



Honda S2000 Oil Cooler Installation instructions



SUPPLIES/TOOLS YOU WILL NEED:

- Grease (to ensure seal of fittings)
- 4mm Allen Wrench
- 8mm socket
- 10mm socket
- 12mm socket
- 1" socket
- 10mm open-ended wrench
- 12mm open-ended wrench
- 1" open-ended wrench
- Philips Screwdriver
- Plenty of new oil (probably between 6 and 7qt), and new Oil Filter
- Optional: Zip ties to secure lines

NOTE:

Please read through the instructions before you begin to familiarize yourself with the installation.

Preparation

1. Safely place your car on jack stands, ramps, or a lift. Please follow all safety procedures for securely raising the front of the car.
2. Remove the brown 15A “FUEL PUMP SRS” fuse in the under-dash fuse box.
(Once the oil cooler installation is complete, this will allow you to crank the motor without starting, in order to circulate oil through the entire system, and top off the oil after air is pulled out of the lines.)
3. Drain your oil as normal. Keep the oil pan handy for emptying any existing lines, coolers, or to catch any drips during installation.
4. Remove front bumper.
 - a. Remove the five black bolts holding on the black stiffener behind the upper edge of the front bumper (Phillips screwdriver)
 - b. Remove the two bolts fastening the bumper to the fenders on either side, see photo on the right (10mm socket)
 - c. Remove the nine bolts fastening the bumper to the fender liners and front under-tray (10mm socket)
 - d. Remove the screw on the side of each wheel well just under the line between bumper and fender (8mm socket)
 - e. Pull the bumper off by disengaging it from the four hooks under the headlights and the two hooks under the fenders; just gently tug on each side of the bumper until it releases, don't force it.
 - f. The foam bumper support may fall off, this just sits on the front bumper beam with two round stubs.
5. Remove the plastic radiator shroud shown in the picture below.



Installation of SBG Oil Coolers & Mounts

1. There are three brackets for each cooler. A long 'C' shaped bracket, a small 'L' shaped top bracket, and a short, stubby 'C' shaped bracket. The long 'C' shaped bracket slots into the side of the oil cooler, with the flat long side towards the rear of the car.
2. The short 'C' shaped bracket bolts on to the long 'C' shaped bracket.



3. The 'L' shaped bracket is bolted on to the chassis on the upper passenger side of the radiator opening, as shown.



4. Install the 'C' shaped brackets on to the cooler, as seen below, and then install the cooler in the car by bolting the rear bracket to the chassis and the passenger side top bracket to the cooler. Once you've got all the bolts in place, tighten all of them down securely.



5. Install the oil cooler fittings:
 - a. Unscrew the caps on top of the oil cooler.
 - b. Fill the oil cooler to near-capacity with fresh oil.
 - c. Install the supplied straight -10 fittings to both ports on the cooler using a 1" wrench. Ensure the O-ring on each fitting is in place, and apply a dab of grease or oil to the O-rings. **HAND THREAD** the fittings on (Do NOT cross thread the fittings!). Tighten down the fittings enough to compress the O-ring, and lock the fitting in place.
 NOTE: It's tempting to crank down really hard on the large nut, but remember these are made of aluminum. Do not over-tighten!

Install Sandwich Plate and Oil Lines

1. Install the sandwich plate where the oil filter went. Make sure to tighten everything down securely using the 1" socket. Aim the oil ports towards the front of the car. Install the supplied -10 straight fittings into the sandwich plate.



NOTE: Before tightening any of the line fittings be sure you put a few drops of oil on the threads. Also, make sure you first thread the fittings BY HAND for a few turns before using a wrench so that you do not cross-thread the fittings.

2. Install the longer oil line on the upper port on the sandwich plate. This line has two 90-degree fittings on it. Install the shorter oil line on the lower port. This line has one 90-degree fitting and one 45-degree fitting.



3. Route the lines up, around the airbox, and down past the radiator on the driver's right-hand side.



4. Connect the shorter oil line (45-degree fitting) to the oil cooler fitting on the driver's right, and the longer oil line (90-degree) fitting to the fitting on the left.



5. (Optional Hose Clamps) Included in your kit are two optional Adel clamps. Use these to fasten the hoses in place, away from the chassis. They can be attached anywhere you desire, however we recommend using the included spacers as shown.



Priming the Oil System and Safety Checks

1. If you have not done so already, replace the oil filter.
2. Add 6 quarts of oil through the filler neck as usual.
3. With the fuel pump fuse removed, re-install the battery and crank the motor for 10-15 seconds, let the motor sit for 10 seconds, then crank again for another 10-15 seconds.
4. Check the dipstick level. The oil level should be low after pulling the air out of the cooler lines and filling them with oil. Add oil to filler neck and repeat step 3 until the oil level no longer drops.
5. Re-install the fuel pump fuse.
6. Start the car, wait for the engine to reach operating temperature, and check every junction for leaking oil. Once you have verified that there are no leaks, shut down the car.
7. Reinstall radiator shroud and bumper, as well as under tray, battery, etc... For the bumper, installation is the reverse of removal.

Congratulations! You are finished with the installation

For any questions/comments please feel free to contact us, we're happy to hear from you!

Web: sakebombgarage.com
 Email: info@sakebombgarage.com
 Facebook: facebook.com/sakebombgarage