

# Volkswagen Cabriolet DIY Guide

## K-Jetronic: Eliminating Intake Y-Valve

### Tools needed:

- Philips screwdriver
- Straight screwdriver, or ¼" socket
- Saw

### Parts needed:

- K&N Hose Kit #85-6000

or

- Original factory hose #067133853B/067133853D, if you can find one



### What is the Y-valve?

The Y-valve (aka control box, part #067129595) is mounted to the front of the air box on most JH engines. The plastic hose (part #067133853F) connecting the valve to the lower valance flange (part #067133899) is the fresh air intake. The corrugated, insulated hose (part #049129627T, if your car still has it) extending over to a deflector plate/flange (part #067129595) on the exhaust manifold is the warm air (aka pre-heat) intake.



When the internal spring-loaded sensor is cold, the flap inside the Y-valve closes off the fresh air intake to introduce warm air into the air box for better NOx emissions control during the warm-up period. As the Y-valve temperature sensor heats up, the flap closes off the warm air intake to allow for full fresh air inflow. As you can see from the photos below, the valve takes a three-inch hose and restricts it by more than half, which is the reason for eliminating it, provided you don't have to contend with emissions testing (and/or live in a warm climate). With a full three-inch hose from inlet to air box, like most European Cabriolets came with, your car should see improved performance.



Sensor cold; flap closed to fresh air



Sensor heating up; flap at mid-way



Sensor warm; flap closed to warm air

## Removal procedure:

### Step 1:



Remove/loosen the hose clamps on the exhaust manifold hose and remove the hose. (Remove the exhaust manifold flange for this hose, if desired.)

### Step 2:



Remove the screw holding the valve to the air box. Remove the two screws holding the fresh air inlet to the back side of the valance. Remove the hose assembly from the car.

### Step 3:



Remove/loosen the hose clamp from the plastic hose mounted to the fresh air inlet. Remove the hose.

### Step 4:



Remove the end sleeves from the K&N hose and trim (saw) the hose down to 12".

### Step 5:



From underneath the car, install the new hose onto the air box. Install the other end of the hose onto the fresh air inlet. Reinstall the fresh air inlet to the valance. Install the hose kit's zip ties (or hose clamps) at each end of the hose, if desired.

### Step 6:



Enjoy your car's improved breathing and performance!

**\*\* Remember, you are responsible for working on your car; Cabby-Info.com, KamzKreationz, VAG, VWoA, or anyone else are not responsible if anything goes wrong while you are working on, in and under your car!  
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