

PWJDM Honda S2000 (model year 2006-2008) Dry Carbon PowerChamber/ColdAirChamber/RamAir Intake System

Make: Password:JDM

Part Number: PWCIK-APX-C10 or PWCIK-APX-K10 (all carbon or carbon & kevlar)

Installation Guide

This install will take 2-3 hours depending on how familiar you are with your car.

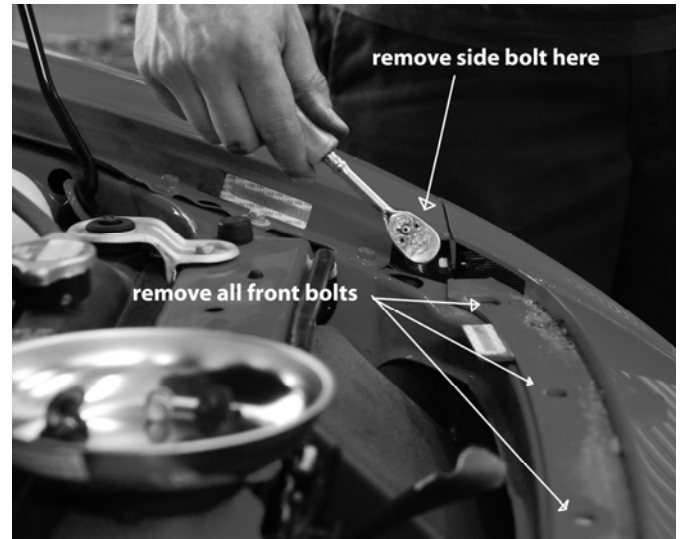
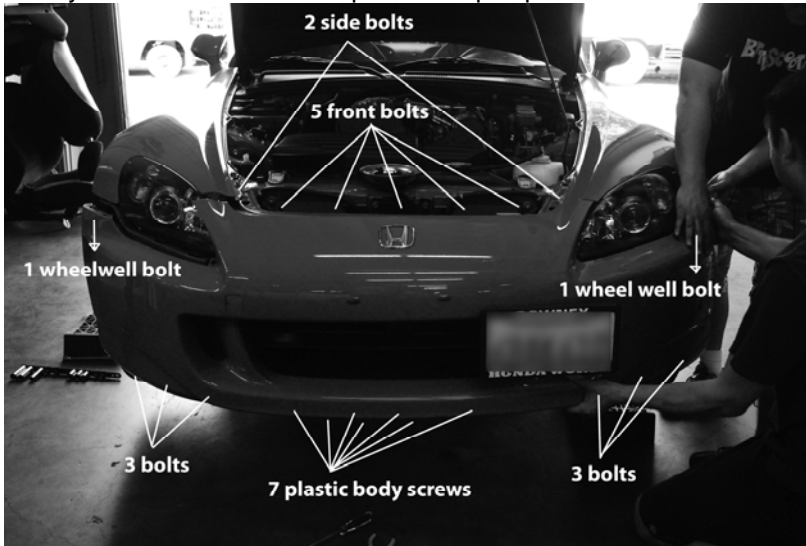
**We recommend you use a medium strength threadlock like Permatex Blue on all the bolts in this kit. Otherwise they will work loose over time.

Before Installation, double check to make sure you have all these components.

ITEM#	QTY	COMPONENT DESCRIPTION
1	1	PWJDM carbon RamAir scoop
2	1	PWJDM carbon ColdAirChamber lower body
3	1	PWJDM carbon ColdAirChamber lid
4	1	PWJDM carbon PowerChamber
5	1	K&N Filter (RU-4740)
6	9	M4x12 stainless steel button head bolt
7	2	M6x14 Flange head bolt (mounts bracket to snorkel)
8	2	M6x40 Flat head bolt (45 degree head) (secures snorkel)
9	2	M6x14 Button head bolt (secures ColdAirChamber)
10	2	PW Fender Washer (beveled) (secures snorkel)
11	2	Aluminum Spacer .75Lx.5ODx.25ID (secures snorkel)
12	2	Zipties ~8"
13	1	Hose 12"Long x 3/8"ID (Valve Cover Breather)
14	1	Gasket 6.75", (ColdAirChamber Lid)
15	1	Gasket 10.5", (ColdAirChamber)
16	1	Rubber Reducer Coupler 70 to 84mm ID (PowerChamber to intake manifold)
17	1	Hose Clamp 3.75" Diameter (PowerChamber to intake manifold)
18	1	Hose Clamp 3.25" Diameter (PowerChamber to intake manifold)
19	2	Flat bracket 3"Lx0.75"W with adjustable groove (secures snorkel)
20	1	Aluminum 10mm to 10mm Bung Connector
21	1	Rubber Nipple Grommet (9mmID, 20mmOD, 10.2mm Short)
22	1	Rubber Nipple Grommet (9mmID, 20mmOD, 18.2mm Long)
24	1	Install manual

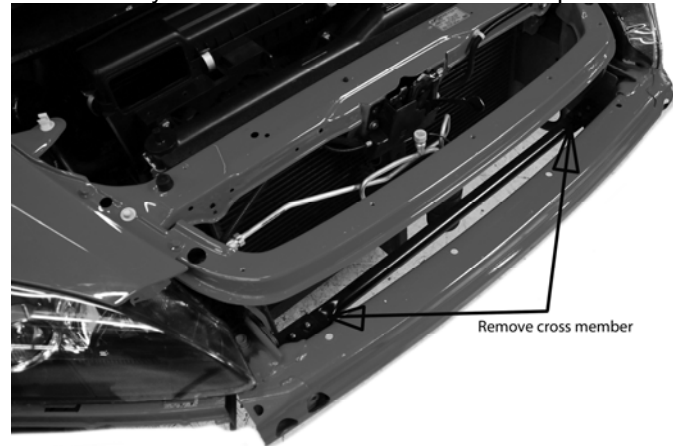
1. Remove front bumper, air cover and black cross member

a. To remove the bumper you need to remove the 7 bolts in the engine bay, 1 bolt in each wheel well, and all the bolts and fasteners underneath that connect it to the undertray. Once all fasteners are removed you can pull out the bumper. It's helpful to undo one side at a time by pushing down on the bumper in front of the headlight and simultaneously pulling the wheel well area directly forward with about 20 pounds of pull pressure.



b. Remove the plastic cover located in front of the radiator. This can be thrown out.

c. Remove the black steel cross tube located in front of the radiator so you don't scratch the RamAir scoop later.

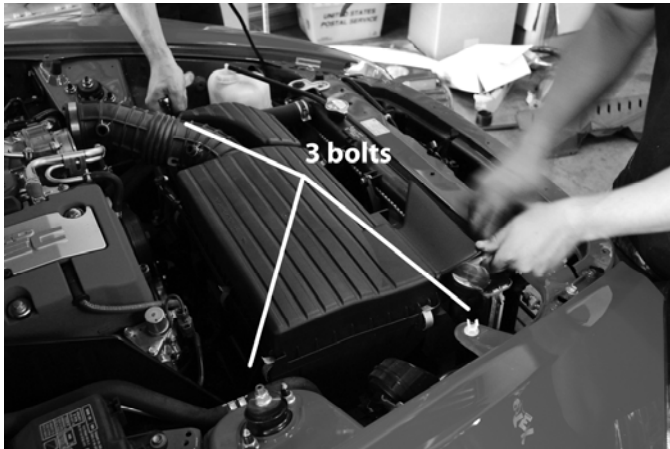


2. Stock airbox removal

a. Remove the valve cover breather tube

b. Remove the air sensor from the stock intake and unsecure its two plastic wire mounts from the airbox assembly.

c. Remove the 3 bolts that secure the airbox to the frame of the S2000 and then remove the assembly.



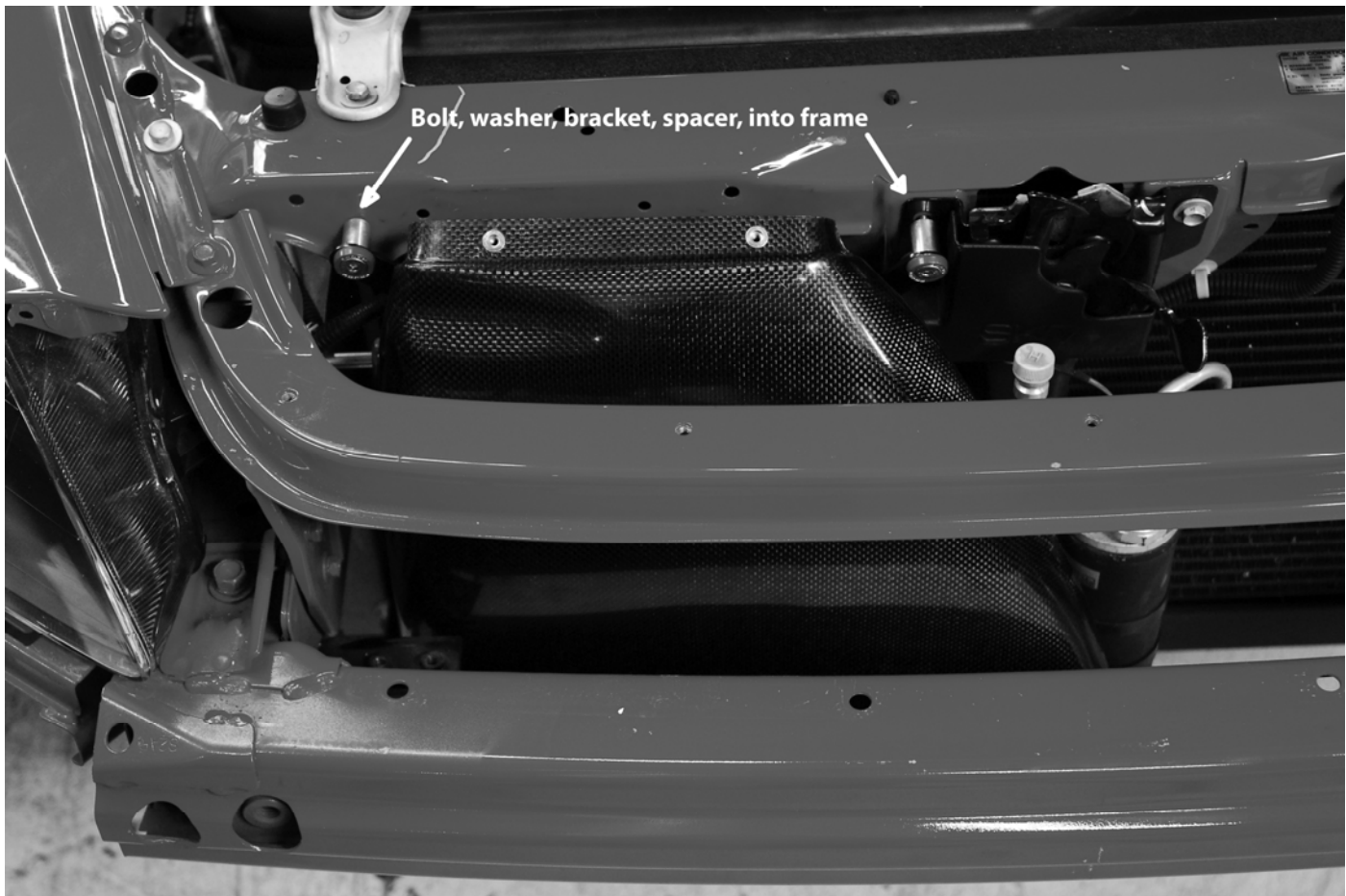
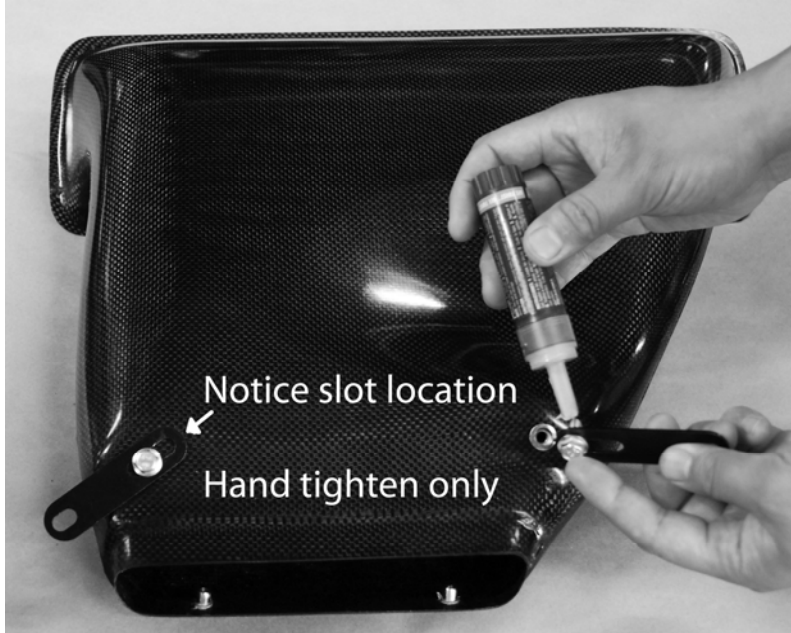
4. Mount the RamAir scoop in the car.

a. Bolt two flat brackets onto the rear of the scoop using two M6x20 flange head bolts. Hand tighten the bolts for now so the scoop can be adjusted in the car.

b. Remove the top left bolt of the hood latch and the flange bolt located left of the hood latch. (scoop mounts to these locations)

c. For each bracket, thread an M6x35 flat socket cap (angled head) bolt through a PWJDM washer, then through a bracket, then through the aluminum spacer, and finally into the frame of the car. Don't forget to apply threadlock to the bolts.

****Do NOT fully tighten the bolts yet, the RamAir will need to be adjusted later.**



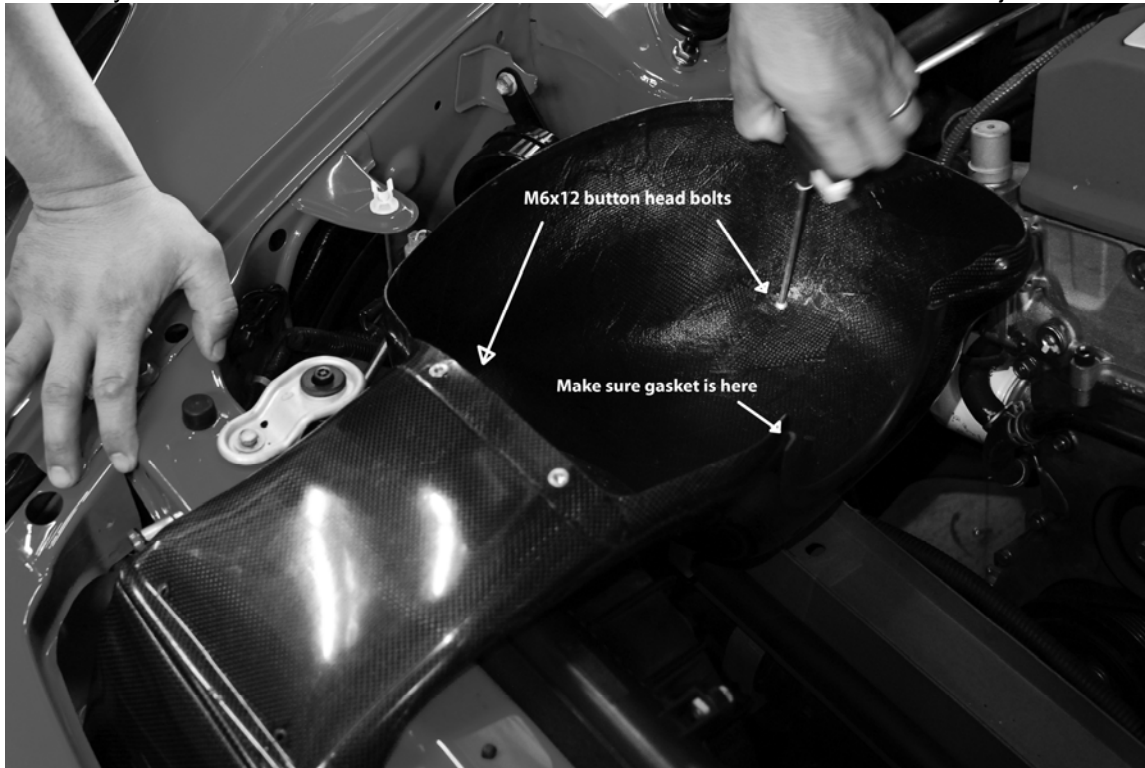
5. Relocate Horn and VTEC module

- Move the VTEC sensor to a new bolt hole as pictured below, this allows the ColdAirChamber to fit.
- You will need to reposition the horn. Loosen the bracket, and rotate the horn a little so the ColdAirChamber fits.



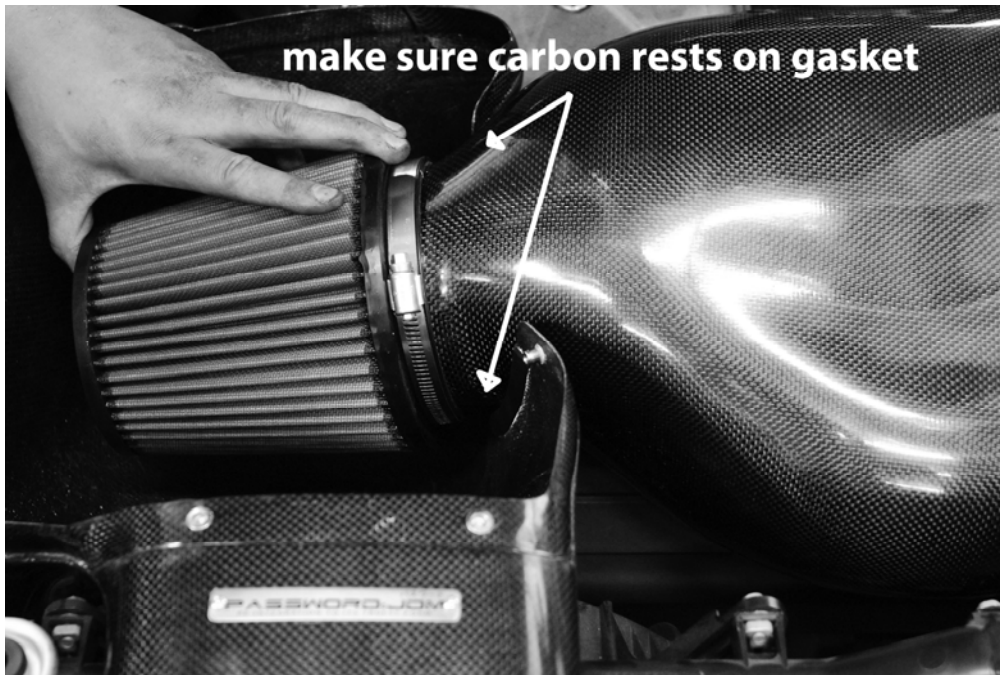
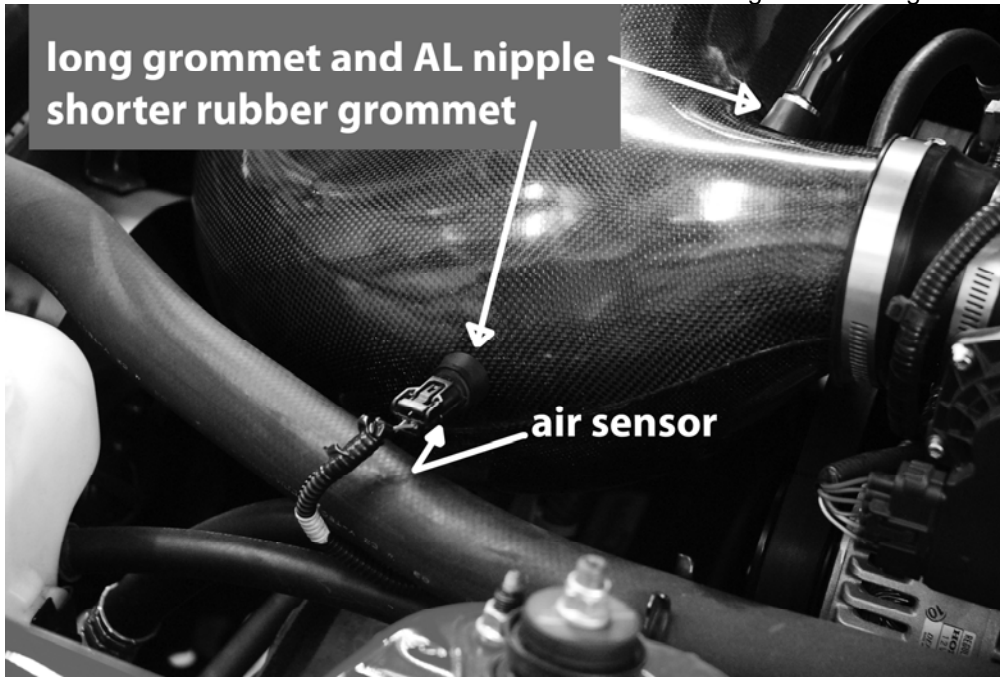
6. Install ColdAirChamber

- Loosely attach the RamAir scoop to the ColdAirChamber with M4x10 button head screws.
- Loosely bolt in the ColdAirChamber with M6x12 button head bolts. This will be adjusted with the RamAir scoop later.



7. Install PowerChamber

- Install the longer rubber grommet to the inner hole on the PowerChamber and then insert the aluminum nipple into it. The valve cover breather hose goes here later.
- Install the shorter rubber grommet into the hole on the outer side of the PowerChamber. The air sensor goes here later.
- Install the reducer hose coupler with a 3.75" hoseclamp to the PowerChamber that will connect it to the intake manifold.
- Install the air filter to the PowerChamber with the longest hose clamp but do not tighten yet. You do not need to oil the filter right now, it is pre-oiled. Wash and oil the filter only after it gets dirty and/or you detect a loss in performance.
- Install the PowerChamber to the intake manifold and rotate it down into the ColdAirChamber. Do not tighten the hose clamps yet.
- Make sure the PowerChamber rests on the ColdAirChamber gasket then tighten the air filter hose clamp.

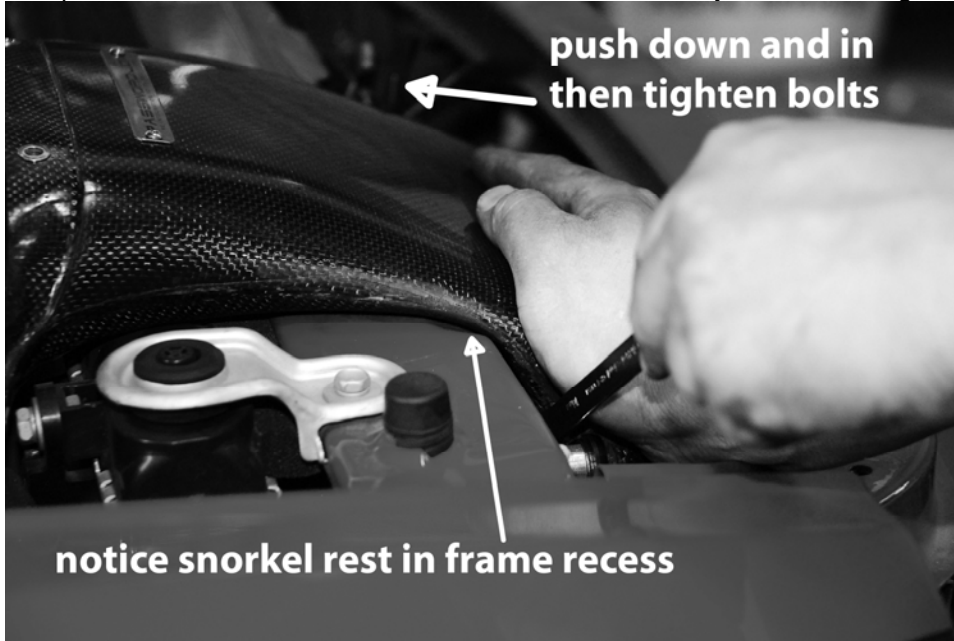


- Now connect the new breather tube to the inner aluminum nipple on the PowerChamber.
- Insert the stock air sensor into the rubber grommet on the outer side of the PowerChamber.
- Use the zipties to keep the air sensor wiring from dangling.

Do not install the lid until later; we need to adjust the snorkel first.

8. Adjust and secure RamAir scoop (see below pic)

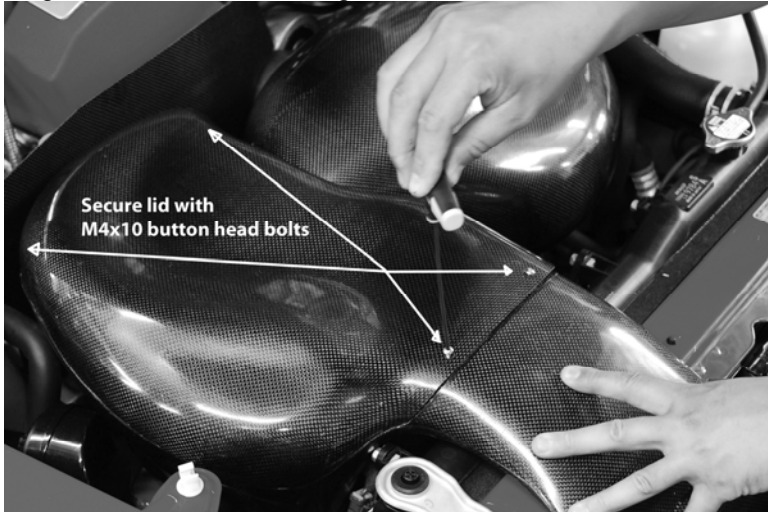
- Press down on the ColdAirChamber's snorkel so it fully rests on the frame of the S2000. It should rest in the recess located on the car's frame.
- While holding down the snorkel, tighten the flange bolts on the back of the scoop bracket with an open ended wrench. If the scoop doesn't rest on the frame, the hood will not close and you risk cracking the carbon if you drop the hood on it.



- Now tighten the scoop bracket bolts to the frame.
- Lower the hood and make sure it locks shut. If you are having trouble, you may need to lower the stock rubber hood bumpers located next to the radiator brackets and/or you may need to raise the actual hood lock. You can unbolt the hood lock and adjust it upwards a little to grab the hood.
- Tighten the remaining hose clamps.

9. Closing the ColdAirChamber

- Now that the hood closes shut, you can tighten down the two bolts holding the bottom of the ColdAirChamber to the frame.
- Install the lid of the ColdAirChamber with M4x10 button head bolts. Make sure the lid gasket is there against the PowerChamber.
- Tighten the bolts connecting the ColdAirChamber to the RamAir scoop.



10. Finally

- Re-install the foam, black steel cross member, and bumper from step 1.
- Take a picture so you can show friends that you are an installation master and you have a sweet car Drive on!