



**PRODUCT CODE: ATP-FOC-001**  
**INSTALLATION INSTRUCTIONS:**  
**600HP INTERCOOLER UPGRADE FOR 2013 to 2014 FOCUS ST 2.0L**

**REV: PRELIM**

**PARTS CHECKLIST:**

1. Garrett/ATP Intercooler Core Assembly with cast end tanks (1 Unit)
2. Special stainless steel laser cut and Z-Bent brackets (2 Units)
3. M8 x 1.25 Stainless bolts (4 Units)
4. M8 x 1.25 Lock nuts (4 Units)
5. M8 washers (4 Units)
6. Cast aluminum 90 degree elbow, 2.5" outer diameter (1 Unit)
7. Cast aluminum 90 degree elbow, 2.5" outer diameter with welded sensor flange (1 Unit)
8. M6 x 1.00 bolt for sensor flange (1 Unit)
9. Turbo silicone coupler 2.5" inner diameter, color of choice (2 Units)
10. Hose clamps, 3" maximum inner diameter (4 units)
11. Cushion kit (1 unit)

**TOOLS:**

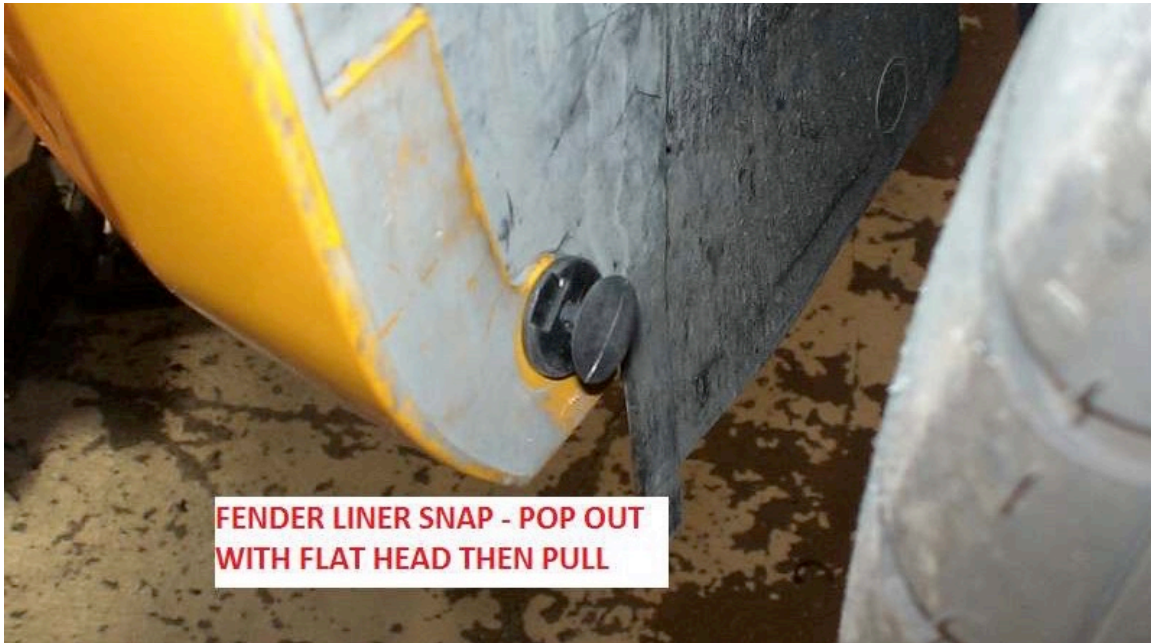
1. Flathead screw driver
2. Torx driver set
3. M12 socket
4. M12 wrench
5. M6 allen driver

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**STEP 1:**

Remove front bumper cover (Supplement these steps with factory service/body manual)

NOTE: Refer to the below pictures to remove front bumper cover:



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**STEP 2:**

Remove the factory electric shutter assembly and disconnect the attached power wires. Secure ("tie the wires out of the way") the wires to avoid damage.

NOTE 1: You will not need to re-install the shutter assembly. Removal of the shutter assembly will ensure improved airflow to the front mounted intercooler and provides additional reduction in air temperature.

NOTE 2: It's possible to "disable" the shutter control within the tune. However we have not seen any indication of a CEL or fault code in the instrument cluster from unplugging the unit.

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**STEP 3:**

Apply cushion material to the intercooler side, which faces the REAR of the vehicle. The "REAR" side is closest to the A/C condenser (similar appearance to a radiator) on the vehicle. The cushion material prevents the intercooler welds from contacting the condenser, which may cause damage to the condenser during heavy vibration or abrupt movement from the vehicle.

Cushion material kit below (Cut strips to 16 inches in length)





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Place the intercooler on a clean table



Clean the intercooler surfaces as detailed in the below picture, including the top and bottom sections



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Apply cushion strips as detailed in the below pictures



**Apply the adhesive side of each of cushion strips along each side of the intercooler DIRECTLY ON TOP OF THE WELD BEADS and wrap around each corner to the top and bottom surfaces of each end tank. Please go back and pressure firmly down on the cushion strip to ensure adhesion**



**At each corner, ensure that the cushion tape wraps around to the top and bottom surfaces around the corners.**

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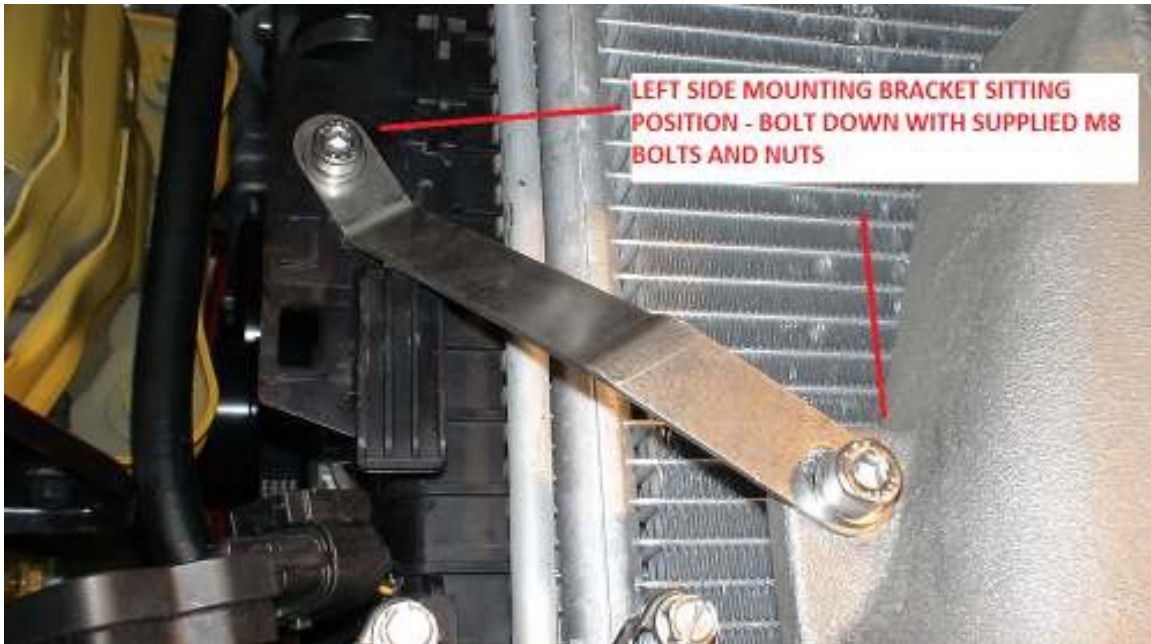
**STEP 4:**

Install the new ATP 600HP intercooler core assembly based on the below pictures:





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