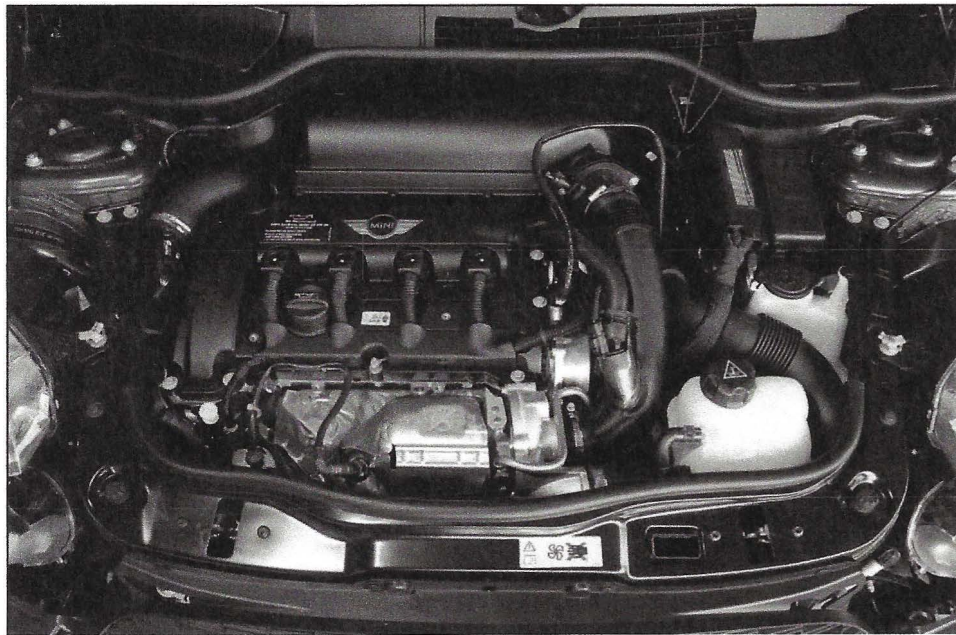


# Mini Cooper N14 Instructions

The configuration of the PCV systems in the pre 2012 N14 and post 2012 N18 are slightly different. We'll cover the N14 here in this step by step installation guide.

**N14** – First, hang your can after removing the plastic box indicated with an arrow in the image below. Once it is out of the way you will bolt the L bracket into the hole left behind and then to the clamp on the can.

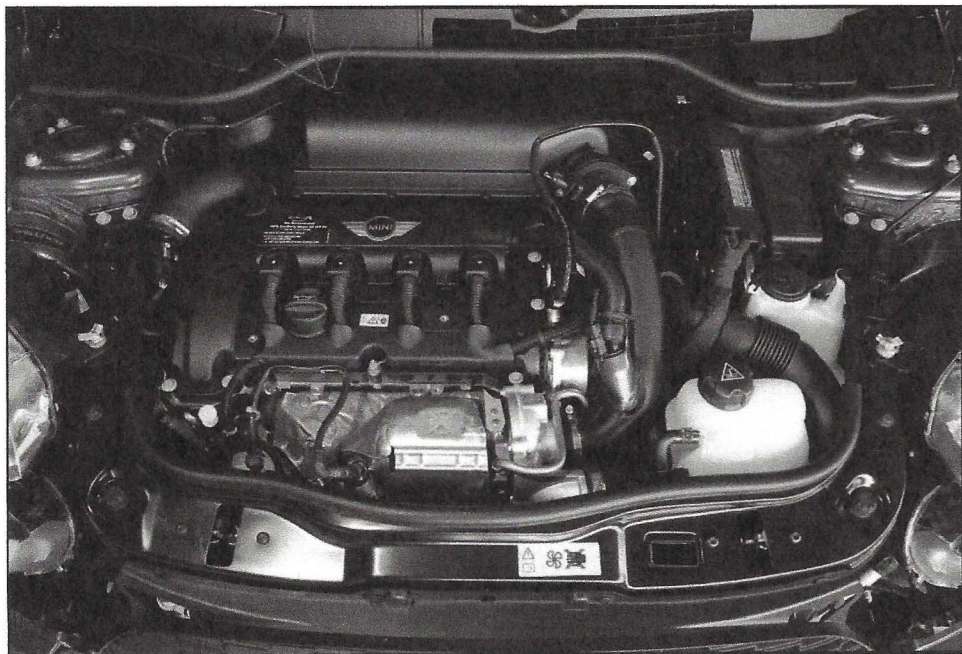


There are four adapters, stand them on end in the same direction as in the image below. The adapters from left to right are 1, 2, 3, 4.

- 1: Rocker cover passenger side
- 2: Turbo inlet tube
- 3: Intake manifold hose removed from rocker cover in the rear passenger side
- 4: Rocker cover drivers side



Next locate the intake manifold line in the rear of the passenger side of the rocker cover. Disconnect it and insert the #3 aluminum adapter into the end of the hose the #1 adapter in the cover where the hose was disconnected from.

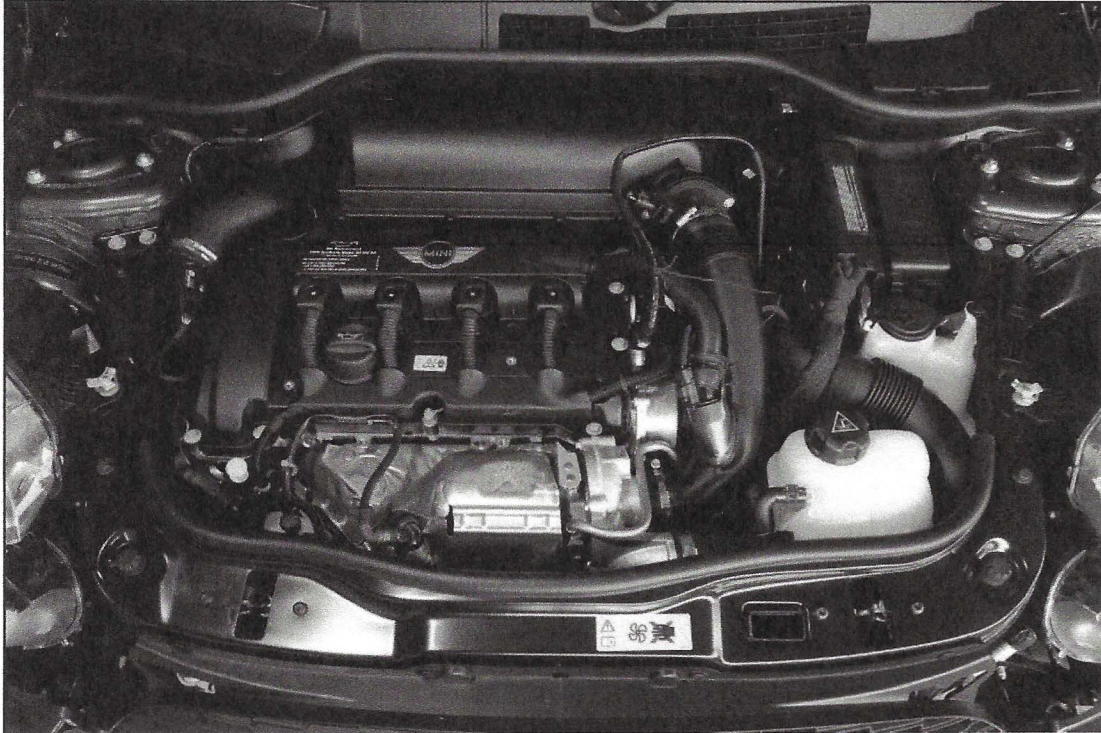




The hose removed from the passenger side rocker cover is your primary vacuum which will run to one of the outer fittings on the can with a one way check valve flowing away from the can.

The passenger valve cover connection will run to the center of the can (no check valve). This is the evacuation hose or "DIRTY IN" on the can. Just remember the inside fitting is the incoming and the two outer fittings are the outgoing recycled air return lines.

The third and final connection on the can is the secondary vacuum line or in-boost evacuation. It provides vacuum during acceleration. That connection is located here, see image below.



Just remove this hose and insert the #2 adapter into the inlet tube and run the hose to the other outside fitting on the can with a check valve flowing away from the can. That's it for the can connections.

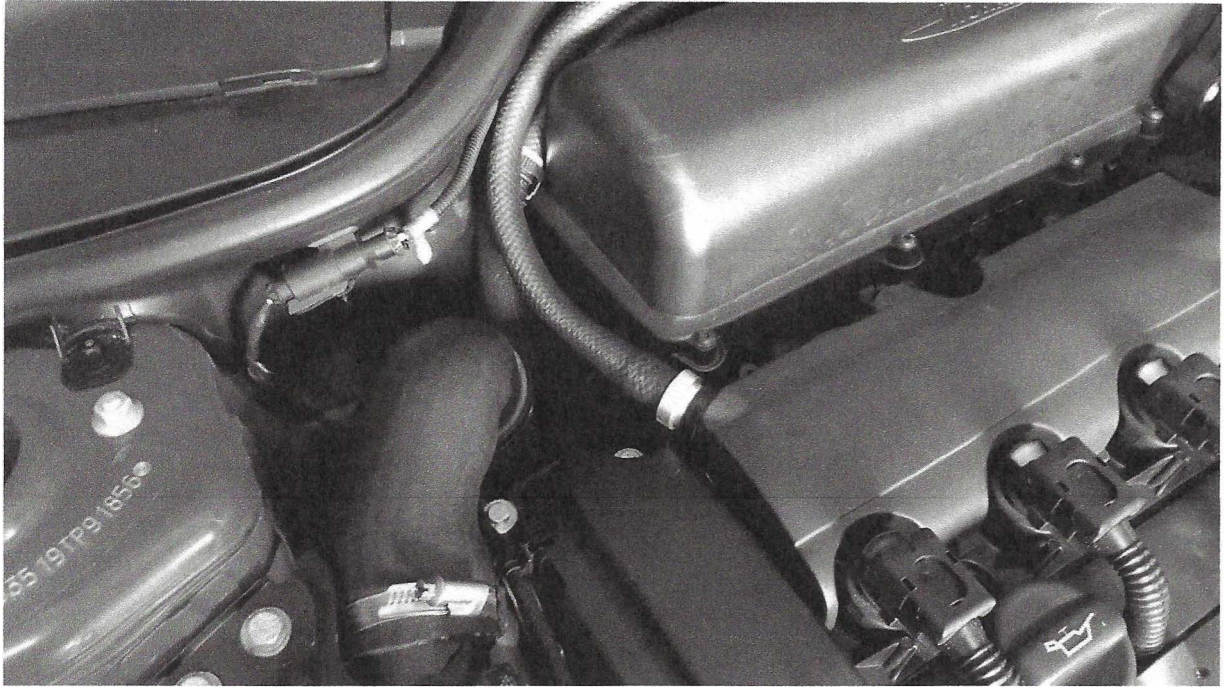
The Clean Side Solution will take place at the rocker cover on the drivers side, start by inserting the #4 adapter into the rocker cover.

Here's what's going to happen... you will attach a hose and add a tee to the end of it. Then you will add two more hoses to the tee each with their own one way check valve. One will flow out to the dirty PCV line which is the hose going from the back of the passenger side of the rocker cover and connecting to the middle fitting on the can. Simply cut the PCV line and add a tee to make this connection. The other hose coming from the tee will have a one way check valve flowing in from the line connected to the turbo inlet tube. This connection is made by cutting the hose running from the inlet tube to the can and inserting a tee.

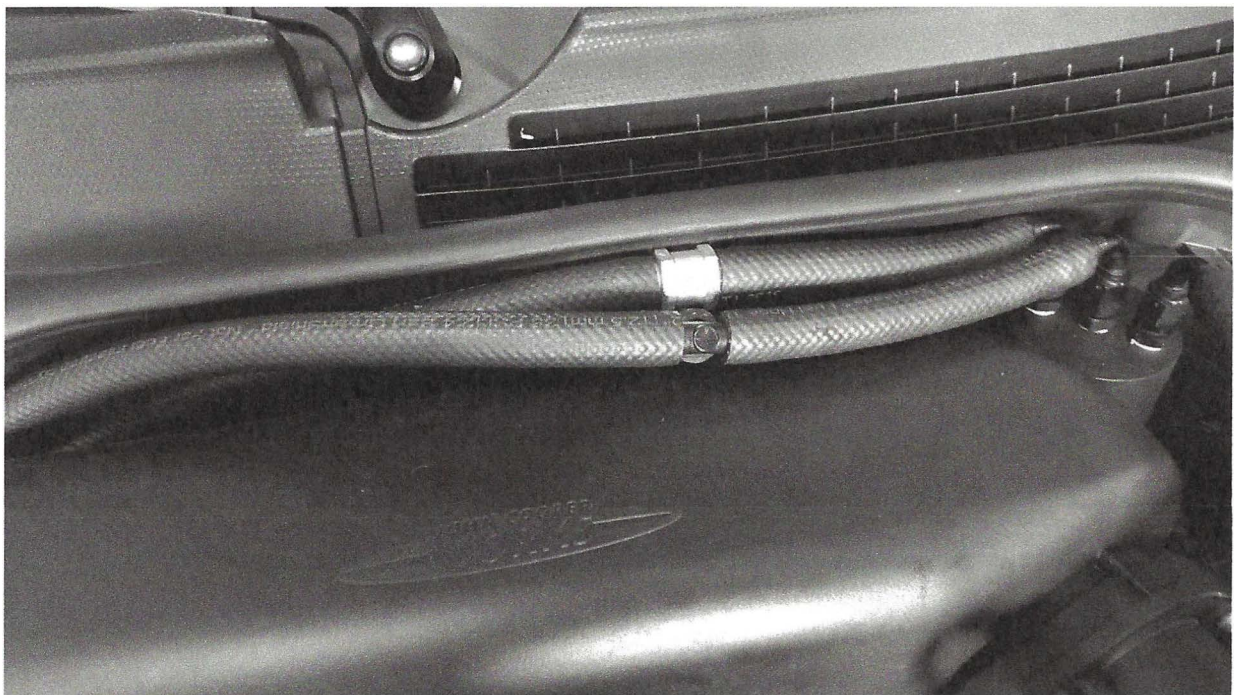
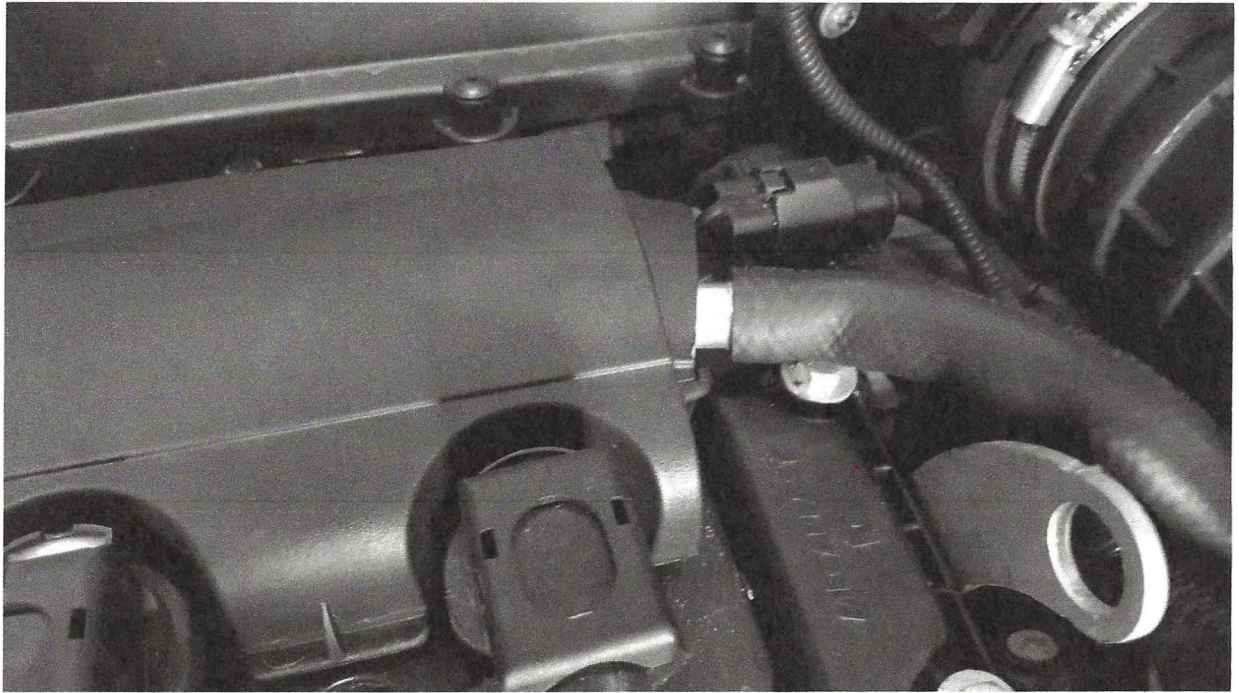
The Clean Side configuration works by allowing fresh air in and all dirty out to the can with a 0% chance of oil ingestion at the intake.



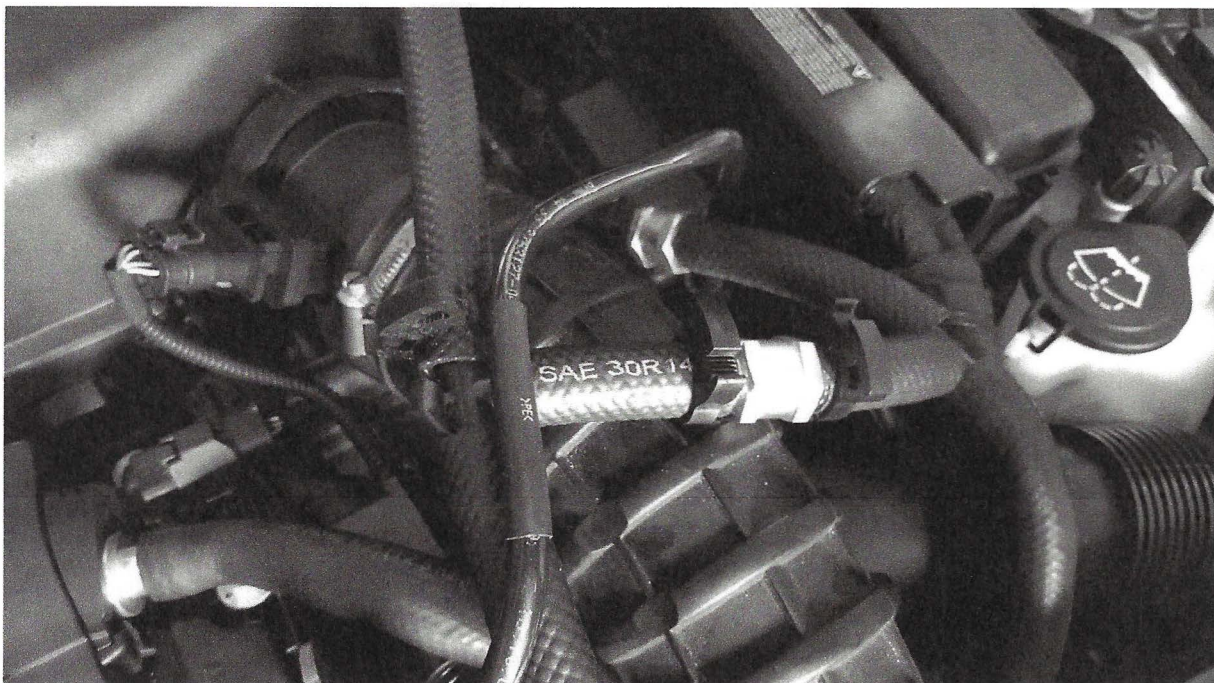
Below are images of the completed installation and a diagram.



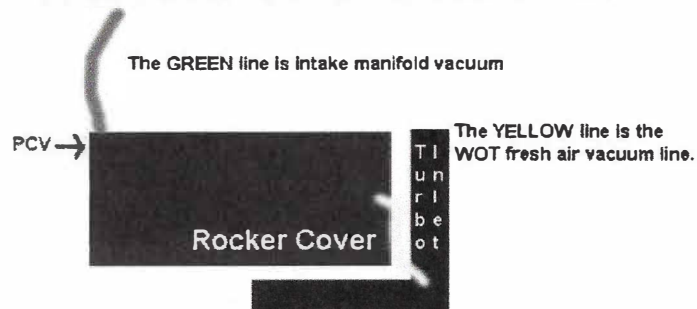




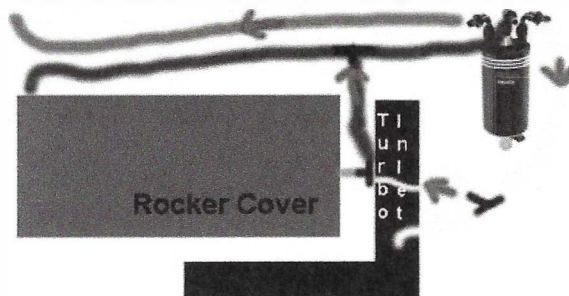




## FACTORY CONFIGURATION



## CATCH CAN CONFIGURATION



The GREEN and YELLOW lines are both recycled air return lines. These are your vacuum lines, GREEN is idle vacuum and YELLOW is the secondary WOT or Boost vacuum. The BLUE lines are the incoming dirty lines. The red arrows are one way check valves, the black tees represent the tee fittings.

