



W A R N I N G

TOYOTA LANDCRUSIER 60 SERIES ULTIMATE 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

REMOVE UNDERBONNET INSULATION WITH A TRIM REMOVAL TOOL. THIS CAN BE TRIMMED AND REINSTALLED AFTER THE INTERCOOLER INSTALL.

REMOVE AIRBOX TO TURBO PIPE AND TURBO TO INTAKE MANIFOLD PIPE.

CLEAN PIPE MATING SURFACES SO THEY ARE CLEAN OF ANY OIL BEFORE INTERCOOLER INSTALLATION.



THE INTAKE HEATER ELEMENT WILL NEED TO BE REMOVED. DISCONNECT THE WIRES RUNNING TO THE HEATER. COVER POSITIVE WIRE WITH HEAT SHRINK OR TRACE WIRE BACK AND REMOVE. REMOVE HEATER, REMOVE ANY OLD GASKET. CLEAN MATING SURFACES AND REINSTALL THROTTLEBODY USING SILICONE SEALER.



IF THE CAR IS FITTED WITH A VACUUM ASSISTED CLUTCH. INSTALL THE RESIVOIR RELOCATION KIT AS FOLLOWS.

REMOVE FACTORY RESIVOIR FROM THE CLUTCH MASTER. INSTALL BANJO FITTING, BOLT AND COPPER WASHERS. INSTALL SUPPLIED RESIVOIR TO BRAKE BOOSTER AS SHOWN WITH SUPPLIED BRACKET. RUN HOSE FROM BANJO FITTING TO RESIVOIR. TIGHTEN HOSE CLAMPS AND BLEED SYSTEM.



MOVE THE AIR CLEANER SENSOR TO POSITION SHOWN USING SUPPLIED BRACKET, THE BRACKET ON THE AIRBOX WILL NEED TO BE TRIMMED TO CLEAR THE INTERCOOLER PIPEWORK.



RECONNET WITH SUPPLIED VACUUM HOSE.



INSTALL INTAKE ADAPTOR USING SILICONE SEALER AND SUPPLIED STUD IF APPLICABLE. RE
CONNECT BOOST LINE.

AUTOMATIC. INSTALL 2 1/4" SILICONE AT SAME TIME LIKE SHOWN LEAVING HOSE CLAMPS
LOOSE.



VACUUM ASSISTED MANUAL

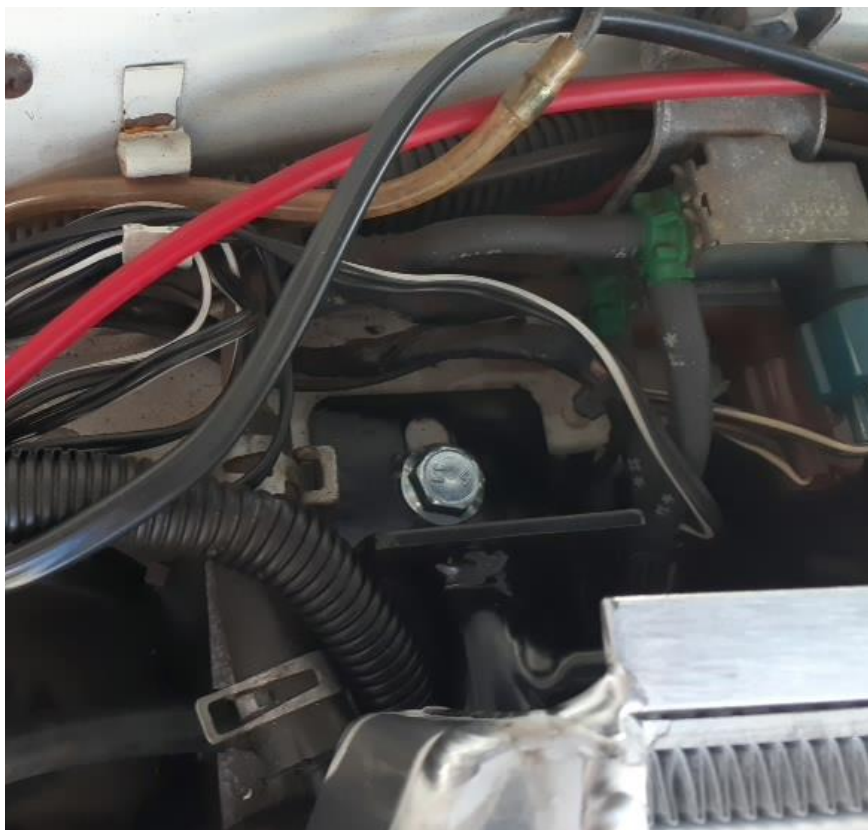


INSTALL TURBO SIDE PIPE WORK AS SHOWN (2"). LONG SIDE OF ALUMINIUM BEND TO TURBO AND LONG END OF 45 DEGREE SILICONE TO TURBO. INSTALL HOSE CLAMPS LOOSE.



INSTALL THE ROCKER COVER END OF THE 5/8 BREATHER HOSE.

INSTALL INTERCOOLER TEMPORARILY BY LOOSENING THE REAR CLAMPS ON THE FRAME AND SLIDING ONTO THE LIP ON THE FIREWALL.



WITH THE INTERCOOLER SITTING ON THE CAR MEASURE FROM THE GAURDS AND CENTRALISE THE INTERCOOLER. MEASURE TO THE FIREWALL SO THE INTERCOOLER IS NOT SKEWED.

MARK THE TWO FRONT HOLES ON THE RADIATOR SUPPORT PANEL.

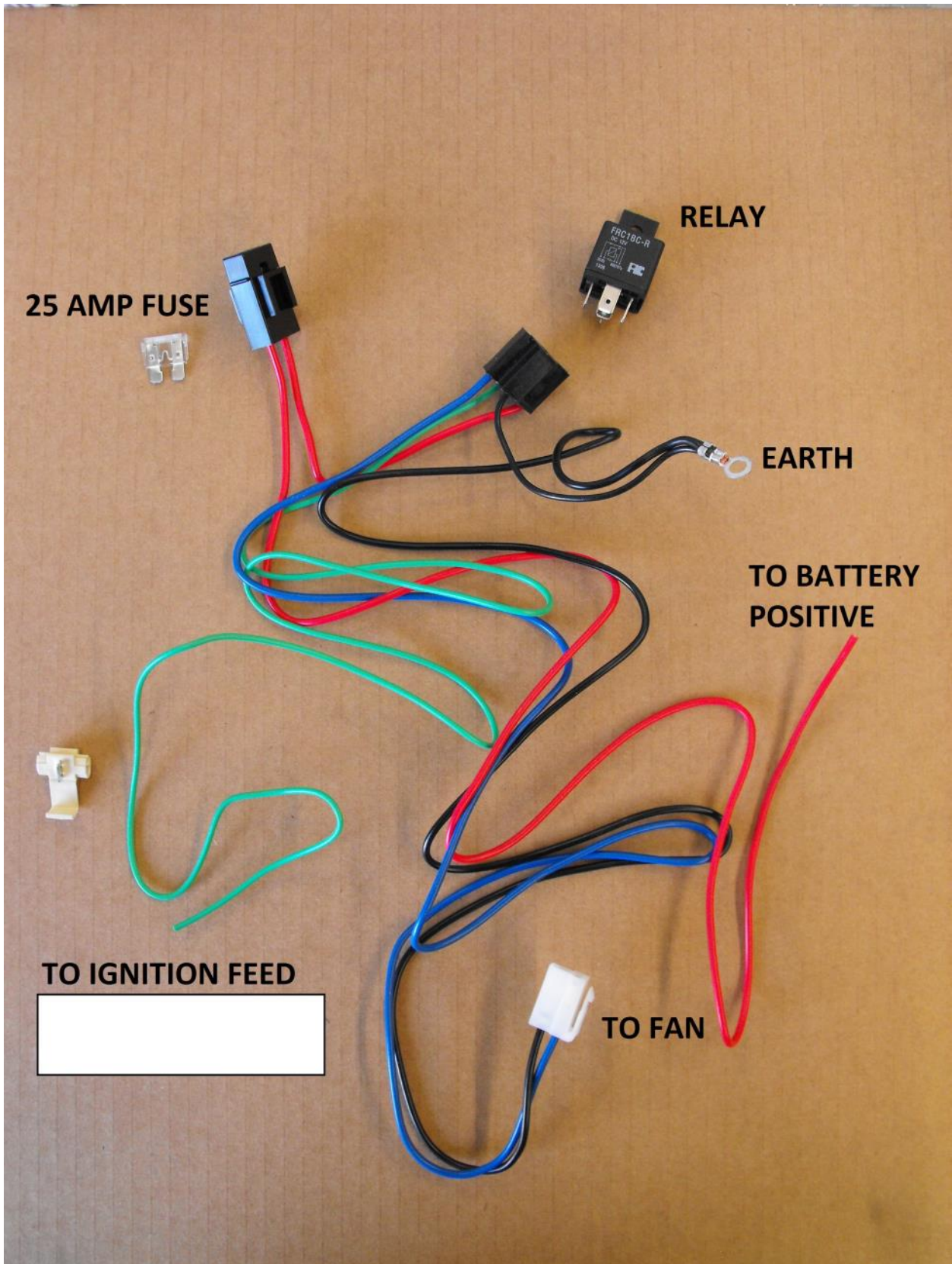
REMOVE INTERCOOLER AND DRILL MOUNTING HOLES. APPLY PAINT TO BARE METAL AND REINSTALL INTERCOOLER PUSHING ON THE SILICONE HOSE AS YOU GO. WITH INTERCOOLER ON, CONFIRM POSITION AND INSTALL FRONT MOUNTING BOLTS AND TIGHTEN REAR MOUNTING CLAMPS.

AN VACUUM ASSISTED CLUTCH CARS NOW INSTALL THE 2 1/4" 90 DEGREE SILICONE. TIGHTEN ALL HOSE CLAMPS.

INSTALL AIRBOX TO TURBO PIPE. THE AIRBOX TO PIPE SILICONE REDUCER MAY NEED TRIMMING. CONNECT VACUUM LINE ON UNDER SIDE OF AIRBOX PIPE. TIGHTEN ALL CLAMPS. CONNECT CRANK CASE VENTILATION HOSE.



WIRE IN FAN AS SHOWN. A GOOD IGNITION SOURCE IS THE WIPER MOTOR.



BONNET SCOOP FITTING INSTRUCTIONS

After fitting the intercooler, use the supplied foam squares to transfer the intercooler hole location to the bonnet. Depending on what intercooler you have place the foam squares sticky side up on the outside corners of the foam or if your intercooler has small angle place them on the outside corners of the core itself. Some packers may be needed.

Remove the bonnet from the vehicle. Double check the measurements of the foam squares against where the intercooler sits. THE HOLE FOR THE INTERCOOLER IS ONLY TO BE THE SIZE OF THE CORE ITSELF. Confirm which side of the foam squares need to be marked by measuring the intercooler core size and comparing the measurement to the foam squares on the bonnet. After confirming the position drill a 3mm pilot hole in each corner. DO NOT cut the hole out for the intercooler yet.

Cut out the appropriate under bonnet webbing as shown in pictures and deburr all edges.

Once finished turn the bonnet over (top of bonnet facing up) and place paper template on the bonnet.

Take measurements from the back edge of the scoop to the rear lip of the bonnet. This location varies on what vehicle you have. Please see below list for the approximate fitting position.

GQ patrol just in front of washer jets (excluding Extreme)

GU PATROL 5-10 mm

60 LANDCRUSIER 80 mm

75/79 LANDCRUISER 140 mm

80 LANDCRUSIER 45 mm

100/105 LANDCRUSIER just in front of washer jets

200 LANDCRUSIER 50mm

Confirm the scoop will not interfere with the intercooler hole cut out by using previously drilled pilot holes and compare to scoop template. When in correct position tape down the edges of the template making sure there are no creases. Drill 3mm pilot holes through the mounting points marked on the scoop template. Going through the bonnet skin and any webbing underneath.

Turn the bonnet over and if applicable drill the holes going through the under-bonnet webbing NOT THE BONNET SKIN to 20mm to allow clearance for the washers. Once the clearance holes are drilled, drill the holes going through the bonnet skin to 8mm. Deburr all holes.

Mark out the hole for the intercooler using the 4 pilot holes as reference points and cut out with a grinder with a 1mm disc, making multiple shallow cuts reduces the likelihood of the paint blistering. Once cut clean up any burrs.

Test fit scoop before painting to make sure all mounting holes are correct. Prime and paint all bare metal.

Attach foam tape supplied to the underside outside edge of the scoop and fit bonnet scoop to bonnet using supplied bolts and nuts. If applicable refit trimmed sound deadening.

Fit bonnet back to car.



INSTALL PINCHWELD TO INTERCOOLER CUT OUT. REINSTALL THE BONNET AND RE ATTACH WASHER HOSE. MAKE SURE ALL BOLTS AND HOSE CLAMPS ARE TIGHT. CHECK FAN OPERATION AND TEST DRIVE VEHICLE AND CHECK FOR ANY LEAKS.

RE TENSION HOSE CLAMPS AFTER 100KM OF DRIVING AND CHECK AT REGULAR SERVICE INTERVALS.

IF INTERCOOLER 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.