



ISUZU DMAX (DPF) 3.0L FEB 2017– AUG 2020

FRONT MOUNT INTERCOOLER UPGRADE

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



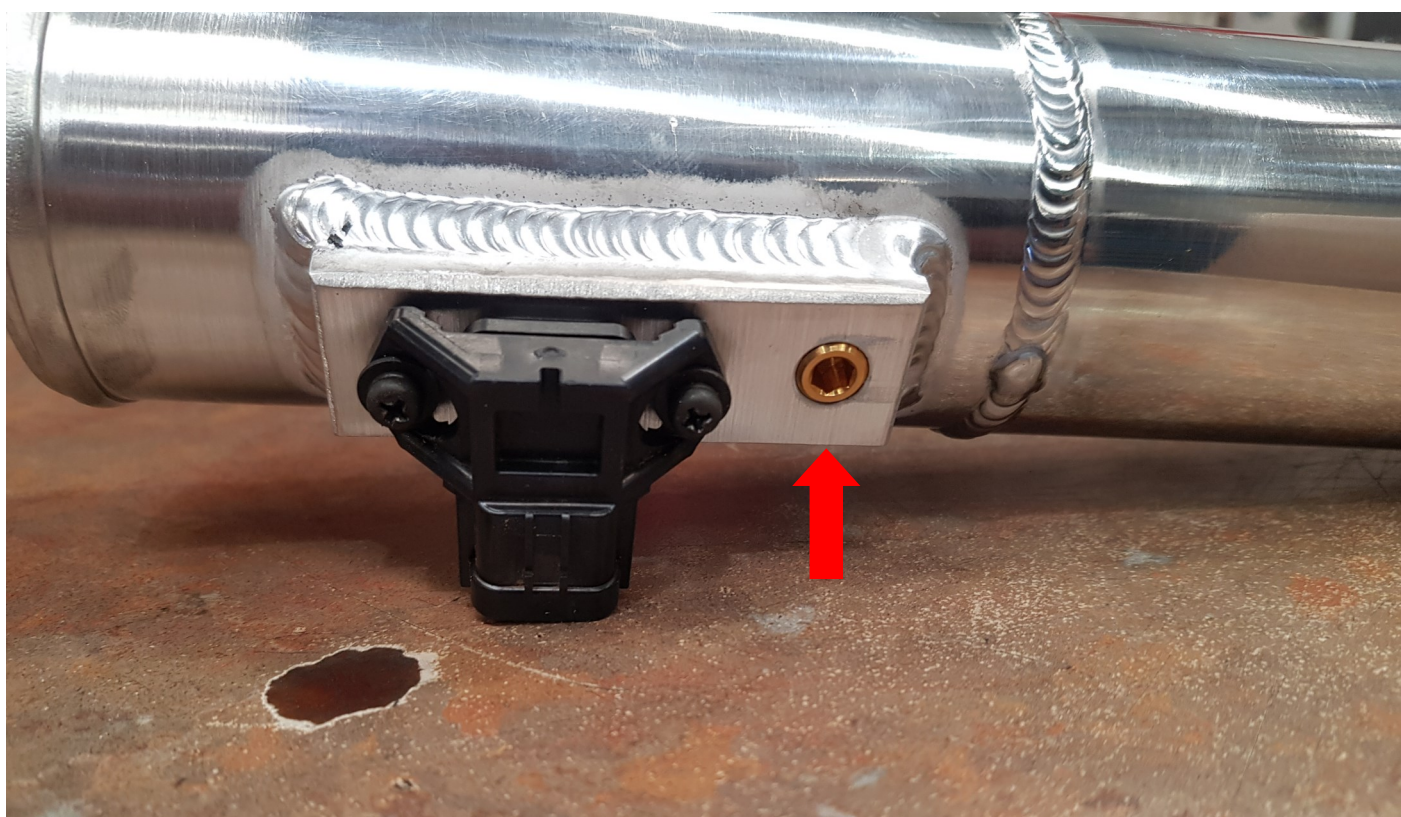
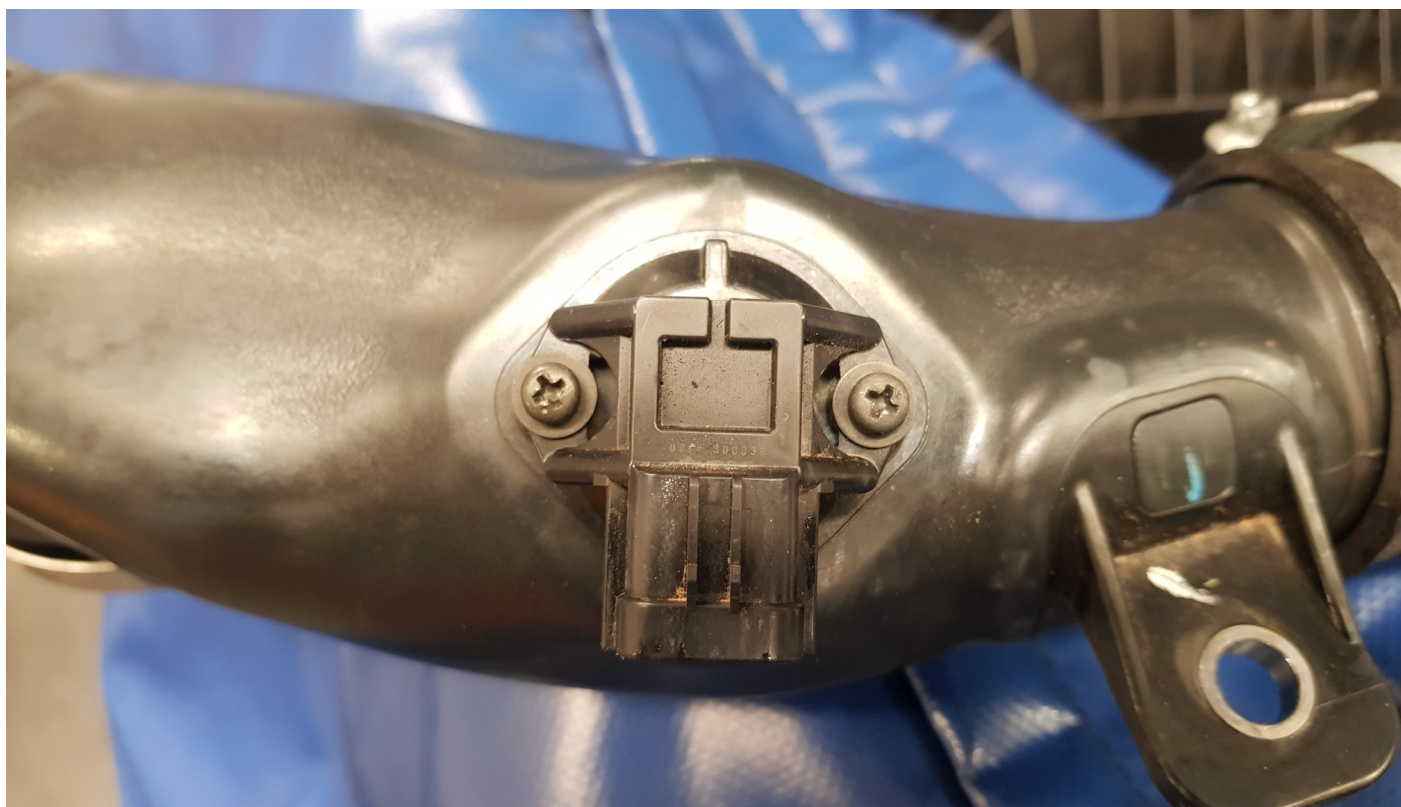
START BY REMOVING THE FRONT GRILL. REMOVE PLASTIC RETAINING CLIPS AND ONE SCREW IN THE MIDDLE.

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.

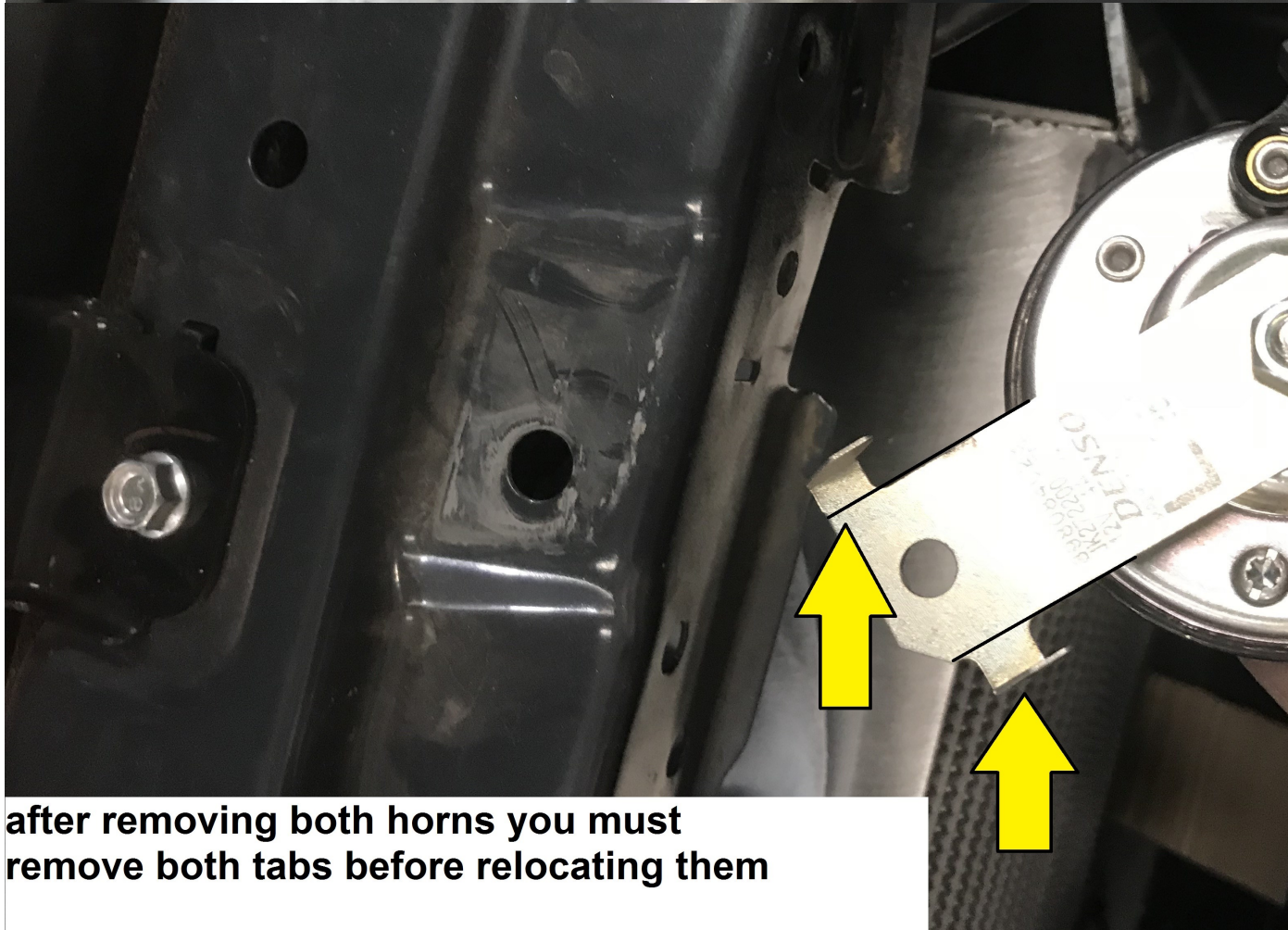


REMOVE SENSOR FROM PLASTIC ELBOW AND SENSOR FROM TURBO PIPE. INSTALL INTO NEW PIPEWORK SUPPLIED



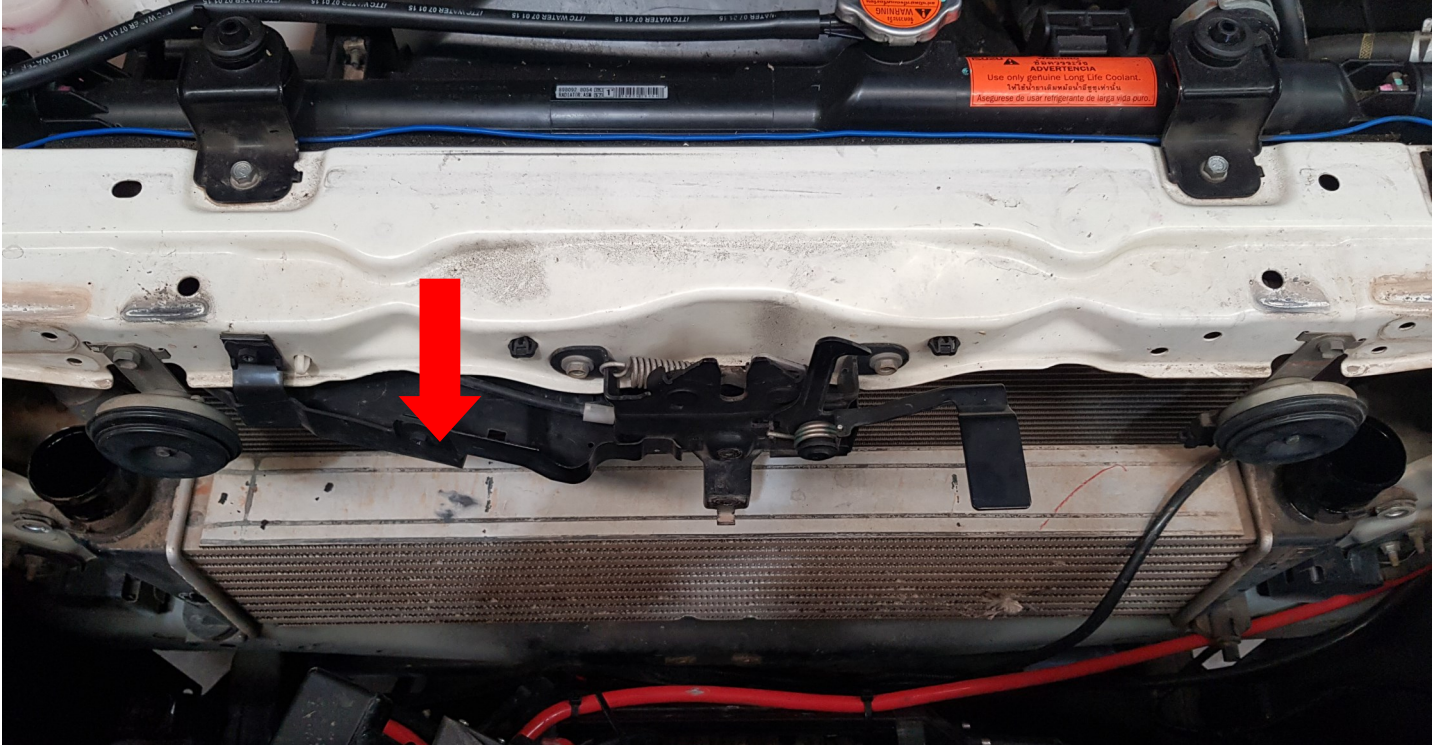
NOTE SPARE PORT FOR BOOST GAUGE IF NEEDED.

TURBO SIDE TEMP SENSOR

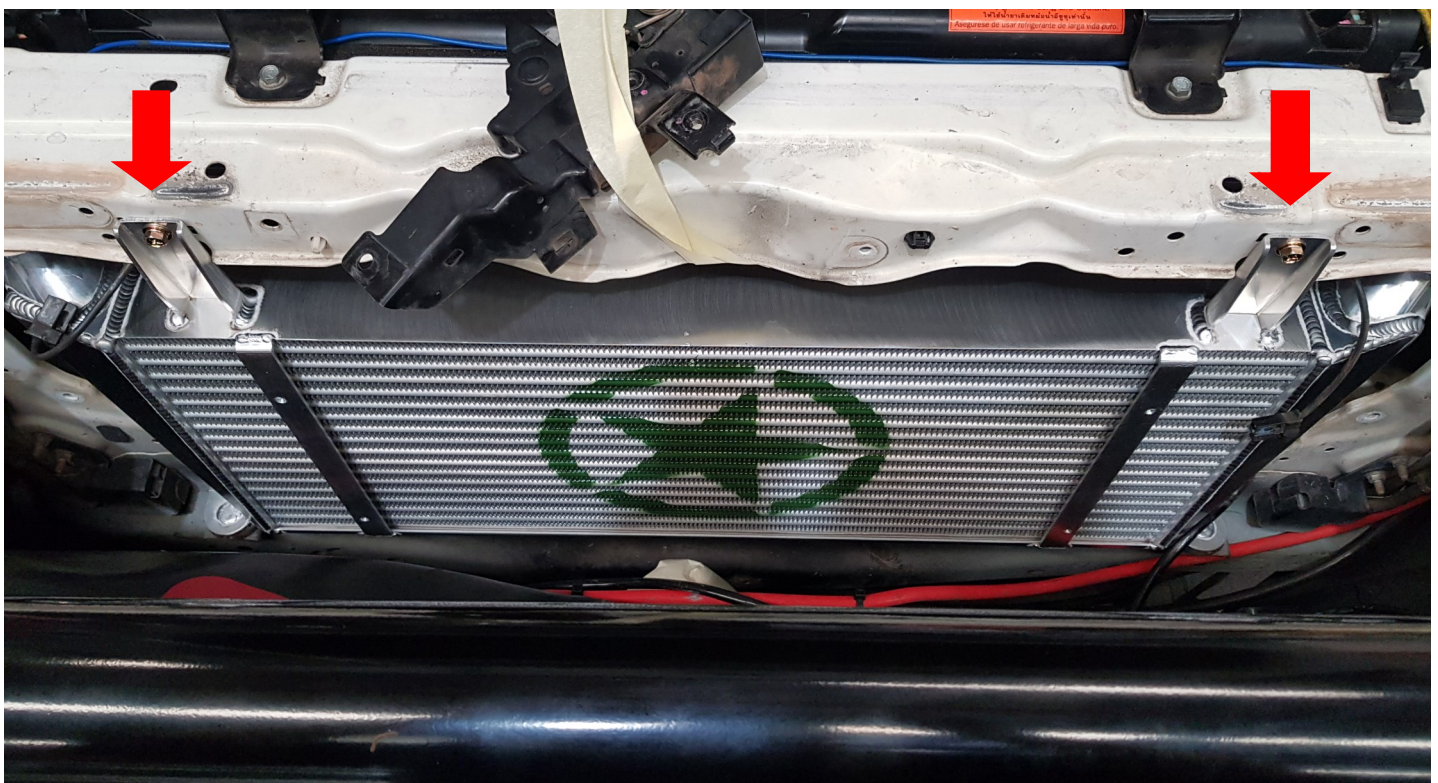


**after removing both horns you must
remove both tabs before relocating them**

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 PLASTIC COVER TO THE LEFT OF THE BONNET LATCH AND DISCARD.



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





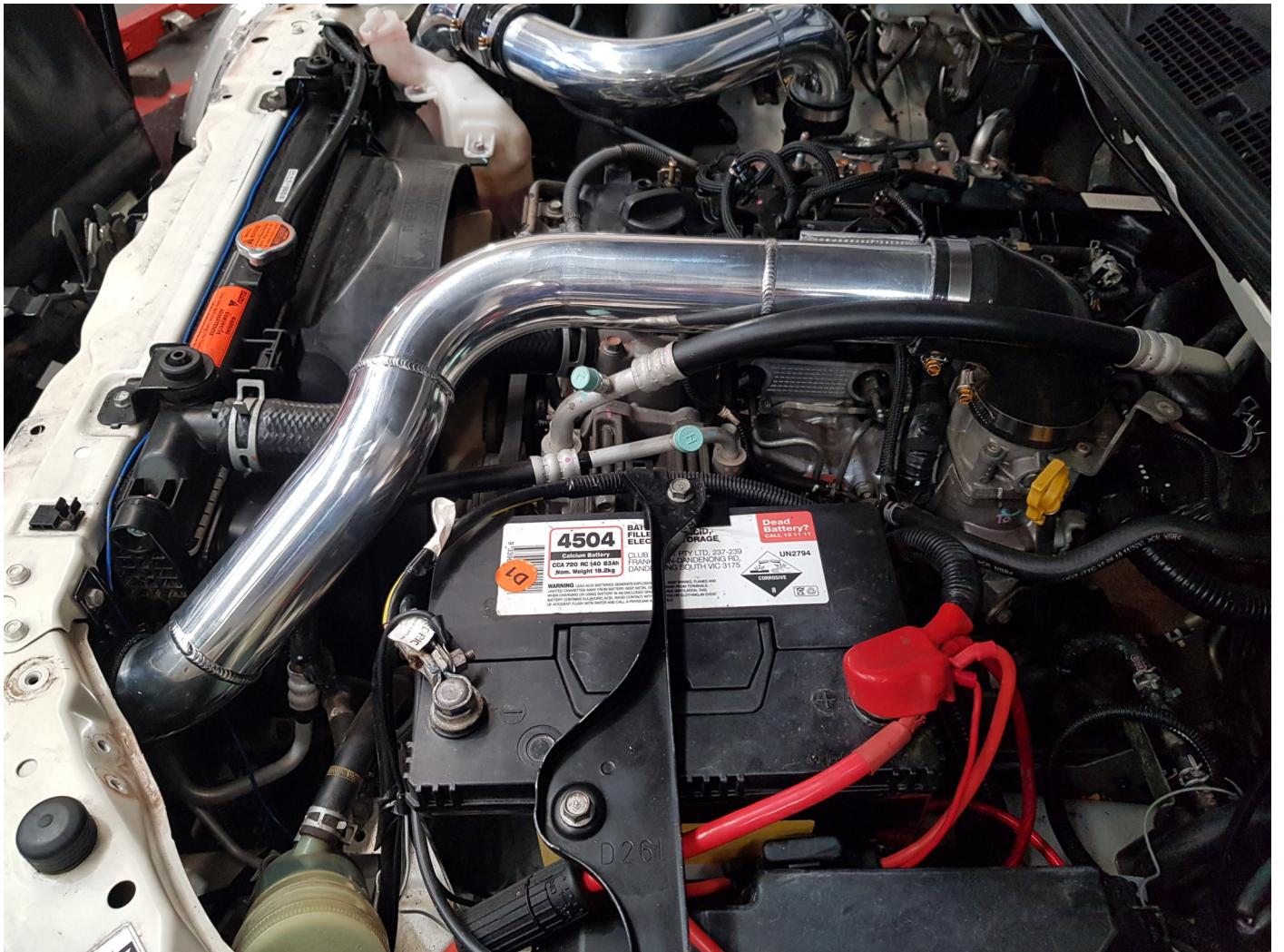
The lower M6 bolt located on the bonnet latch must be replaced with the M6x10 bolt and washer provided.



REINSTALL BONNET LATCH AND CENTRE RADIATOR SUPPORT BRACKET. MAKING SURE THE M6X10 BOLT 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.







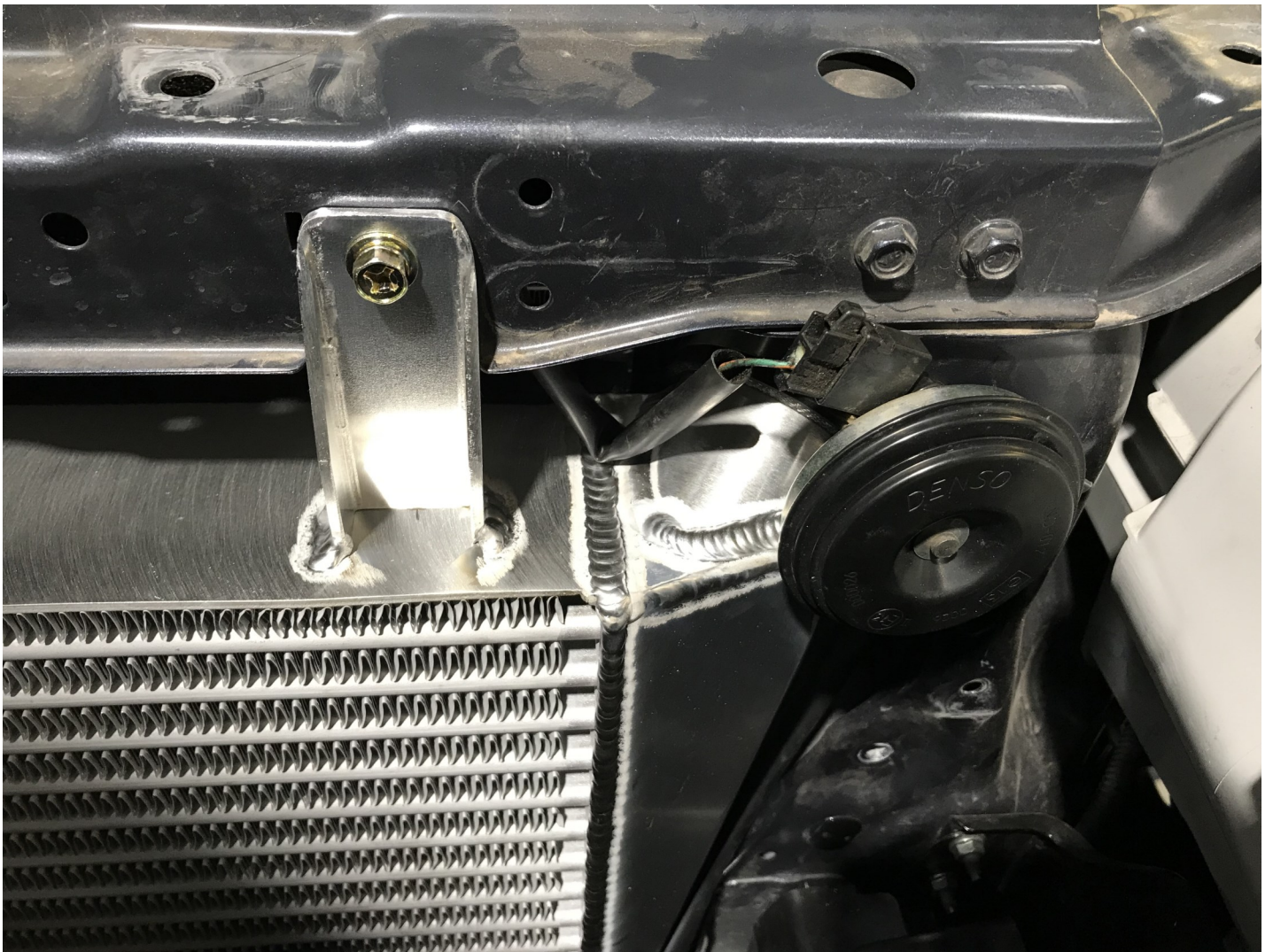
ORIENTATE THE PIPES SO THE TRIANGLE IS ON TOP OF THE PIPE AND FACING TOWARDS THE FRONT OF THE VEHICLE.

INSTALL STRAIGHT SILICONE REDUCER ONTO TURBO SIDE PIPE. PUT HOSE CLAMPS NEEDED ONTO PIPE LEAVING LOOSE. INSTALL TURBO SIDE PIPE INTO INTERCOOLER SILICONE THEN ONTO THE TURBO. SET INTO POSITION AND TIGHTEN HOSE CLAMPS INCLUDING INTERCOOLER SILICONE HOSE CLAMPS. CONNECT TURBO SIDE TEMP SENSOR.

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

CHASE MAP SENSOR WIRE BACK INTO CONDUIT TO LENGTHEN SLIGHTLY AND PLUG INTO SENSOR PREVIOUSLY INSTALLED 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.





TRIM ENGINE COVER AS SHOWN TO ALLOW CLEARANCE WHEN RE INSTALLING COVER.

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.