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# Installation Instructions

## Turbo Air Inlet Kit

S60R/V70R 2004-2007, S60T5 2005-2009

ipd #120685, 120686



### SUGGESTED TOOLS

- Long flathead screwdriver
- Metric socket set with extensions
- Telescoping mirror is very helpful
- Short flathead screwdriver
- 7 and 8mm sockets or ratcheting wrench for stock clamps
- Several long extensions are also very helpful

### SAFETY WARNINGS



- Use only the parts supplied by ipd to install this kit
- Check ALL the fasteners for tightness before and after road testing the vehicle

### REMOVAL

- 1** Remove cover that is directly behind the headlight and to the right of the airbox by depressing the three tabs and pulling up to remove it, this will allow access to the 8mm bolt on the driver's side of the airbox.
- 2** On the passenger side of the airbox remove the two 8mm head screws (on top) that secure the snorkel to the airbox. Remove snorkel away from air box.
- 3** Using a 7mm socket, loosen the clamp around the MAF housing. Disconnect the wiring harness from the MAF.

# REMOVAL

- 4** Remove the (3) 8mm head bolts that secure the airbox at the base. Release TCV from drivers side of the airbox and move to the side. You are now ready to remove the airbox. Pull airbox up and out, while pulling away from stock Turbo intake pipe until it is completely free.
  
- 5** Remove the 2 vacuum lines from the base of the stock inlet pipe. There is one vacuum line on each side of the PTC. Remove the vacuum lines from the inlet pipe.
  
- 6** Remove Breather line (Rubber elbow) from the large PTC elbow using caution not to break the hard plastic pipe that leads to the factory oil separator. You will need to destroy the factory oetiker clamp that is on the PTC elbow to do this. A replacement clamp is included in the kit. You can use a small flathead screwdriver to deform the clamp enough to get it off. Then, separate the elbow from the PTC nipple by inserting a small flathead between the hose edge and the small lip or shelf on the PTC that the elbow sits against, pry upward gently and then pull the elbow off the PTC. Next remove the electrical connection to the PTC heater.
  
- 7** Remove clamp (that holds pipe to the turbo inlet) from base of pipe. You may not be able to see the clamp without a mirror. (Typically the head of the clamp is tilting back slightly with the head facing up and toward the firewall) Use a flathead screwdriver, 7mm ratcheting wrench or a wobble head 7mm socket with an extension to loosen the nut.
  
- 8**
  - A. Remove the PTC from the factory intake pipe, cut the grommet off the PTC.
  - B. Using a dremel with a cutter wheel/sander, a grinding wheel, or a belt sander, grind down the bottom lip of the PTC so that it will fit into the new inlet pipe. Sand any rough edges off the lip. The lip can have roughly .5 millimeters left on it after you are done, this will help it seal even better.
  - C. Push the PTC into the connector and clamp it with the electrical connection facing the front of the car. Do a test-fit to verify that it is in the correct position. If the PTC is sitting too high, making it hard to connect the wiring harness, simply remove the PTC and trim the silicone down using a new razor blade.

# INSTALLATION

- 1** Push the intake pipe into position. Clearances are very tight between the engine and brake lines. Remember to install the lower supplied clamp in the original orientation before sliding the intake into the turbo inlet.
- 2** Attach the hose leading to the PTC and tighten with the supplied clamp.
- 3** Attach vacuum lines to the appropriately sized barb on the pipe. Plug in the electrical connector to the PTC. Part of this will be easier from below the tube.
- 4** Rotate the intake tube upward into an appropriate position to align with the air mass meter before tightening the turbo inlet clamp.
- 5** Ensure that all vacuum lines are hooked up correctly, the PTC is seated correctly and all the hoses and pipes are connected tightly. Double check that the pipe is installed so that it is not touching any brake lines etc.

# ADDITIONAL RESOURCES

- 1** For more information and an installation video go to <http://www.youtube.com/watch?v=xw0V-TdChNQ>

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Any improper use, operation beyond capacity, substitution of parts not approved by ipd in writing, any alteration or repair by others, or any removal, defacing or altering of the identification shall void this warranty. There is no warranty on high-performance or race related parts due to the nature of usage.

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