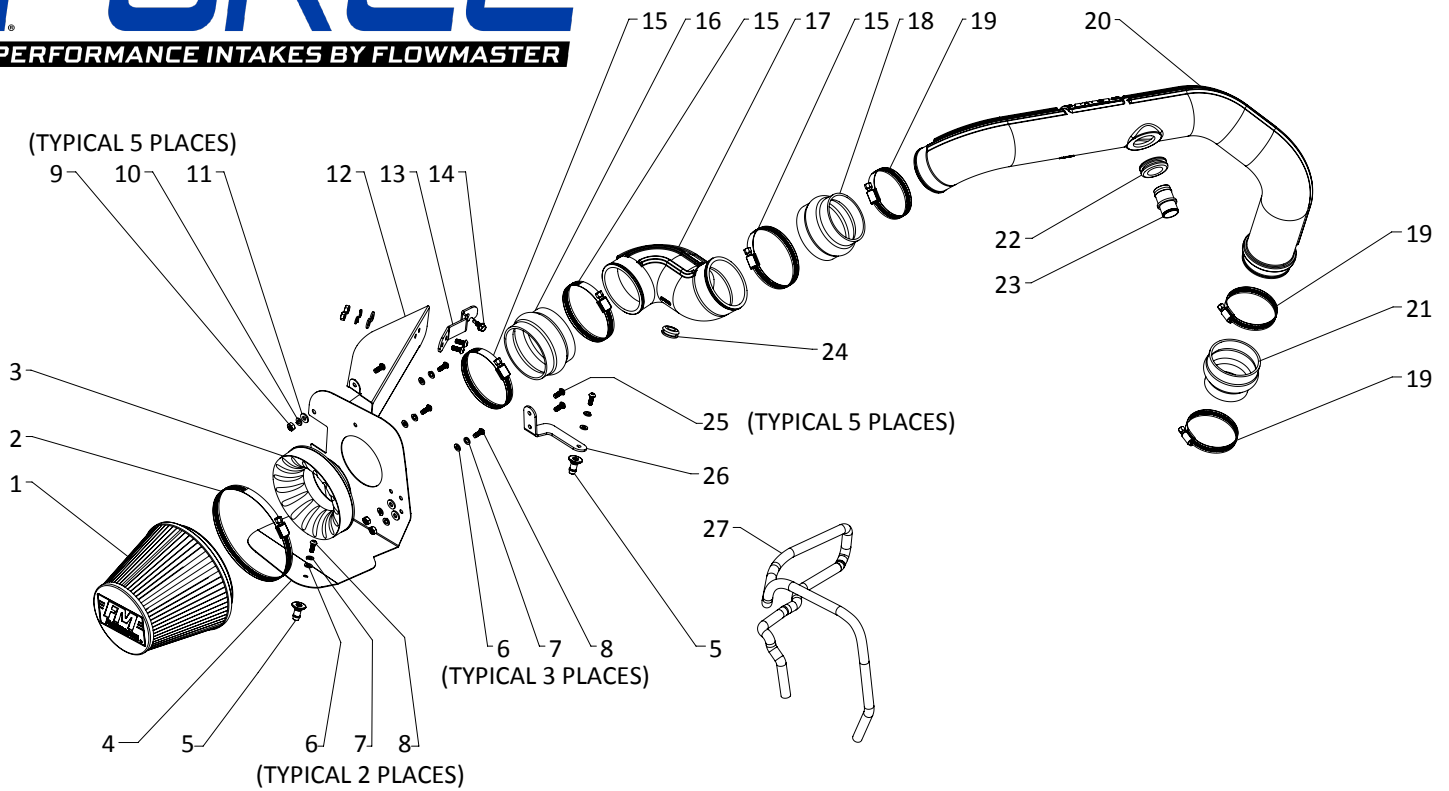




Installation Instructions for: SYSTEM #615174 2013 - 2018 FORD FOCUS ST 2.0 Turbo Engine

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, 13-18, FOCUS ST, 2.0T | 1 |
| 5 | AF7001 | BARBED PIN, M6 x 1.0 | 2 |
| 6 | HW319 | FLAT WASHER, M6 | 5 |
| 7 | HW318 | LOCK WASHER, M6 | 5 |
| 8 | HW244 | SCREW, M6 x 1.0 x 16MM | 5 |
| 9 | HW115 | NUT, 1/4"-20 | 5 |
| 10 | HW322 | LOCK WASHER, 1/4" | 5 |
| 11 | HW320 | FLAT WASHER, 1/4" | 5 |
| 12 | AF5067 | INLET AIR DUCT, 13-18, FOCUS ST, 2.0T | 1 |
| 13 | AF5065 | BRACKET 1, 13-18, FOCUS ST, 2.0T | 1 |
| 14 | HW262 | SCREW, SELF-DRILLING, 1/4" x 3/4" | 1 |
| 15 | MC350H | SCREW CLAMP, #56 (3-1/16" - 4") | 3 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|--|------|
| 16 | AF4019 | COUPLER, FLEX 3-1/2" I.D. x 2-1/2" L | 1 |
| 17 | AF2060 | INTAKE TUBE, FRONT, 13-18 FOCUS ST, 2.0T | 1 |
| 18 | AF4057 | COUPLER, FLEX 3-1/2" I.D. - 3" I.D. x 2-1/2" L | 1 |
| 19 | MC250H | SCREW CLAMP, #44 (2-1/4" - 3-1/4") | 3 |
| 20 | AF2062 | INTAKE TUBE, REAR, 13-18, FOCUS ST, 2.0T | 1 |
| 21 | AF4067 | COUPLER, FLEX 3" I.D. - 2-1/2" I.D. x 2-1/2" L | 1 |
| 22 | AF4064 | GROMMET, 1-3/4" OD x 1" ID x 3/16" THK | 1 |
| 23 | AF4066 | FITTING, STRAIGHT 1.045" QUICK CONNECT | 1 |
| 24 | AF4008 | GROMMET, 1-1/16" OD x 1/2" ID x 3/16" THK | 1 |
| 25 | HW245 | SCREW, 1/4"-20 x 5/8" | 5 |
| 26 | AF5066 | BRACKET 2, 13-18, FOCUS ST, 2.0T | 1 |
| 27 | 49000061 | GASKET, HEAT SHIELD | 54" |
| | | | |
| | | | |
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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 ¼-20 screws (item 25) (used with nuts (9)), and the M6 screws (8) (used with filter adapter (3) and barbed pins (5)).

REMOVE THE FACTORY AIR INTAKE SYSTEM:

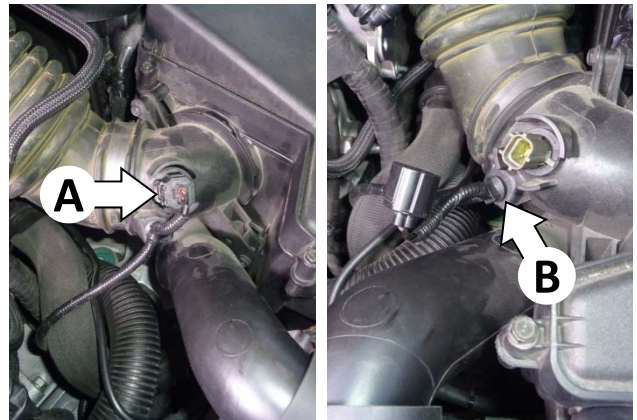
NOTES

- 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 the engine appearance cover.



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



6. Disconnect the front breather hose from the fitting.



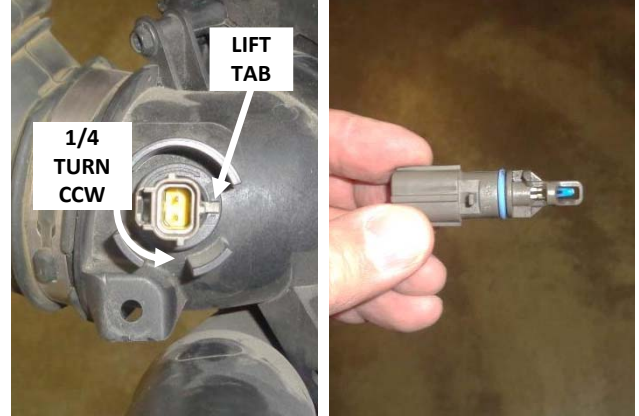
7. Loosen the screw clamp that secures the flexible duct to the rigid duct, then separate the ducts.



8. Release the two overlapping tabs to release the inlet air duct from the airbox.



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



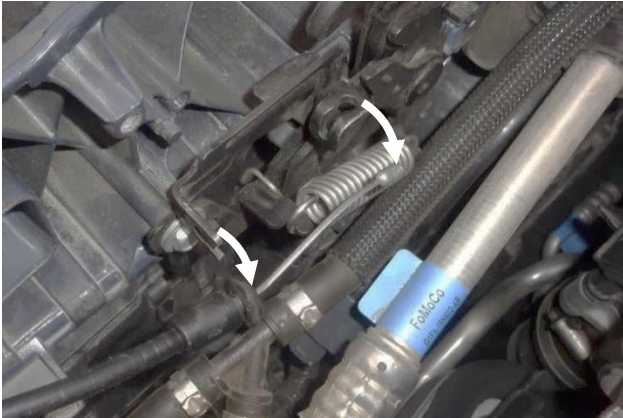
10. Remove the air temp sensor by lifting the locking tab, turning the sensor a quarter-turn counter-clockwise, and pulling straight out. Then remove the o-ring from the sensor. **CAUTION: The sensor is delicate!** Handle it with care, and store it in a safe location until reinstallation.



11. Remove the rubber mount pin from the airbox for use at **Step 27**.



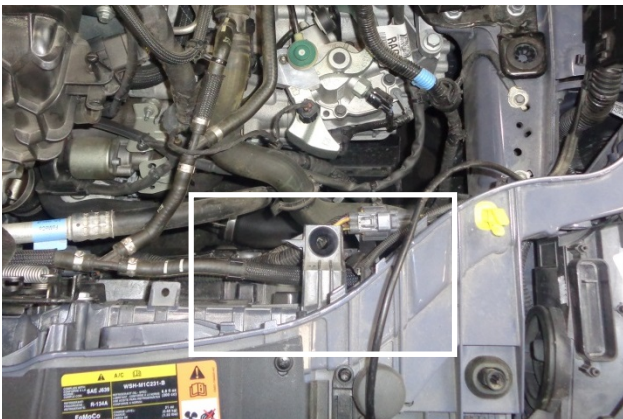
12. Pull straight back on the inlet air duct to remove it from the vehicle.



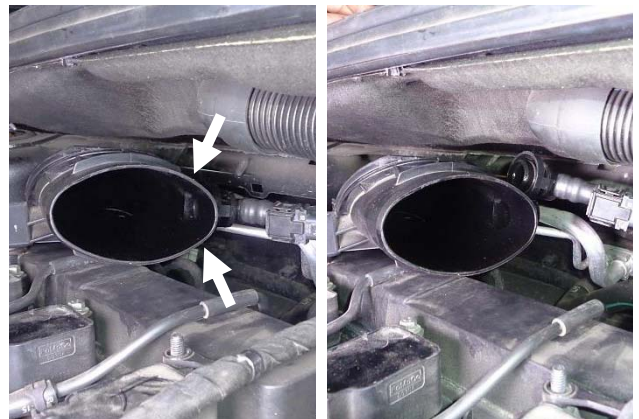
13. Remove the hood release cable end and grommet from the latch mechanism.



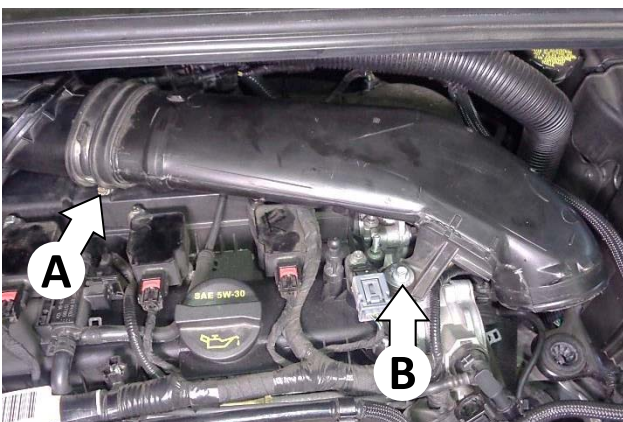
16. Separate the front duct from the rear duct and remove it from the vehicle.



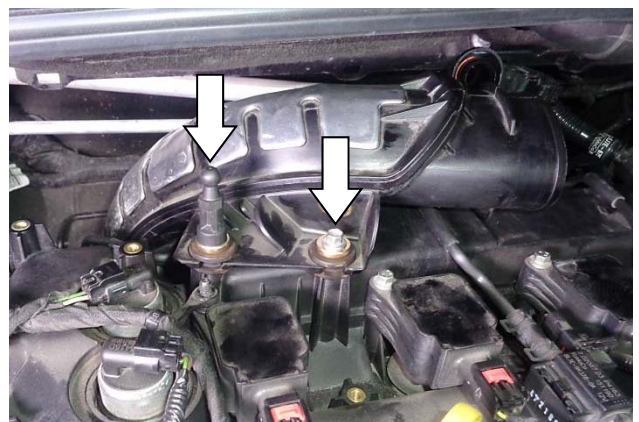
14. Remove the hood release cable from its five guides on the core support.



17. At the breather tube that connects to the rear inlet duct, squeeze the ring surrounding the tube, then pull the tube off the duct.



15. Loosen the screw clamp (A) on the rubber coupler between the inlet ducts, and remove the duct mount bolt (B).



18. Remove the two rear duct fasteners. Retain the ball post for use at **Step 38**.



19. Follow the rear inlet duct down to the turbocharger inlet.



20. Loosen the screw clamp on the rubber coupler between the inlet duct and turbo inlet.

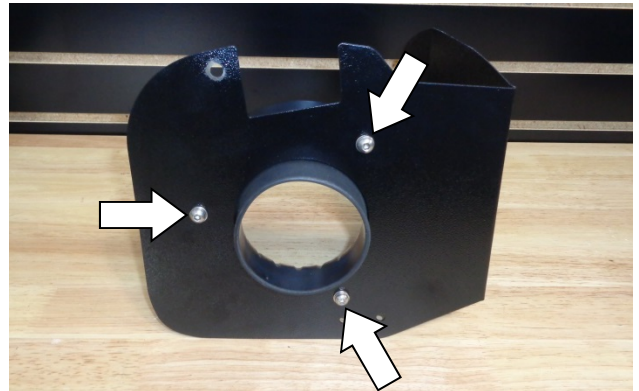


21. Separate the rear duct from the turbo inlet and remove it from the vehicle.



22. Remove one mount bushing from the rear inlet duct and retain it for use at **Step 38**.

ASSEMBLE AND INSTALL YOUR FLOWMASTER PERFORMANCE AIR INTAKE SYSTEM:



23. Assemble the air filter adapter (3) to the heat shield (4) using M6 screws (8), lock washers (7) and flat washers (6).



24. Assemble the inlet air duct (12) to the heat shield using a 1/4-20 screw (25) (on the duct side), and a flat washer (11), lock washer (10) and nut (9) (on the heat shield side).



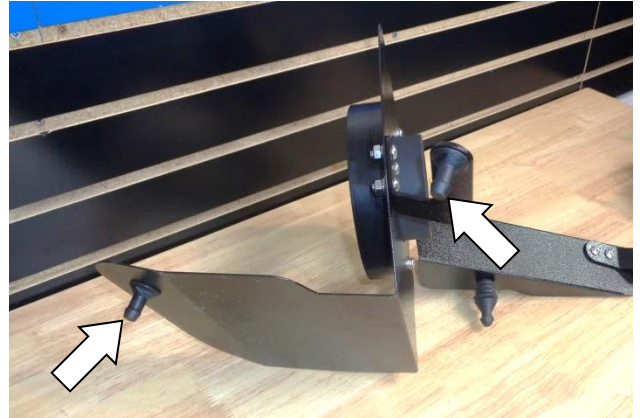
25. Attach bracket (26) to the heat shield using ¼-20 screws (25) (on the bracket side), and flat washers (11), lock washers (10) and nuts (9) (on the heat shield side).



26. Attach bracket (13) to the inlet air duct using ¼-20 screws (25) (on the bracket side), and flat washers (11), lock washers (10) and nuts (9) (on the air duct side).



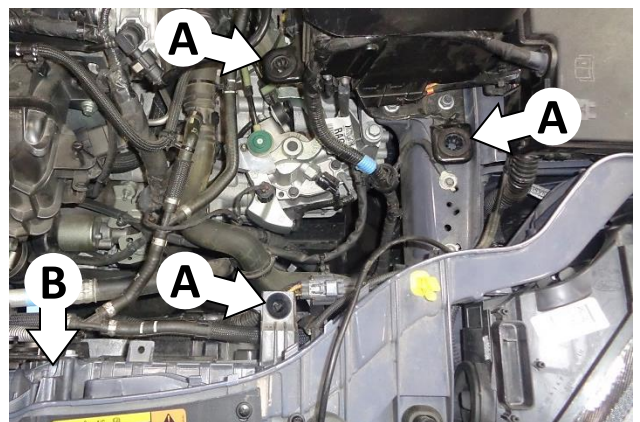
27. Push the rubber mount pin removed from the airbox at **Step 11** into the notch in the inlet air duct as shown.



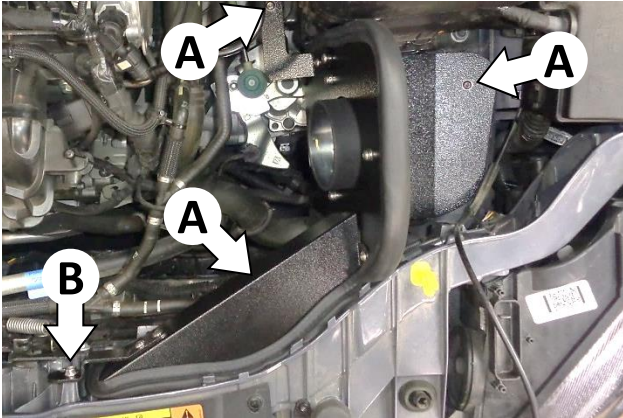
28. Attach the barbed pins (5) to the heat shield and bracket using M6 screws (8), lock washers (7), and flat washers (6).



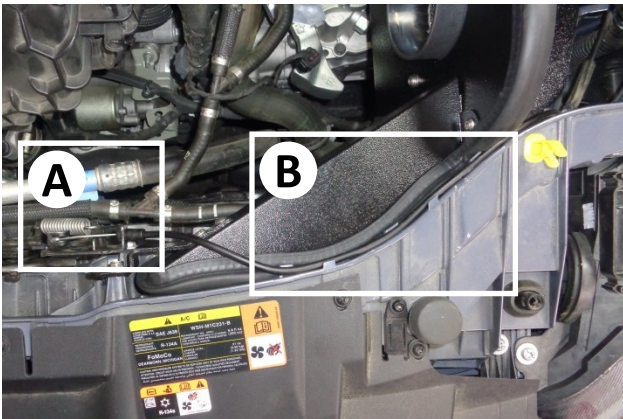
29. Attach the gasket (27) to the heat shield and inlet air duct. Starting at one end, firmly press the gasket onto the edge, gradually working around the heat shield and duct. When you reach the other end, trim the gasket to fit using metal-cutting shears.



30. Note the locations of the three rubber mount grommets (A), and the screw hole in the core support (B).



31. Install the heat shield by pressing the three mount pins (A) into the rubber grommets. Then install the self-drilling screw (14) through the bracket (B).



32. 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).



33. Install two small screw clamps (19) on the small reducing coupler (21). **Do not tighten clamps at this time.**



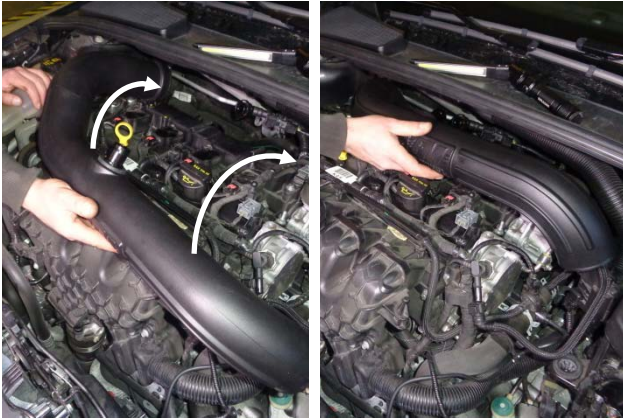
34. Install the small end of the coupler on the turbo inlet, push it flush against the raised lip, and tighten the clamp.



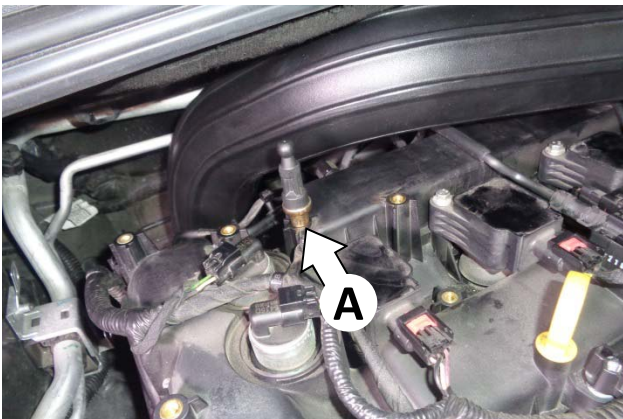
35. Insert the large rubber grommet (22) into the rear intake tube (20). Moistening the grommet with soapy water will ease insertion.



36. Push the quick-connect fitting (23) into the grommet until its flange is seated against the grommet.



37. Carefully roll the rear intake tube into position, then insert the lower end into the coupler



38. Install the ball post (removed at **Step 18**) and bushing (removed at **Step 22**) at the location shown.



39. Insert the small rubber grommet (24) into the front intake tube (17). Moistening the grommet with soapy water will ease insertion.



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



41. Install two large screw clamps (15) on the large flex coupler (16), and install the coupler on the end of the intake tube near the sharp elbow. **Do not tighten clamps at this time.**



42. Install a small screw clamp (19) and a large screw clamp (15) on the large reducing coupler (18), and install the coupler on the other end of the intake tube. **Do not tighten clamps at this time.**



43. Install the front intake tube in the vehicle, pushing the front coupler fully up against the heat shield. Snug the five remaining screw clamps slightly, just enough to permit adjustment of the intake tubes.



TOP CLAMP AT
TURBO INLET
COUPLER

46. Carefully tighten the five remaining screw clamps (so as not to disturb the intake tubes).



44. Install the engine appearance cover. Inspect for clearance between the cover and the intake tubes. (See especially the locations indicated above and in the next step.)



47. Connect the rear breather tube to the quick-connect fitting, and check for security.



45. If required, adjust the intake tubes to achieve adequate clearance between them and the engine cover. After verifying clearance, carefully remove the cover (so as not to disturb the tubes).



48. Reconnect the front breather hose to its fitting, and check for security.



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



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



51. Reinstall engine appearance cover.



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

FILTER MAINTENANCE:

We recommend that you clean and oil your air filter at 25,000 mile intervals using **Flowmaster's Filter Refresh Kit (PN 615001)**. See our website or your Flowmaster distributor for details.

IMPORTANT: RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

Flowmaster maintains a highly-trained technical service department to answer your technical questions, provide additional product information and offer various recommendations.

Direct all correspondence and warranty questions to:

Flowmaster
100 Stony Point Rd., Suite 125
Santa Rosa, CA 95401

Flowmaster Technical Service: (707) 544-4761
Monday – Friday: 7:30 am to 5:00 pm Pacific Time
(Closed Saturday and Sunday)

