



## VQ35HR PCV DELETE KIT INSTALLATION INSTRUCTIONS

\*\*\*Please take all appropriate safety precautions when working on your vehicle\*\*\*

\*\*Please consult a qualified mechanic should you feel uncomfortable with performing the tasks listed\*\*

### **PARTS LIST:**

- (1ea.) EPS 8AN PCV Adapter Fitting
- (1ea.) 90 Degree 8AN>>1/2" Hose Barb Fitting
- (2ea.) 5/8" Silicone Vacuum Caps OR Aluminum Plugs (depending on what intakes you have)\*\*
- (1ea.) 3/8" Silicone Vacuum Cap
- (1ea.) 5/8" Breather Filter
- (1ea.) 1/2" Breather Filter
- (3ea.) M8 SS Washers

### **1) Removal of OEM PCV equipment:**

- a) Using Picture 1 as a reference, remove the items circled in red. This includes hoses 10 and 12, along with the two black plastic pieces labeled "X" that are attached to the intake tubes labeled 9 & 13. Hose 10 connects the two black plastic housings together while Hose 12 connects to the driver side valve cover. After these are removed install the two 5/8" silicone vacuum caps or aluminum plugs, depending on your intake design, on/in your intake tubes where these items were removed. Failure to do this will result in a vacuum leak. The caps can be cut down and/or zip-tied on if desired, but it is not required.
- b) Using Picture 2 as a reference, remove the hose labeled 10 that is circled in red. One end of the hose connects to the OEM PCV valve at point D on the passenger side valve cover. The other end of the hose attaches to hose barb C at the back of the intake manifold near point B. Once hose 10 is removed install the 3/8" silicone vacuum cap on hose barb C.
- c) Next remove the OEM PCV valve using a 23mm socket.

### **2) Installation of passenger side components:**

- a) Using Picture 3 as a reference, remove the two bolts located at positions D & E. The bolt at position D holds the fuel line down to the timing cover. The bolt at position E holds down an adjacent bracket used for engine harness routing that must be removed to lift the fuel line bracket up and out of the way. These bolts will be

utilized upon reinstall. Next, move the bracket held down by bolt E out of the way and lift the fuel line up out of the way, slightly.

- b) Lube the O-ring on the EPS 8AN PCV Adapter Fitting with residual engine oil from the hole in the valve cover or some Vaseline. Next, screw the adapter fitting into the hole on the valve cover labeled B by using a 7/8" 6-point socket, NOT a 12-point socket. A 12-point socket will damage the finish of the fitting upon installation if used. It is important to note that the adapter fitting seals by drawing the O-ring into the groove in the hole, NOT based upon how tight it is threaded into the hole! So don't run the fitting down until it's tight or you will have gone too far. The hex part of the fitting should be tightened down to be almost flush with the top of the valve cover. Be gentle with the fitting when wrenching to protect the finish, as harsh motions are more likely to scratch it.
- c) Install the 1/2" breather filter labeled A to the 90-degree adapter fitting labeled C off the car.
- d) Gently tighten the clamp to hold the filter in place. The filter and fitting are not under pressure so there is no need to over tighten the clamp. A snug fit is all that is needed.
- e) Gently thread the filter/fitting assembly onto the EPS PCV Adapter fitting at location B. If you do not have an 8AN aluminum wrench you can very carefully snug the 90-degree adapter fitting onto the PCV adapter fitting with a 7/8" wrench. It DOES NOT need to be tight, so just SNUG it!!! This will prevent you from damaging the soft aluminum fitting and its anodized finish with the harder steel wrench. Applying masking tape to the wrench may help protect the fitting.
- f) Place the 3 M8 SS washers between the timing cover and the fuel line bracket when re-installing bolt D. Then re-install bolt E with its associated bracket. There should be a very small amount of space between the fuel line and the rubber base of the filter. If it is just slightly touching, that is OK too. Proceed on to the driver's side.

### 3) Installation of driver side components:

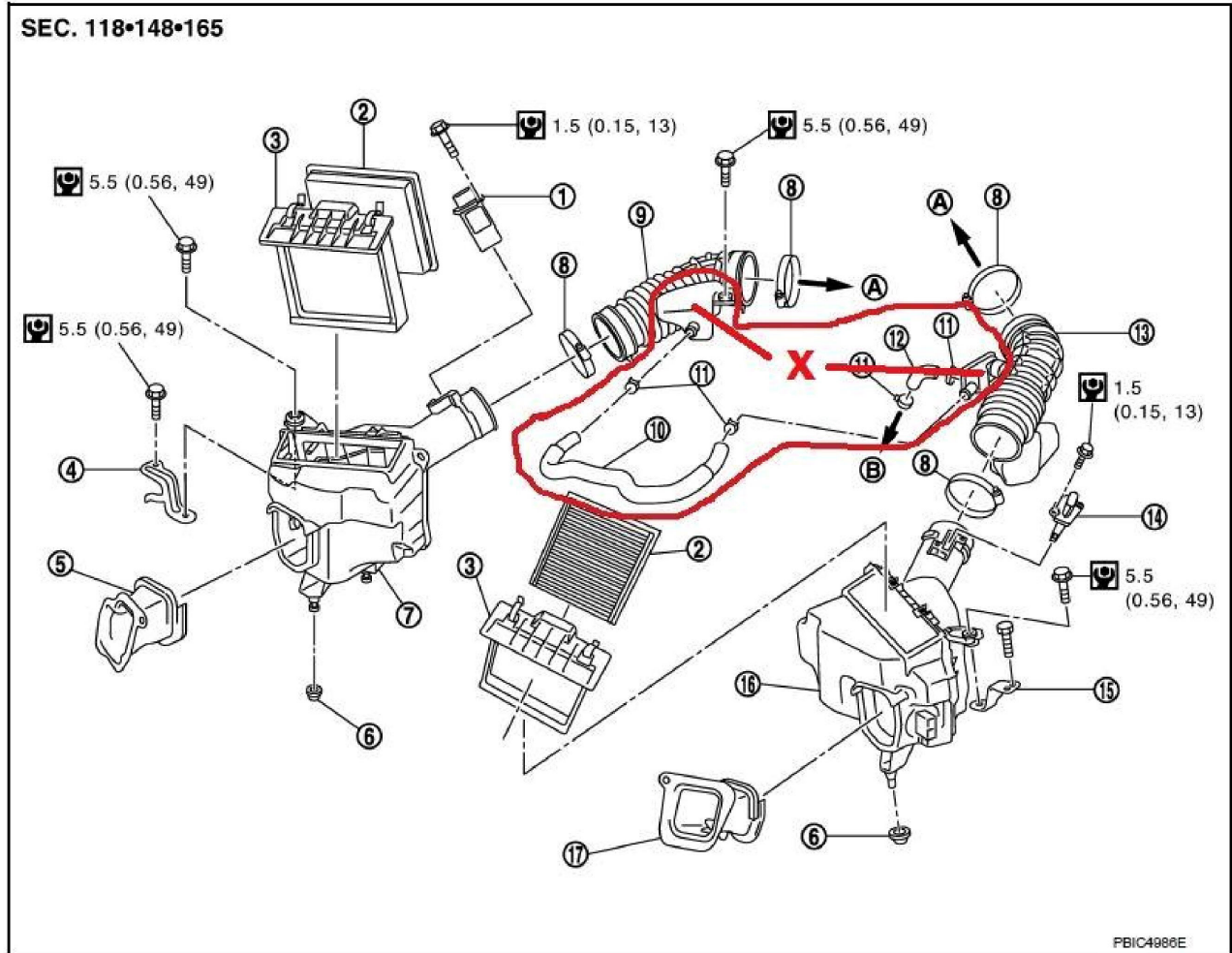
- a) Using the appropriate picture(s) from Picture Group 4 as a reference, install the 5/8" breather filter on the driver's side.
  - *VHR Upper Intake Swap On VQ35HR Note:* As can be seen, there is more clearance between the breather filter and the VHR manifold than there is the HR manifold.
- b) Gently tighten the clamp to hold the filter in place. This completes the installation of your EPS PCV Delete Kit. Now you can enjoy an oil-free intake tract!

#### **TIPS:**

- 1) How not to tear rubber base filters
  - a) If you ever intend to remove a filter from the fitting or valve cover, wrap your entire hand around the filter and grab it by the flat part of rubber base with your fingers, then pull. DO NOT PULL ON THE FILTER ITSELF, STRETCHING THE RUBBER BASE!!! It is just glued on there, you will most likely rip it off if you pull on it like that.
  - b) DO NOT OVERTIGHTEN THE CLAMPS!!! Just barely snug the clamps when installing. Only tighten enough to hold the filter in place. Anything more than that is too much. If you see rubber sticking out of the slits in the clamp then it is way, way too tight - loosen it!
- 2) Consider removing the passenger side intake tube for increased access to components on both sides. This probably won't help you much on the driver side so don't waste your time unless you deem it absolutely necessary.

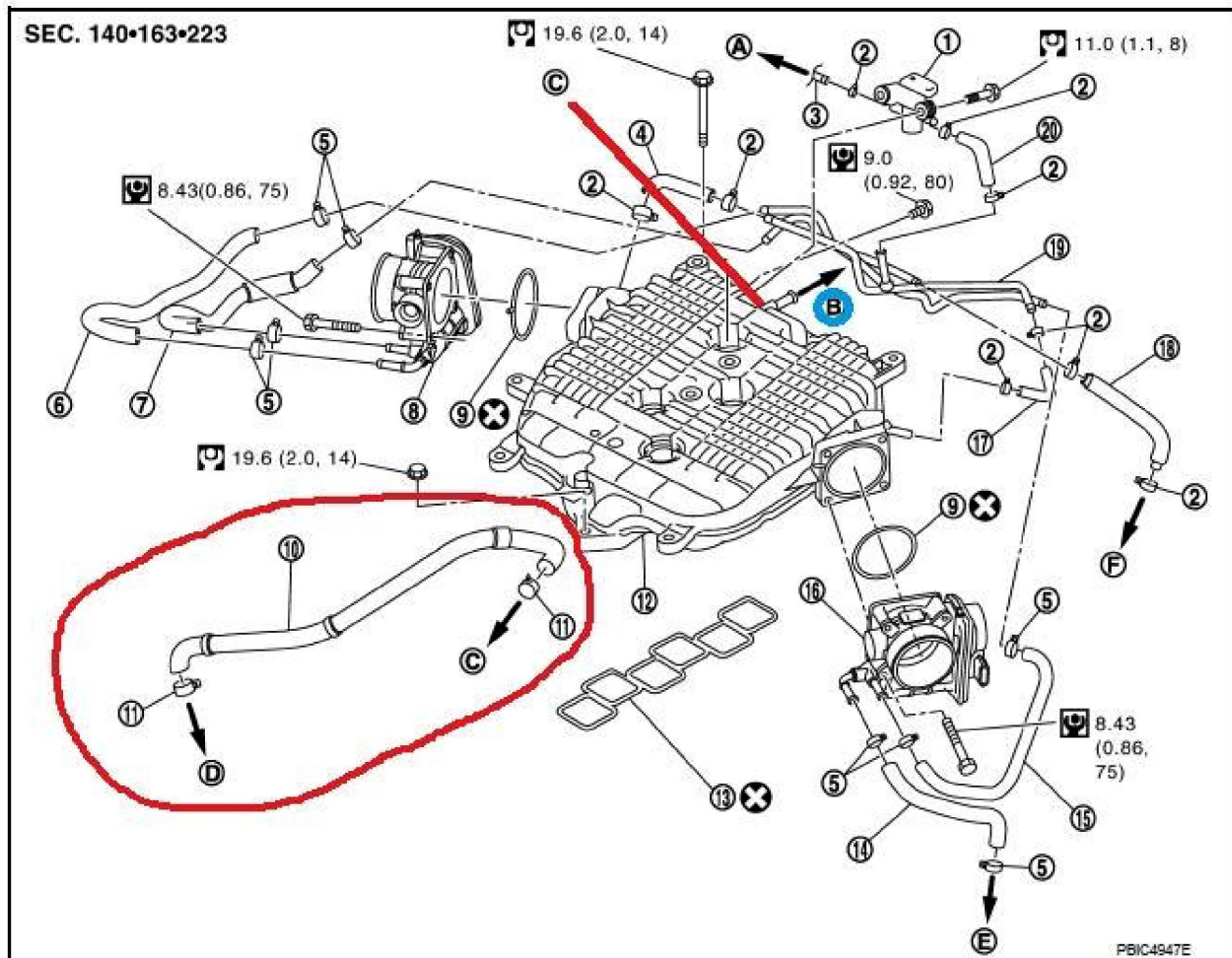
\*\*Admin Tuning dual 3" and other intake systems equipped with no PCV recirculation ports will not need to be plugged. If you mark that you have those intakes when you order, we will not include caps or plugs.

# Picture 1



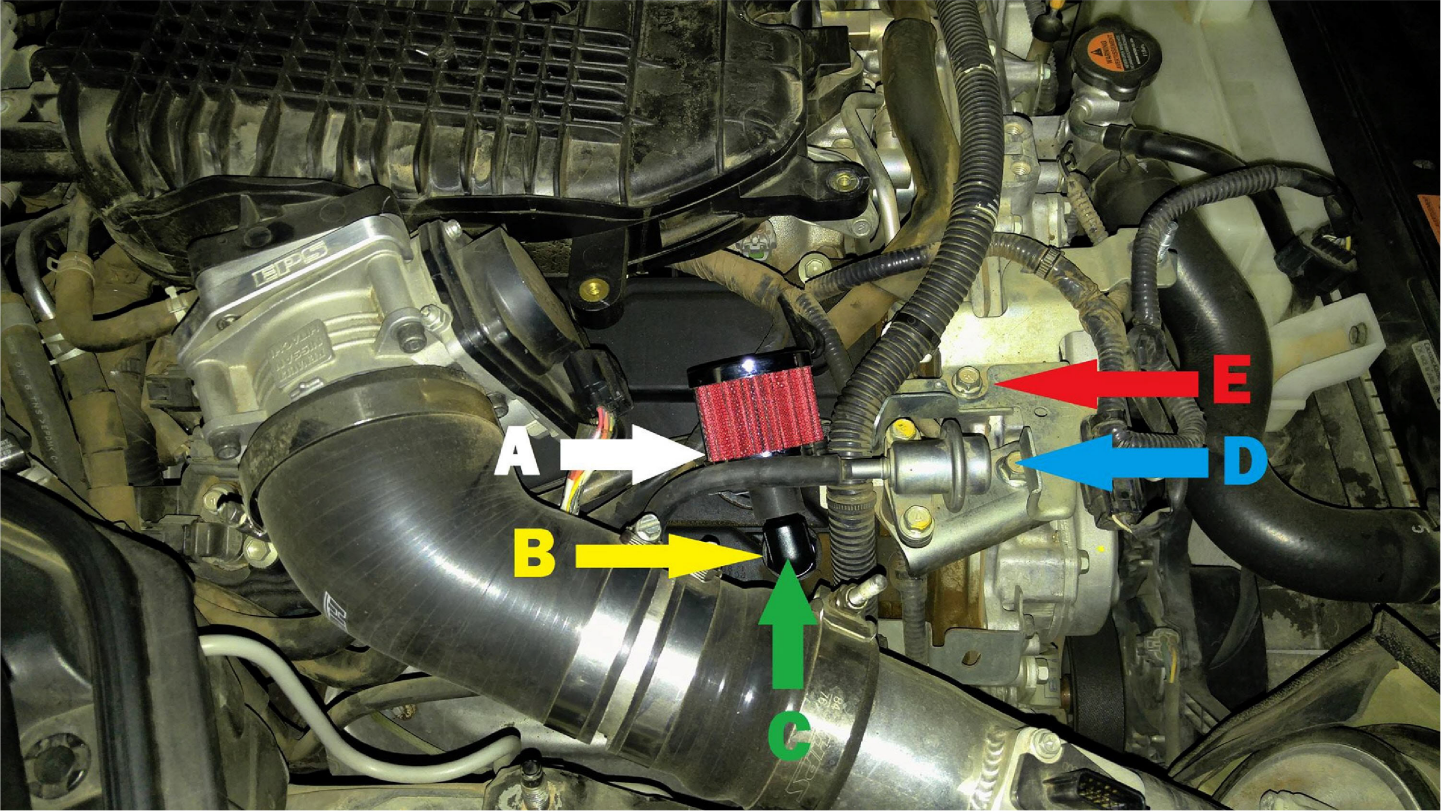
- |  |                               |                  |
|--|-------------------------------|------------------|
| 1. Mass air flow sensor (RH)             | 2. Air cleaner filter         | 3. Holder        |
| 4. Bracket                               | 5. Air duct (inlet)           | 6. Grommet       |
| 7. Air cleaner case (RH)                 | 8. Clamp                      | 9. Air duct (RH) |
| 10. Air hose                             | 11. Clamp                     | 12. PCV hose     |
| 13. Air duct (LH)                        | 14. Mass air flow sensor (LH) | 15. Bracket      |
| 16. Air cleaner case (LH)                | 17. Air duct (inlet)          |                  |
| A. To electric throttle control actuator | B. To rocker cover (bank 2)   |                  |

## Picture 2



- |   |  |                                 |
|---|--|---------------------------------|
| 1. EVAP canister purge control solenoid valve   | 2. Clamp                                       | 3. EVAP hose                    |
| 4. EVAP hose                                    | 5. Clamp                                       | 6. Water hose                   |
| 7. Water hose                                   | 8. Electric throttle control actuator (bank 1) | 9. Gasket                       |
| 10. PCV hose                                    | 11. Clamp                                      | 12. Intake manifold collector   |
| 13. Gasket                                      | 14. Water hose                                 | 15. Water hose                  |
| 16. Electric throttle control actuator (bank 2) | 17. EVAP hose                                  | 18. Water hose                  |
| 19. EVAP tube assembly                          | 20. EVAP hose                                  |                                 |
| A. To vacuum pipe                               | B. To brake booster                            | C. To intake manifold collector |
| D. To PCV valve                                 | E. To heater pipe                              | F. To water outlet (rear)       |

Picture 3



Picture Group 4



