



FITTING INSTRUCTIONS

Part Number: **3523020**
Product **Front Camera Relocation kit TOYOTA TACOMA**
Description:
Suited to **TOYOTA TACOMA 2020 ON.**
vehicle/s: **COMPATIBLE WITH 3423160**

WARNING

NOTE THE FOLLOWING:

- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ In the event of damage to any bull bar component, contact your nearest authorised ARB stockist. Repairs or modifications to the impact absorption system must not be attempted.
- ◆ Do not use this product for any vehicle make or model, other than those specified by ARB.
- ◆ This product or its fixing must not be modified in any way.
- ◆ The installation of this product may require the use of specialized tools and/or techniques
- ◆ It is recommended that this product is only installed by trained personnel
- ◆ These instructions are correct as at the publication date. ARB Corporation Ltd. cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer
- ◆ During installation, it is the duty of the installer to check correct operation/clearances of all components
- ◆ Work safely at all times
- ◆ Unless otherwise instructed, tighten fasteners to specified torque

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GENERAL CARE AND MAINTENANCE

- As part of any Pre-Trip Preparation, or on an annual basis, it is recommended that a thorough visual inspection of the bull bar and camera is carried out, making sure that all bolts and other components are torqued to the correct specification. Also check that all wiring sheaths, connectors, lens and fittings are free of damage. Replace any components as necessary. This service can be performed by your local authorized ARB Stockist.

ATTENTION:

ARB Corporation cannot be held responsible for any change in the performance and any subsequent consequences relating to the relocation of the front grille mounted camera for the Toyota Tacoma.

FITTING REQUIREMENTS

REQUIRED TOOLS FOR FITMENT OF PRODUCT:

Screwdrivers, Philips and Flat blade	Metric socket and spanner sets 8-25mm range
Long nose pliers	Side Cutters
Fine Point Sewing Needle/Pin	Torque Wrench (9Nm)
Electrical Tape	7mm (9/32") drill bit

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear		Hearing protection	
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NOTE: 'WARNING' notes in the fitting procedure relate to OHS situations, where to avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.

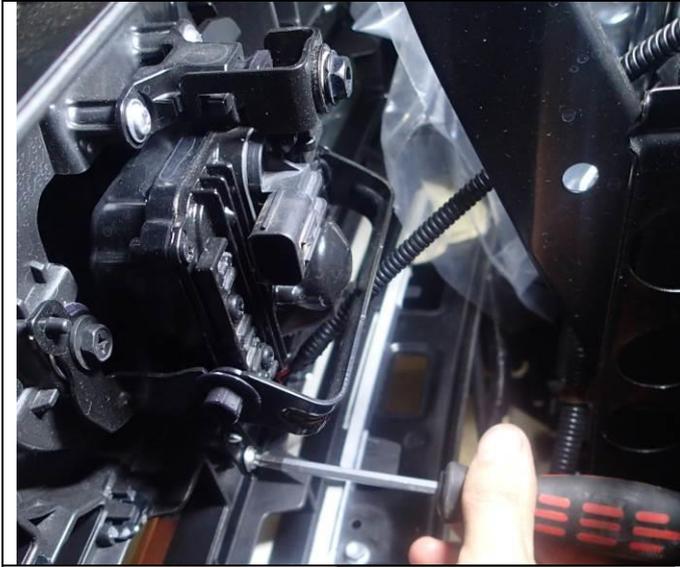
FASTENER TORQUE SETTINGS:

SIZE	Torque Nm	Torque lbft
M5	5Nm	4lbft
M6	9Nm	7lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12	77Nm	57lbft

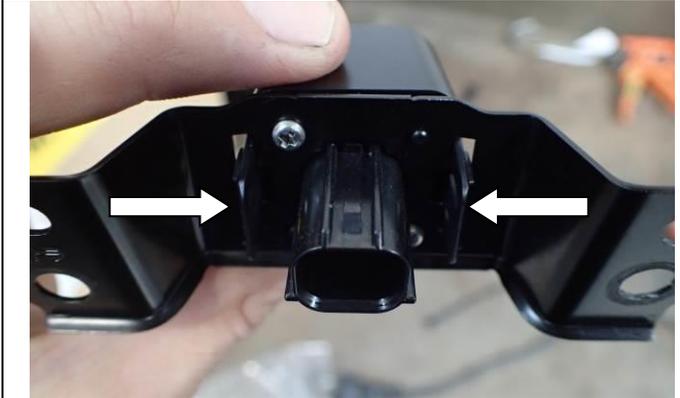
PARTS LISTING

APPLICATION.	PART NO.	QTY	DESCRIPTION
Camera - Mount Bracket	3750620	1	BRKT TACOMA CAMERA RELOCATION
Mount Bracket - Bull Bar	6821325	1	Wiring Camera Loom Extension
	6151213	2	Bolt M6 x 1.0 x 20 Gd8.8 BZ
	6151128	2	Nut Flange M6 x 1.0 ZP
	4584295	2	Washer Flat M6x12x1.3 BLK ZN
	4581287	2	Washer Spring M6x2.5x1.6 BLK ZN
	180302	4	Cable Ties

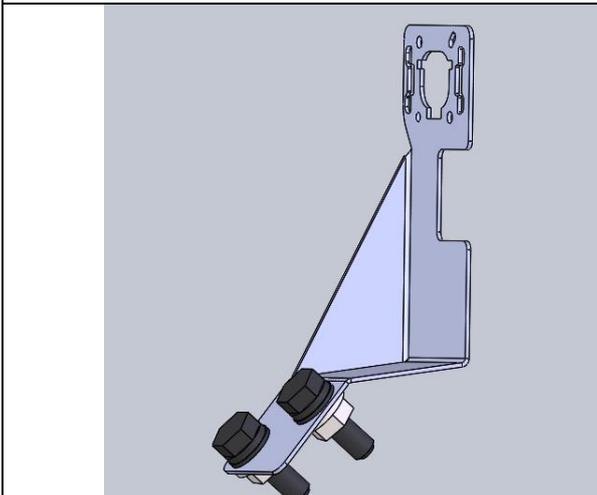
FITTING PROCEDURE



1. Unplug camera located under the Tacoma emblem then unscrew both Phillips head screws and remove from vehicle.



2. Separate OEM steel bracket from back of camera by removing two Philips head screws and depressing shroud clips.

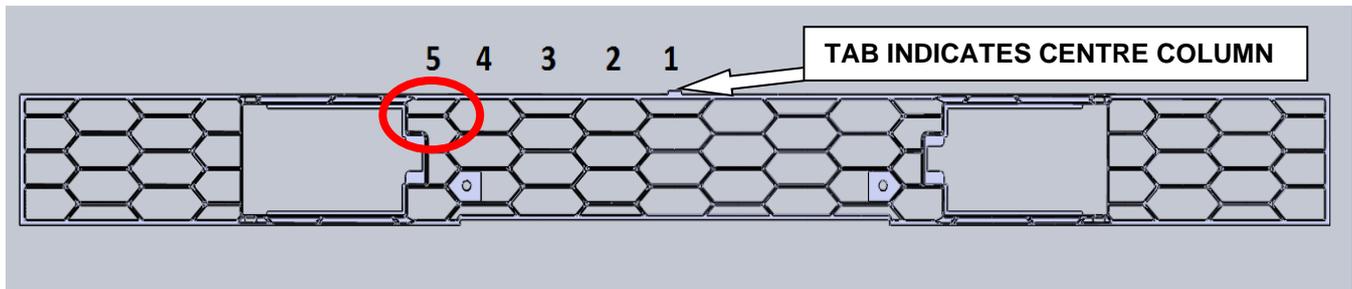


3. Reinstall the camera and plastic shroud into the bracket shown adjacent (3750620) and fasten with original Phillips head screws.

Discard OEM bracket.

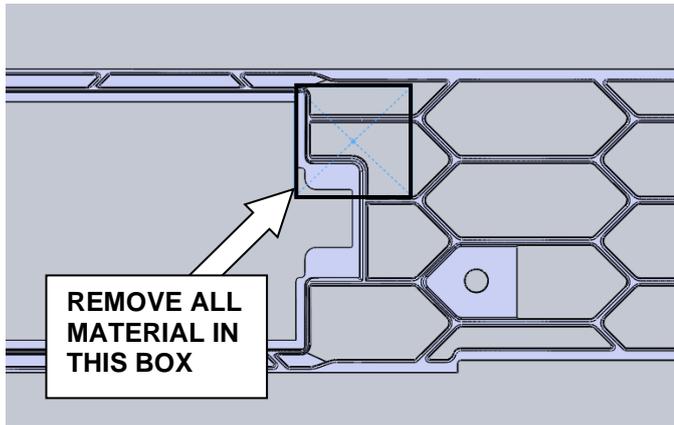
HINT: Make sure clips on plastic shroud are splayed in order to lock shroud in place.

DOUBLE DOOR GRILLE:

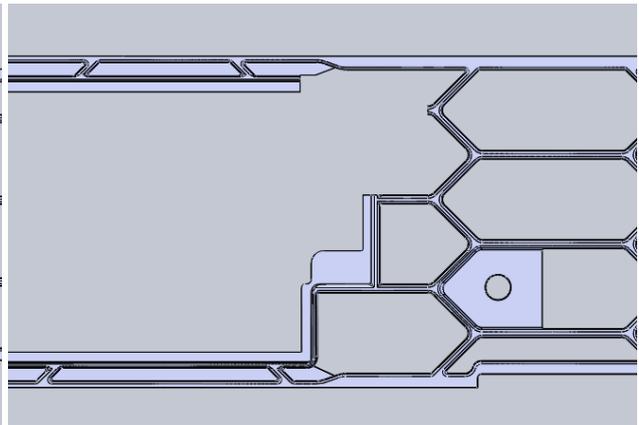


Using an oscillating multitool, neatly remove the section of the grille (circled above and detailed below) in the 5th column from the centre of the grille.

BEFORE:



AFTER:



4. Place bracket in position and mark with a pen or transfer punch.
5. Drill 7mm (9/32") holes according to marks.

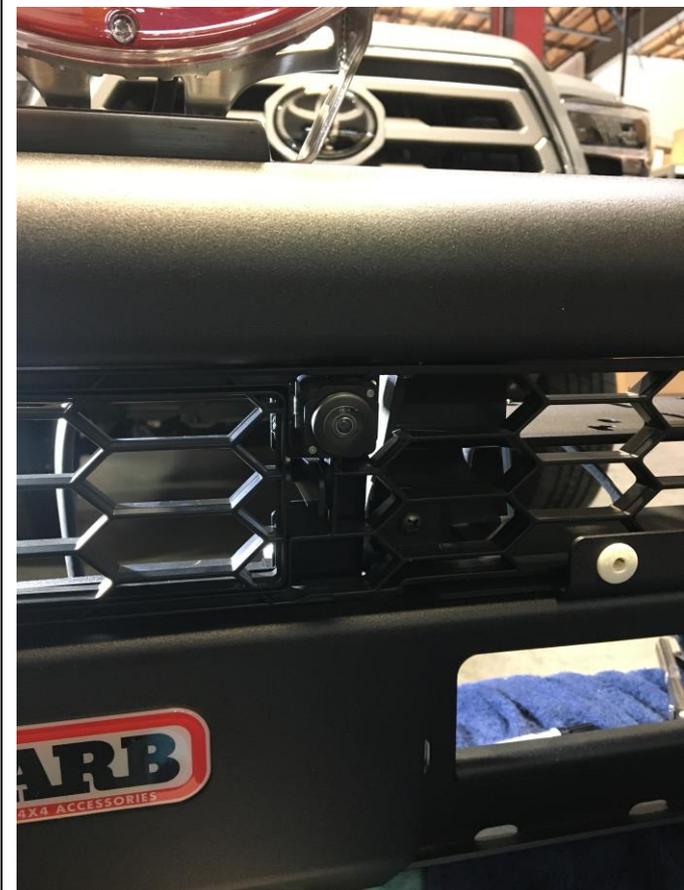


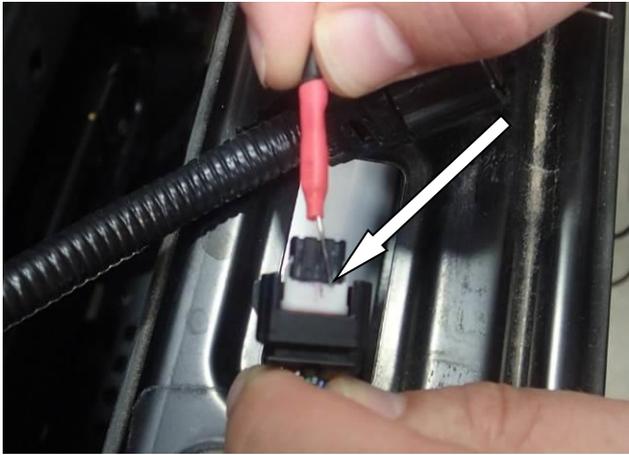
EYE PROTECTION REQUIRED



- Using supplied hardware, attach bracket and camera to bar.

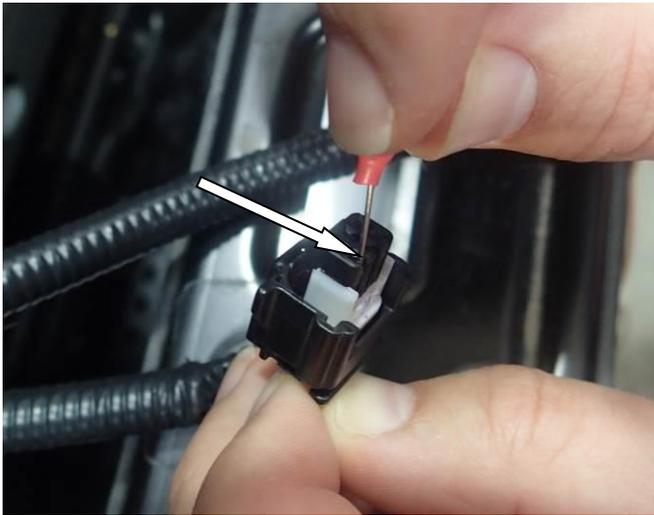
 M6 - 9Nm



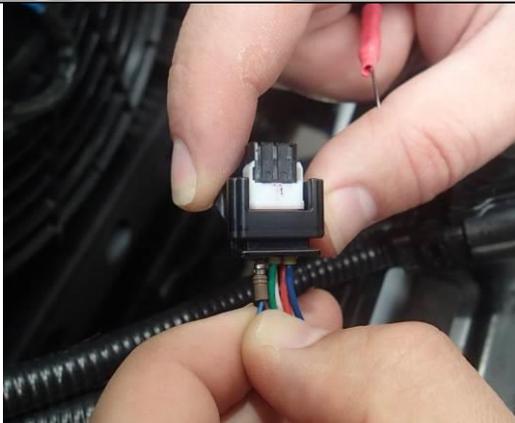


7. Loom Rehouse Instructions

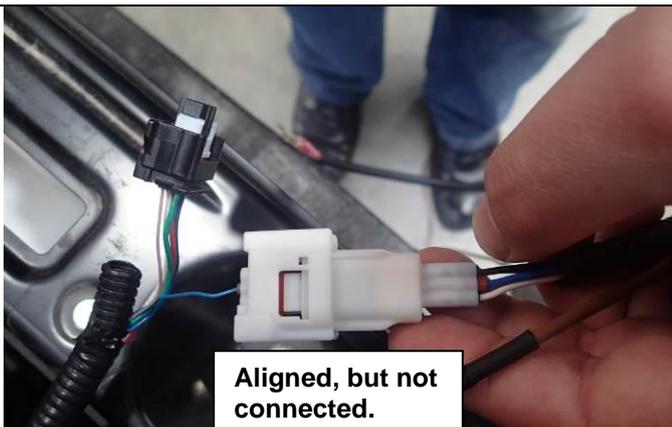
Using a small flat blade jewellery screwdriver pry up the white secondary lock on the underside of the camera connector plug. The white lock should only move a few millimetres in order to free the terminals.



8. Using a sharp point, push down front of terminal while gently pulling wire out from the back of the plug.



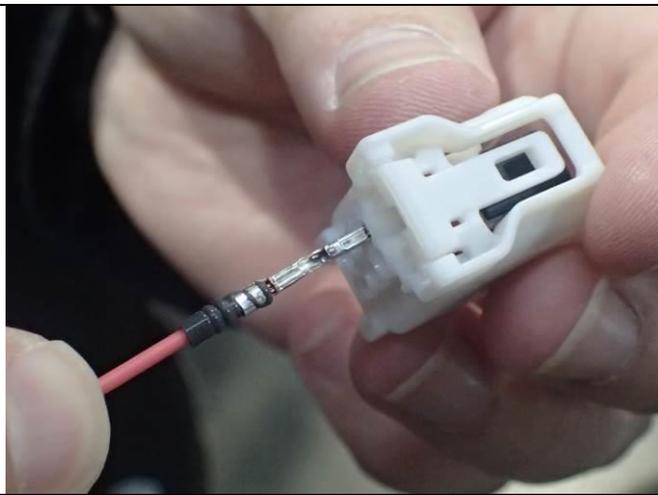
9. Once wire is free, gently extract it from the plug completely.



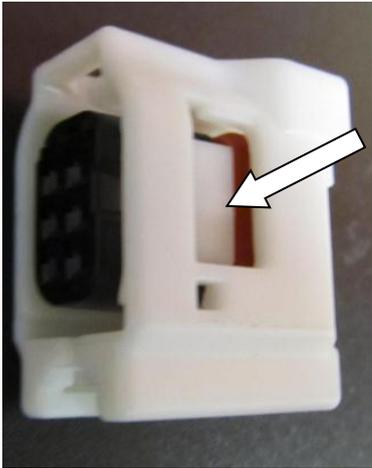
10. As each terminal is removed from the camera plug, rehouse it into the new female plug supplied with loom.

Hint: Align, but do not connect extension loom to help match the colours for rehousing the terminals.

(numbers on the back of the connectors also correspond)



11. When rehousing crimped terminals into the new female plug, make sure that the orientation of the terminal is such that the crimp bucket is facing up towards the clip as shown.



12. Check the wires are inserted into the correctly numbered holes (numbered 1-6 next to the hole)

HOLE #	WIRE COLOUR
Hole 1	Black
Hole 2	Green
Hole 3	Pink
Hole 4	White (green insulator)
Hole 5	Red
Hole 6	White (purple insulator)

When all 6 wires are rehoused, depress secondary lock inwards as shown.



13. Apply electrical tape to insulate exposed areas of loom and hold convoluted tube as shown.



14. Plug the supplied camera loom into the connector (now part of vehicle loom) and route down under the grill so it can be plugged into the camera.



15. Plug the open end of the supplied loom into the back of the camera and check for operation, zip tie loom to ensure movement is limited and it is well clear of any moving parts. Check there is no exposed wires at the camera end and they are protected by the conduit, use electrical tape to fix the conduit in position.
16. Refit plastic engine bay cover by re-clipping.

- ◆ **Check operation of front vehicle camera.**
- ◆ **IMPORTANT: Check that all piping and wiring is clear of sharp edges and pinch points. Adjust any piping to clear the bull bar or mounts by a minimum of 15mm.**

FITTED PRODUCT

