



# ISUZU DMAX 3.0L 2012 – 2016

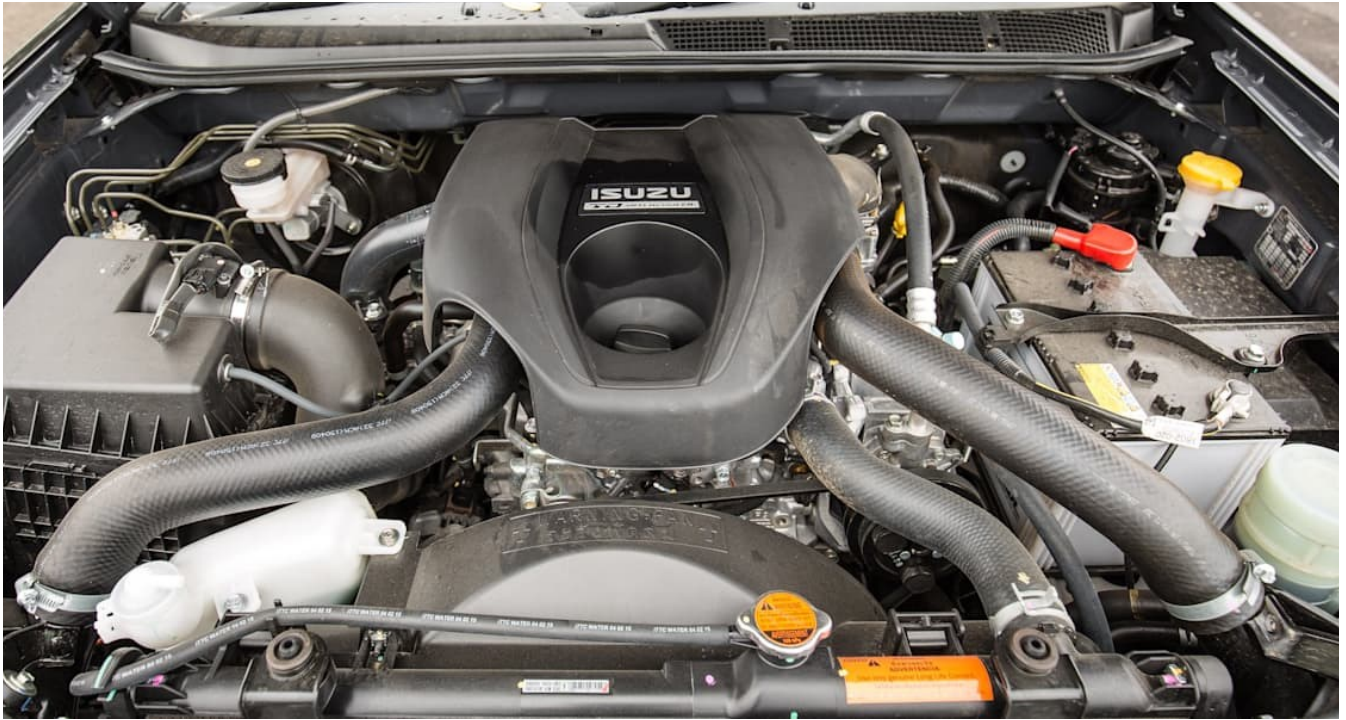
## FRONT MOUNT INTERCOOLER

### INSTRUCTIONS

#### **WARNING**

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



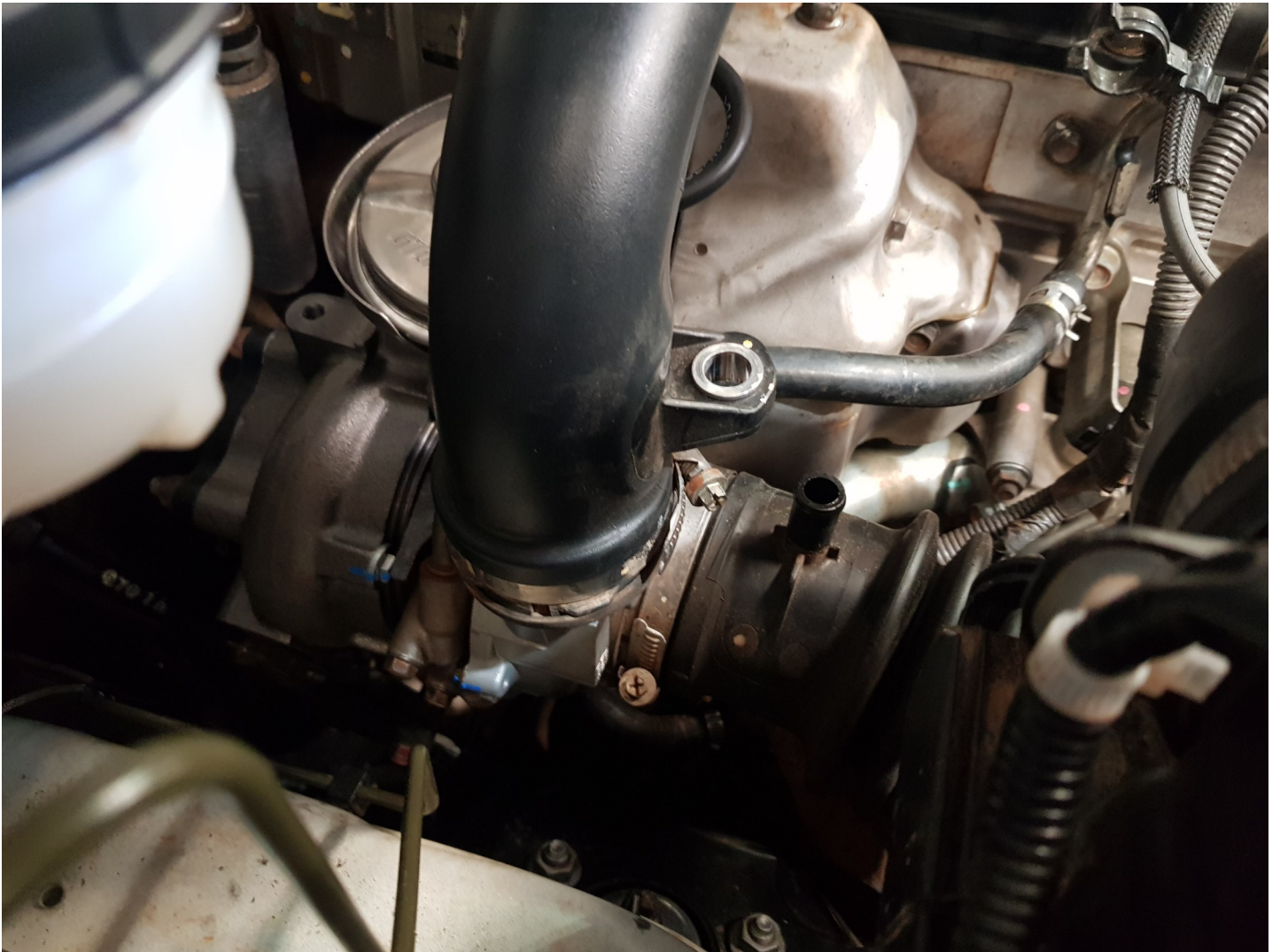
START BY REMOVING THE FRONT GRILL. REMOVE PLASTIC RETAINING CLIPS AND ONE SCREW IN THE MIDDLE.

REMOVE ENGINE COVER FACTORY INTERCOOLER PIPE WORK INCLUDING THE STEEL PIPES BOLTED TO THE RADIATOR SUPPORT.

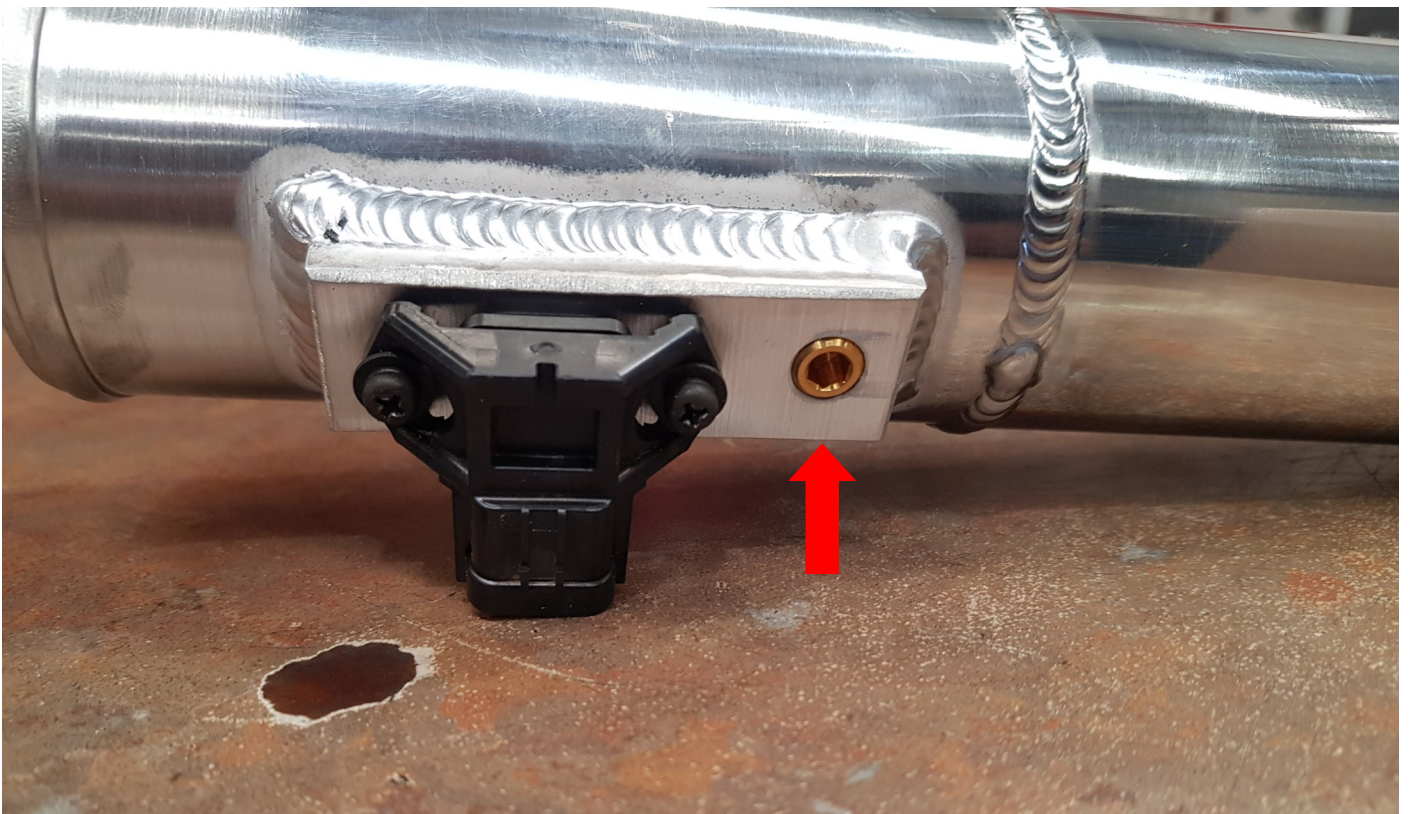
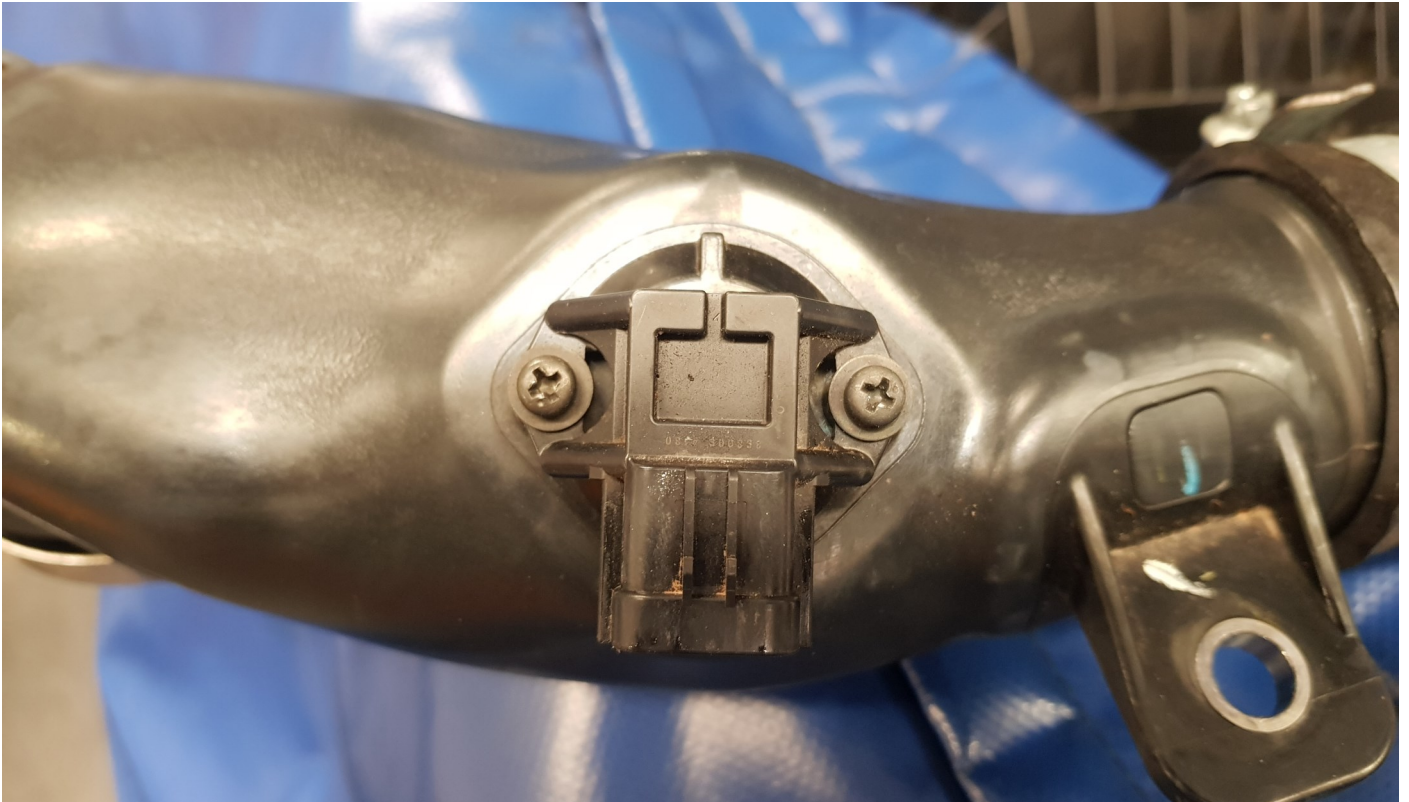
REMOVE THE PLASTIC ELBOW COMING OFF THE INTAKE MANIFOLD.



REMOVE FACTORY PLASTIC PIPE OFF THE TURBO.

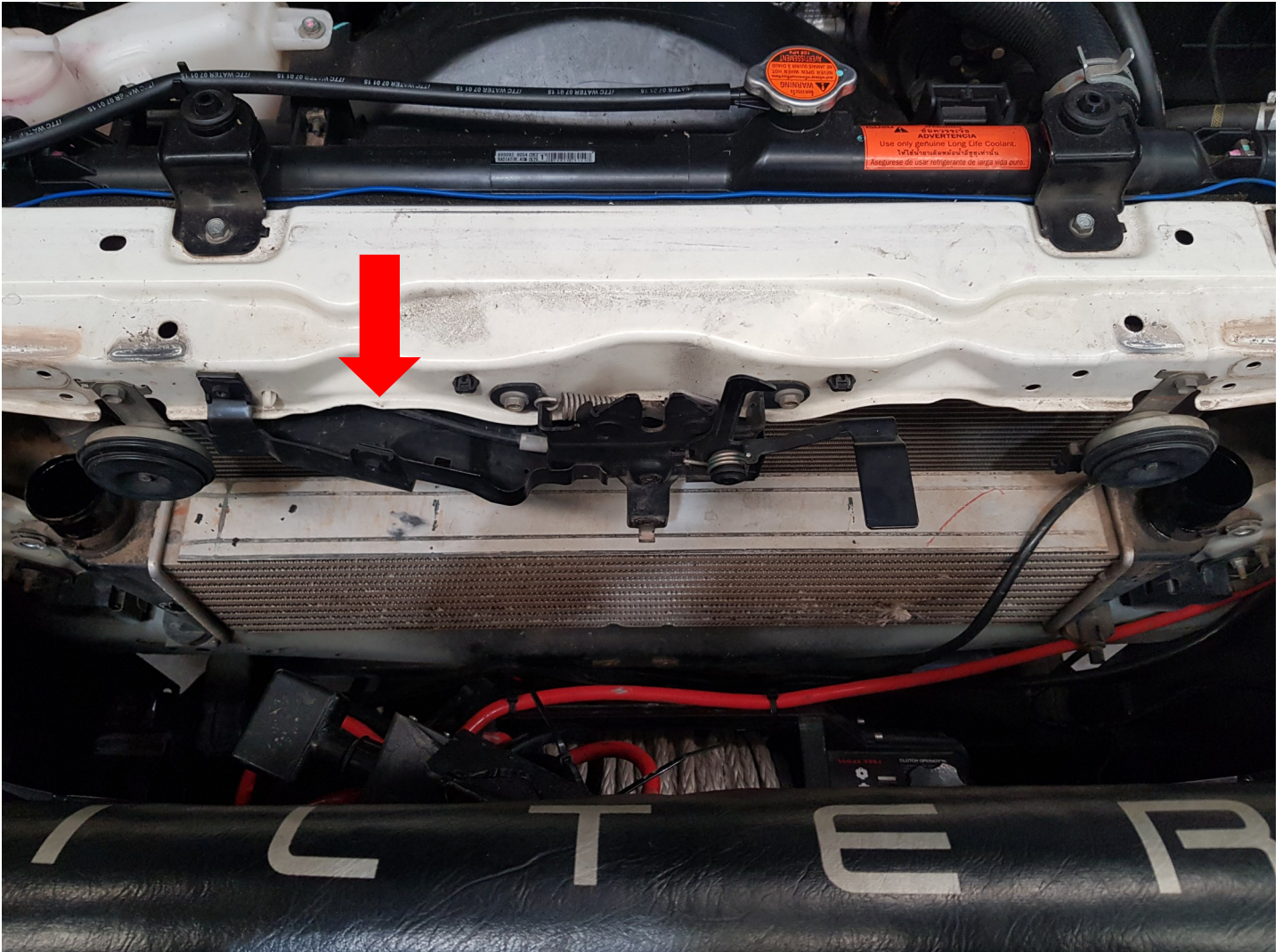


REMOVE SENSOR FROM PLASTIC ELBOW ON THE MANIFOLD PIPE. INSTALL INTO NEW PIPEWORK SUPPLIED



NOTE SPARE PORT FOR BOOST GAUGE IF NEEDED.

REMOVE FACTORY INTERCOOLER, HORNS AND CENTRE RADIATOR SUPPORT BRACKET AND BONNET LATCH. MARK BONNET LATCH POSITION BEFORE REMOVAL  
THE FACTORY PLASTIC SHROUDS AROUND THE INTERCOOLER WILL NEED TO BE REMOVED.  
REMOVE AND DISCARD PLACTIC COVER TO THE LEFT OF THE BONNET LATCH.



**after removing both horns you must  
remove both tabs before relocating them**

INSTALL INTERCOOLER INTO FACTORY LOWER MOUNTS AND USE 2 PANEL BOLTS SUPPLIED TO MOUNT TO HOLES SHOWN.





**The lower M6 bolt located on the bonnet latch must be replaced with the M6x10 bolt and washer provided.**

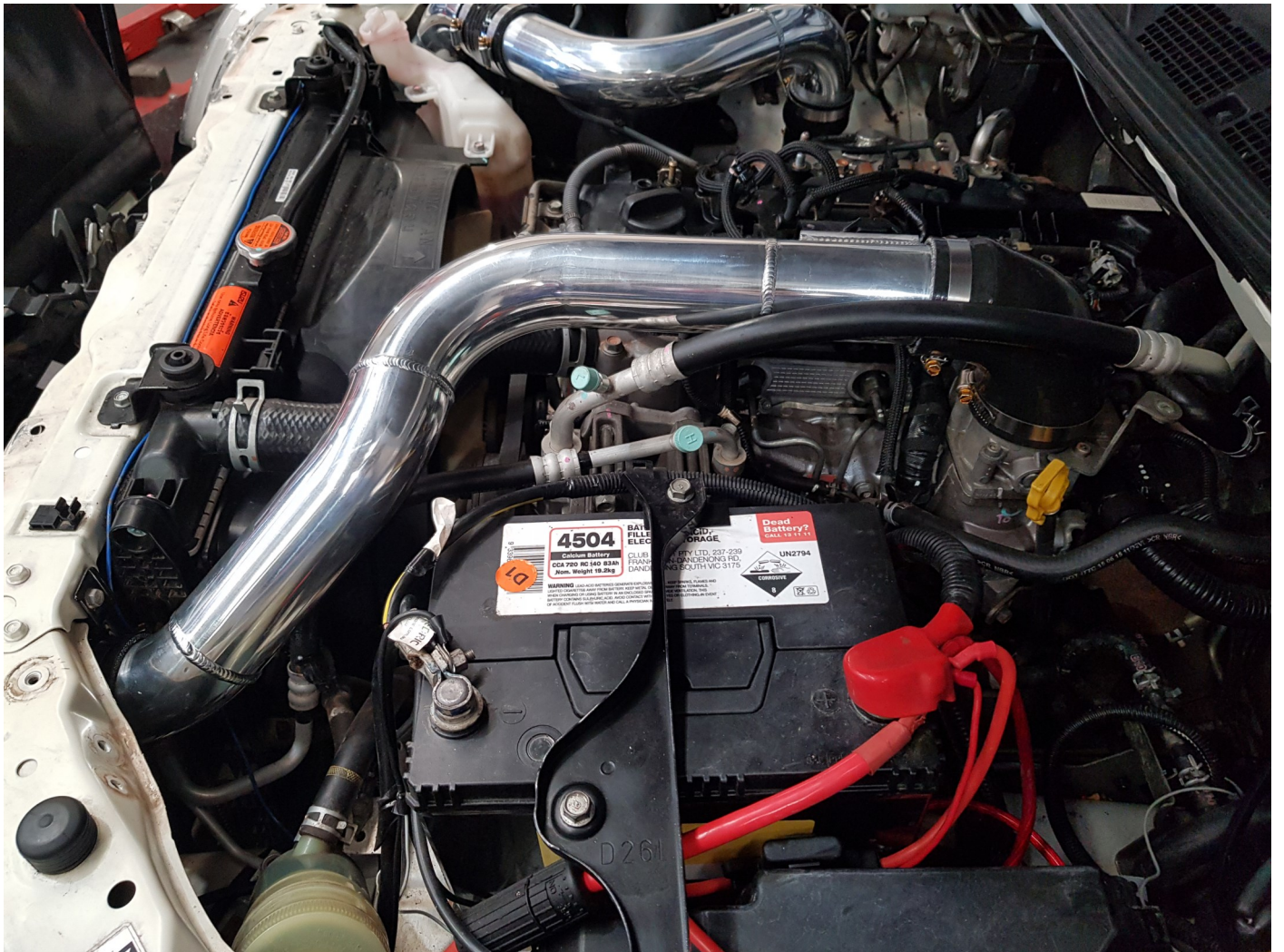


REINSTALL BONNET LATCH AND CENTRE RADIATOR SUPPORT BRACKET. MAKING SURE THE M6X 10 AND WASHER IS USED AS SHOWN IN ABOVE PICTURE.

INSTALL THE 2 45 DEGREE SILICONES ONTO THE INTERCOOLER INLET AND OUTLET POINTING HORIZONTALLY . TAKE NOTE OF HOSE CLAMP POSITION BUT DO NOT TIGHTEN YET.









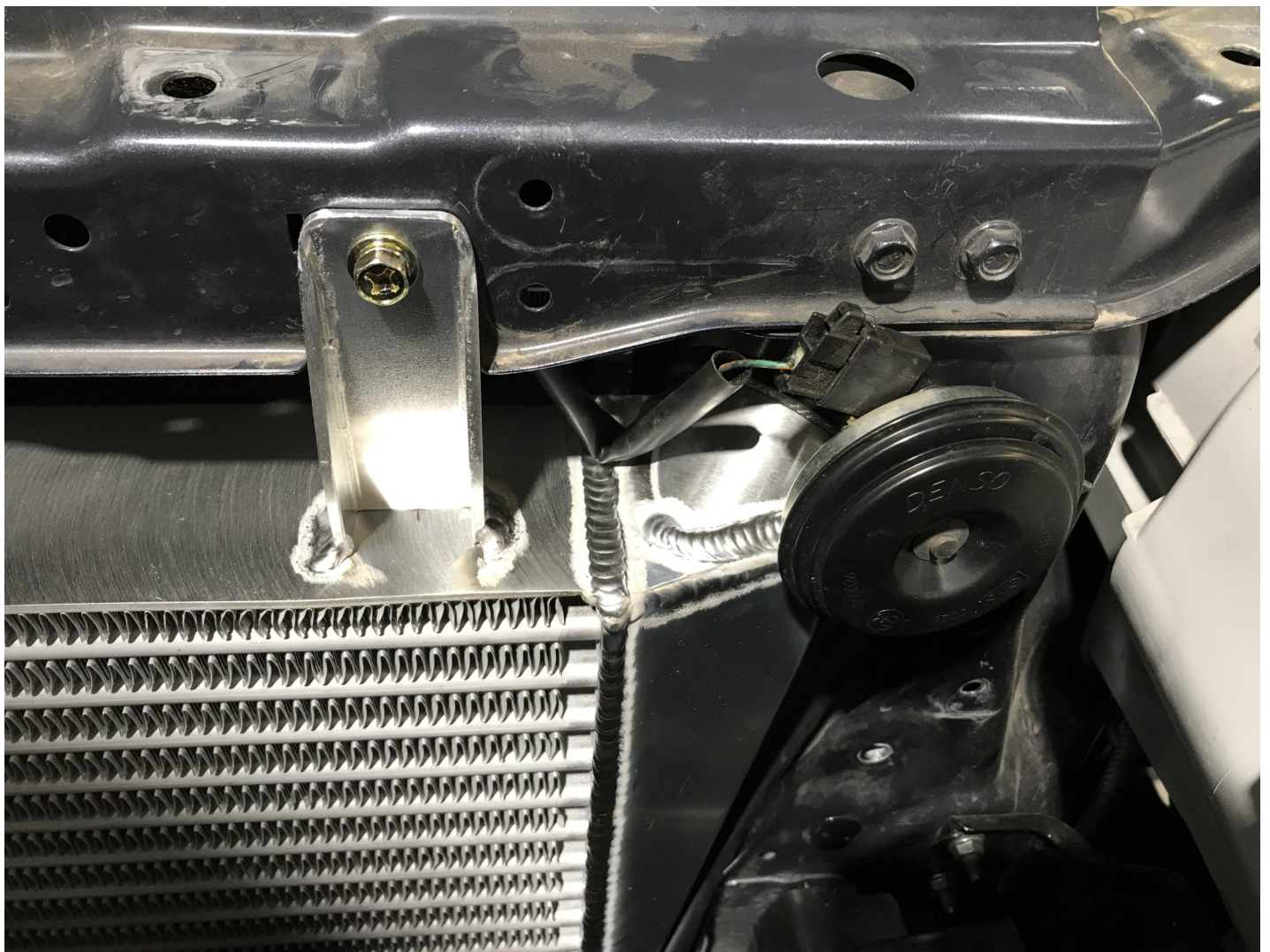
ORIENTATE THE PIPES SO THE TRIANGLE SYMBOL IS FACING UPWARDS AND TO THE FRONT OF THE VEHICLE.

INSTALL STRAIGHT SILICONE REDUCER TO TURBO. INSTALL AND TIGHTEN 2 " CLAMP ONTO TURBO. PLACE SHORT SIDE OF TURBO PIPE INTO THE REDUCER SILICONE AND STRAIGHT SILICONE JOINER ONTO THE OTHER END OF THE PIPE. SLIDE ON HOSE CLAMPS NEEDED BEFORE INSTALLING THE PIPEWORK. INSTALL SECOND TURBO PIPE WITH THE LESSER ANGLE TO THE INTERCOOLER AND JOIN BOTH ENDS. SET INTO PLACE AND TIGHTEN HOSE CLAMPS INCLUDING INTERCOOLER HOSE CLAMP

INSTALL 90 DEGREE SILICONE REDUCER ONTO MANIFOLD SIDE PIPE AND HOSE CLAMPS NEEDED TO INSTALL. INSTALL MANIFOLD PIPE INTO THE INTERCOOLER SILICONE FIRST AND THEN ONTO THE INTAKE MANIFOLD. SET INTO PLACE AND TIGHTEN HOSE CLAMPS INCLUDING INTERCOOLER HOSE CLAMP.

CHASE MAP SENSOR WIRE BACK INTO CONDUIT TO LENGTHEN SLIGHTLY AND PLUG INTO SENSOR ON THE MANIFOLD PIPE

INSTALL HORNS WITH SUPPLIED NUTS AND BOLTS AS SHOWN BELOW. SANDING THE PAINT AROUND THE HOLE TO ENSURE A GOOD EARTH.





THE ENGINE COVER WILL NEED TO BE TRIMMED BOTH SIDES TO ALLOW CLEARANCE FOR THE NEW PIPEWORK.

REINSTALL FRONT GRILL.

MAKE SURE ALL BOLTS AND HOSE CLAMPS ARE TIGHT AND TEST DRIVE VEHICLE.

RE TENSION HOSE CLAMPS AFTER 4-5 DAYS OF DRIVING AND CHECK AT REGULAR SERVICE INTERVALS.

IF INTERCOOLER/PIPEWORK IS REMOVED CLEAN THE PIPE OUTLETS AND INSIDE THE ENDS OF THE SILCONES WITH A SOLVENT SO NO OIL IS PRESENT AT TIME OF INSTALLATION.

IF YOU HAVE ANY QUESTIONS PLEASE CONTACT CROSS COUNTRY 4X4 ON 08 8357 5993.