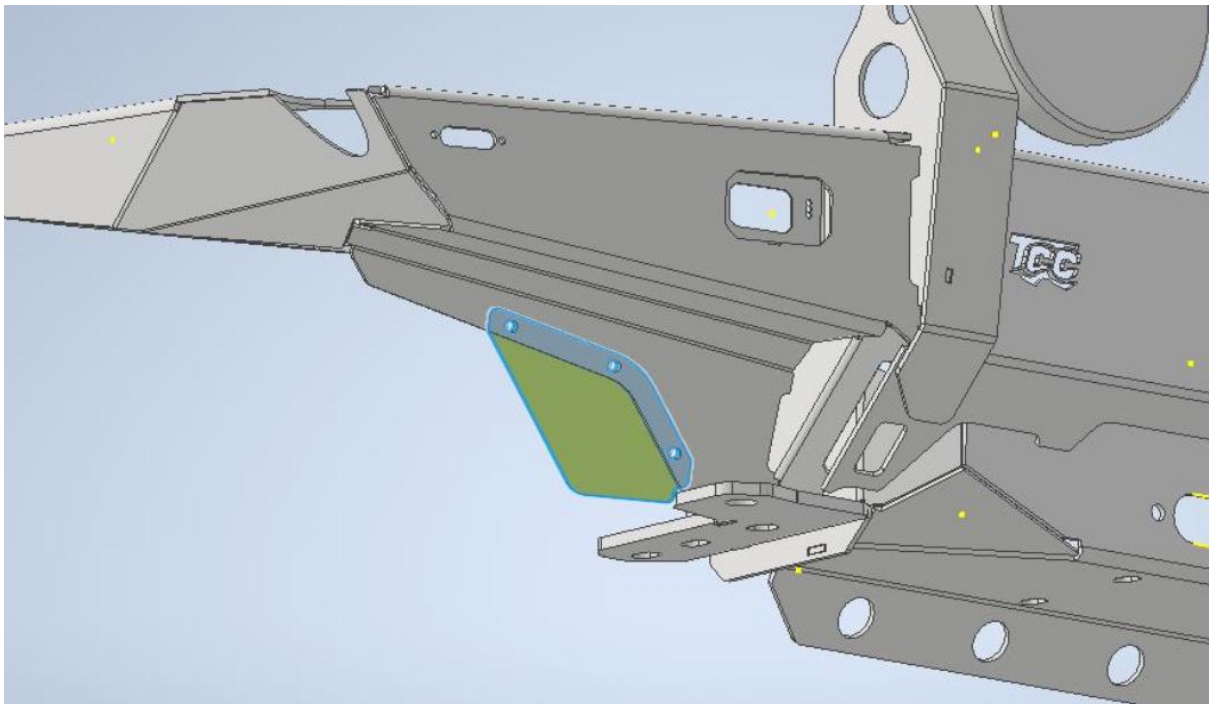
Torque bolts to the following specs:
M12-77NM , M10-44NM

STEP 5 - INSTALL INTERCOOLER GUARD (1HD-FTE ONLY)

Now that the bull bar is bolted to the vehicle, we need to install the intercooler pipe guard. This is only applicable for vehicles that have the 1HD-FTE engine option.

The intercooler pipe guard bolts behind the bull bars wing as shown in graphic below.

Bolt these in place using the supplied m5 x 25 button head bolts



STEP 6 - INSTALL NUMBER PLATE AND SPOTLIGHTS IF DESIRED.

Bolt number plate to front face of bull bar, bolt spot lights to top face of bull bar.

FITTING COMPLETE