



N62 Secondary Air Cleaner

Part #: AGA-N62-SEC-AIR



Problem:

The airflow from the secondary air injection pump doesn't reach into the exhaust system because the system is blocked. Therefore, the O2 sensors before the catalytic converter don't register a dip in mixture which sets the code and results in the check engine light coming on.

Solution:

Using the AGA N62 Secondary Air Cleaner Kit.

Benefit:

This reduces an extremely expensive repair down to a fraction of the cost by using a very simple kit made by AGA Tools.



Parts Included in the Kit:

1	AGA Guide Tube w/Handle
1	Flex Cable w/Attachment
2	Brushes for Carbon Removal
1	Hand Brush for Carbon Cleaning
1	Funnel
1	Black Carrying Case

Replacement Parts Available:

AGA-N62-FLEX	Flex Cable with Attachment
AGA-N62-BRUSH	Replacement Brush for Carbon Removal (Quantity 2)
AGA-N62-H-BRUSH	Hand Brush for Carbon Cleaning

Air comes in from the secondary air injection pump, through the hose and into the hard line where it splits off. The air comes into the emissions control valve, (which is a one way valve) passes through the aluminum tube and into the cylinder head. This is where the restriction is that we are going to clean out. This repair can be done with the engine in the vehicle.

Before starting this repair, we highly recommend you watch the video on YouTube or on our website at www.agatools.com. These instructions are for experienced technicians only. Only an experienced technician should attempt this job.

Note: For demonstration purposes only the repair is shown with the engine out of the vehicle. However, it is not necessary to remove the engine from the vehicle to complete the repair.



Directions:



1. Remove emission control valve on the side/sides where you want to perform the cleaning. The plastic tube tends to stick to the valve, take care not to break the plastic tube during removal. Note: If your vehicle has over 100,000 miles as a rule we recommend replacing the valve during the cleaning because the diaphragm gets stiff and will also restrict the airflow into the cylinder head.



2. If you are reusing the emission valve, clean the exhaust side with carb cleaner and brush. Ensure the valve does not leak and that it opens in the direction of flow by blowing through it.

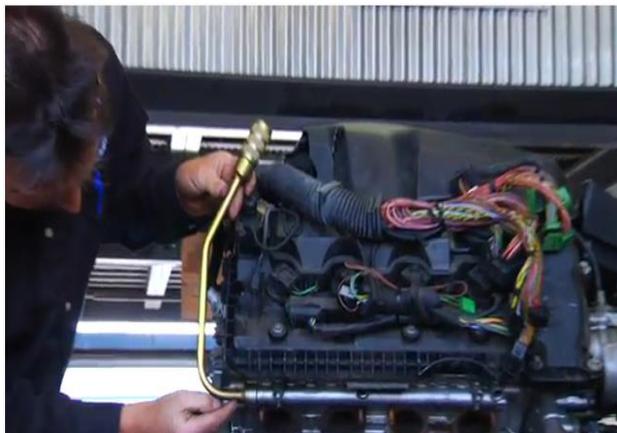




3. Clean aluminum tube from both sides with hand brush and carb cleaner until tube is clean, bend brush as needed. Note: After using the brush to clean the pipe out you will see how the carbon is removed from both ends and the part is much cleaner.



4. Clean hole in back of cylinder head. Insert tube in hole so O-ring is making a seal.





Note: Remove ignition coils and spark plugs from the bank you are working on, this is to prevent hydro locking the engine with cleaner fluid. Please remember to wear safety glasses.



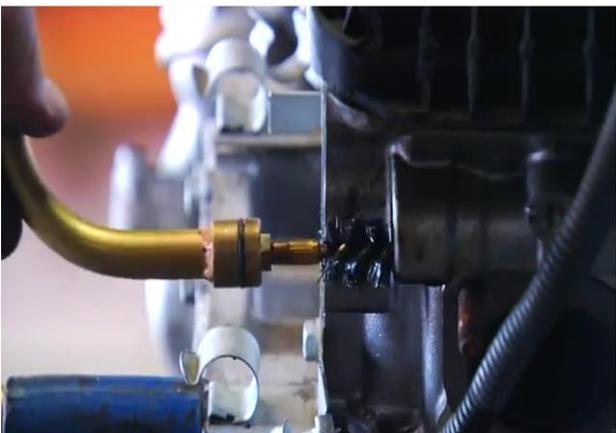
5. Insert funnel and fill with cleaner. On some cars the cleaner will sit in funnel, this depends on how plugged the system is. Repeat this step 2-3 times and allow cleaner to sit approx. 20-30 minutes each time.



6. Use air blower with rubber tip. Hold steel tube firmly into head, blow compressed air into steel tube. A popping noise may be heard from carbon plug in passages blowing out.

7. Install brush on cable and tighten. Insert cable with brush into AGA guide tube. Insert brush and tube into cylinder head.

8. Insert funnel into handle, spray cleaner into funnel. Connect drill to cable.



Note: Run drill clockwise ONLY. Counter clockwise can cause brush to loosen and fall off. Start cleaning passage; the funnel will help guide the cable.

After the cable is fully in, remove the funnel and continue cleaning until cable has reached the bottom. Spray more of the cleaner and continue cleaning for approx. 5 minutes. Remove AGA tube and cable.