



Equipped with AEM® *Dryflow™* Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 22-544

2002-2006 NISSAN Sentra SE-R Spec-V L4-2.5L C.A.R.B. E.O. # D-670

PARTS LIST

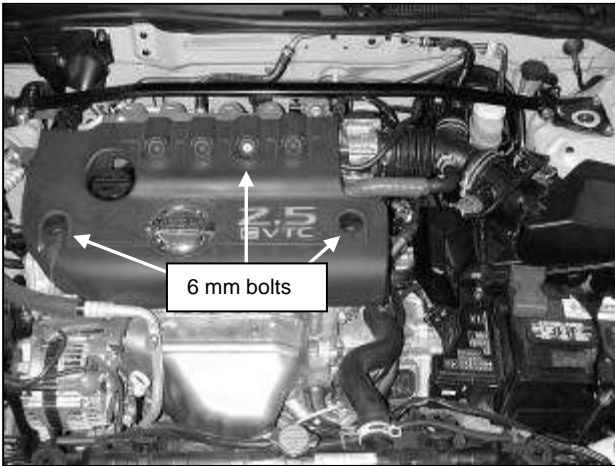
Description	Qty.	Part Number
Element Parts Kit 3.00 X 5" Dry Ele.	1	21-203DK
Short Pipe	1	2-5441
Hose, Adapter 2.75/3.00 X 3" Bl.	1	5-273
Hose, Silicone 3.00x2" Black	1	5-302
Stand, Aluminum	1	2-670
Vacuum Cap, 5/16	1	8-130
Bracket	1	7-7379
Bolt, Hex M6-1 X 25mm	1	1-2044
Bolt, Hex 1/4-20 X 1 3/4	1	1-2072
Washer, M6 X 12mm OD Zinc	2	1-3018
Washer, 6mm Soft Mount	1	559999
Nut, 1/4-20	1	1-2073
Nut, 1/4-20 Nylock	1	1-2074
Nut, M6 Hex Serrated	1	444.460.04
Hose Clamp, 3/4"	1	4093-5
1/2" Bnd. Hose Clamp, 2.56"-3.50"	1	9448
1/2" Bnd. Hose Clamp, 2.90"-3.75"	4	9452
Adapter, MAF Nissan	1	2-641

Read and understand these instructions **BEFORE** attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

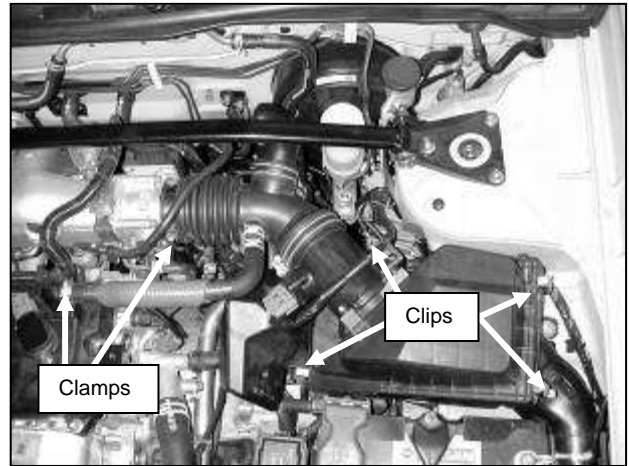
1. Preparing Vehicle

- a. Make sure vehicle is parked on level surface.
- b. Set parking brake.
- c. If engine has run in the past two hours, let it cool down.
- d. Disconnect negative battery terminal.
- e. Do not discard stock components after removal of the factory system.

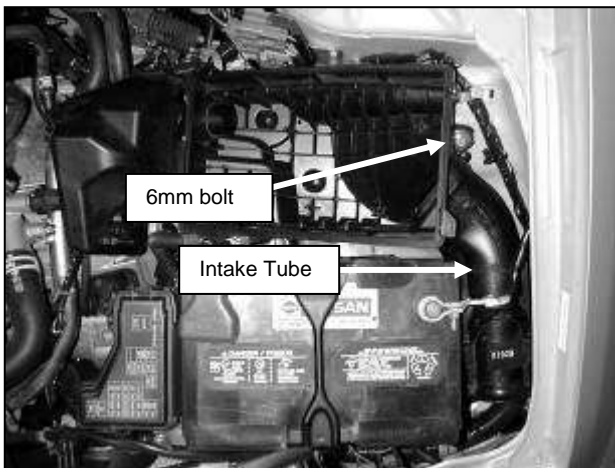
2. Removal of stock system



a. Loosen the three 6mm bolts on the engine cover and remove it.



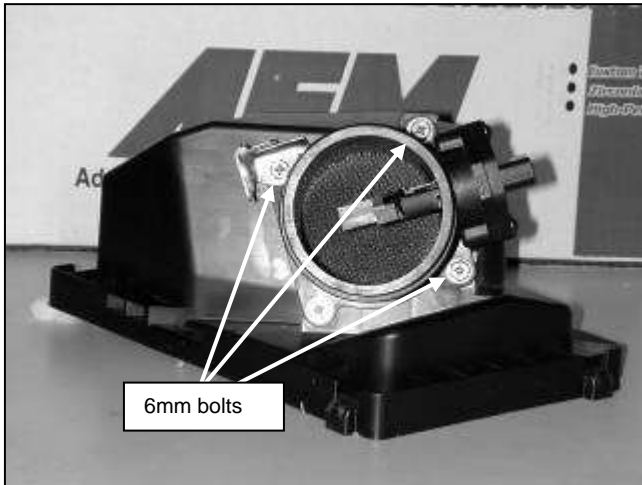
b. Loosen the air filter tube hose clamps, air cleaner lid clips and then remove the air filter lid and intake hose assembly.
Manual transmission vehicles: Disconnect the transmission breather line.



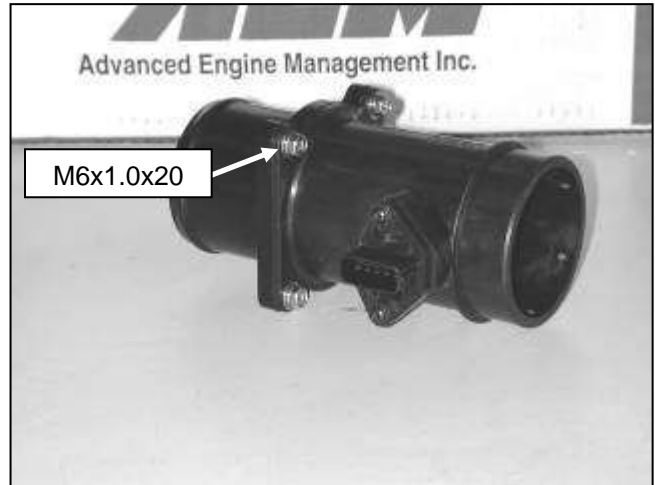
c. Loosen the 6mm air cleaner hold down bolt, and remove the air cleaner assembly and intake tube.

3. Installation of AEM® intake system.

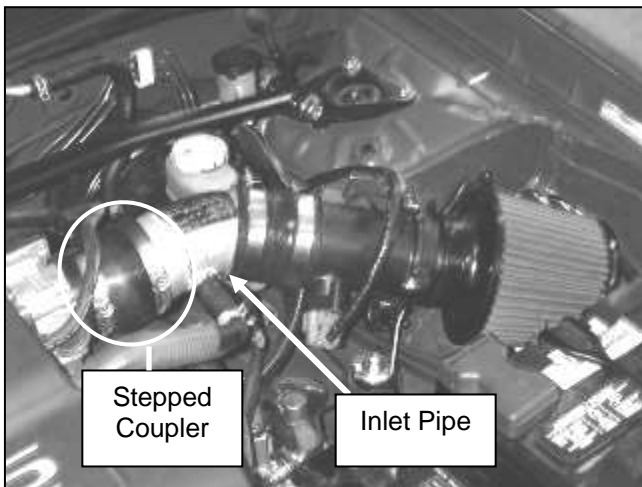
- a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



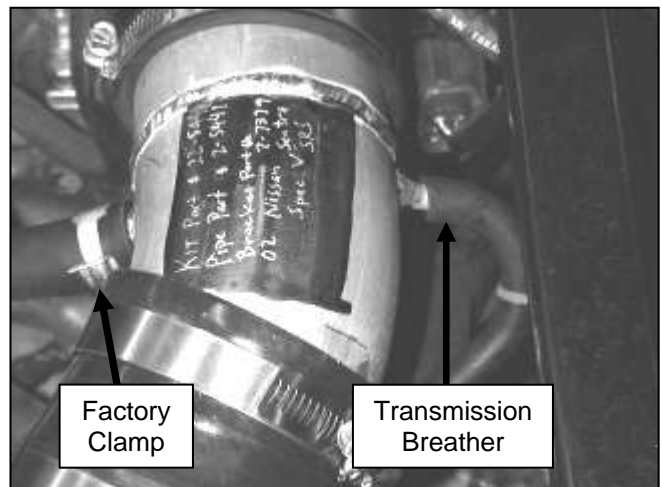
- b. Loosen the four 6mm bolts, and remove the MAF sensor from the air cleaner lid.



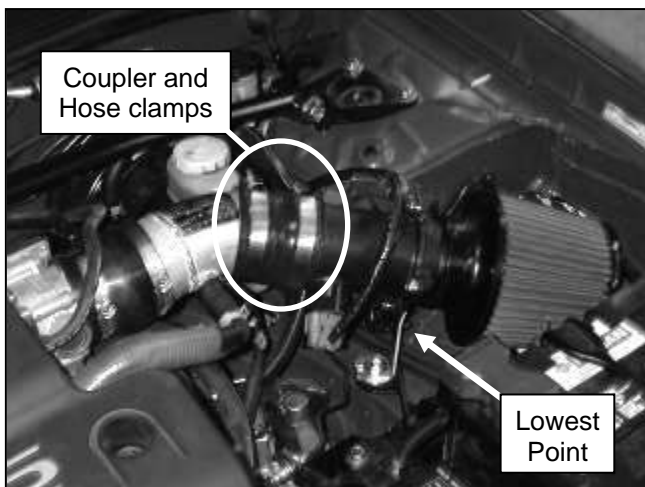
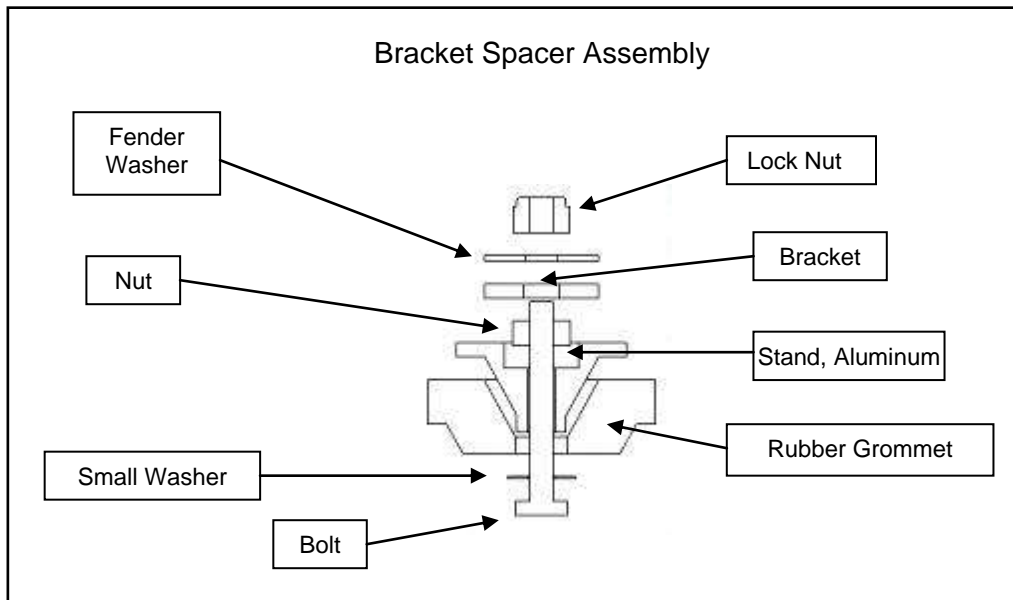
- c. Install the included MAF adaptor onto the sensor using only 3 of the 4 factory bolts from step 3b. Install the M6x1.0x20 bolt in location specified in the image above.



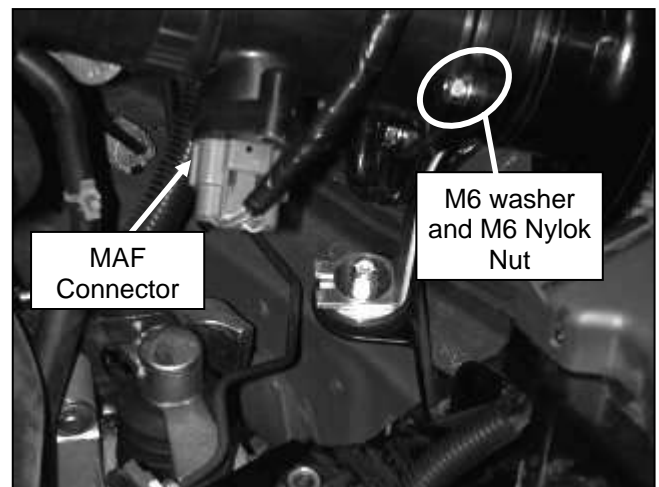
- d. Attach stepped coupler to throttle body with provided hose clamps. Attach inlet pipe. Note hose clamp sizes are different.



- e. Attach factory crank case breather tube with factory clamp. Attach transmission breather hose to the fitting on the firewall side of the pipe. Manual transmission cars will have to attach the hose to the pipe if not, put the vacuum cap included in the kit on to the nipple.



f. Attach the MAF assembly with the coupler and hose clamps. Make sure the M6x1.0x20 bolt is at the lowest point. The flow arrow on the MAF should point towards the throttle body. Attach the air filter assembly and secure.



g. Refer to the bracket spacer assembly diagram. There are 2 rubber grommets left by the factory air box. Use the firewall side grommet. Assemble the bolt, small washer, rubber grommet, aluminum stand and nut as illustrated in the diagram. Secure this assembly by inserting the rubber grommet into the exposed hole in the vehicle body. The bracket will be secured to the bracket spacer assembly and the M6x1.0x20 bolt installed on the MAF adaptor (Step 3c). Secure the bracket to the bracket spacer assembly with the M6 washer and M6 serrated nut. Clip the MAF wiring harness connector back into the MAF assembly.

4. Reassemble Vehicle

- a. **Engine Cover:** Install the engine cover removed in step 2a.
- b. Position the inlet pipes for the best fitment. Be sure that the pipes or any other components do not contact any part of the vehicle. Tighten the rubber mount, all bolts, and hose clamps.
- c. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- d. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- e. Reconnect negative battery terminals and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

5. CARB Sticker Placement

- a. The C.A.R.B. exemption sticker, (attached), must be visible under the hood so that an emissions inspector can see it when the vehicle is required to be tested for emissions. California requires testing every two years, other states may vary.

6. Service and Maintenance

- a. It is recommended that you service your AEM[®] Dryflow[™] filter every 20,000 miles for optimum performance. Use AEM Dryflow cleaning kit part # 21-110.
- b. Use aluminum polish to clean your polished AEM[®] intake tube.
- c. Use window cleaner to clean your powder coated AEM[®] intake tube. **(NOTE: DO NOT USE aluminum polish on powder coated AEM intake tubes).**