

# **SPEED BY SPECTRE®**

*The 400mph Company™*

## **Intake Installation Instructions**

**P/N 9970 (red filter) - P/N 9970B (blue filter)**

**P/N 9970K (black filter) - P/N 9970W (white filter)**

### **Year/Make/Model/Engine**

2009-2010 Ford F-150 5.4L

2007-2011 Ford Expedition 5.4L

2007-2011 Lincoln Navigator 5.4L



### **Parts List**

- 1- Heat shield
- 1- 889892 Air filter
- 1- Intake tube
- 1- 4" EPDM coupler
- 3- 4" Hose clamps
- 1- 3.5" Hose clamp
- 2- m4 Machine screws
- 1- MAFS calibration sleeve
- 42"- Rubber seal
- 1- 20° Velocity stack adapter
- 1- 90° EPDM coupler
- 1- PCV hose adapter
- 1- 6" Clamp

### **Tools Required:**

- Standard screwdriver
- 5/16" or 8mm nut driver
- T-20 Torx tamper-proof driver or bit
- Phillips screwdriver
- 10mm socket
- 6 inch extension
- Ratchet
- Pliers

**CARB Exempt-No  
Products that are not  
CARB exempt are legal  
in most states, but may  
not be used in California  
or states with similar  
emissions control laws.**



**This kit comes with a high flow  
lifetime hpR filter. It is factory  
pre-oiled and ready to install.  
For cleaning instructions,  
visit our website –  
[www.SpeedBySpectre.com](http://www.SpeedBySpectre.com)**

**For filter reorders ask at the  
special order counter of your  
local parts store or call:  
1-909-673-9800**

**ask for: P/N HPR9892 (red filter)  
P/N HPR9892B (blue filter)  
P/N HPR9892K (black filter)  
P/N HPR9892W (white filter)**

**Note:** This kit was designed and tested on a stock engine without any custom tuning done to the engine computer. Removing the battery cable may erase the programmed radio stations. The anti-theft code will need to be entered into some radios after the battery cable is connected. The anti-theft code, if applicable, can typically be found in the owner's manual or at your local dealership.

**Step 1**  
Safety first! Before you begin the installation, make sure that the vehicle is in park with the parking brake set. Disconnect the negative battery terminal and verify all components listed are present.



**Step 2**  
Slide the red clip back then disconnect the electrical connector at the Mass Air Flow Sensor (MAFS).



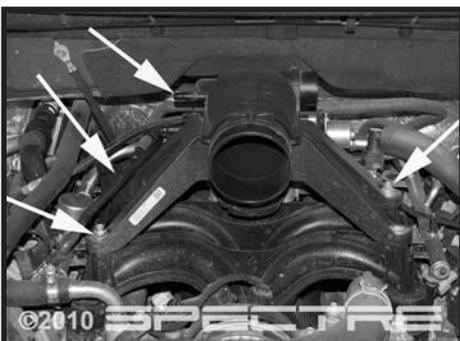
**Step 3**  
Loosen the clamps on the tube going to the throttle body adapter and at the air filter housing. Remove the intake tube from the air filter lid then slide it off the throttle body adapter.



**Step 4**  
Unclip the three hold down clips on the air filter lid, lift the lid then slide it forward to clear the locking tabs. Remove the air filter lid and air filter.



**Step 5**  
Remove the 10mm screw and hose clamp holding the air chamber to the throttle body adapter.



**Step 6**  
Remove the three 10mm screws holding the throttle body adapter. Disconnect the PCV fresh air hose from the throttle body adapter. Remove the adapter from the vehicle.



**Step 7**  
Remove the MAFS from the factory intake tube



**Step 8**  
Install the MAFS into the Spectre Performance aluminum intake tube. Install the supplied MAFS calibration sleeve into the intake tube. If you do not install the calibration sleeve you will get a check engine light.



**Step 9**  
Install the supplied 90° coupler with the supplied clamps on the throttle body but leave loose as you will need to adjust the coupler in a later step.



**Step 10**  
Install the supplied bulb seal around the edges of the supplied heat shield as shown.



**Step 11**  
Install the heat shield making sure that the tabs on the heat shield are inserted into the lower factory airbox slots.



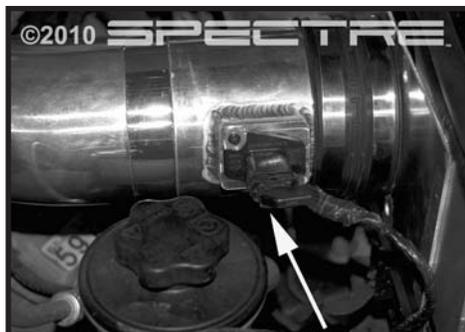
**Step 12**  
With the heat shield located into the slots, using the 2 factory clips from the airbox, clip heat shield into position. The center clip will not be used and can be removed if desired.



**Step 13**  
Place the velocity stack adapter in the heat shield and install the supplied 4" coupler making sure the coupler is pushed completely against the heat shield. Once the adapter and coupler are tight against the heat shield, snug the clamp to hold it in place but do not tighten at this time. Make sure that the clamp for the intake tube is installed but leave loose at this time.



**Step 14**  
Install the Spectre Performance intake tube into the 90° throttle body coupler and then into the coupler on the heat shield. Tighten both of the clamps on the throttle body coupler. Leave the clamp for the intake tube loose at this time.



**Step 15**  
Reconnect the MAFS electrical connector.



**Step 16**  
Reconnect the PCV fresh air hose to the PCV hose adapter.



#### **Step 17**

**Install the supplied air filter and clamp and tighten the clamp that secures the air filter. Rotate the air filter/velocity stack adapter assembly for the maximum clearance as shown. Make sure that the velocity stack adapter is still tight against the heat shield then fully tighten the clamps on the coupler.**

#### **Step 18**

**Make sure that all clamps and hardware are fully tightened. Reconnect the battery cable and start the engine and let it warm up. Shut it off and inspect the installation once more for any loose clamps, wires, or hardware. Test drive & enjoy! Your installation is now complete. Periodically check all clamps and brackets.**

**If you have any difficulties or questions regarding the installation of this intake system, contact the Spectre Performance Technical Department by email - Tech@spectreperformance.com or by phone (909) 673-9800 Monday thru Thursday 6:00am to 4:30pm PST.**

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(909) 673-9800

[www.SpeedBySpectre.com](http://www.SpeedBySpectre.com)