INSTALL INSTRUCTIONS FOR 75-6001

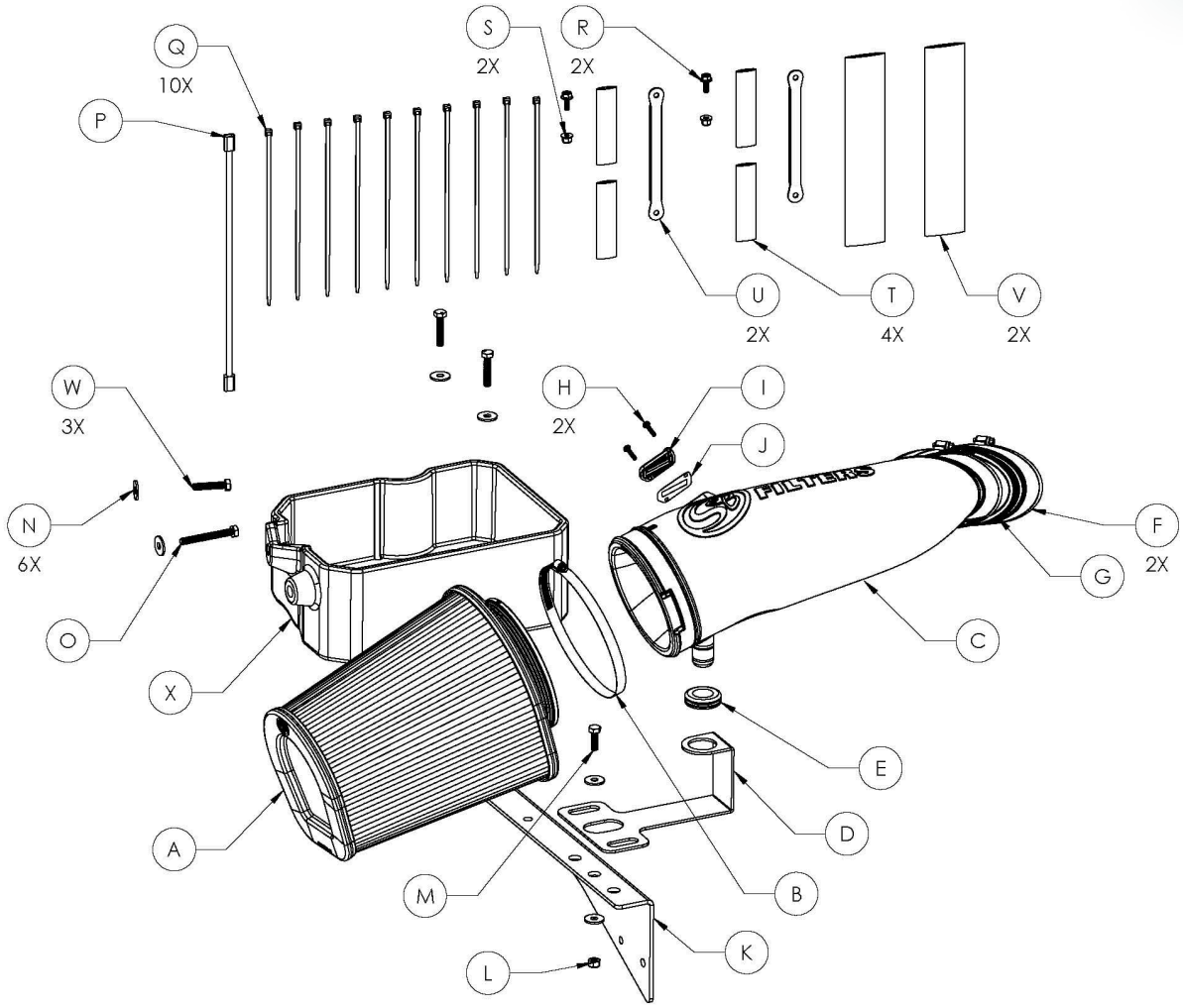
PRINT

BEFORE YOU START

- Please read the entire product guide before proceeding.
- Ensure all parts are present.
- If you are missing any of the components, call our customer support at (909) 947-0015.
- Do not work on your vehicle while the engine is hot.
- Make sure the engine is turned off and the vehicle is in Park or the Parking Brake is set.

REQUIRED TOOLS

- Socket Wrench
- 7mm, 8mm, 10mm (deep), 13mm Socket
- 5/16” Nut Driver or Flat Blade Screwdriver
- Panel Popper
- T20 Torx
- Phillips Screwdriver
- Scissors
- Heat Gun
- Wire Cutters



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A	KF-1070	Air Filter	1	M	AI1214-00	M8-1.25 x 25mm Long Screw	1
B	AG1012-00	Hose Clamp, #104	1	N	AI1742-00	M8 Fender Washer	6
C	AL1344-00	Inake Tube	1	O	AI2318-00	M8-1.25 x 70mm Long Screw	1
D	AI2174-00	Intake Tube Support Bracket	1	P	AI1481-00	MAF Wire Harness Extension	1
E	AI1368-00	Rubber Grommet	1	Q	AI1750-00	Cable Tie, 9" Long	10
F	AG1009-00	Hose Clamp, #72	2	R	AI2014-00	M6 x 16mm Screw	2
G	AI1523C-00	Straight Coupler	1	S	AI2015-00	M6 Flange Locknut	2
H	AI1837-00	8-32 Thread Size, 3/4" Long Screw	2	T	AI2019-01	1" ID Heat Shrink, Red, 4.0" Long	4
I	AI1822-00	MAF Adapter Pad	1	U	AI2007-00	Battery Cable Extension	2
J	AI1823-00	MAF Gasket	1	V	AI2107-02	Fabric Heat Shrink, Black, 10" Long	2
K	AI1958-CT	Battery Tray Bracket	1	W	AI1163-00	M8-1.25 x 40mm Long Screw	3
L	AI1736-00	M8 X 1.25 Nylon Insert Locknut	1	X	AL1298T-01	Battery Tray	1

STEP 1

With the ignition switched off and the parking brake set, disconnect the negative battery cables on both batteries and positive battery cable on the passenger side only.

IMPORTANT: Failure to disconnect the battery for a minimum of 2 hours may cause the Check Engine Light to illuminate upon completion of the installation or subsequent operation.

DO NOT SKIP THIS STEP!

Tool Required: 10mm Socket, Socket Wrench.

STEP 2

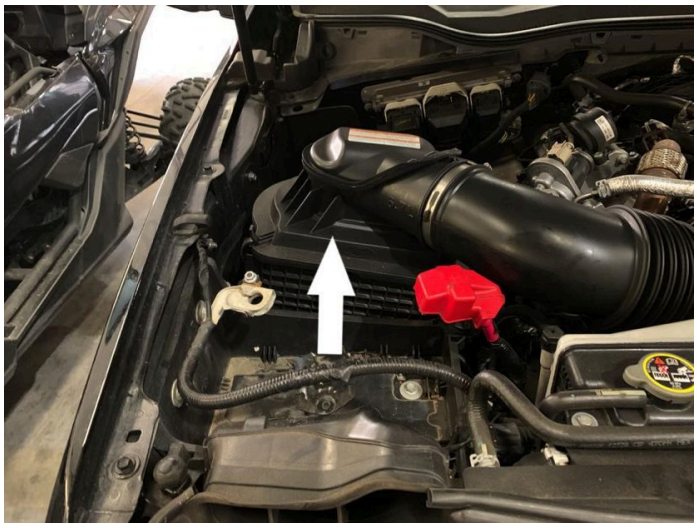
Remove the two nuts on the battery hold down bracket, e the negative

battery cable mounting tab and hold down bracket from the battery. Set the hardware aside they will be reused in Step 27.

Tools Required: 10mm Deep Socket, Socket Wrench

STEP 3

Remove the battery and battery blanket from the vehicle. The battery is heavy so be extra careful when taking it out. The battery is also filled with battery acid so remember to keep it level to prevent the acid from spilling out the top.



Safety Note: Wear appropriate safety glasses and protective gloves for battery removal and installation.

STEP 4

Disengage the red locking clip, press down on the tab, then pull out to disconnect the MAF sensor harness from The MAF sensor.

STEP 5

Disconnect the hoses attached to the stock intake tube.

STEP 6

Loosen the hose clamp connected to the stock intake box and turbo inlet then remove the stock intake tube from the vehicle.

Tool Required: 7mm Socket, Socket Wrench

STEP 7

Remove the two screws securing the stock intake box.

Tool Required: 8mm Socket, Socket Wrench

STEP 8

Pop out the harness clip attached to the back of the stock intake box.

Tool Required: Panel Popper or Flat Blade Screwdriver.

STEP 9

Lift up the stock intake box slightly to unseat the prongs from the stock grommets, then remove the stock intake box from the vehicle.

STEP 10

Pop out the stem and remove the push in rivet from the indicated hole securing the front inlet.

ed: Panel Popper or Flat Blade Screwdriver

STEP 11

Pop out all the wire harness clips secured to the side of the battery tray.

Tool Required: Panel Popper or Flat Blade Screwdriver

STEP 12

Pop out the two harness clips on the back of the battery tray.

Tool Required: Panel Popper or Flat Blade Screwdriver

STEP 13

Remove the four screws then remove the battery tray from the vehicle. Set the screws aside, they will be reused in Step 15.

Tool Required: 13mm Socket, Socket Wrench

STEP 14

Remove the two screws, then remove the stock intake box n the vehicle.

Tool Required: 10mm Socket/Wrench

STEP 15

Remove the AC line clip and electrical harness clip that is attached to the frame before installing the Battery Tray Bracket (K). Make sure that the flange on the battery tray bracket is on the side facing the engine, then align the three mounting holes on the battery tray bracket with the three mounting holes on the frame. Loosely install the M8 Screw (M), Washers (O) and M8 Locknut (L) into the center mounting hole and stock screws from Step 12 into the bracket. This is to prevent the bracket from spinning and keeping all the mounting holes from becoming misaligned. Do not fully tighten yet. Reinsert the AC line clip and electrical [illegible] into the holes

provided in the side of the battery tray bracket.

STEP 16

Remove the stock hold down U-bolt from the stock battery tray by first removing the two screws securing the stock battery tray to the stock intake inlet.

Tool Required: 8mm Socket/Wrench

STEP 17

Push the locking tabs and lift the stock inlet away from the stock battery tray.

STEP 18

Pop out the hold down U-bolt from the underside of the battery tray.

STEP 19

Install the stock hold down U-bolt onto the Battery Tray (Y). The stock hold down U-bolt should be installed as shown below. The longer end should be closest to the longer side of the Battery Tray (Y). Use a Cable Tie (R) through the center of the battery tray to secure the hold down U-bolt.

STEP 20

Check to see if you have one

nd cables attached to the fender as

shown. Some trucks have only the primary ground and others have both the primary and secondary grounds.

STEP 21

Remove the grounding bolt that attaches the primary ground to the fender. Set the grounding bolt aside to be used in Step 23.

STEP 22

Do not loosen the screw that holds down the secondary ground. The Battery Tray (Y) is designed to have enough clearance so that the secondary ground does not touch the Battery Tray.

STEP 23

Align the holes on the Battery Tray (Y) with the holes on the Battery Tray Bracket (K) and side fender wall then tighten with the M8 Screws (X) and Washers (O). Do not overtighten and deform the plastic Battery Tray. Use the longer M8 Screw (P) for going through the long side fender boss on the Battery Tray. Make sure the Battery Tray is not touching the secondary ground.

Tool Required: 13mm Socket/Wrench

STEP 24

Fully tighten the center mounting hole with the M8 Washers (O) and M8 Locknut (L) on the

Battery Tray Bracket (K) then remove the two stock screws from the bracket.

Tool Required: 13mm Socket/Wrench

STEP 25

Reattach the grounding bolt removed in Step 19 as shown. Re-use the factory grounding bolt to attach the primary ground to it's original threaded hole on the fender and torque to factory specifications, 106 lb-in (12Nm). Note: The primary ground should be at an angle with the prong facing away from the fender as shown.

Tools Required: 8mm Socket/Wrench, Torque Wrench

STEP 26

Place the battery and battery blanket inside the Battery Tray (Y) as shown. Be careful as the battery is heavy. The battery is also filled with battery acid so remember to keep it level to prevent the acid from spilling out the top. Pay attention to the orientation of the battery where the negative post is closest to the fender and the positive post is closest to the engine. Also make sure the U-bolt is on the outside of the battery blanket.

Safety Note: Wear appropriate safety glasses and protective gloves for battery installation.

STEP 27

Secure the battery to the Battery Tray (Y). Install the stock hold down bracket and e battery cable mounting tab then reinstall

and tighten the nuts removed in Step 2.

STEP 28

We will now rearrange and flip the tightening mechanism on the negative battery cable terminal. This will allow the terminal to reach the battery post after the battery relocation. First completely remove the nut, screw and wedge then pull out the metal clip then reinstall the metal clip into the longer side on the battery terminal as shown.

STEP 29

Reinstall the tightening mechanism and then flip the negative cable terminal over. The longer side of the negative battery terminal should be facing the passenger side during installation. Open up the battery terminal diameter by opening up the slit with a screwdriver so it will be easier to get the terminal fully seated onto the battery post.

Tool Required: Flat Blade Screwdriver

STEP 30

Remove the nut on the positive battery terminal and disconnect the secondary cable. Set the nut aside, it will be reused in Step 33. Note: If you have two secondary positive battery cables, disconnect both from the battery terminal.

Tool Required: 10mm Socket/Wrench

STEP 31A

Secure one end of the Battery Cable Extension (V) to the secondary battery cable using the M6 Bolt (S) and Flange Nut (T). Keep the metal contacts straight. Torque the M6 Bolt (S) and Flange Nut (T) to 88 lb-in (9.9 Nm).

STEP 31B

Warning: If you have two secondary positive battery cables, install the battery cable extensions separately. Do not attempt to install two secondary positive cables with only one Battery Cable Extension (V). This may lead to a potential fire. Also note the orientation of the extensions when attaching them so that the free end can [illegible] flat and back to back as shown.

Tool Required: 10mm Socket/Wrench, Torque Wrench

STEP 32A

Slide the Heat Shrink (U) over the metal contact then shrink the tubing. Make sure there is no exposed metal or tears after shrinking the tube. Repeat the procedure and cover the Heat Shrink (U) with another Heat Shrink (U). Note: If you have two secondary cables, complete the process for each secondary cable individually. Do not use one Heat Shrink (U) for both cables.

Tool Required: Heat Gun

STEP 32B

Slide the Fabric Heat Shrink (W) and cover the entire extension including the Heat Shrink (U). Make sure there is no exposed metal or tears after shrinking the Fabric Heat Shrink (W).

Tool Required: Heat Gun

STEP 33

Reinstall the nut removed in Step 30 to secure the other end of the Battery Cable Extension (V) onto the positive battery terminal. Leave the nut loose. Note: If you have two Battery Extension Cables (V) installed, stack the two cables on top of each other flat, back to back as shown in Step 31b, then reinstall the nut. Tool Required: 10mm Socket/Wrench

STEP 34

Disconnect the connection between the two wire harnesses shown. Cut the zip tie securing the indicated plug to the negative battery terminal cable.

Tools Required: Scissors, Panel Popper

STEP 35

Install the provided grommet into the hole on the intake tube support bracket.

STEP 36

Install the tube support bracket into the vehicle, attaching it to the battery tray bracket using the two loose M8 screws that were used to initially attach the battery tray bracket to the vehicle. Do not tighten these screws all the way so that the bracket still has some play.

Tools Required: 13mm Socket, Socket Wrench

STEP 37

After attaching the provided coupler (G) to the intake tube (C) with a #74 hose clamp (F), install the intake tube into the vehicle by slipping the other end of the coupler around the turbo inlet. Gently guide the prong on the bottom of the tube into the grommet on the tube support bracket. Check the fitment of and tube and then tighten the bracket fully.

This step ensures that the tube support bracket is installed in a position that will seat the tube correctly. After tightening down the bracket, remove the intake tube from the vehicle.

STEP 38A

Assemble the intake tube/filter assembly outside of the vehicle. Do this by attaching the coupler to the oval end of the tube and securing it using a provided #74 hose clamp (F). Then attach the filter to the intake tube and secure it using a provided #104 hose clamp (B).

Tools Required: Ratchet, 8mm Socket

STEP 38B

Make sure the location markings on the filter and tube line up to ensure proper alignment of the filter assembly.

STEP 39

Remove the MAF sensor from the stock intake housing.

Tools Required: T20 Torx

STEP 40

Install the MAF sensor, MAF sensor pad (I) and MAF sensor pad gasket (J) onto the intake tube, securing tube with the

provided phillips head screws.

Tools Required: Phillips head screwdriver

STEP 41

Install the assembled intake kit into the truck by sliding the intake into the vehicle so that the tube coupler slips around the turbo inlet. Secure the assembly by pushing the tube down so that the prong on the bottom side of the tube sits securely in the grommet of the bracket installed in step 9. Finish securing the kit to the vehicle by tightening the remaining #74 bracket over the coupler and around the turbo inlet.

Note: If the indicated AC tube is in the way of the intake assembly during installation, gently bend it out of the way so that it does not hit any filter.

Tools Required: Ratchet, 8mm Socket.

STEP 42

Attach the provided MAF harness extension (Q) to the existing MAF sensor connector by inserting the male end and engaging the red locking clip.

STEP 43

Attach the remaining end of the MAF harness extension (Q) to the MAF sensor by inserting the female end and engaging the red locking clip. Route the slack of the MAF cable underneath the positive battery terminal cable.

STEP 44A

Install the positive terminal on the positive battery post. Remove the terminal clamp nut assembly and rotate it to the other side of the terminal as shown by the white arrow. Moving the terminal clamp nut will allow the positive cables and extensions to be as close as possible to the side of the battery.

STEP 44B

Now position the terminal so that the battery cables and Battery Cable Extension(s) (V) are as close as possible to the side of the battery so that the cables do not come in contact with any hot components or moving parts. Torque the terminal clamp nut to factory specifications, 80 lb-in (9 Nm). Torque the battery cable nut to factory specifications, 80 lb-in (9 Nm).

Tools Required: 10mm Deep Socket/Wrench, Torque Wrench

STEP 45

Place the positive terminal cover over the positive terminal and verify that the battery cables and extensions are as close as possible to the side of the battery so that all wires are away from any hot components or

moving parts that could potentially damage the cables or wires.

STEP 46

Install the negative terminal on the negative battery post as shown. Tighten the terminal clamp nut and torque to factory specification, 80 lb-in (9 Nm). Do the same to the driver's side battery.

STEP 47

Zip tie the slack of the MAF cable to the indicated places to make sure it does not move during operation of the

STEP 48

Inspect your installation, make sure the kit is properly positioned and all fasteners are secured. S&B Filters recommends keeping all stock parts in case you would ever need to reinstall the stock intake. Affix the ID label near the intake kit. The installation is now complete.