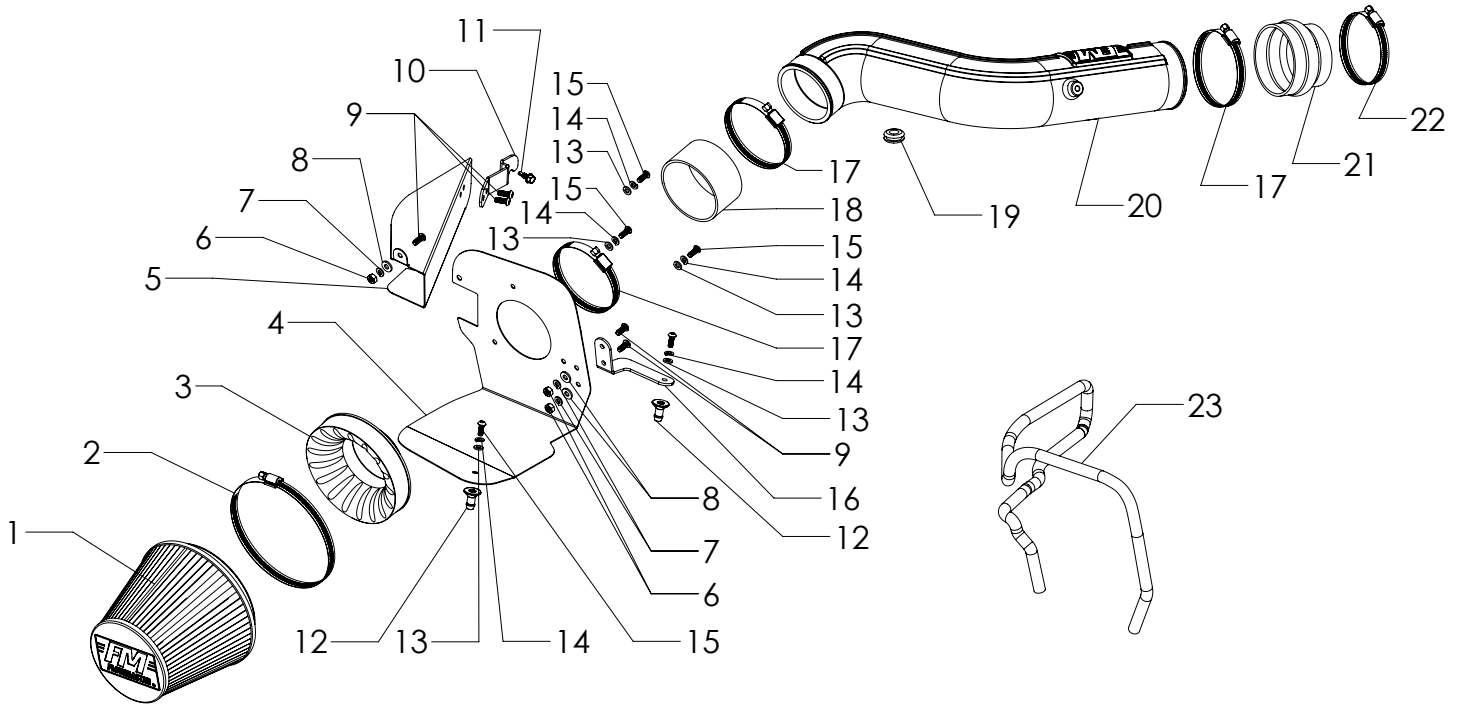




Installation Instructions for: SYSTEM # 615175

2016-2017 FOCUS RS
2.3L Turbo Engine

NOT LEGAL FOR SALE OR USE ON ANY POLLUTION-CONTROLLED MOTOR VEHICLE IN CALIFORNIA OR IN STATES THAT HAVE ADOPTED CALIFORNIA EMISSION PROCEDURES.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AF1003	AIR FILTER, 6-5/8" x 6" DIA	1
2		SCREW CLAMP, #104 (4-1/8" - 7")	1
3	AF6001	ADAPTER, AIR FILTER 3-1/2" x 6"	1
4	AF3053	HEAT SHIELD, 16-17, FOCUS RS, 2.3L TURBO	1
5	AF5067	INLET AIR DUCT, 16-17, FOCUS RS, 2.3L TURBO	1
6	HW115	NUT, 1/4"-20	5
7	HW322	LOCK WASHER, 1/4"	5
8	HW320	FLAT WASHER, 1/4"	5
9	HW245	SCREW, 1/4"-20 x 5/8"	5
10	AF5065	BRACKET 1, 16-17, FOCUS RS, 2.3L TURBO	1
11	HW262	SCREW, SELF-DRILLING, 1/4" x 3/4"	1
12	AF7001	BARBED PIN, M6 x 1.0	2

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	HW319	FLAT WASHER, M6	5
14	HW318	LOCK WASHER, M6	5
15	HW244	SCREW, M6 x 1.0 x 16MM	5
16	AF5066	BRACKET 2, 16-17, FOCUS RS, 2.3L TURBO	1
17	MC350H	SCREW CLAMP, #56 (3-1/16" - 4")	3
18	AF4007	COUPLER, STRAIGHT 3-1/2" I.D. x 2" L	1
19	AF4008	GROMMET, 1-1/16" OD x 1/2" ID x 3/16" THK	1
20	AF2053	INTAKE TUBE, 16-17, FOCUS RS, 2.3L TURBO	1
21	AF4057	COUPLER, FLEX 3-1/2" I.D. - 3" I.D. x 2-1/2" L	1
22	MC314H	SCREW CLAMP, #52 (2-13/16" - 3-3/4")	1
23	49000061	GASKET, HEAT SHIELD	54"

REVIEW THE INSTRUCTIONS AND VERIFY THE KIT CONTENTS:

1. Please take a moment to read and understand these instructions before installing your Flowmaster performance air intake kit.



2. Use the parts drawing and list (front page) to verify your kit's contents.

In the unlikely event that any parts are missing, please contact Flowmaster Technical Support for replacements.

To simplify assembly and avoid cross-threading fasteners, identify and separate the 1/4-20 screws (item 9) (used with nuts (6)), and the M6 screws (15) (used with filter adapter (3) and barbed pins (12)).

REMOVE THE FACTORY AIR INTAKE SYSTEM:

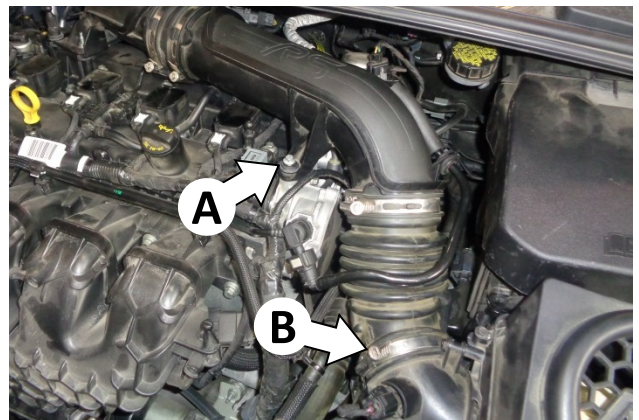
NOTES

- We highly recommend that you retain all factory air intake system parts.
- Please refer to vehicle manufacturer's recommendations regarding removal of factory components.
- Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicle's anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicle's anti-theft code.

3. Turn off the vehicle's ignition and disconnect the negative battery cable.



4. Remove engine appearance cover.



5. Remove the intake duct mount bolt (A). Then loosen the screw clamp (B) at the airbox.



6. Loosen the rearmost screw clamp on the rubber coupler (at the turbocharger inlet duct).



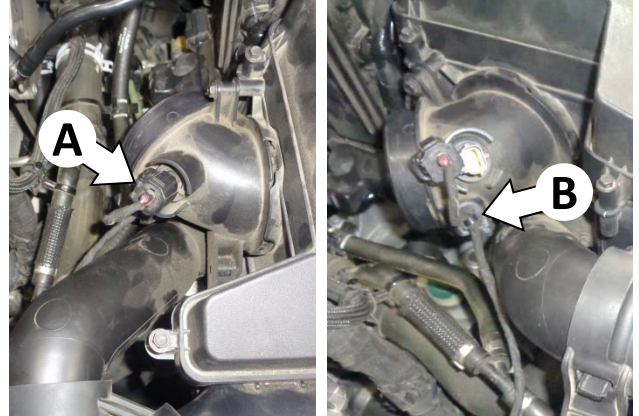
7. Pull the breather line out of the clip that is molded into the intake duct.



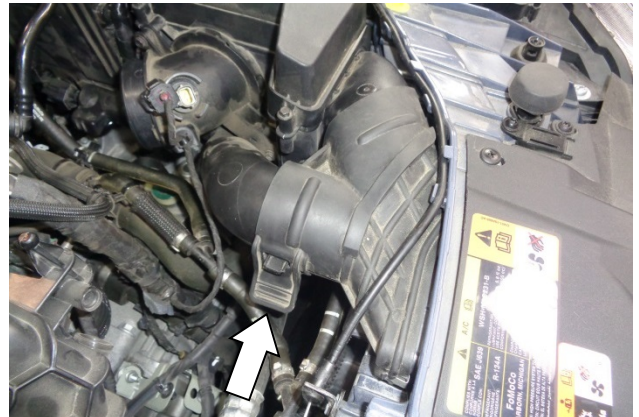
8. Follow the breather line back to the standoff clamp, then carefully pull the line and clamp together straight up out of the bracket molded into the back of the intake duct. Leave the clamp attached to the breather line.



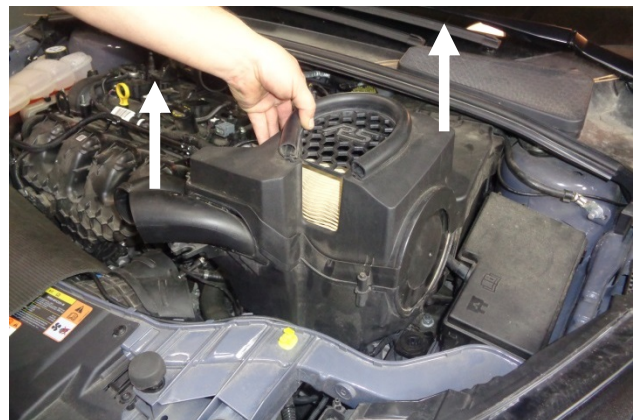
9. Separate the intake duct from the airbox and the turbo inlet duct and remove it from the vehicle.



10. Disconnect the air temperature sensor plug by depressing the locking tab (A) and pulling it straight off the sensor. Then disconnect the wire loom (B) from the airbox.



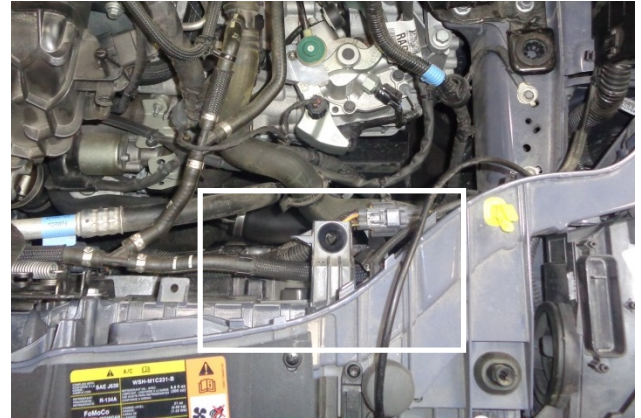
11. Lift up on the tab to release the airbox from the inlet air duct.



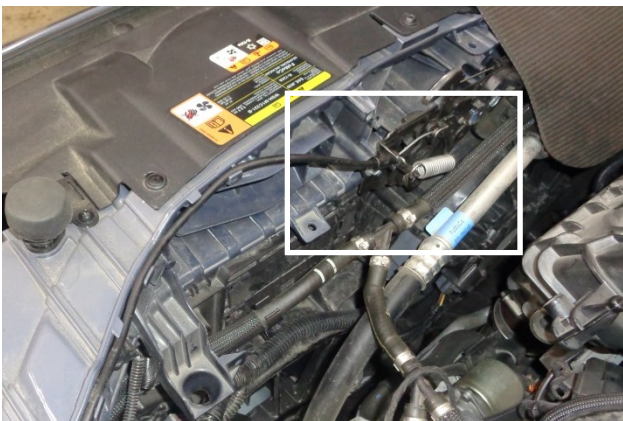
12. Pull straight up on the airbox to release its mount pins from their grommets, then remove it from the vehicle.



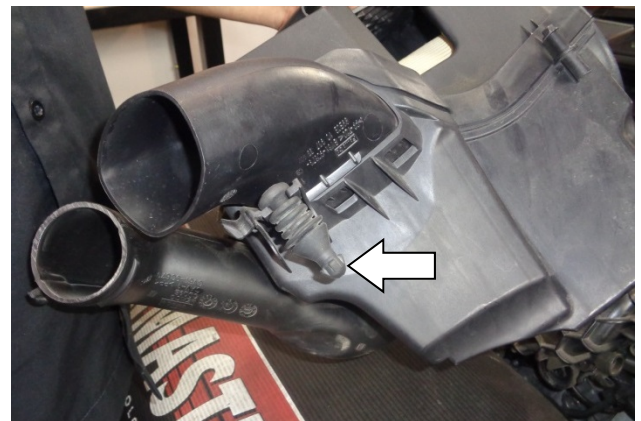
13. Pull straight back on the inlet air duct to remove it from the vehicle.



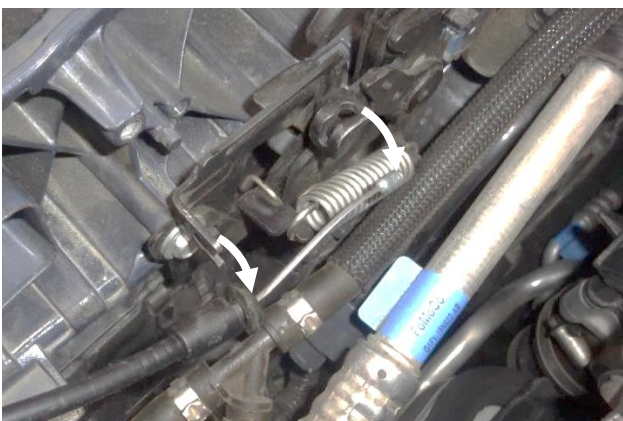
16. Remove the hood release cable from the five guides on the core support.



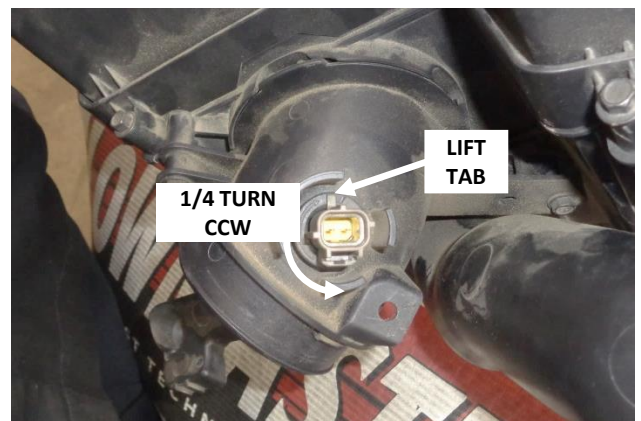
14. Locate the hood release latch on the core support.



17. Remove the rubber mount pin from the airbox for use at Step 23.

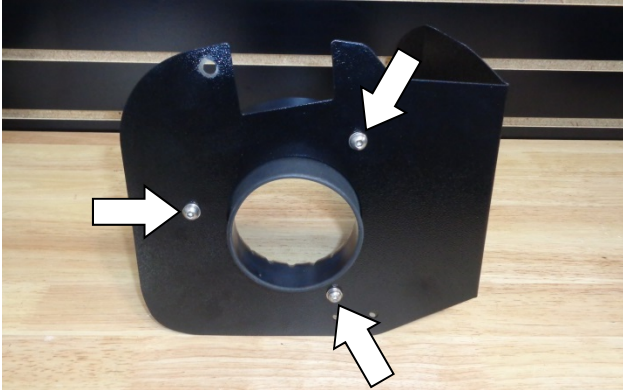


15. Remove the hood release cable end and grommet from the latch mechanism.



18. Remove the air temp sensor by lifting the locking tab and turning the sensor a quarter-turn counter-clockwise while pulling straight out. Then remove the o-ring from the sensor. **CAUTION: The sensor is delicate!** Handle it with care, and store it in a safe location until reinstallation.

ASSEMBLE AND INSTALL YOUR FLOWMASTER PERFORMANCE AIR INTAKE SYSTEM:



19. Assemble the air filter adapter (3) to the heat shield (4) using M6 screws (15), lock washers (14) and flat washers (13).



20. Assemble the inlet air duct (5) to the heat shield using a 1/4-20 screw (9) (on the duct side), and a flat washer (8), lock washer (7) and nut (6) (on the heat shield side).



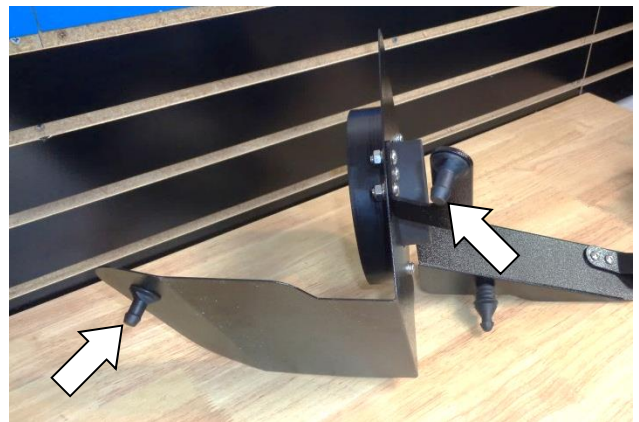
21. Attach bracket (16) to the heat shield using 1/4-20 screws (9) (on the bracket side), and flat washers (8), lock washers (7) and nuts (6) (on the heat shield side).



22. Attach bracket (10) to the inlet air duct using 1/4-20 screws (9) (on the bracket side), and flat washers (8), lock washers (7) and nuts (6) (on the duct side).



23. Push the rubber mount pin removed from the airbox at **Step 17** into the notch in the inlet air duct as shown.



24. Attach the barbed pins (12) to the heat shield and bracket using M6 screws (15), lock washers (14), and flat washers (13).



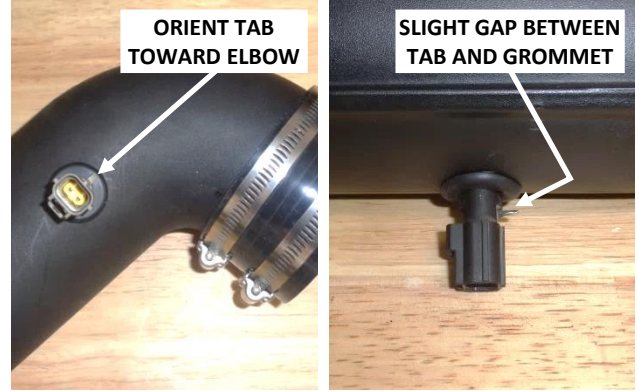
25. Attach the gasket (23) to the heat shield and inlet air duct. Starting at one end, firmly press the gasket onto the edge, gradually working around the heat shield and duct. When you reach the other end, trim the gasket to fit using metal-cutting shears.



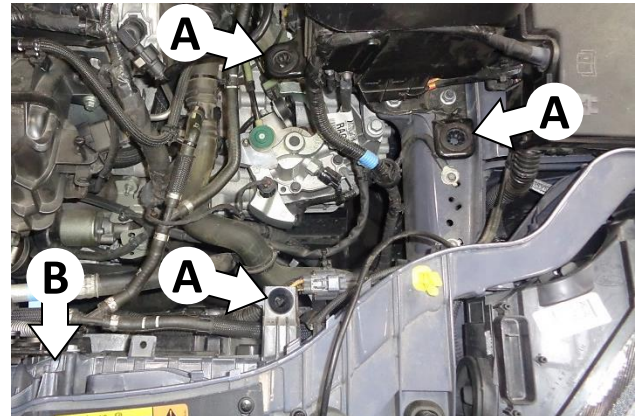
26. Install two large screw clamps (17) on the straight coupler (18), and install the coupler on the heat shield end of the intake tube (20). **Do not tighten clamps at this time.**



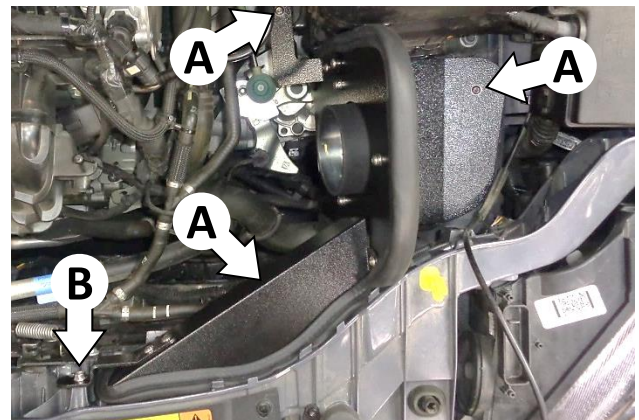
27. Insert the rubber grommet (19) into the tube. Moistening the grommet with soapy water will ease insertion.



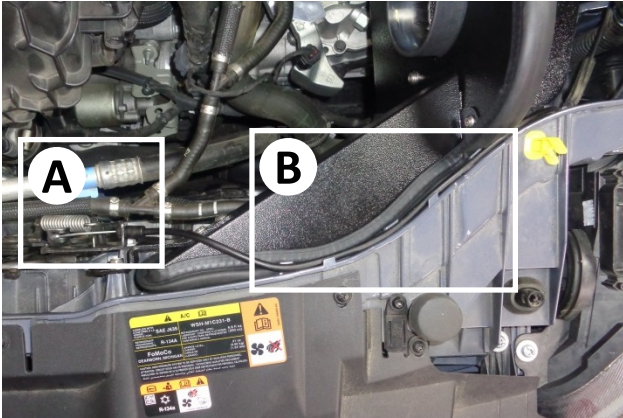
28. Carefully push the air temp sensor into the grommet, orienting the tab toward the tube's elbow. Moistening the grommet I.D. with soapy water will ease insertion. **Note that the tab does not sit flush against the grommet – there will be a slight gap.**



29. Note the locations of the three rubber mount grommets (A), as well as the screw hole in the core support (B).



30. Install the heat shield by pressing the three mount pins (A) into the rubber grommets. Then install the self-drilling screw (11) through the bracket (B).



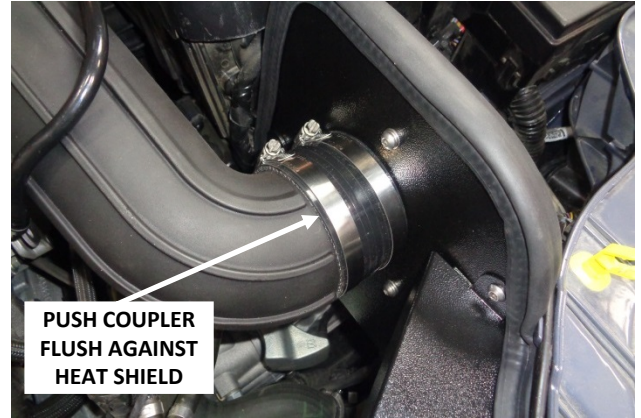
31. Reinstall the hood release cable end and grommet in the latch mechanism (A). Then return the cable to the five guides on the core support (B).



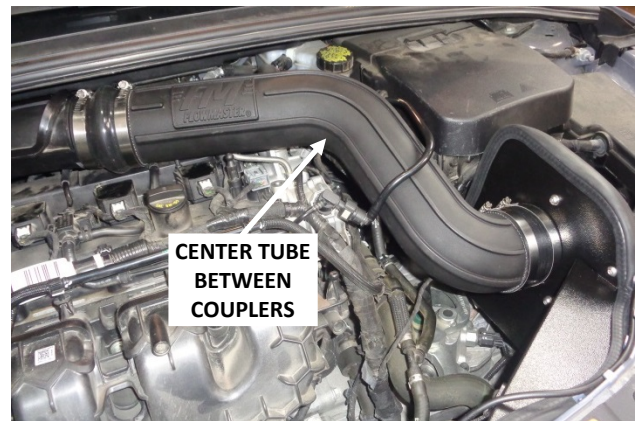
32. Install the other large screw clamp (17) and the small screw clamp (22) on the flex coupler (21). Then push the coupler all the way onto the turbo inlet duct and tighten only the small (duct) clamp.



33. Install the intake tube in the vehicle, but do not tighten any screw clamps yet.



34. Push the right coupler up against the heat shield and tighten only the filter adapter clamp.



35. Center the intake tube between the couplers (so that there is roughly an equal amount of the tube inside each coupler), and tighten the two intake tube clamps.



36. Push the breather line standoff clamp into the hole on the back of the intake duct.



37. On the bottom of the inlet tube, connect the air temp sensor plug to the sensor and check the plug for security.



38. Place clamp (2) on air filter (1), install the filter on the filter adapter, and tighten the clamp.



39. Reinstall engine appearance cover.



Congratulations, the installation of your FLOWMASTER performance air intake kit is now complete!

