



## NISSAN PATROL ZD30

## CRD PREMIUM INTERCOOLER INSTALL

## 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.

REMOVE ENGINE COVER. LOOSEN HOSE CLAMPS GOING TO INTERCOOLER. DISCONNECT MAP SENSOR AND WIRING CLIP FROM FRAME.

REMOVE FRONT AND REAR MOUNTING BOLTS FOR THE INTERCOOLER AND REMOVE INTERCOOLER AND FRAME TOGETHER.

REMOVE MAP SENSOR FROM FACTORY INTERCOOLER AND INSTALL ON THE CROSS COUNTRY INTERCOOLER USING BOLTS SUPPLIED. RUN BOOST LINE FROM INTERCOOLER TO MAP SENSOR.



PLACE INTERCOOLER AND FRAME ON A FLAT SURFACE.

DO NOT REMOVE FACTORY INTERCOOLER YET.

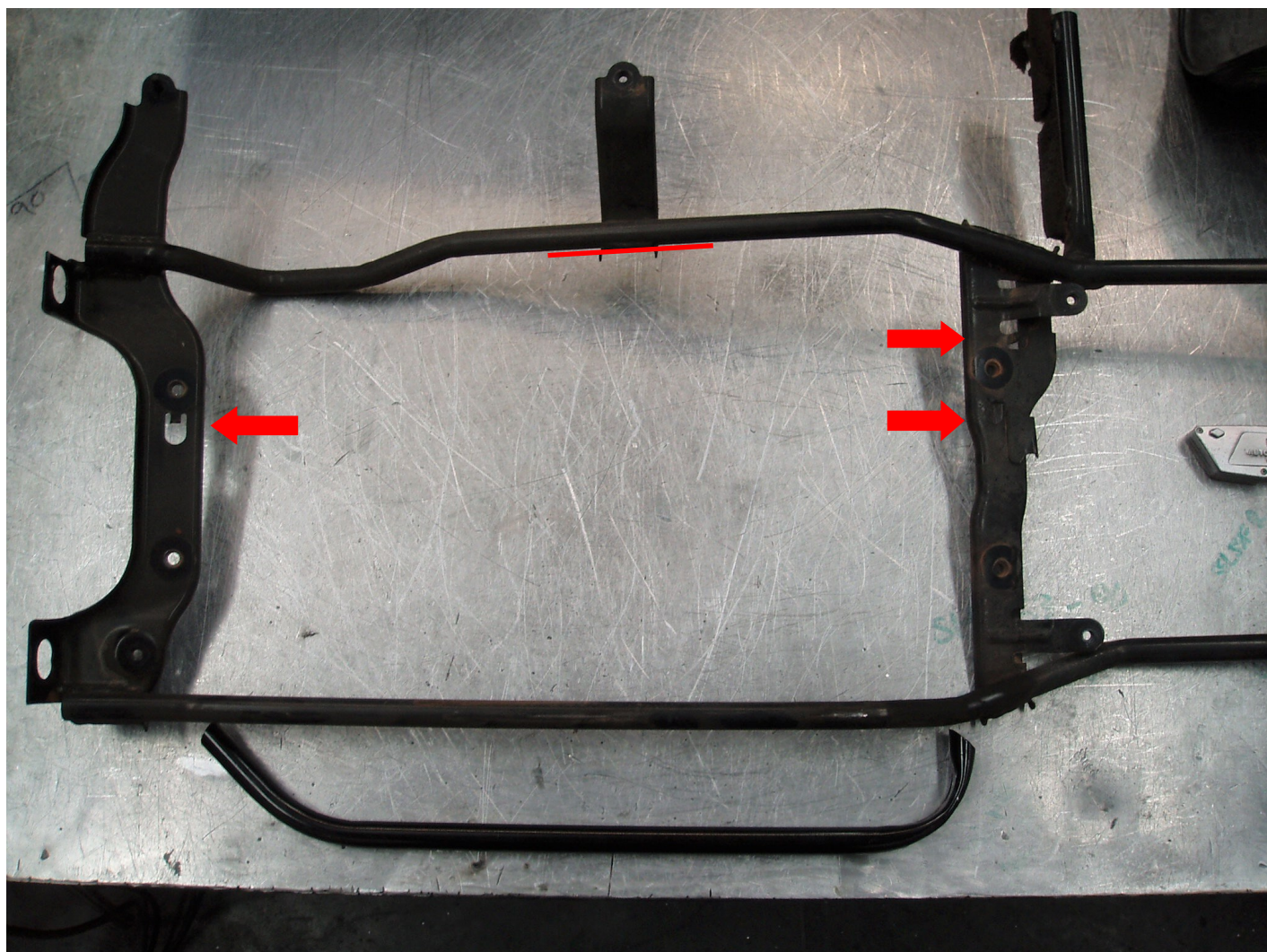
MARK THE FRAME USING THE NEW FRAME RAIL SUPPLIED. WITH THE 90 DEGREE BEND GOING TO THE FRONT OF THE FRAME AND THE 45 DEGREE BEND TO THE REAR.

WITH THE FACTORY INTERCOOLER STILL BOLTED TO THE FRAME CUT AND WELD THE NEW FRAME RAIL PIECE INTO THE FACTORY FRAME.

LEAVING THE FACTORY INTERCOOLER IN PLACE KEEPS THE FRAME RIGID WHEN WELDING.

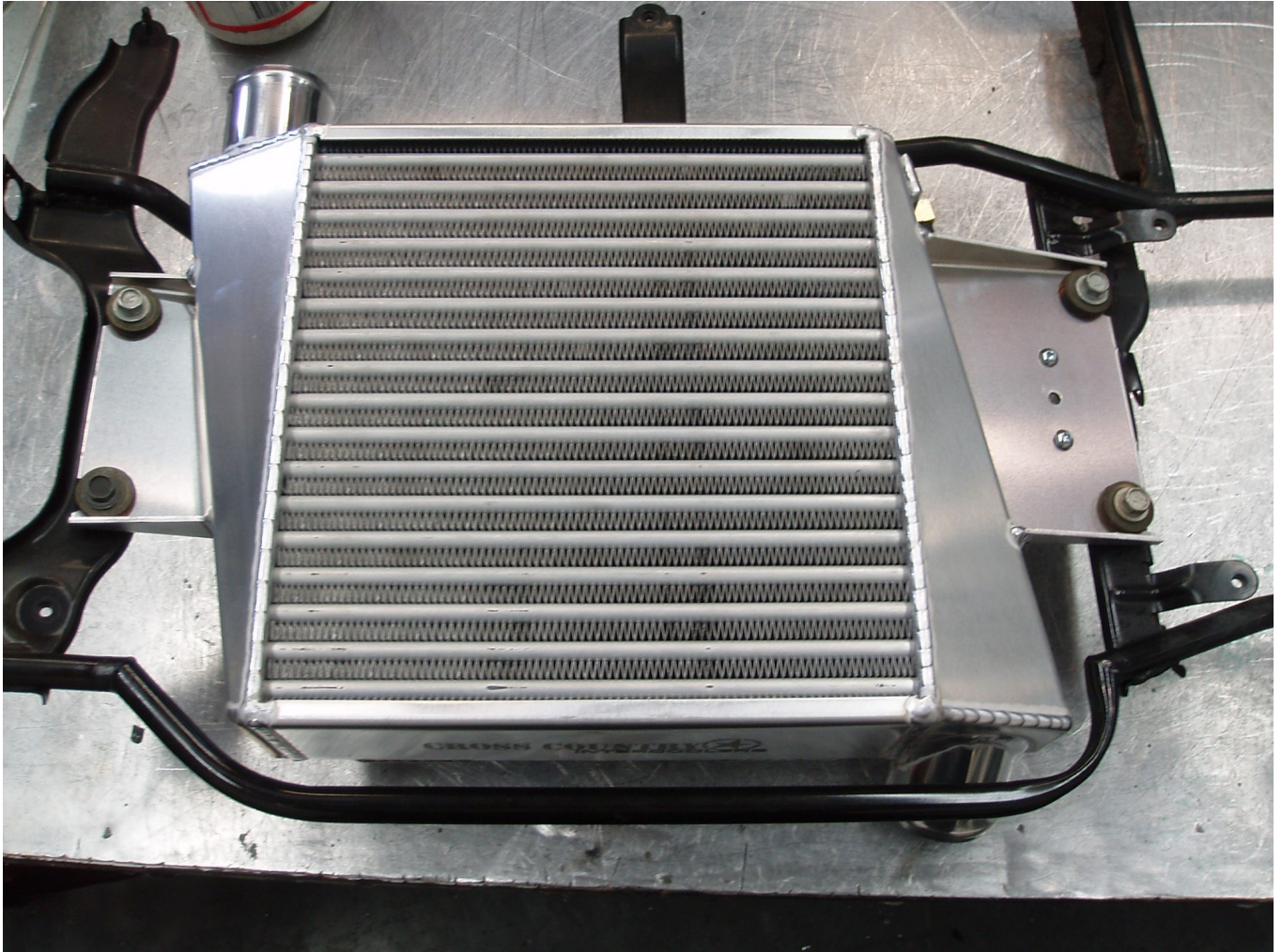
ONCE WELDING IS COMPLETE REMOVE FACTORY INTERCOOLER.

GRIND OR KNOCK DOWN TABS SHOWN AND GRIND THE OVERHANG OFF CENTRE BRACKET SHOWN.



WHILE THE PAINT IS DRYING. REMOVE FACTORY MOUNTING RUBBERS AND CRUSH TUBES FROM FACTORY INTERCOOLER AND INSTALL ON THE NEW INTERCOOLER.

WHEN THE PAINT IS DRY INSTALL THE NEW INTERCOOLER AS SHOWN USING THE FACTORY BOLTS.



BEFORE INSTALLING THE INTERCOOLER, CLEAN THE INSIDE ENDS OF THE PIPEWORK WITH A SOLVENT LIKE BRAKE CLEANER TO REMOVE OIL RESIDUE.

REINSTALL THE INTERCOOLER AND FRAME. TIGHTEN HOSE CLAMPS, MOUNTING BOLTS AND CONNECT MAP SENSOR.

NEXT INSTALL THE WIRING LOOM AS SHOWN BELOW.

A GOOD PLACE FOR IGNITION PICK UP IS THE WIPER MOTOR.



WITH THE INTERCOOLER INSTALLED. TEST DRIVE VEHICLE.

CHECK HOSE CLAMPS AT REGULAR SERVICE INTERVALS.

**25 AMP FUSE**



**RELAY**



**EARTH**

**TO BATTERY  
POSITIVE**

**TO IGNITION FEED  
(A GOOD SPOT IS AT  
THE WIPER MOTOR)**

**TO FAN**

