



75/80/105 1HZ/1HDT PREMIUM INTERCOOLER FITTING INSTRUCTIONS

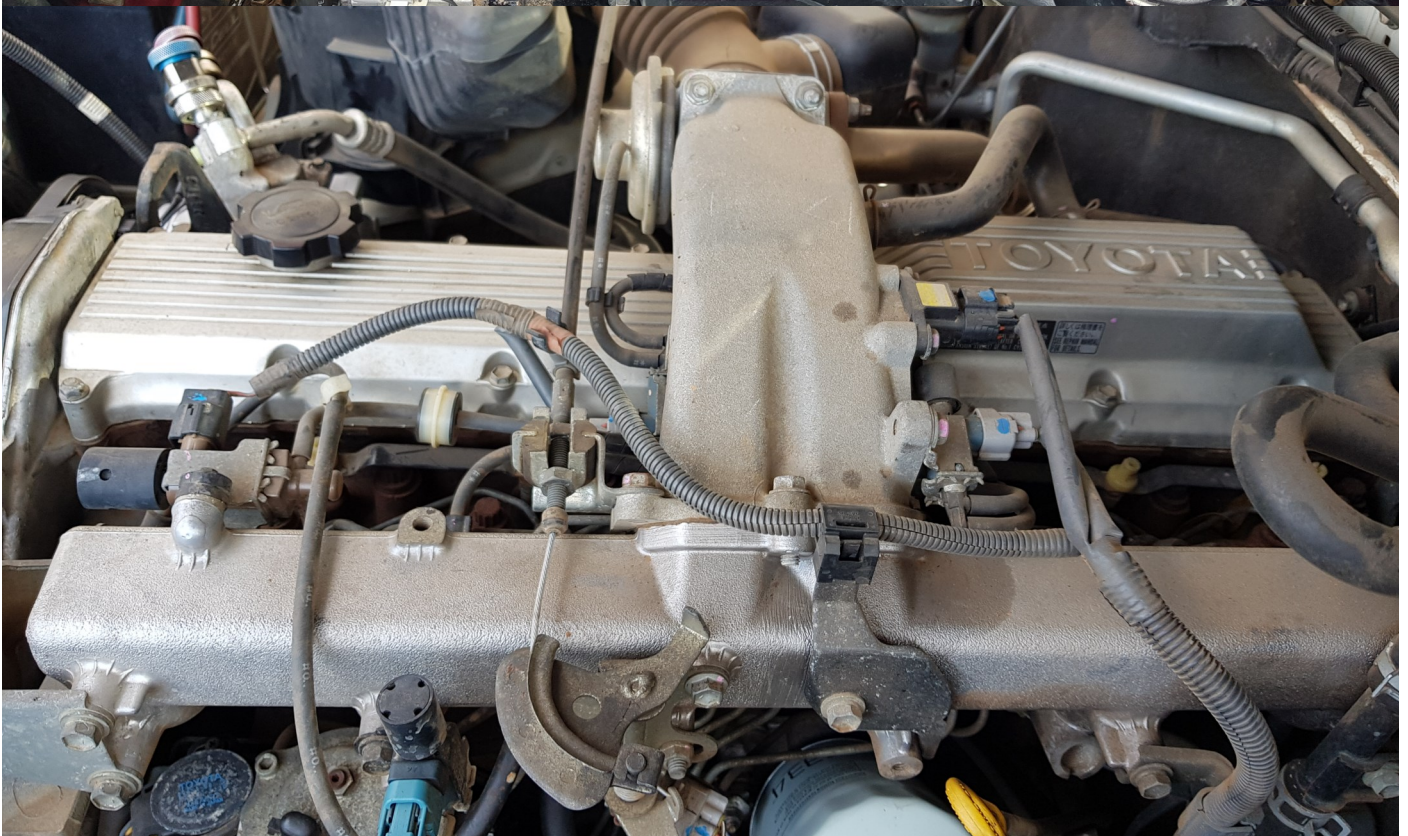
W A R N I N G

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

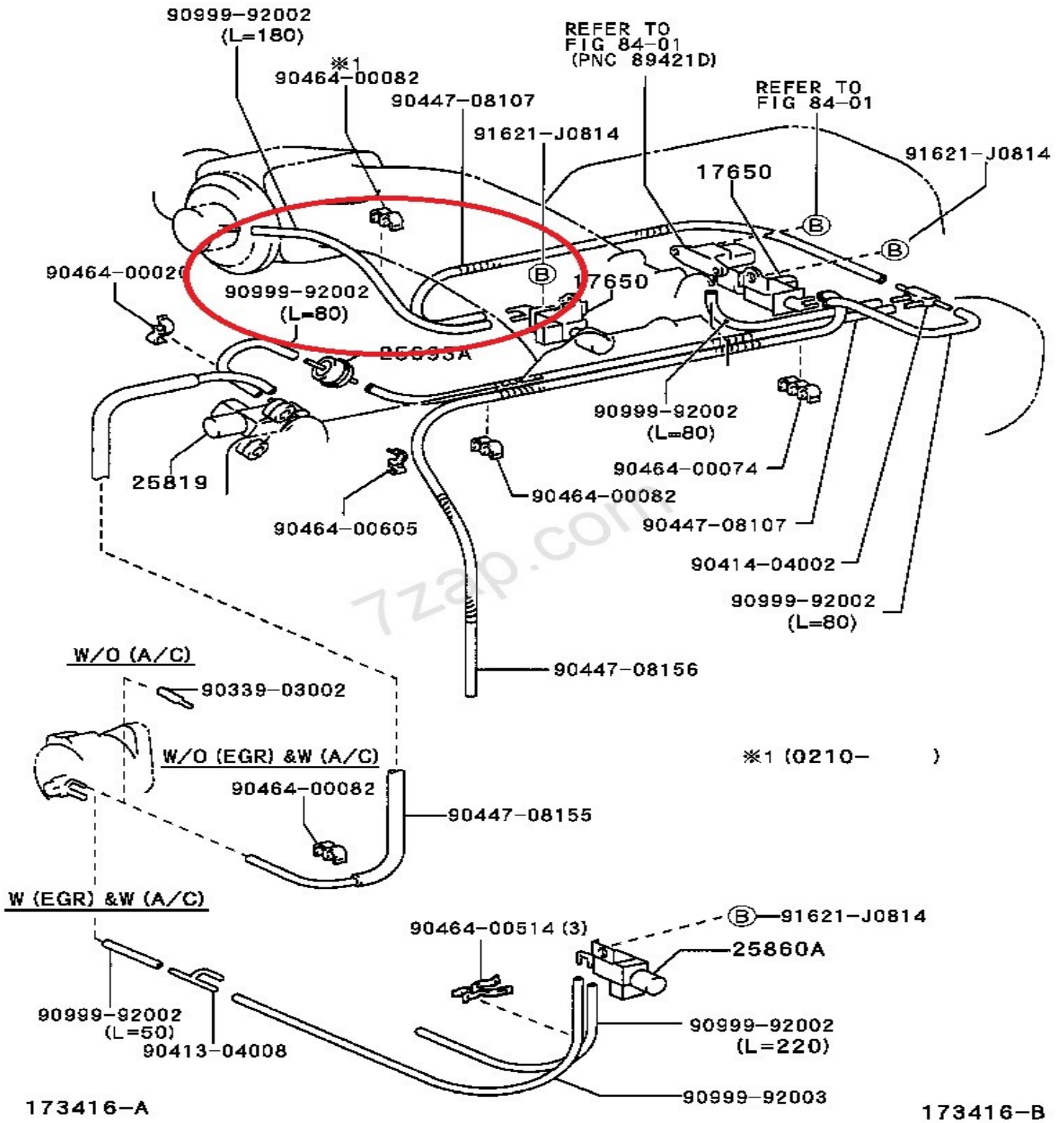
- Do not use this product in any other motor vehicle for which it is not designed.
- Do not use any other mounting location / method other than described in this instruction.
- It is advisable to seek assistance of another person when installing this product.
- Do not repair or modify this product and / 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

PLEASE NOTE THESE INSTRUCTIONS COVER THE 1HZ MOTOR IN 70 80 AND 105 SERIES LANDCRUSIERS.

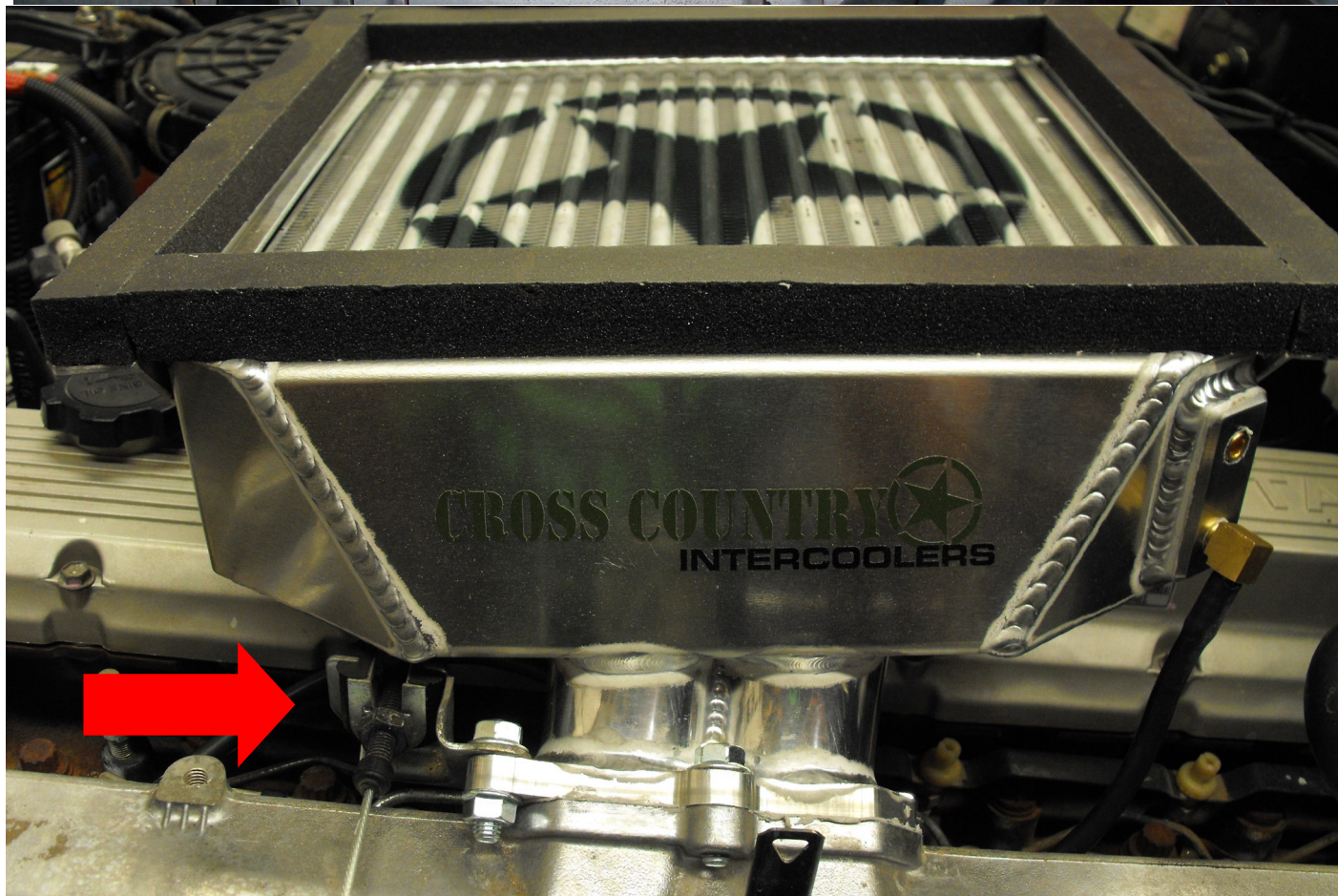
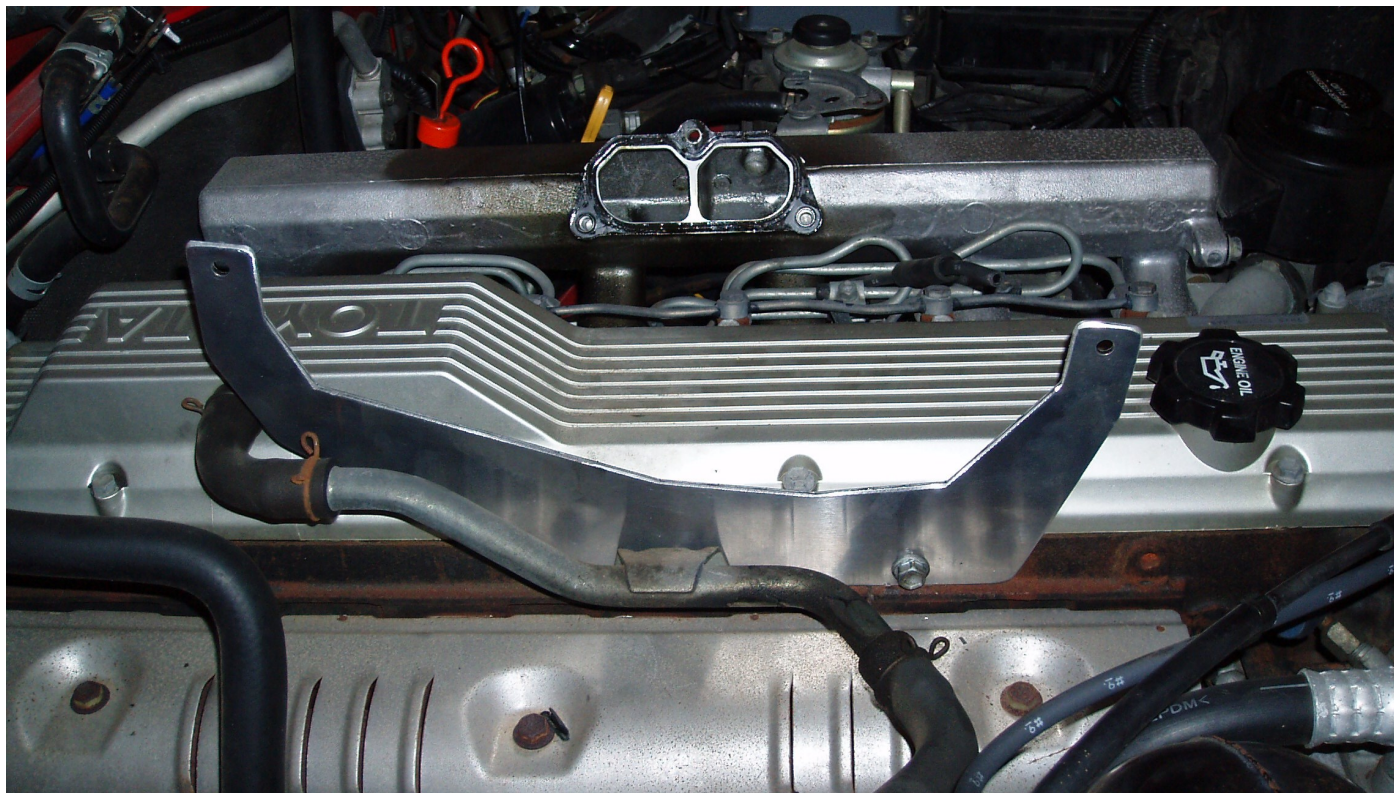
START WITH THE REMOVAL OF THE UNDERBONNET SOUND DEADENING KEEPING ALL THE CLIPS. REMOVE THE CROSSOVER PIPE AND PIPEWORK TO THE TURBO. REMOVE CROSSOVER PIPE SUPPORT BRACKET AND THROTTLE CABLE BRACKET. IF FITTED WITH AN EGR REMOVE EGR PIPE AND INSTALL EGR BLANK PLATE SUPPLIED.



CARS FITTED WITH AN EGR, BLOCK VACUUM LINE RUNNING TO THE EGR DIAPHRAGM. LEAVE ALL OTHER SENSORS ATTACHED, MOVE THE BLACK SENSOR AND BLUE SOLENOID ON THE CROSSOVER PIPE WITH SUPPLIED BRACKET ONTO THE SIDE OF THE INTAKE MANIFOLD.



INSTALL INTERCOOLER SUPPORT BRACKET AS SHOWN USING SUPPLIED M8X16 BOLTS. LEAVE FINGER TIGHT. CLEAN INTAKE MATING SERVICE. APPLY SILICONE SEALER (NOT SUPPLIED) AND INSTALL INTERCOOLER USING FACTORY BOLTS, REINSTALL THROTTLE CABLE BRACKET AT SAME TIME. MAKE ANY ADJUSTMENTS TO INTERCOOLER BEFORE TIGHTENING. WITH LIGHT UPWARDS PRESSURE ON THE INTERCOOLER TIGHTEN BOLTS TO INTAKE MANIFOLD FOLLOWED BY THE INTERCOOLER TO BRACKET AND BRACKET TO HEAD BOLTS.



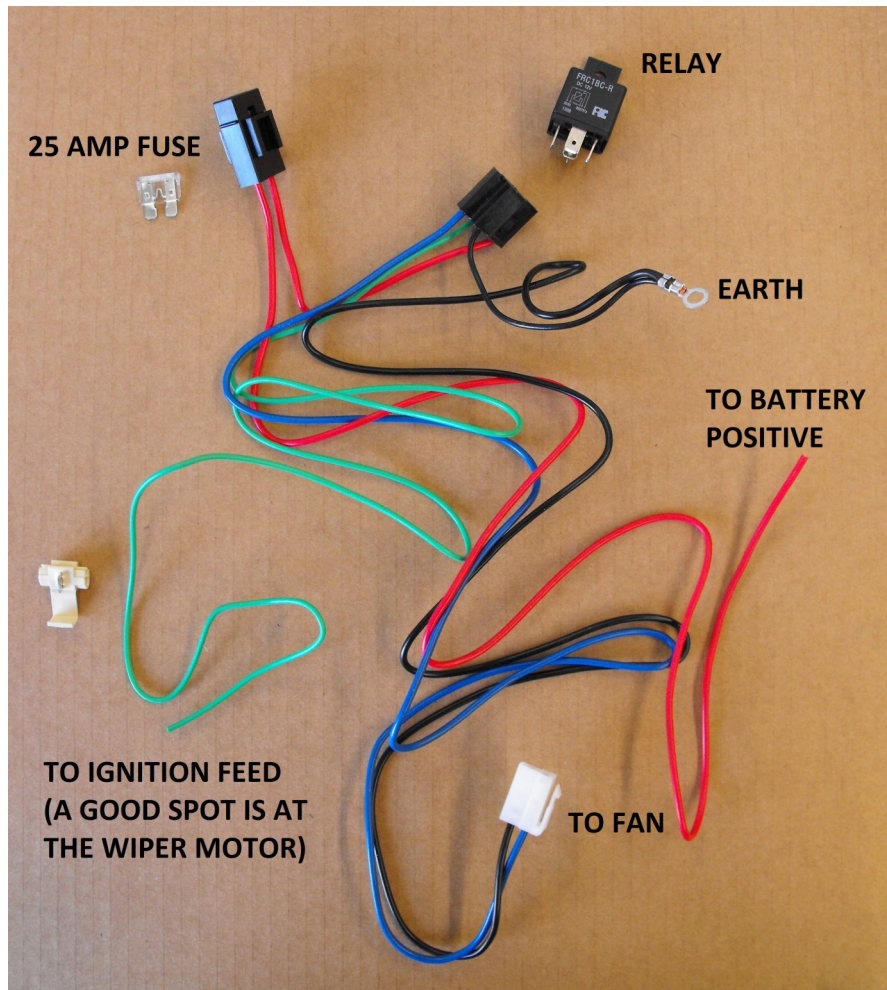
WITH INTERCOOLER FITTED TRIM AND INSTALL THE 2 45 DEGREE SILICONES TO THE TURBO SIDE OF THE INTERCOOLER. (NOTE OLD PICTURE SHOWN).

SLIDE HOSE CLAMPS OVER SILICONES AND INSTALL USING SUPPLIED JOINER.

DEPENDING ON MODEL RUN THE SUPPLIED VACUUM LINE FROM THE INTERCOOLER TO EITHER THE FUEL PUMP OR T PIECE (80 SERIES). IF THE FUEL PUMP DOES NOT HAVE A BOOST COMPESATOR FITTED THE BOOST LINE CAN BE USED FOR A BOOST GUAGE OR BE BLOCKED OFF.



WITH INTERCOOLER FITTED. INSTALL THE WIRING LOOM AS SHOWN. A GOOD PLACE FOR IGNITION IS THE WIPER MOTOR OR THE BREAK OUT BOX DEPENDING ON MODEL.



INSTALL FOAM SQUARES STICKY SIDE UP ON THE OUTSIDE CORNERS OF THE INTERCOOLER. SHUT THE BONNET GENTLY SO THE FOAM SQUARES TRANSFER TO THE BONNET. (ULTIMATE SHOWN)



REMOVE BONNET AND SET ON TRESSLES. MARK THE FOUR FOAM SQAURES BEING SURE TO MARK ON THE INSIDE EDG OF THE SQUARES. REMOVE SQUARES AND DRILL THE TWO FRONT HOLES ONLY WITH A PILOT DRILL (3MM). CUT UNDER BONNET WEBBING OUT TO ALLOW APPROX 30-50MM CLEARANCE AROUND THE INTERCOOLER. THIS VARIES BETWEEN MODELS.

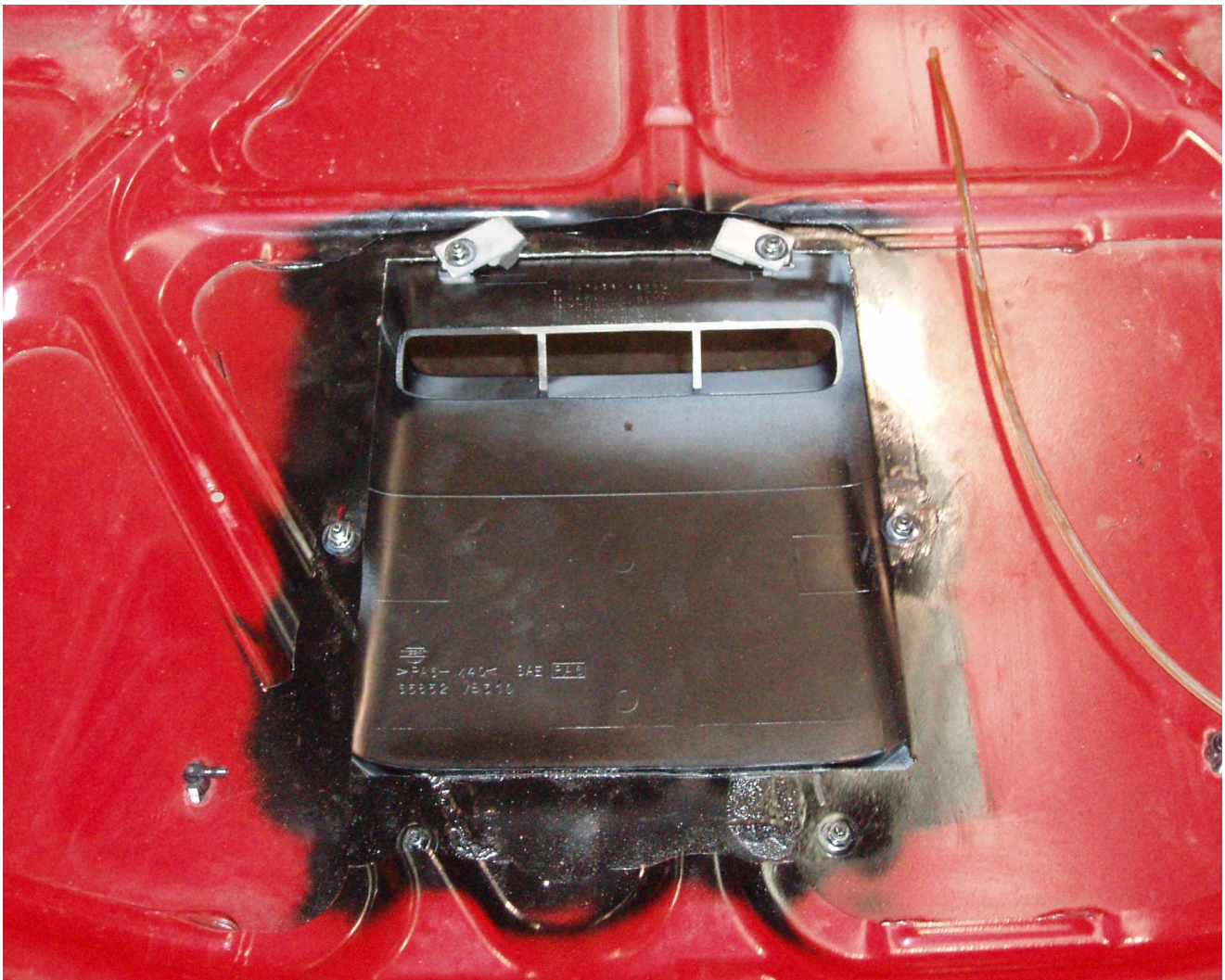
AFTER TRIMMING WEBBING PLACE CARDBOARD TEMPLATE ON THE TOP OF THE BONNET, ALIGNING THE POINT MARKED ON THE TEMPLATE TO THE TWO DRILLED HOLES SHOWING THE FRONT POSITION OF THE INTERCOOLER. CONFIRM THE SCOOP IS SITTING SQUARE ON THE BONNET AND MARK TEMPLATE HOLE AND MOUNTING HOLES.



USING A GRINDER CUT OUT THE HOLE FOR THE INTERCOOLER USING MULTIPLE SHALLOW CUTS TO HELP PREVENT THE PAINT FROM BLISTERING. DRILL OUT MOUNTING HOLES.

DEBURR AND PAINT ALL BARE SURFACES. INSTALL SCOOP FOAM AND STUDS TO SCOOP SHOWED IN SUPPLIED INSTRUCTION IN THE SCOOP BOX. INSTALL SCOOP AS SHOWN USING SUPPLIED CLAMP PLATES ON THE FRONT EDGE.

IF IN GOOD CONDITION TRIM THE UNDER BONNET SOUND DEADENING TO CLEAR THE INTERCOOLER. USE SUPPLIED TRIM CLIPS TO MOUNT THE SOUND DEADENING BY DRILLING 7MM HOLE IN THE WEBBING CLOSE TO THE CUT OUT.



RE INSTALL BONNET, CHECK THE OPERATION OF THE FAN. CHECK ALL FASTENERS AND HOSE CLAMPS ARE TIGHT AND TEST DRIVE THE VEHICLE.

AFTER A WEEK OF DRIVING RETENSION THE HOSE CLAMPS. IF THE INTERCOOLER IS EVER REMOVED CLEAN THE PIPE ENDS AND INSIDE OF THE SILICONES WITH BRAKE CLEANER.



