

## INSTALLATION INSTRUCTIONS

### STILLEN HI-FLOW INTAKE

1995-96 Nissan Maxima / 1995-96 Infiniti I30  
P/N 402951

#### Equipment Supplied:

1. (1) Hi-Flow adapter
2. (1) Support bracket
3. (1) K&N air filter
4. (2) Bolts (4 x 0.8mm)
5. (2) Washers 4mm
6. (2) Lock washers 4mm
7. (5) Bolts (6 x 1mm)
8. (5) Flat washers 6mm
9. (5) Lock washers 6mm



### WARNING:

IF YOU ARE NOT EXPERIENCED IN THE AREA OF  
AUTOMOTIVE MECHANICS WE STRONGLY URGE THAT  
YOU REFER THIS INSTALLATION TO YOUR MECHANIC.

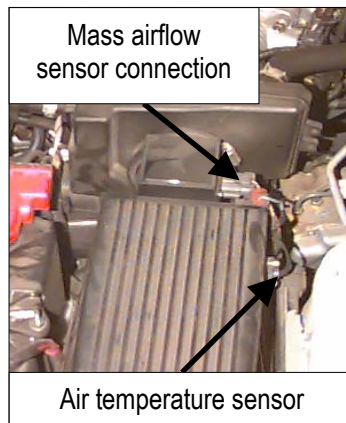
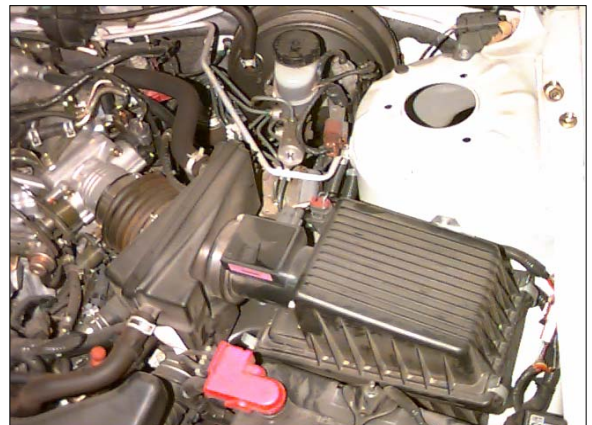
#### Equipment needed:

1. Assorted sockets and wrenches
2. +,- Screwdriver

**WARNING!!! – DO NOT ATTEMPT TO START VEHICLE WITH MASS AIR SENSOR DISCONNECTED, FAILURE TO FOLLOW WARNING WILL RESULT IN FUTURE DIAGNOSTIC REPAIR!!**

#### Installation:

1. This Hi-Flow system replaces the Nissan Maxima OEM air box. Briefly, the OEM air box is held in place with three bolts (lower housing), support bracket bolt (behind the mass sensor), and a hose clamp (mass sensor). The air box itself consists of two halves the upper housing which attaches to the mass sensor and the lower half which attaches to the body frame. The photograph demonstrates the relationship of the units described. Not seen in the photograph is the bolt behind the mass sensor that supports the sensor.
2. The upper housing is removed by undoing the four clips that secure the upper housing to the lower half and then undoing the bolt behind the sensor and finally undoing the hose clamp holding the mass sensor to the inlet hose to the throttle body. Check that all electrical connections to the air inlet assembly are disconnected. They are the air temp sensor and the mass flow sensor. **Note: Once the MAS connector is disconnected do not start vehicle, Check Engine Light will go on and need to be reset by dealer!!!**
3. The photograph demonstrates the relationship between the mass flow sensor and the upper housing. If the upper housing cannot easily be removed from the inlet hose even after the clamp has been removed spray a liberal amount of WD40 or other similar light lubricant to loosen the pieces up.
4. Lay the upper housing assembly on a workbench and remove the mass flow sensor from the upper housing by undoing four bolts. You will be using





these four bolts for the new installation. Again from the photograph you will see the temperature sensor bolted to the side of the upper housing. Remove the two bolts and the sensor taking care not to damage the temperature-sensing element as you are pulling the sensor out. The next photograph demonstrates how the sensor is assembled onto the OEM air box. You will be installing this sensor in a similar fashion on to the K&N filter supplied with the kit along with the extended length bolts. The temperature sensor is attached on the top of the K&N filter element. Provision for the installation of the air temperature sensor is provided on the K&N filter.

5. Remove the phillips screws securing the sensor on to the upper housing. The bolts thread into a backing plate in the inside of the housing itself and should be removed for installation into the K&N filter. There are extended length bolts supplied in the kit to accommodate the installation. We suggest that you use some type of thread locking compound such as Loctite to secure the bolts and the thread plate in place after the installation is completed.
6. The Stillem Hi-Flow is attached to the mass flow meter using the four M6 bolts provided in kit. In assembling the two pieces together ensure that the Stillem logo (cast into the rear of the Hi-Flow ring) is lined up with the sensor control unit on the mass flow sensor. This view is shown looking from the rear of the unit prior to installation. Take note that the bend in the bracket faces the front of the intake adapter.
7. Back to the lower housing of the vehicle. You can now remove the lower housing by undoing the three bolts securing the lower assembly to the body frame. The two bolts on the inside left of the lower housing will be used to secure the Hi-Flow support bracket to the body frame.
8. After you have removed the lower housing you are now ready to install the Stillem Hi-Flow System. You can start off by inserting the mass airflow sensor into the inlet hose as it was before. Secure the clamp enough to hold the system in place while you line up the lower support bracket. Install the bracket using two of the bolts removed from the bottom of the lower housing. Tighten the hose clamp at the mass air flow sensor.
9. Remove the air temperature sensor from the OEM upper housing. The temperature sensor is attached with two small screws and a threaded plate mounted inside the housing. Remove the two screws, the air temperature sensor, and the threaded plate. Install the air temperature sensor onto the K&N filter using the two screws and washers supplied in the kit. Use the threaded plate on the inside of the K&N filter.
10. Check that all electrical connections are connected. To MAS and Air Temp Sensors. **Note: Once the MAS connector is disconnected do not start vehicle, Check Engine Light will go on and will need to be reset by a dealer.**
11. **DONE!**

