



W A R N I N G

TOYOTA HILUX N70 FMIC INTERCOOLER FITTING INSTRUCTIONS

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

DISCONNECT SENSORS AND REMOVE FACTORY INTERCOOLER AND PIPEWORK

REMOVE BRACKETS FOR THE FACTORY INTERCOOLER.

CLEAN OUTLET OF TURBO AND INLET OF MANIFOLD SO THEY ARE FREE OF OIL.

REMOVE MAP SENSOR AND TEMP SENSOR FROM THE FACTORY INTERCOOLER AND
INSTALL TO MANIFOLD PIPEWORK.



USE A 3" HOLESAW TO DRILL THROUGH THE RADIATOR SUPPORT PANEL. USING THE CURVED UPPER PIECE OF SHEETMETAL AS A GUIDE. SOME BULLBARS DO NOT ALLOW THE USE OF A DRILL. IN THIS CASE USE A PANEL SAW OR DIE GRINDER.

TEST FIT PIPES AND REMOVE MATERIAL ABOVE AND BELOW THE HOLE TO ALLOW CLEARANCE TO THE PIPES.

PAINT BARE METAL.

GRIND MATERIAL OFF BOTH SIDES OF FAN SHROUD AS SHOWN.



INSTALL SPACER BRACKET TO WASHER BOTTLE FILLER AS SHOWN



LOOSEN SCREW ON THE HEADLIGHT SUPPORT BRACKET AND PUSH TO THE CENTRE OF THE VEHICLE. TIGHTEN. CUT LIKE SHOWN. PAINT BARE METAL, LOOSEN SCREW AND PUSH BACK. RE TIGHTEN SCREW.



MARK POSITION OF THE BONNET LATCH MECHANISM

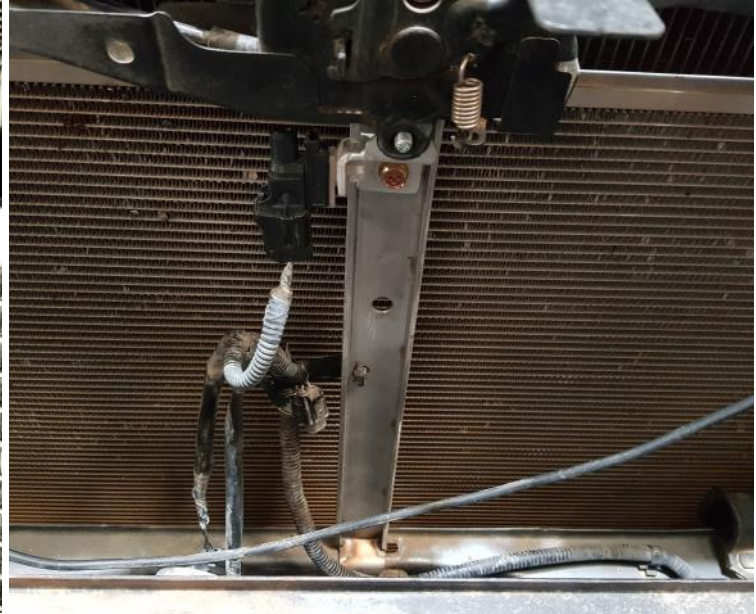
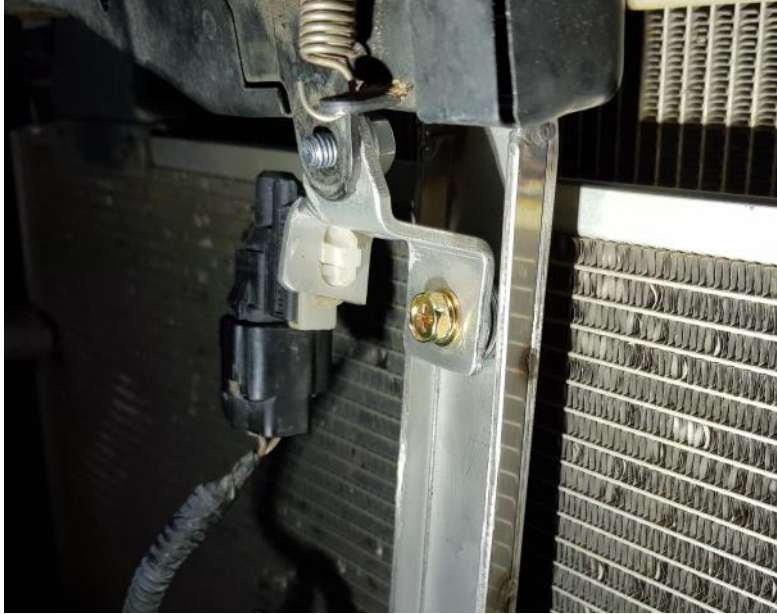
UNCLIP WIRES AND REMOVE HORNS

REMOVE BONNET LATCH MECHANISM AND SUPPORT BRACKET.



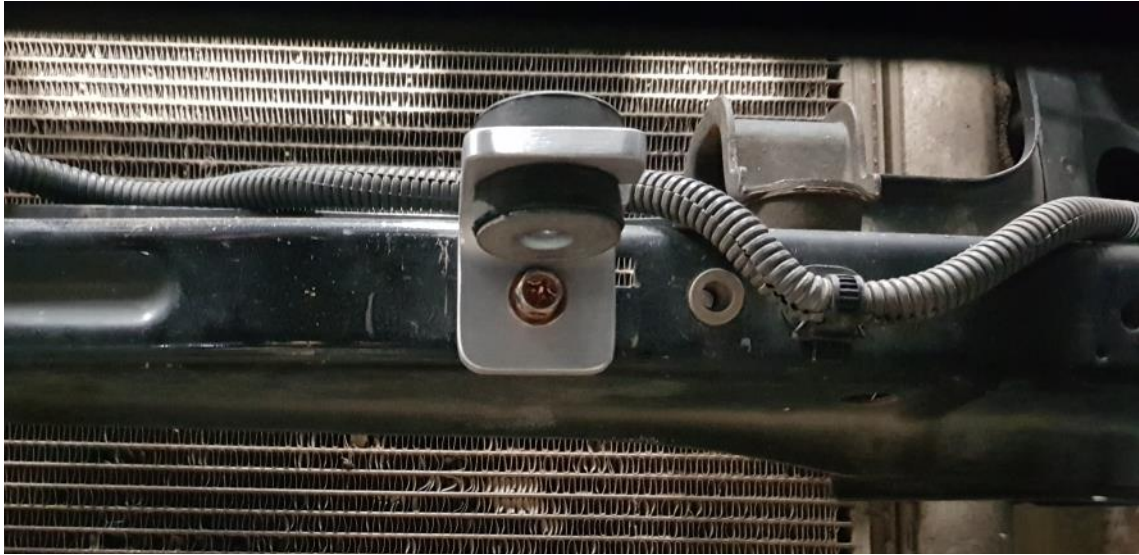
INSTALL SMALL BONNET LATCH SUPPORT BRACKET TO THE BONNET LATCH MECHANISM USING THE M6X10 HEX HEAD AND M8 WASHER.

INSTALL LARGE BONNET LATCH SUPPORT BRACKET FOLLOWED BY THE SMALL BRACKET AS SHOWN. CHECK BONNET LATCH LATCHES BY CLOSING THE BONNET. ADJUST IF NEEDED. INSTALL HORNS AS SHOWN USING M8X16 BOLT AND NUT. CHECK CLEARANCE OF BOLTS TO AC CONDENSOR.



REMOVE FACTORY RUBBERS AND CRUSH TUBES FROM THE FACTORY INTERCOOLER AND INSTALL ONTO UPPER AND LOWER BRACKETS.

INSTALL LOWER BRACKETS USING M6 PANEL BOLT AND PANEL WASHER TO THE CENTRE OF THE SLOT.



INSTALL STRAIGHT REDUCER TO TURBO AND HUMP SILICONE TO MANIFOLD. TIGHTEN HOSE CLAMP.



INSTALL THE INTERCOOLER TO THE LOWER MOUNTS USING THE SUPPLIED M8X35 BOLTS.

INSTALL THE 45 DEGREE SILICONES TO THE INTERCOOLER PIPES WITH HOSE CLAMPS LOOSE. ACCESS TO THE HOSE CLAMPS IS THROUGH THE HOLE SHOWN USING A FLAT HEAD SCREW DRIVER.

INSTALL THE UPPER INTERCOOLER BRACKETS USING THE M8X35 AND M8X16 BOLTS. LEAVE BRACKETS LOOSE.



INSTALL THE MANIFOLD PIPE FIRST. THE INTERCOOLER MAY NEED TO BE LEANT FORWARD TO HELP INSTALL.

INSTALL THE TURBO PIPE.

TIGHTEN UPPER INTERCOOLER BRACKETS

CHECK ALL PIPES A SILICONES ARE SITTING NICELY AND TIGHTEN ALL HOSE CLAMPS.



ON EARLY MODELS THE GRILL WILL NEED TO BE TRIMMED TO SUIT THE INTERCOOLER.

REMOVE THE SUPPORT PIECES SHOWN.

SIT THE GRILL IN THE CAR AND MARK AROUND WHERE THE PIPES ARE TOUCHING AND TRIM

ONCE TRIMMED REINSTALL GRILL

WITH THE INTERCOOLER INSTALLED CHECK ALL HOSE CLAMPS AND FIXINGS ARE TIGHT. TEST DRIVE THE VEHICLE. AFTER A WEEK OF DRIVING RE TENSION THE HOSE CLAMPS AND CHECK AT REGULAR SERVICE INTERVALS. IF PIPEWORK IS EVER REMOVED MAKE SURE THE ENDS OF THE HOSE CONNECTIONS ARE CLEANED WITH A SOLVENT LIKE BRAKE CLEANER



