

2015 Polaris Slingshot Intake Kit Instructions

Parts List:

Qty 1 Heat Shield
 Qty 1 K&N Air Filter
 Qty 1 Aluminum Spacer
 Qty 1 1/4-20 Stainless Bolt
 Qty 4 M6 x 25mm Bolts
 Qty 1 Roll of Electrical Tape
 Qty 4 11" Zip Ties
 Qty 1 10" Wire Loom
 Qty 1 2.75" to 3.00" Coupler
 Qty 1 2.75" T-bolt Clamp
 Qty 1 3.00" T-bolt Clamp
 Qty 1 Intake Pipe w/ Bung
 Qty 1 Throttle Body Elbow
 Qty 1 Throttle Body Gasket

Technical Support:

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Tools Required for Install:

10mm Socket
 11mm Deep Socket or Wrench
 6" Socket Extension
 Ratchet
 10mm Wrench
 Knife or Razor Blade
 Flat Screw Driver or 8mm Socket
 Spray Lube or Grease

Step 1

Start by removing the factory intake tube by using the flat screw driver or the 8mm socket and loosen the two hose clamps pictured in Fig. 1. Don't forget to pull the breather hose from the intake tube. DO NOT remove the clamp Fig. 1.2. Also remove the Intake Air Temp sensor connector by pressing the button and pulling gently as seen in Fig. 1.1.

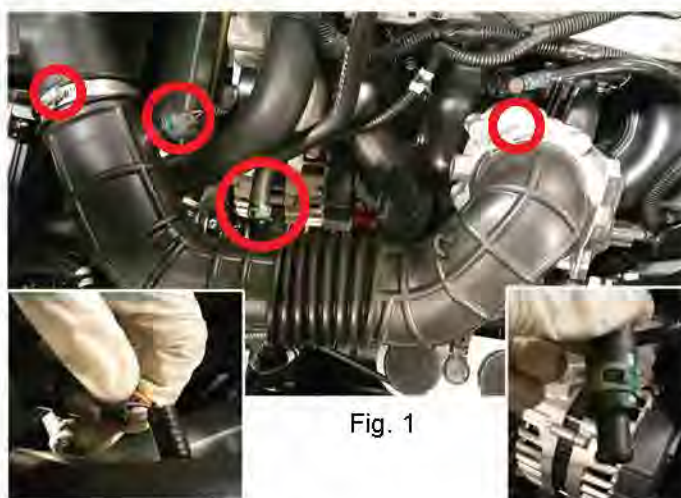


Fig. 1.1

Fig. 1.2

Step 2

Now its time to remove the factory air box. This is done by removing the three 10mm hex bolts that attach it to the chassis seen in Fig. 2. Once all these bolts are removed you can simply lift the box out of place.



Fig. 2

Step 3

Extending the throttle body wires is the hardest part of the installation. As you can see in Fig. 3 you can remove the connector from the throttle body.

NOTE: There is a gray safety lock on the connector slide that back first otherwise the connector will not release.



Fig. 3

Step 4

First Layer of Tape To Cut



Fig. 4

Cut the outer layer of electrical tape being careful not to cut into the harness. Fig. 3. Once you are through the outer layer you can pull on the harness gently and it will start to come out of the loom. Then carefully cut through the second layer of tape. Now you should be able to pull the wiring out of the loom just like Fig. 4. Place the loom supplied in the kit over the exposed wire and tape.

Step 5

Remove the four 10mm hex bolts that attach the throttle body to the factory intake manifold. Place the throttle body on the new intake elbow making sure the gasket included in the kit is in place. Tighten the bolts in a criss cross pattern. **Torque Spec 10 Nm (89 lb in).** Now plug the throttle body connector in to the throttle body as shown in Fig. 5.

Insert one supplied bolt into the lower left bolt hole on the factory manifold just a few threads. Now carefully slide the assembly into place moving any harness or tubes out of the way as you place it. Place the remaining bolts in and tighten to **Torque Spec 10 Nm (89 lb in).** You may need to pull the circled Harness to gain some more length, you do not want the throttle body wire tight.



Fig. 5

Step 6

Remove the Factory bolts that hold the radiator to the support in front of the engine using a 10mm Socket and wrench. You may have to screw the bolt all the way out. The radiator will not fall out.

Fig. 6. Cut the two zip ties the arrows point to and zip tie the harness to the crossbeam in Fig. 6.

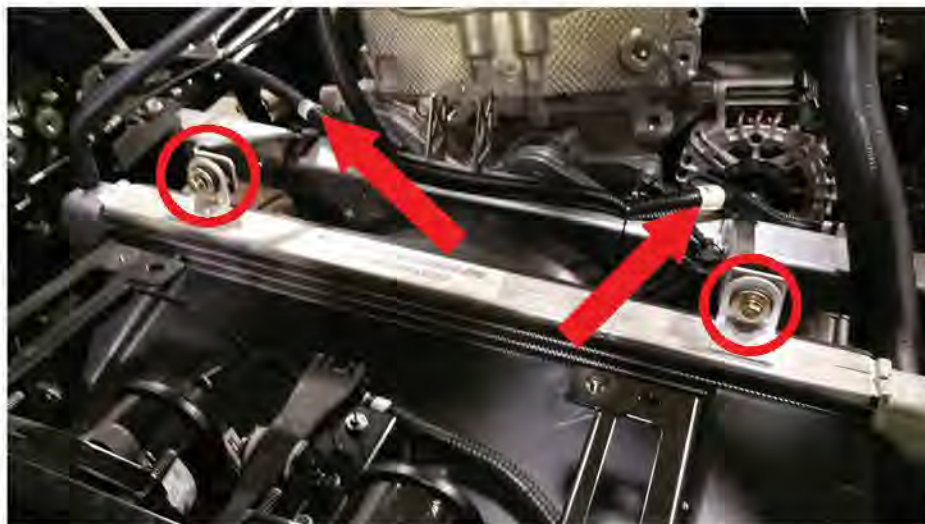


Fig. 6

Step 7

Remove the Intake Temp Sensor from the factory location. Apply a small amount of lubricant to the surface. I prefer glass cleaner for this cause it will dry after time. Slide the sensor in the farthest bung from the bead rolled end of the pipe as shown in Fig. 7. Then place the coupler on the bead rolled end and push it on as far as you can. Loosely place the T bolt clamps over the coupler making sure they are on correctly.



Fig. 7

Step 8

Final assembly. Place the main shield in place over the radiator. **DO NOT TIGHTEN** till the pipes in. Place the spacer nut on the end of the K&N air filter. Put the filter in place and attach it to the shield with the included bolt. Now slide the breather hose into the remaining bung on the intake tube and slide it into the heat shield hole as pictured in Fig. 8.



Fig. 8

Slide the coupler onto the throttle body. Slide the filter on the pipe and tighten the filter with a flat screwdriver. Now you can tighten the intake box with the factory mounting hardware, as well as the T-Bolt clamps with a 11mm. Finally plug in the factory temp sensor. You may need to cut the zip tie on the harness to gain enough slack on the harness. Check all your bolts and you can start it up!