

PLAZMAMAN

INSTALLATION GUIDE



TRITON MR MY19-23
INTERCOOLER KIT

ITEMS INCLUDED

WITH INTERCOOLER KIT

- (a) 1 x Plazmaman Triton MR MY19-23 Intercooler
- (b) 1 x Driver Side Cast Elbow (53mm diameter)
- (c) 1 x Passenger Side Cast Elbow (60mm diameter)
- (d) 1 x Upper Support Bracket
- (e) 1 x Oil Cooler Bracket
- (f) 1 x Passenger Side Lower Bracket
- (g) 1 x Driver Side Lower Bracket

(h) HARDWARE

- 4 x M6X16MM Hex (Large Washer To Suit)
- 4 x M8X30 HEX (Large Washer To Suit)
- 1 x M8X16 HEX (Large Washer To Suit)
- 2 x 62MMX3MM O Ring



ITEMS INCLUDED

WITH PIPING KIT

AIR INTAKE ONLY

- (a) 1 x Air Intake Pipe
- (b) 1 x 48 Hose Clamp
- (c) 1 x 36 Hose Clamp

INTERCOOLER HOSES ONLY

- (d) 1 x Hot Side Hose
- (e) 1 x Cool Side Hose
- (f) 2 x 32 Hose Clamp (Hot Side)
- (g) 1 x 40 Hose Clamp (Cold Side)
- (h) 1 x 44 Hose Clamp (Cold Side)



TOOLS REQUIRED

WHEN INSTALLING

- ☐ Metric Socket Set + Extensions
- ☐ Pliers
- ☐ Metric Spanners
- ☐ Plastic Trim Removal tool
- ☐ Screwdrivers

INTERCOOLER KIT INSTALLATION



STEP 1

REMOVE UPPER RADIATOR PLASTIC DIVERTER PANEL

Carefully remove all 11 plastic push rivots with plastic trim remover tool.



STEP 2

REMOVE AIR INTAKE PIPE

Carefully remove the 2 hose clamps and the hose located at the front left side attached to airbox and turbo, if needed remove airbox lid to gain clearance.



STEP 3

REMOVE HOT SIDE SILICON INTERCOOLER HOSE

Carefully remove the hot side intercooler hose found underneath the air intake hose, you will find 2x hose clamps on either end.

STEP 4

LOOSEN POWERSTEERING RESERVOIR

Remove the 2x bolts holding the powersteering reservoir in place, do not remove any hoses attached. This will give you enough room to access the hose clamp for the cold side intercooler hose and aid in gaining more space for the removal.



STEP 5

REMOVE THE COLD SIDE INTERCOOLER HOSE

Carefully remove the 2 hose clamps and the hose located on the passenger side of the engine bay.



STEP 6

REMOVE CENTRE BUMPER SUPPORT BRACKET

Locate all bolts and wiring attaching the centre support bracket to the vehicle, you will find 2 bolts seen in the image beside.



STEP 6B

Another bolt found on the back side of the bumper/grill area.



STEP 7

REMOVE HOT SIDE INTERCOOLER HARD PIPE

Carefully remove the 2 bolts and manoeuvre the pipe out.



STEP 8

REMOVE THE COLD SIDE INTERCOOLER HARDPIPE

Carefully remove the 2 bolts and manoeuvre the pipe out.



STEP 9

UNBOLT AND MOVE OUT OF THE WAY

remove the nut holding this module and place it out of the way in preparation for the intercooler removal



STEP 10

REMOVE THE HOOD LATCH

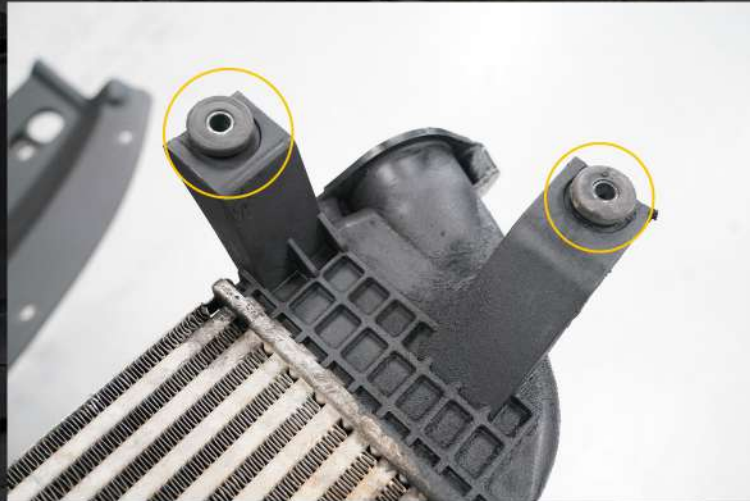
remove all bolts and detach the hoodlatch cable.



STEP 11

REMOVE OEM INTERCOOLER

Carefully remove the oem intercooler, this will take some manouvering and patience.



STEP 12

REMOVE 2X RUBBER GROMETS

You will now need to choose the best 2x rubber gromets from the oem intercooler to use in the new intercooler.

INTERCOOLER DISPLAYED

See the image beside to view the location of all brackets and hardpipes once mounted to the vehicle. This is only to illustrate the location.

The hotside hardpipe has a inlet of xx.mm
The coldside hardpipe has a outlet of xx.mm



STEP 13

INSTALL OEM RUBBER BUSHINGS TO NEW LOWER INTERCOOLER BRACKETS

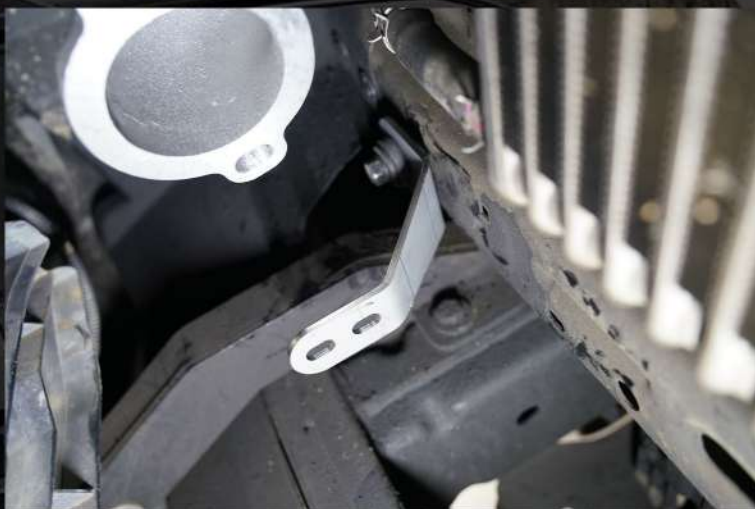
Install the bushings as pictured.



STEP 14

INSTALL THE LOWER BRACKETS

Install the lower brackets using the oem bolts and locations, these can be tightened up. Due to the design of the bushing and brackets, this will still allow enough movement to align with the intercooler afterwards.



STEP 15

INSTALL BOTH HARDPIPES



STEP 16

INSTALL ORING SEALS

Install the provided O rings into the intercooler as pictured.



STEP 17

CAREFULLY INSTALL NEW PLAZMAMAN INTERCOOLER

Carefully install the plazmaman intercooler down into place. Be very carefull not to damage anything along the way down.



STEP 18

BOLT THE LOWER BRACKETS IN PLACE

Screw the 4x 1m6 bolt provided for the lower brackets on both sides of the intercooler



STEP 19

ATTACH THE HARDPIPES

Bolt the hardpipes in place using the provided m8 4x m8 bolts and washers. The hardpipes are slotted to allow for alignment with the holes in the chassis. Take time to properly align this, failure to do so may lead to damage caused to the vehicle and or hardpipes.



STEP 20

INSTALL CENTER BRACKETS

Install the center brackets, the automatic transmission cooler brackets is placed behind the intercooler/bumpersupport bracket. Utilize the new supplied m8 bolt for the intercooler.



STEP 21

INSTALL SENSOR

Push the sensor clip back into place in the new brackets location.



STEP 22

REINSTALL MODULE

Re-install this module and carefully bend it out of the way of the new intercooler, make sure to gain enough clearance so no rubbing is possible.



STEP 23

INSTALL NEW PLAZMAMAN HOT SIDE SILICON HOSE

Install your new Plazmaman heavy duty hot side silicon hose in place with the 2x provided hose clamps.



STEP 24

INSTALL NEW PLAZMAMAN HIGH FLOW AIR INTAKE HOSE

Install your new high flow Plazmaman air intake hose using the 2x hose clamps provided.



STEP 25

INSTALL NEW PLAZMAMAN COLD SIDE SILICON HOSE

Install your new heavy duty cold side silicon hose into place with the 2x hose clamps provided..