



Toyota land cruiser 300 series heat exchanger upgrade
[CALL US AT 08 8357 5993] 1100 SOUTH RD, EDWARDSTOWN SA

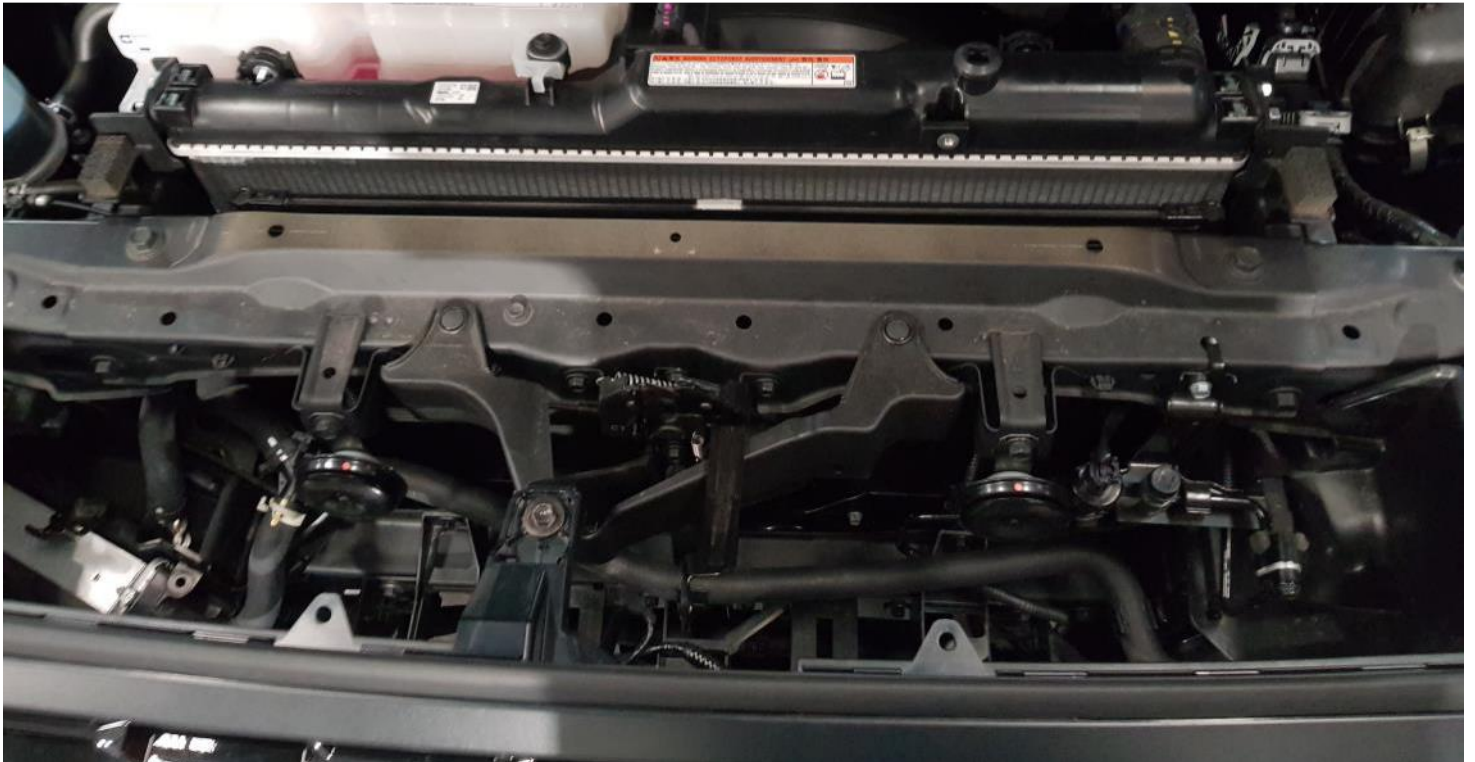
WARNING: Failure to follow this procedure will void your warranty.

- Do not use this product in any other motor vehicle for which it is not designed.
- Do not use any other mounting location / method other than described in this instruction.
- It is advisable to seek assistance of another person when installing this product.
- Do not repair or modify this product and / or its mounting bracket in any way - repair or modification may affect proper operation of the vehicle or cause destruction of property.
- Be sure to clean and remove any loose debris before removing pipe work as debris entering the engine could be detrimental to the engine and or components

REMOVE PLASTIC COVER.

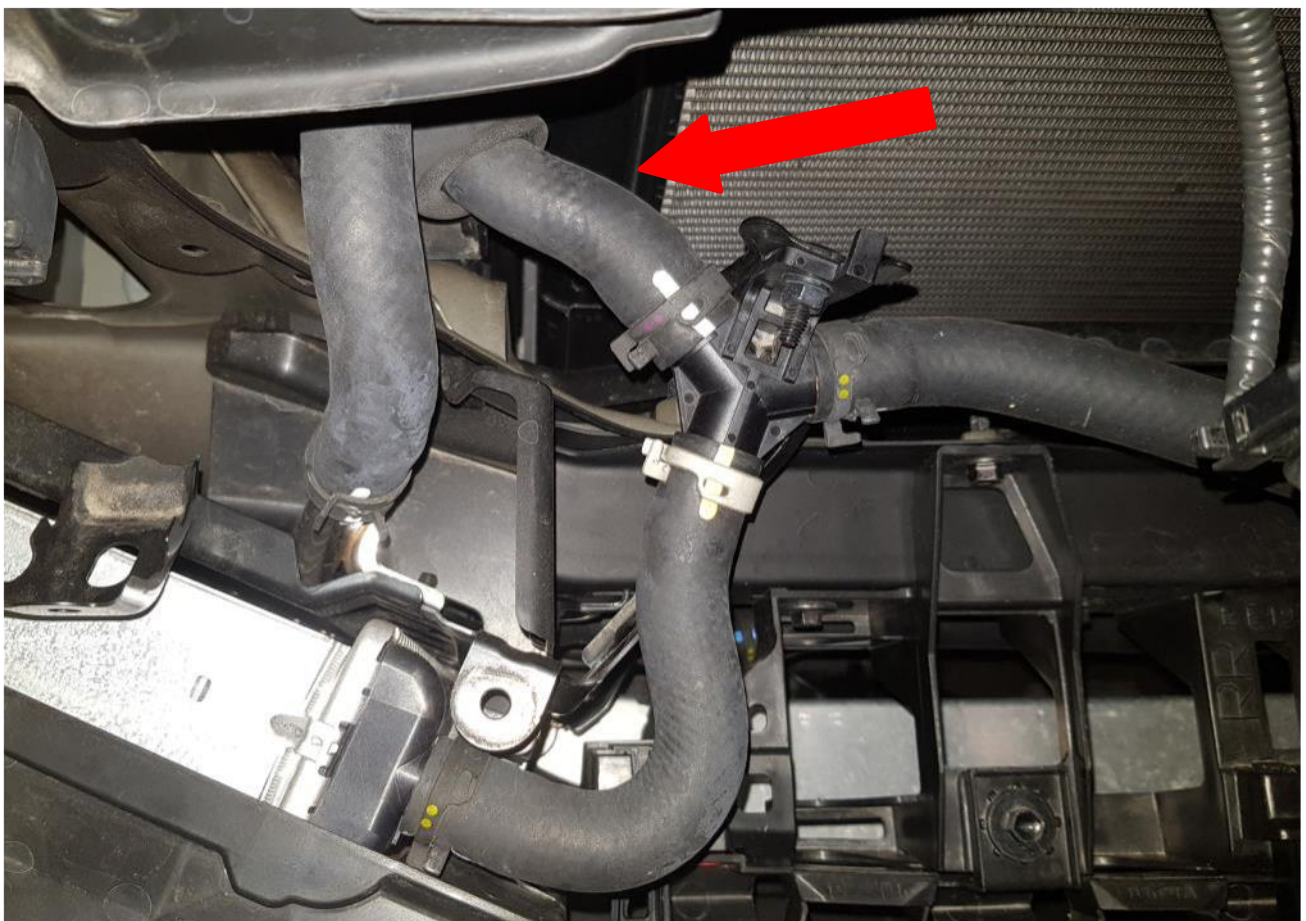


REMOVE PLASTIC COVER OVER BONNET LATCH. MARK POSITION AND UN BOLT BONNET LATCH ALONG WITH SUPPORT BRACKET. UN PLUG HORNS AND UNPICK THE WIRING LOOM RUNNING UNDER THE RADIATOR SUPPORT PANEL. UN BOLT AC PIPE SUPPORT BRACKET AND REMOVE CENTRE RADIATOR SUPPORT PANEL. REMOVE PLASTIC SUPPORT FROM THE BONNET LATCH CABLE AND INSTALL SUPPLIED CONDUIT.





CLAMP HOSES SHOWN TO REDUCE THE LOSS OF COOLANT AND REMOVE LOWER HOSE JOINING THE INTAKE TO THE Y PIECE SHOWN.



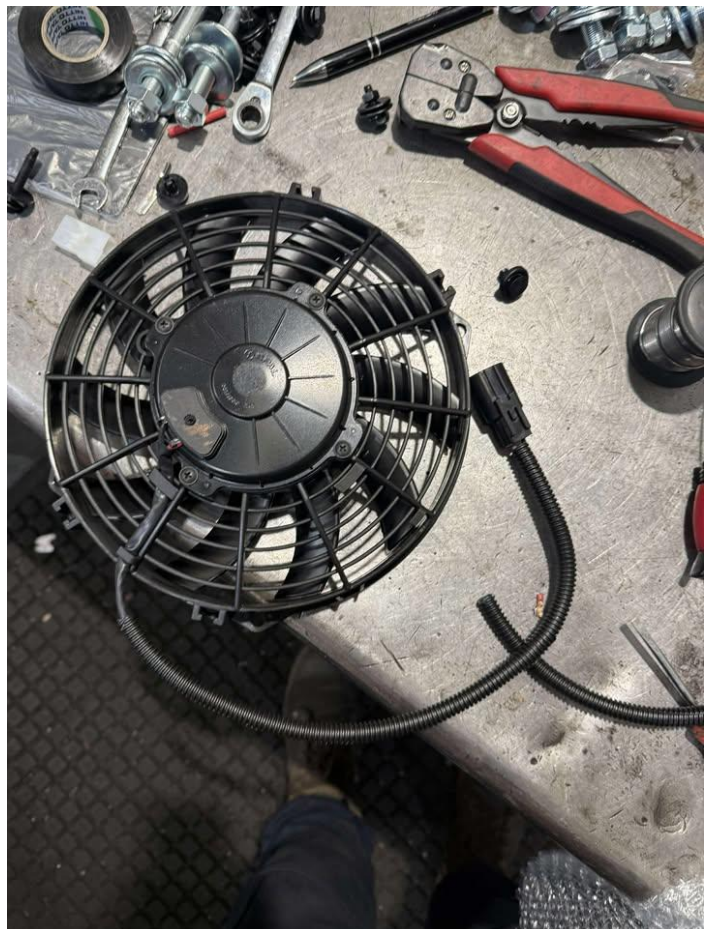
THIS PAGE ONLY CONERSONS YOU IF YOU OWN THE 11/24 ONWARDS 300 SERIES



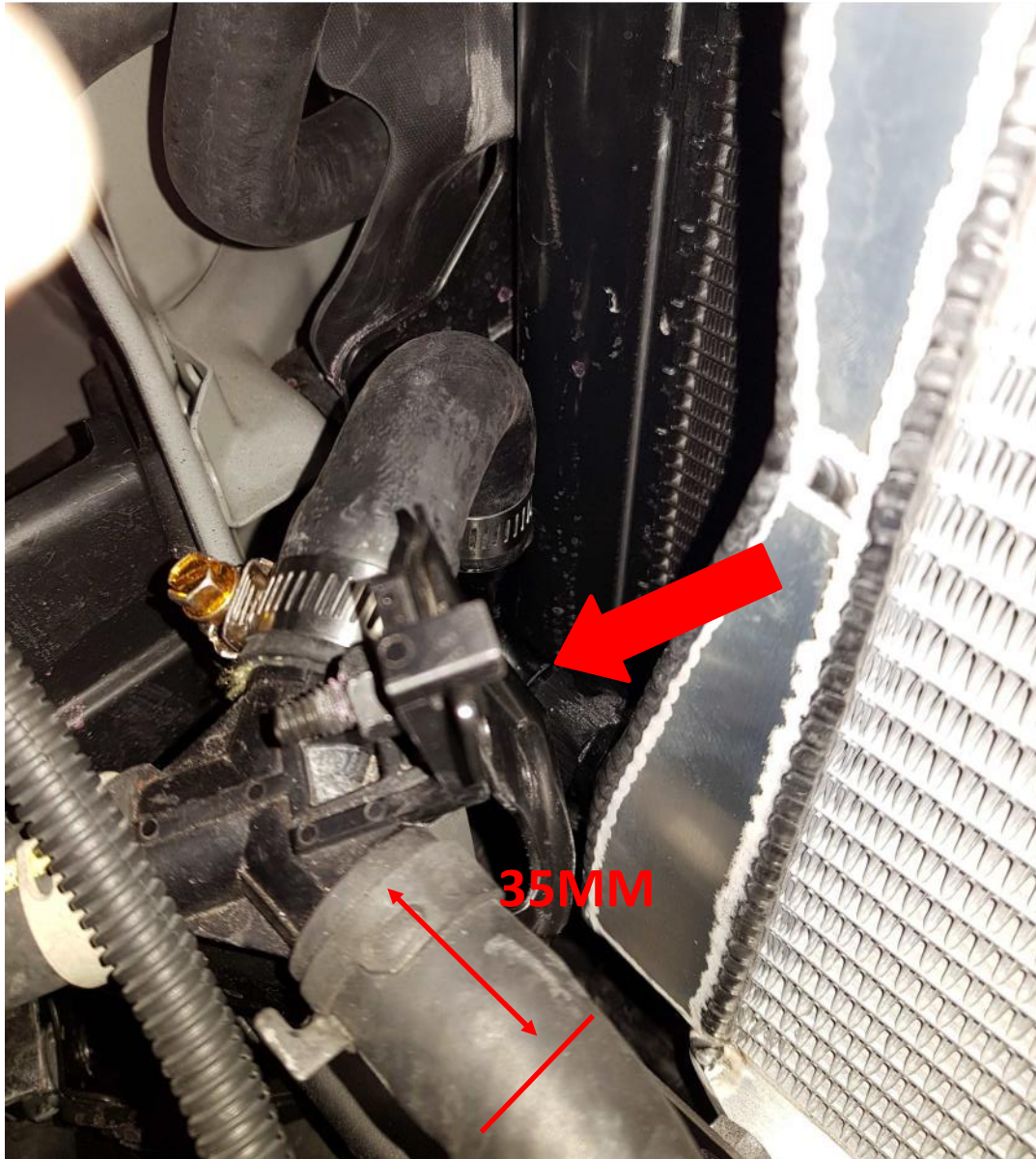
There is a thermo fan positioned directly in front of the A/C condenser. Remove the factory fan to allow sufficient room for the heat exchanger to be installed.

Cut the factory fan plug off, ensuring you leave enough wiring to strip, solder, and reconnect it to the supplied SPAL fan.

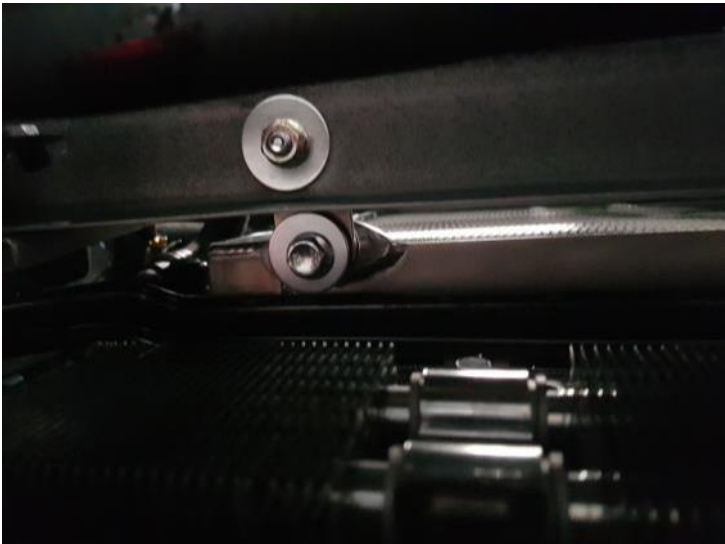
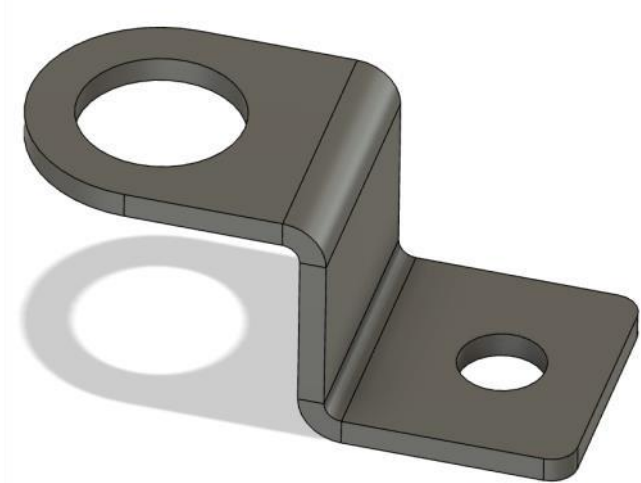
Once the wires have been soldered together, use heat-shrink tubing to seal the connections and ensure they are watertight. Reinstall the wiring conduit over the harness for a clean and professional appearance.



GENTLY BEND THE SUPPORT BRACKET FOR THE Y PIECE TOWARD THE FRONT OF THE VEHICLE LIKE SHOWN. SHORTEN THE LONG HOSE GOING TO THE PASSANGER SIDE HEAT EXCHANGER BY 35MM AND RE INSTALL.



INSTALL THE LOWER MOUNTING BRACKETS TO THE LOWER CROSSBAR LIKE SHOWN USING THE M8X16 BOLT AND NUT. LEAVE FINGER TIGHT.



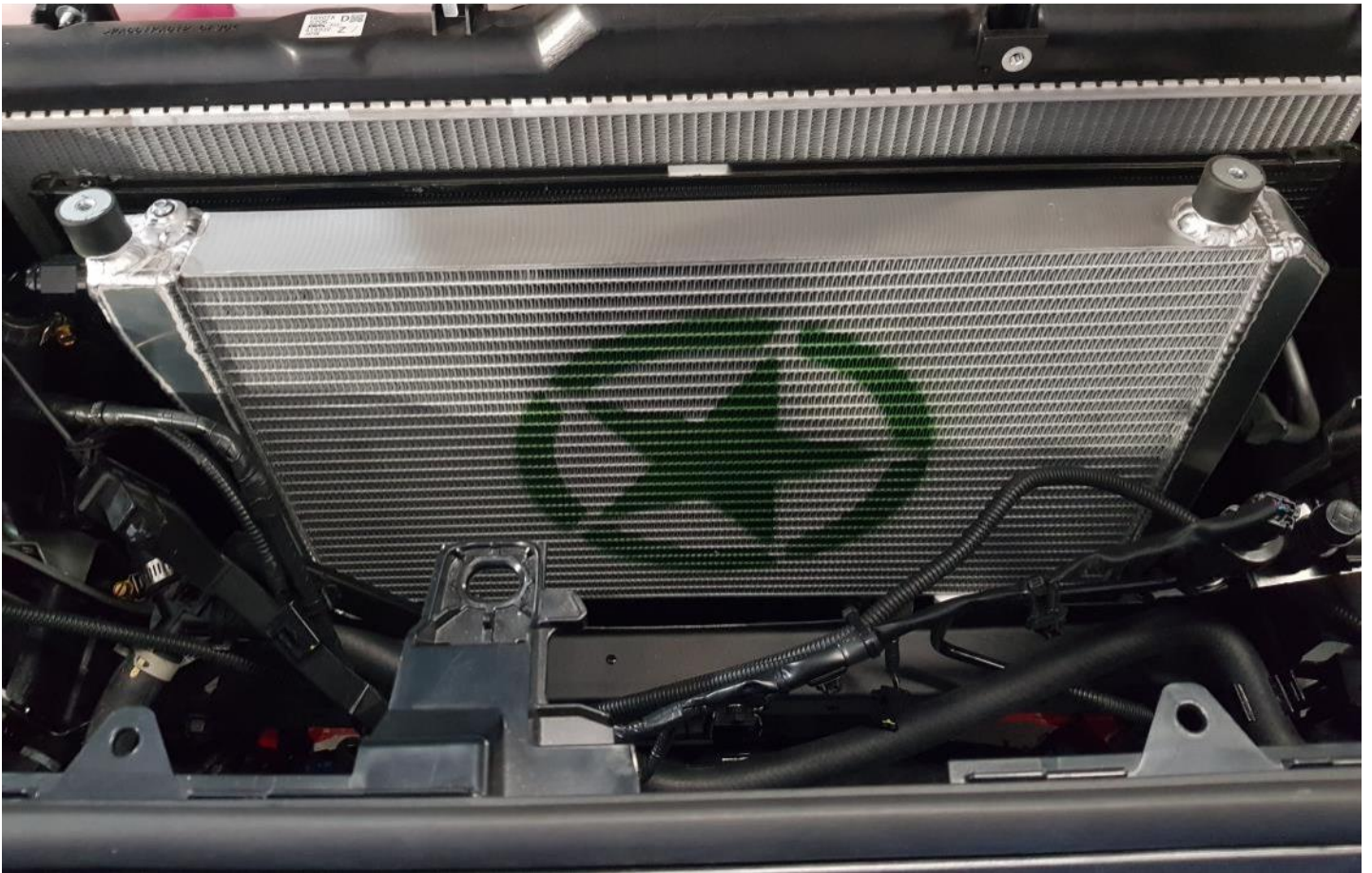
INSTALL THE TWO FITTINGS SUPPLIED LIKE SHOWN WITH THE 60 DEGREE FITTED TO THE TOP OF THE HEAT EXCHANGER AND THE 90 DEGREE TO THE BOTTOM OF THE HEAT EXCHANGER.

60
DEG



90
DEG

INSTALL THE MOUNTING RUBBERS TO THE TOP OF THE HEAT EXCHANGER AND INSTALL THE HEAT EXCHANGER USING THE M8X20 BOLTS SUPPLIED TO THE LOWER BRACKETS. CHECK CLEARANCE TO VEHICLE, TEST FIT RADIATOR SUPPORT PANEL, ADJUST ACCORDINGLY AND TIGHTEN LOWER BOLTS. REMOVE RADIATOR SUPPORT PANEL.



INSTALL LOWER HOSE WITH LONG END TO HEAT EXCHANGER WITH HOSE CLAMPS SUPPLIED.



INSTALL TOP HOSE WITH SHORT SIDE TO HEAT EXCHANGER USING HOSE CLAMPS SUPPLIED.

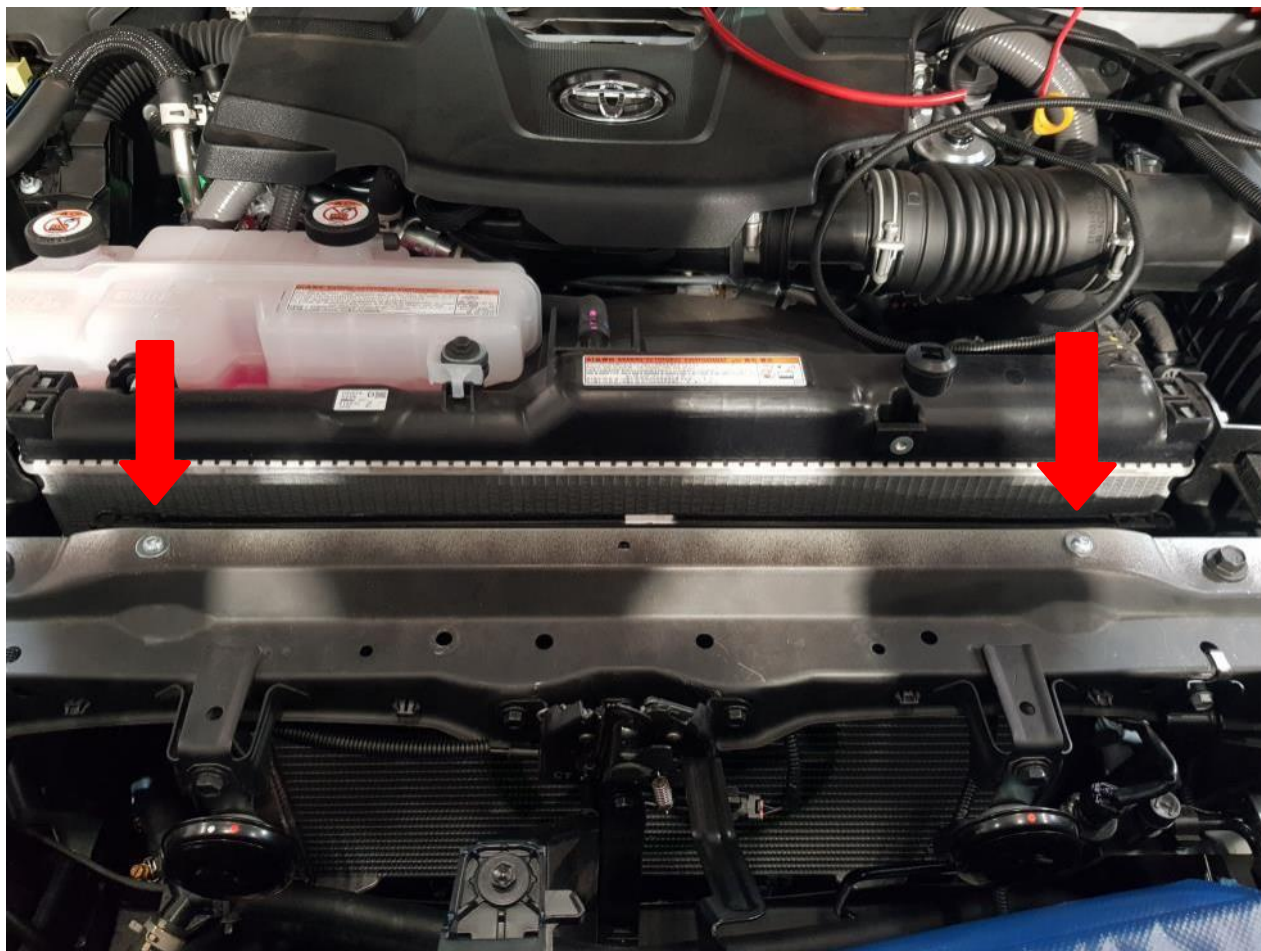
OPEN DRAIN VALVE ON THE REAR OF THE HEAT EXCHANGER AND ADD COOLANT TO THE COOLANT RESERVIOR UNTIL COOLANT COMES OUT OF THE BLEED VALVE. (APPROX 2 LITRES). TIGHTEN BLEED VALVE. LET SIT FOR APPROX 15 MIN AND RE CHECK LEVELS.

REMOVE CLAMPS.



REINSTALL TOP RADIATOR SUPPORT PANEL USING THE SUPPLIED M6X7 ALLEN HEAD BOLTS AND M6 WASHERS TO THE TOP RUBBER MOUNTS FOR THE HEAT EXCHANGER.

RE INSTALL ALL PREVIOUSLY REMOVED COMPONENTS. CABLE TIE BONNET RELEASE CABLE TO WIRING LOOM.



ON THE UNDER SIDE OF THE PLASTIC COVER REMOVE MATERIAL LIKE SHOWN TO CLEAR THE ALLEN HEAD BOLTS.

RE INSTALL PLASTIC COVER AND TEST DRIVE VEHICLE.

CHECK COOLENT LEVELS AT REGULAR SERVICE INTERVALS