

Fitting Instructions

Revo Intercooler Kit 1.5 Fiesta ST MK8/Puma ST EcoBoost

Fitting Difficulty



Dealer Fit Recommended

Contents

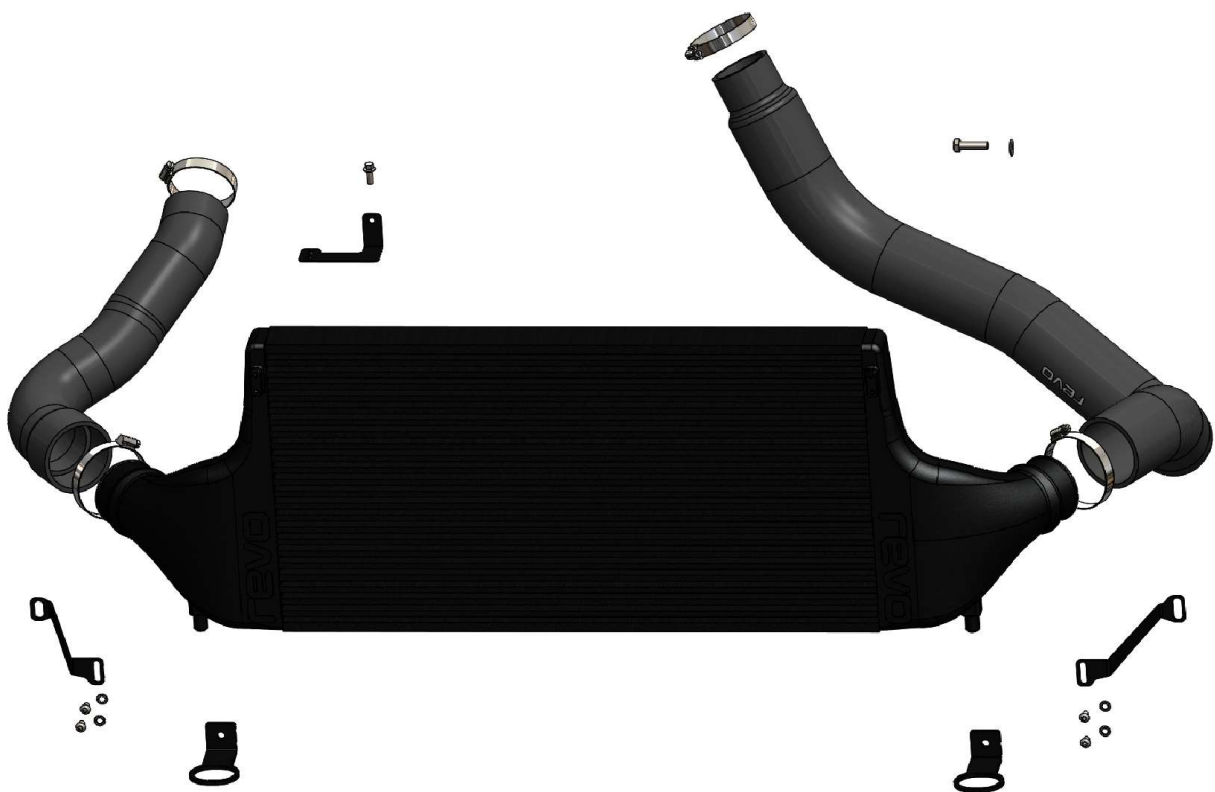
Description	Quantity
Revo Intercooler	1
Revo Throttle Hose	1
Revo Discharge Hose	1
Lower Intercooler Bracket	2
Upper Inlet Bracket	1
Upper Outlet Bracket	1
Temp Sensor Bracket	1
Puma Intercooler Upper Bracket LH	1
Puma Intercooler Upper Bracket RH	1
M5x12 Button Head Bolt S/S	4
M6 Self Tapping Flange Head Bolt	1
M8x16 Hex Head Bolt	1
M8 Flat Washer	1
M5 Spring Washer	4
60-80 Hose Clamp	2
50-70 Hose Clamp	2

Recommended Tools

Tools	Size
Ratchet	
Sockets	8, 10, 13, 19mm
Hex Key	4mm
Torx Bits	T30
Trim Tool	
Cross Head Screwdriver	Small, Medium
Flat Head Screwdriver	Small



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.



Fitting Instructions

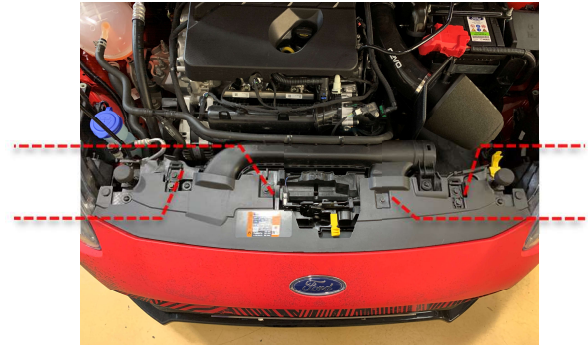
Revo Intercooler Kit 1.5 Fiesta ST MK8/Puma ST EcoBoost

Fitting Difficulty

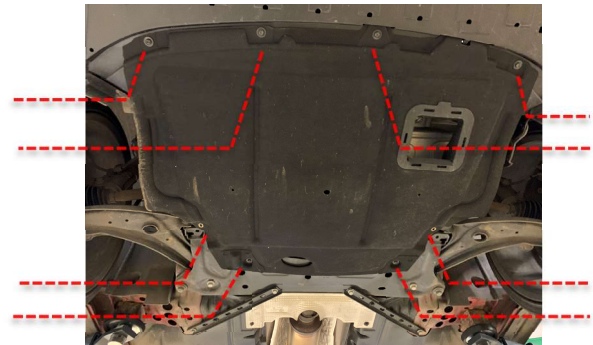


Dealer Fit Recommended

- 1 Open the bonnet then raise the car to gain access to the underside. Remove the 2 x T30 bolts, 6 x 10mm bolts and 2 x plastic retaining clips at the front.



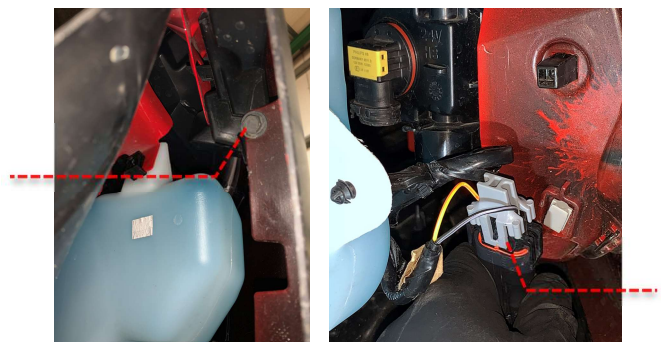
- 2 Remove the undertray.



- 3 Remove the front wheels then in the wheel arch remove the 3 x 10mm bolts and 3 or 4 x crosshead screws, the screws should turn 90 degrees and pop out. Peel the arch back behind the brake caliper to allow access.



- 4 Disconnect the fog lights from both sides. On the driver side also unclip the connector shown from the bumper. Then remove the 10mm bolt from each side.



Fitting Instructions

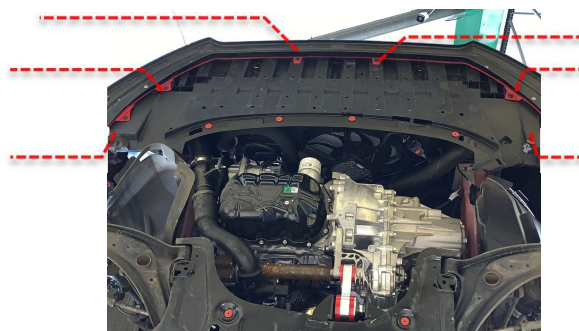
Revo Intercooler Kit 1.5 Fiesta ST MK8/Puma ST EcoBoost

Fitting Difficulty



Dealer Fit Recommended

- Remove the 6 x crosshead screws from the underside of the bumper.



- Unclip the bumper from each arch and then pull away from the vehicle.

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



- Remove the 5 x 10mm bolts holding the undertray in place.



- Remove the top plastic shroud by loosening the 4 x cross head clips then unclip the air temp sensor from the shroud before removing from the vehicle. Then simply unclip the lower shroud from the crash bar and remove.



Fitting Instructions

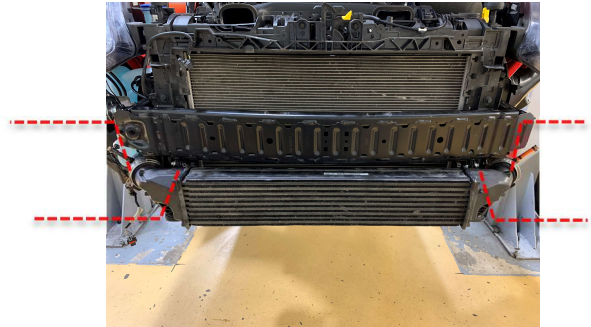
Revo Intercooler Kit 1.5 Fiesta ST MK8/Puma ST EcoBoost

Fitting Difficulty

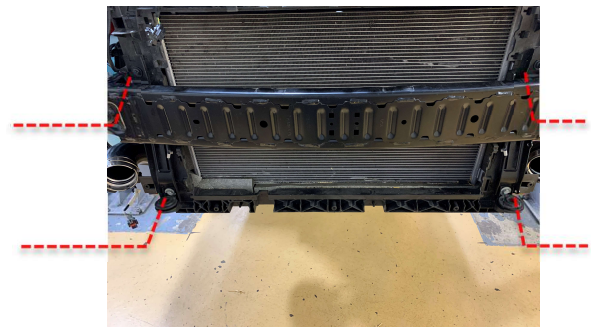


Dealer Fit Recommended

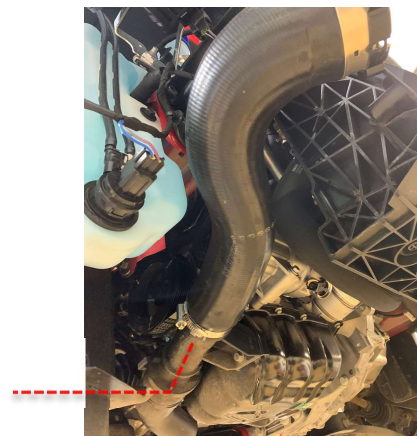
- 9 Remove the OE intercooler by unclipping the two boost hoses using a small flat head screwdriver. Then remove the 2 x 8mm bolts. Lift the intercooler up and off the rubber grommets and place to one side.



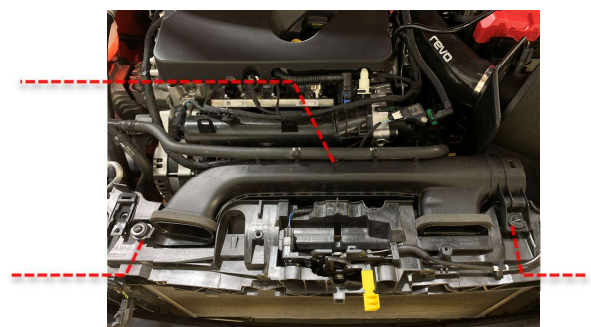
- 10 Remove the 2 x 13mm bolts holding the lower intercooler brackets in place and keep the bolts and grommets to one side. Then remove the 2 x 10mm bolts above the crash bar and keep with the others you just removed.



- 11 Remove the charge hose from the vehicle by loosening the hose clamp and pulling away from the pipe.



- 12 Remove the front intake by removing the 2 x T30 bolts holding it down and unclipping the rubber hose on top. Note: the air filter set up you are running may change this step slightly.



Fitting Instructions

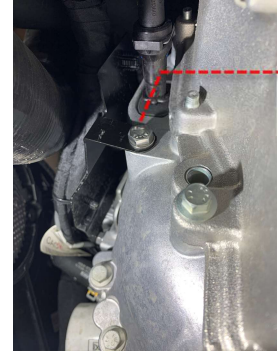
Revo Intercooler Kit 1.5 Fiesta ST MK8/Puma ST EcoBoost

Fitting Difficulty



Dealer Fit Recommended

- 13 Remove the throttle hose by first loosening the hose clamp at the throttle body. Then remove the bracket held in place with a 10mm bolt. Pull the hose out and then replace the bracket using the supplied M8x16mm bolt, as shown.



- 14 Install the new Revo lower intercooler brackets using the 2 x 13mm bolts, removed earlier. Install the rubber grommets from the OE brackets in the same way as they were removed.



- 15 Install the two Revo top intercooler brackets to the Revo intercooler using the M5 button head bolts and M5 spring washers. Ensure that you install the correct bracket to the correct side, as shown.

Note: if installing onto a Ford Puma ST do not install the top brackets to the Revo intercooler first. Follow instruction #16 with regards to installing the Revo intercooler then skip to instruction #21 before reverting back to instruction #17.



- 16 Install the Revo intercooler onto the vehicle by first locating the two pins at the base into the rubber grommets on the bottom brackets. Then using the 2 x 10mm bolts, removed from above the crash bar earlier, bolt the top brackets into place.



Fitting Instructions

Revo Intercooler Kit 1.5 Fiesta ST MK8/Puma ST EcoBoost

Fitting Difficulty

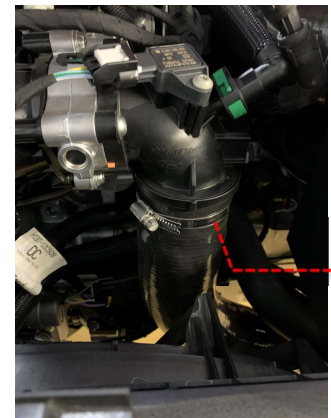
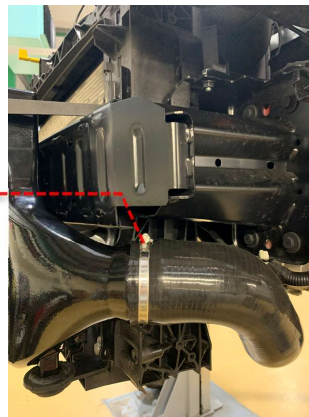


Dealer Fit Recommended

- 17 Install the new Revo discharge hose to the OE discharge pipe using a 50-70 hose clamp and then onto the Revo intercooler using a 60-80 hose clamp, as shown.

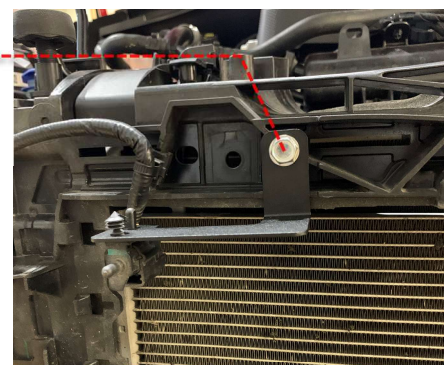


- 18 Install the new Revo throttle hose by sliding the hose clamps over each end, 50-70 on the throttle body end and 60-80 on the intercooler end. Then push the hose up onto the throttle body and then onto the Revo intercooler, secure each clamp once in position.



- 19 Bolt the new temp sensor bracket to the plastic surround using the supplied M6x16 self-tapping bolt. Then attach the temp sensor to the bracket pushing it through the holes.

Note: if fitting to a Puma ST skip this step.



- 20 Re-fit the bumper, undertrays, wheel arch linings, wheels and front air intake in the reverse of removal, follow any factory torque specification during reinstallation of OE parts. Note: the two plastic shrouds you removed from the crash bar and above do not get refitted. Test drive the vehicle to ensure vehicle performs correctly and there are no leaks/part interference during operation. Your installation is now complete!



Fitting Instructions

Revo Intercooler Kit 1.5 Fiesta ST MK8/Puma ST EcoBoost

Fitting Difficulty



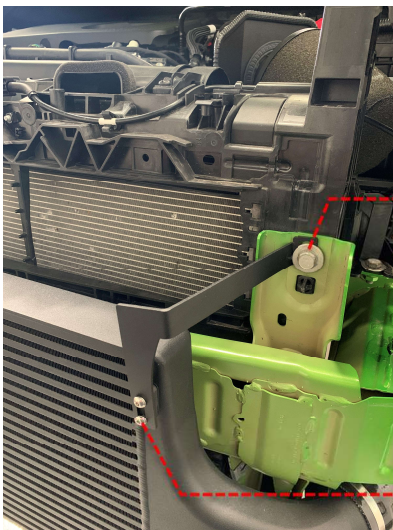
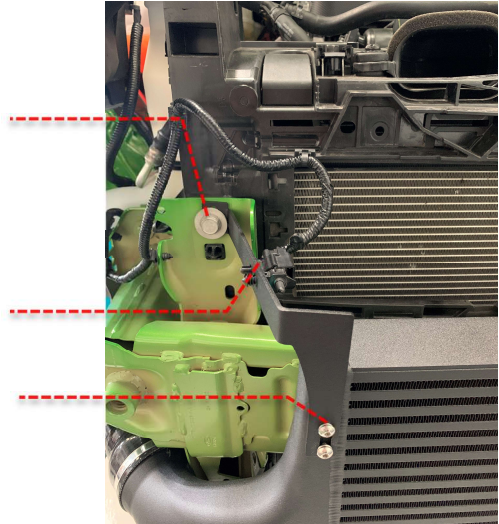
Dealer Fit Recommended

21 PUMA ST ONLY!

Once the Revo intercooler has been fitted into the lower mounting points use the specific LH and RH brackets, as shown in the pictures, to mount the Revo intercooler to the crash bar. You will need to remove the M10 bolt from the upper crash bar first then loosely bolt the bracket into the same position. Using the supplied M5 button head bolts and washers bolt the bracket to the Revo intercooler. Complete both sides and tighten accordingly.

When brackets are secure unclip the air temp sensor from the plastic cowling and then clip into place on the LH bracket in the two mounting holes.

Refer to instruction #17 to continue fitment of the throttle and charge pipes.



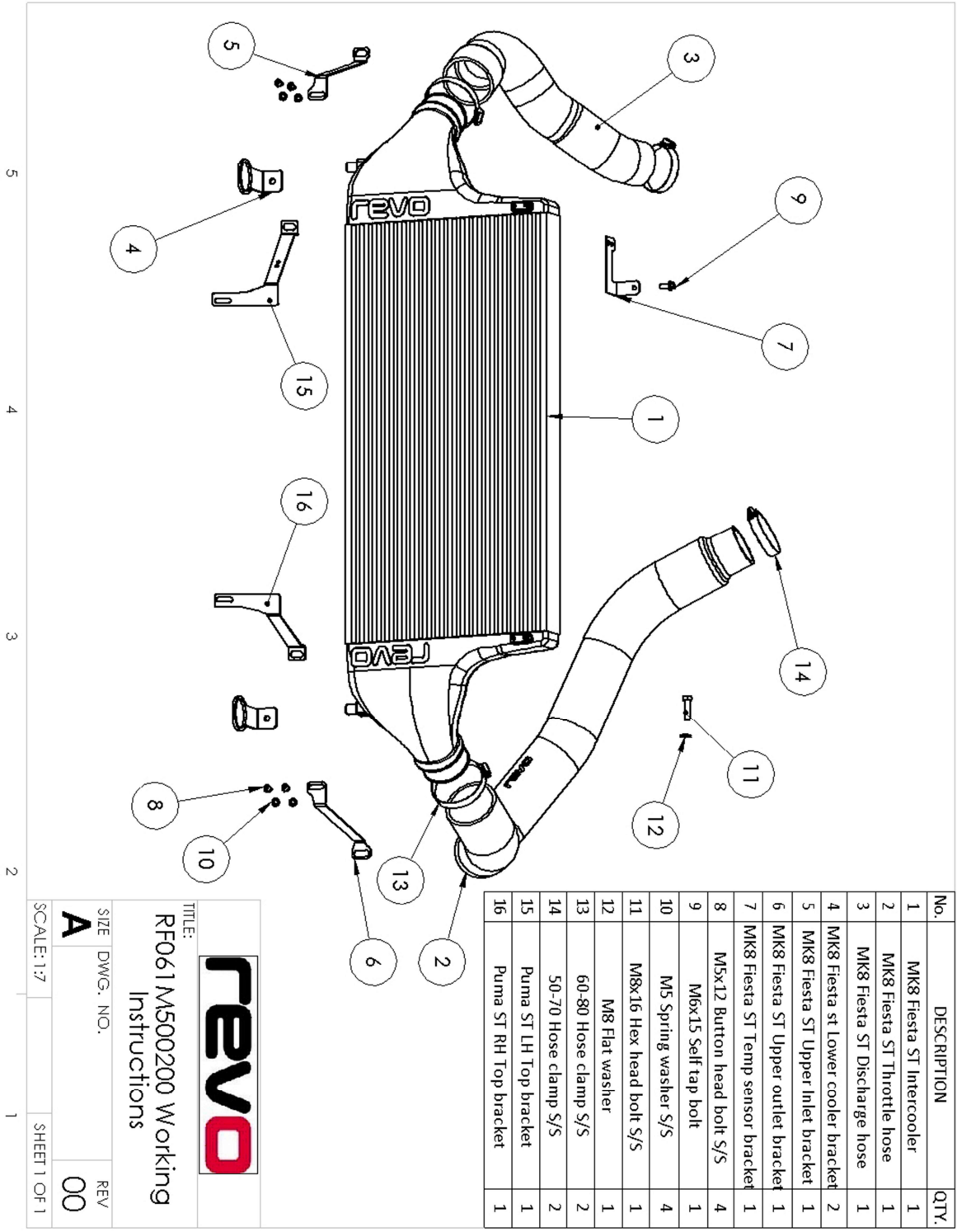
Fitting Instructions

Revo Intercooler Kit 1.5 Fiesta ST MK8/Puma ST EcoBoost

Fitting Difficulty



Dealer Fit Recommended



No.	DESCRIPTION	QTY.
1	MK8 Fiesta ST Intercooler	1
2	MK8 Fiesta ST Throttle hose	1
3	MK8 Fiesta ST Discharge hose	1
4	MK8 Fiesta st Lower cooler bracket	2
5	MK8 Fiesta ST Upper Inlet bracket	1
6	MK8 Fiesta ST Upper outlet bracket	1
7	MK8 Fiesta ST Temp sensor bracket	1
8	M5x12 Burton head bolt S/S	4
9	M6x15 Self tap bolt	1
10	M5 Spring washer S/S	4
11	M8x16 Hex head bolt S/S	1
12	M8 Flat washer	1
13	60-80 Hose clamp S/S	2
14	50-70 Hose clamp S/S	2
15	Puma ST LH Top bracket	1
16	Puma ST RH Top bracket	1

TITLE: **revo**

RF061M500200 Working Instructions

SIZE DWG. NO. **A** REV 00

SCALE: 1:7 SHEET 1 OF 1