

Fitting Instructions

Revo Intercooler Kit 2.3 Mustang EcoBoost

Fitting Difficulty



Dealer Fit Recommended

Contents

Description	Quantity
Revo Intercooler	1
Revo Intercooler Bracket A	1
Revo Intercooler Bracket B	1
Revo Intercooler Lower Bushes	4
M6x10 Cap Bolt	4
M6 Washer	4
M6 Large Washer	4
M6x30 Bolt	4
M5x20 Cap Head Bolt	1
Cable Tie	1

Recommended Tools

Tools	Size
Ratchet	
Sockets	5.5, 7, 8, 13, 21mm
Torx Bits	T25
Hex Key	5mm
Spanner	13mm
Flat Head Screwdriver	



Before starting, please ensure that the engine is cool and the battery is disconnected. Engine temperatures can remain high for a substantial amount of time after use.



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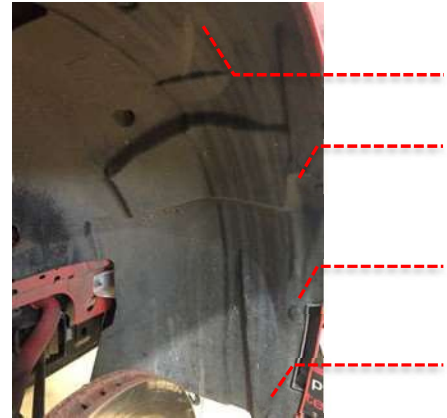
- 1 Raise the vehicle to gain access to the underside and remove the undertray.



- 2 Whilst underneath the vehicle, disconnect the 3 x wires from behind the fog light and unclip from the bumper.



- 3 Remove the 2 x front wheels to access the wheel arch lining. Remove the 4 x plastic clips holding the wheel arch liner in place and then peel back to expose the inside of the bumper.



- 4 Remove the 7mm bolt, as shown, and then pull the bumper away at the side.



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- 5 Next, remove the plastic top cover by removing the 8 x plastic clips.



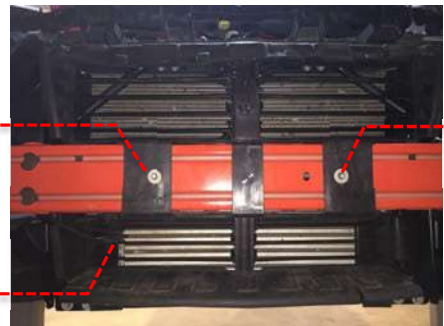
- 6 Remove the 6 x 8mm bolts holding the top of the bumper in place. Then, unclip the top of the bumper and remove.

Note: with one person either side of the bumper, remove the front bumper and store safely so as not to damage any paintwork.



- 7 Remove the plastic vent assembly by first unclipping the temperature sensor from the crash bar. Next, remove the 8mm bolts at the front, in the center and at the lower points.

Next, unclip the 2 x plastic clips at the top, then disconnect the wire from the back of the vent in the center. Next, remove the 5.5mm bolt at the bottom of the vent and unclip and remove the whole assembly.



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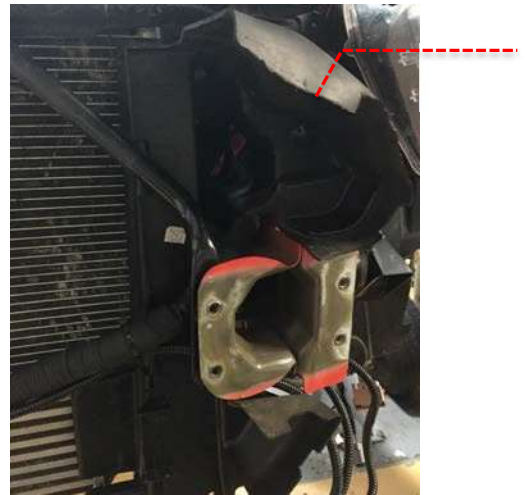


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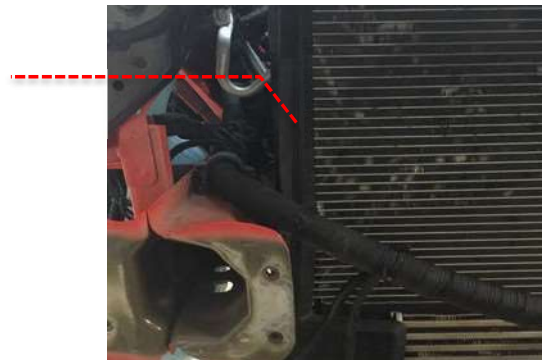
- 8 Unclip the loom from the back of the crash bar and then remove the crash bar by loosening and removing the 8 x 13mm bolts (4 x each side). Mark the position of the crash bar for reinstallation later.



- 9 Unclip the plastic shrouds each side and remove, keep safe as these will be reinstalled later.



- 10 Remove the plastic covers behind the shrouds, there is a plastic clip at the top of each one that you will need to remove.



- 11 Remove the 4 x 8mm bolts on the cross member and remove the bar.



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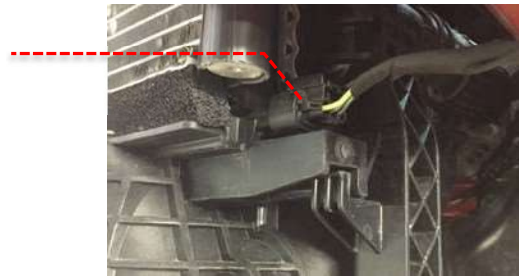
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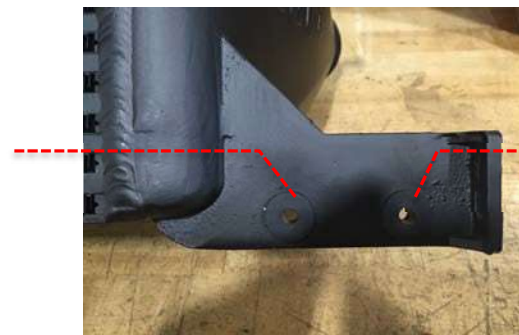
- 12 Disconnect the hoses from the intercooler and unplug the sensor at the side of the intercooler. Then remove the bolt on the left-hand side. You can now remove the intercooler by unclipping the plastic clip on the right-hand side and then tilting it forwards and out.



- 13 Remove the sensor from the OE intercooler using a T25 torx bit and then install on the new Revo intercooler using the M5 bolt (supplied).



- 14 Install the supplied rubber bushes onto the Revo intercooler, as shown (2 x bushes each side), you may need a flat head screwdriver to help guide them through.



- 15 Install the new Revo intercooler by first bolting the bottom 4 x points using the M6x30 bolts and large washers where the cross member used to be. You will be using the threaded clips that are already in position, these can sometimes take a little time to line up due to them being able to move around. We suggest that the core is supported while doing this and to loosely install the 4 x bolts before tightening.



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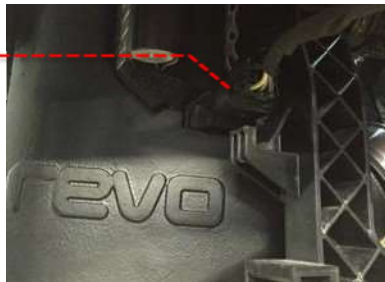
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Reinstall the 2 x plastic shrouds, removed earlier, and the 2 x metal braces loosely either side and then clip the sensor wire back on the Revo intercooler.



17

Loosely install the 2 x top brackets using the M6x10 bolts and washers (supplied).



18

Reinstall the crash bar but now on the inside where the 4 x bolts come through (2 x each side) secure the new top brackets using the 2 x nuts removed earlier, as shown in the second picture. Do not tighten fully until you have everything aligned correctly. Once aligned tighten everything so it is secure.



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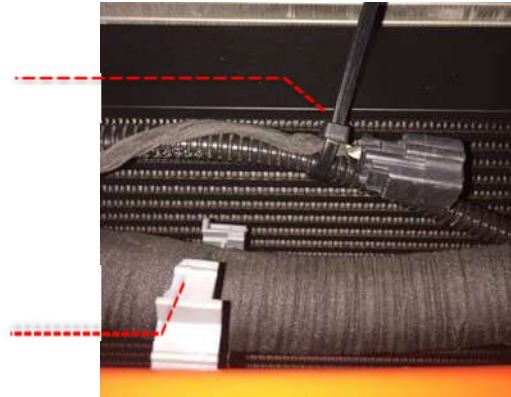
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Use the cable tie (supplied) to secure the old sensor wire from the back of the plastic vent to the wiring loom and trim the excess, then clip the loom back into the plastic clips on the crash bar.



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Attach the intercooler hoses to both sides and tighten the hose clamps. Refit the front bumper in reverse of removal, follow any factory torque specification during reinstallation of OE parts. Note: the plastic vent assembly does not get attached again, the Revo stage 2 software clears the fault code from the vehicle when installed. Test drive the vehicle to ensure vehicle performs correctly and there are no leaks/part interference during operation. Your installation is now complete!

