



## FK8 Oil Cooler Kit Install Guide

*Installation Notes: Before attempting installation, please read the entire manual and refer to our SiriMoto Oil Cooler Kit Install Video for the 10<sup>th</sup> Generation Honda Civic 1.5t. The mounting location of the oil cooler core, along with fastener/take-off torque specs, will be similar if not identical. The overall installation concept will be the same, so familiarizing yourself with this video will be of great help.*

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IMPORTANT SAFETY DISCLAIMER: When working on your car, always follow proper safety procedures. This includes, but is not limited to, letting your car cool down, using the correct tools and protection, jacking/lifting your car correctly, and in general being careful about what you are doing. If you do not feel confident doing something, do not attempt it! Instead, have someone else with more experience try or hire a professional. SiriMoto (and any reseller) cannot be held responsible for any incidental or direct damages, injuries, or additional costs caused by installing any of the parts in this kit.

PART NUMBER	DESCRIPTION/CONTENTS	QUANTITY
<b>SM-OCC-19R-10A</b>	<b>19 Row Oil Cooler Core</b>	<b>1</b>
<b>SM-H20-OPF-10A</b>	<b>Oil Filter Pedestal (Honda)</b>	<b>1</b>
	1/8" NPT Plug	3
	M6 Hex Head Bolts	2
<b>SM-H20-OFT-10A</b>	<b>Oil Filter Take-Off (Honda)</b>	<b>1</b>
	-10 AN Thread Adapter	1
	24mm Crush Washer (Aluminum)	1
	O-Ring (64mm x 3mm)	1
<b>SM-HC17-FK8-OCK-NT</b>	<b>FK8 Oil Cooler Install Kit</b>	<b>1</b>
	Hose Assembly	3
	Oil Cooler Core Bracket (Upper)	1
	Oil Cooler Core Bracket (Lower)	2
	Pedestal Bracket w/ M10 Washer	1
	-10 AN Male to -10 AN ORB Adapter	3
	M6 Hex Head Bolt (10mm Length)	4
	M6 Hex Nut	4
	M6 Washer	4
	SiriMoto Baysavers Washer	4
	M5 Flat Head Hex Screw	4
	M5 Rubber Expanding Nut	4
	Threadlocker (Blue)	1
	Zip-Ties (8")	10
	3mm Ball-End Hex Key	1
	-10 AN Aluminum Wrench	1

***OPTIONAL PARTS***

<b>SM-3AN-125M-125F</b>	<b>Pressure Sensor Install Kit</b>	<b>1</b>
	-3 AN SS Braided Hose (18" Length)	1
	-3 AN Male to 1/8" NPT Female Adapter	1
	-3 AN Male to 1/8" NPT Male Adapter	1
<b>WIX57356XP</b>	<b>WIX XP Oil Filter - Civic / PLM Style</b>	<b>1</b>

***RECOMMENDED TOOLS/SUPPLIES***

<b>ENGINE OIL</b>	Recommended 3 qts.
<b>OIL FILTER</b>	
<b>30MM SOCKET</b>	For Oil Filter Take-Off Thread Adapter
<b>NON-MARRING PRY TOOLS</b>	
<b>OIL FILTER REMOVAL TOOL</b>	
<b>SOCKETS &amp; WRENCHES</b>	Ranging from 10mm to 14mm
<b>SOCKET EXTENSIONS</b>	
<b>TORQUE WRENCH</b>	
<b>CUTTING BLADE / SHEARS</b>	
<b>SCREWDRIVERS</b>	Flat Head and Phillips Head
<b>3/16" HEX KEY</b>	For NPT Port Plugs (Oil Filter Pedestal)
<b>TEFLON TAPE / THREAD SEALANT</b>	

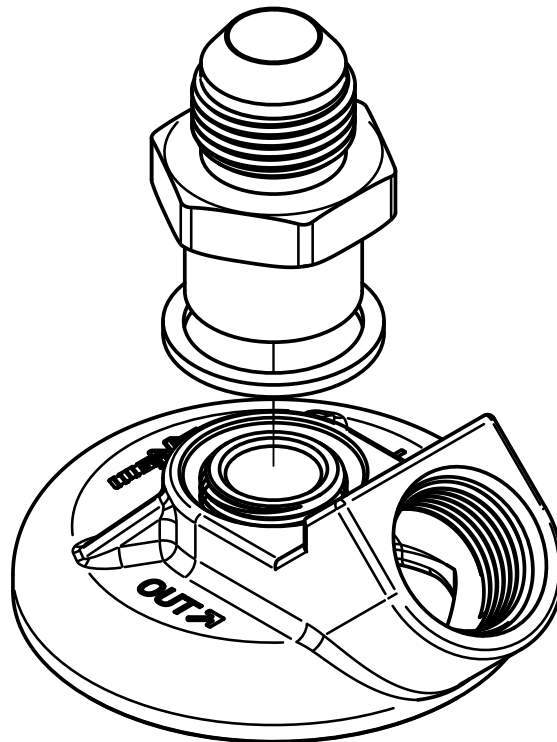
**I. Installation****a. Under Cover & Front Bumper Removal**

1. Disconnect the Negative Battery Terminal and securely raise the vehicle with a lift or jack stands.
2. Take off the Aluminum Undercover by removing the 2x Phillips Head Screws and 6x Slotted Head Fasteners, then proceed by sliding the cover towards the rear of the car to un-hook it from the retainers.
3. Remove the Plastic Undercover (located between the Front Bumper and Aluminum Undercover) that is held down by 3x Push Clips, 2x 5mm Socket Head Bolts and 2x Phillips Head Screws.
4. Remove the Front Grill Cover, which consists of 10x Push Clips, and 5x Push Pins for the air intake grommet.
5. Remove the Hood Seal by undoing 11x Push Pins.
6. Remove 6x Phillips Head Screws found at the wheel arches to the front of the tires, and 10x Push Clips running along the bottom of the bumper.
7. Release the hooks holding the Grill Extensions/Eyebrows.

8. Pull the front bumper at the wheel arch area to release it from retaining hooks that run along where it meets the fender.
9. Carefully pry on the 3x Retention Hooks under the Headlights, as you pull the front bumper forward at the wheel arch.
10. Disconnect the Fog Light Harness and remove the Front Bumper.

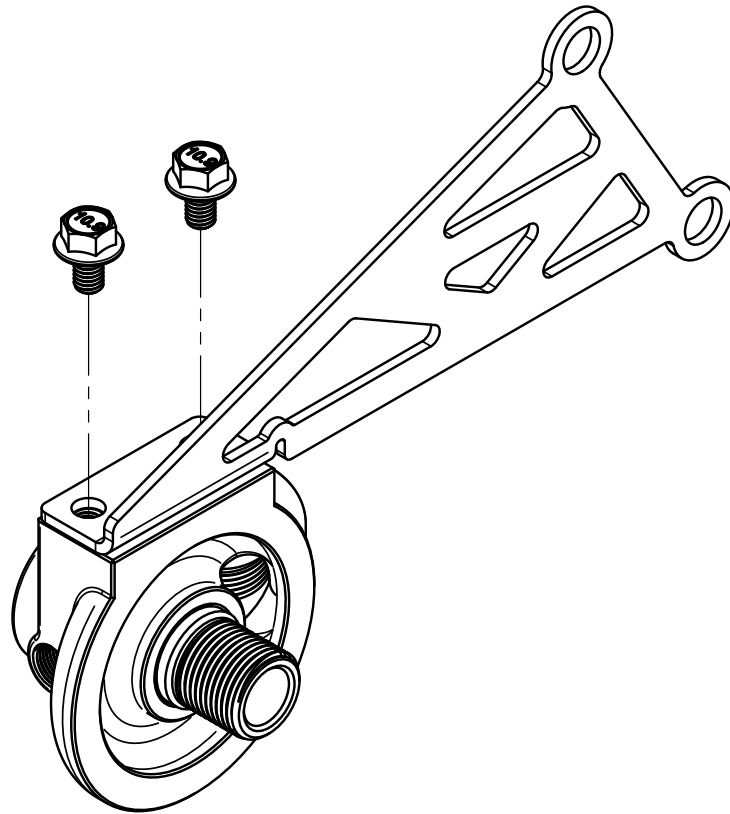
**b. Installing the Oil Filter Take-Off**

1. Prepare the Oil Filter Take-Off by installing a -10 AN Male to -10 AN ORB Adapter. Apply a light coat of engine oil to the O-Ring and thread the Adapter onto the 'Out' Port. Use the -10 AN Aluminum Wrench to tighten.
2. Remove the engine oil filter and install the Oil Filter Take-Off by first applying a light coat of fresh engine oil on the O-Ring. Place the Take-Off Body onto the oil filter location, making sure to orient the "Out" port towards the Passenger-Front Corner of the car.
3. Screw on the -10 AN Thread Adapter onto the factory oil filter thread holder **by hand**, making sure to use the 24mm Crush Washer (*this will be torqued to 25lb/ft in Section 'e', Step '5'*).

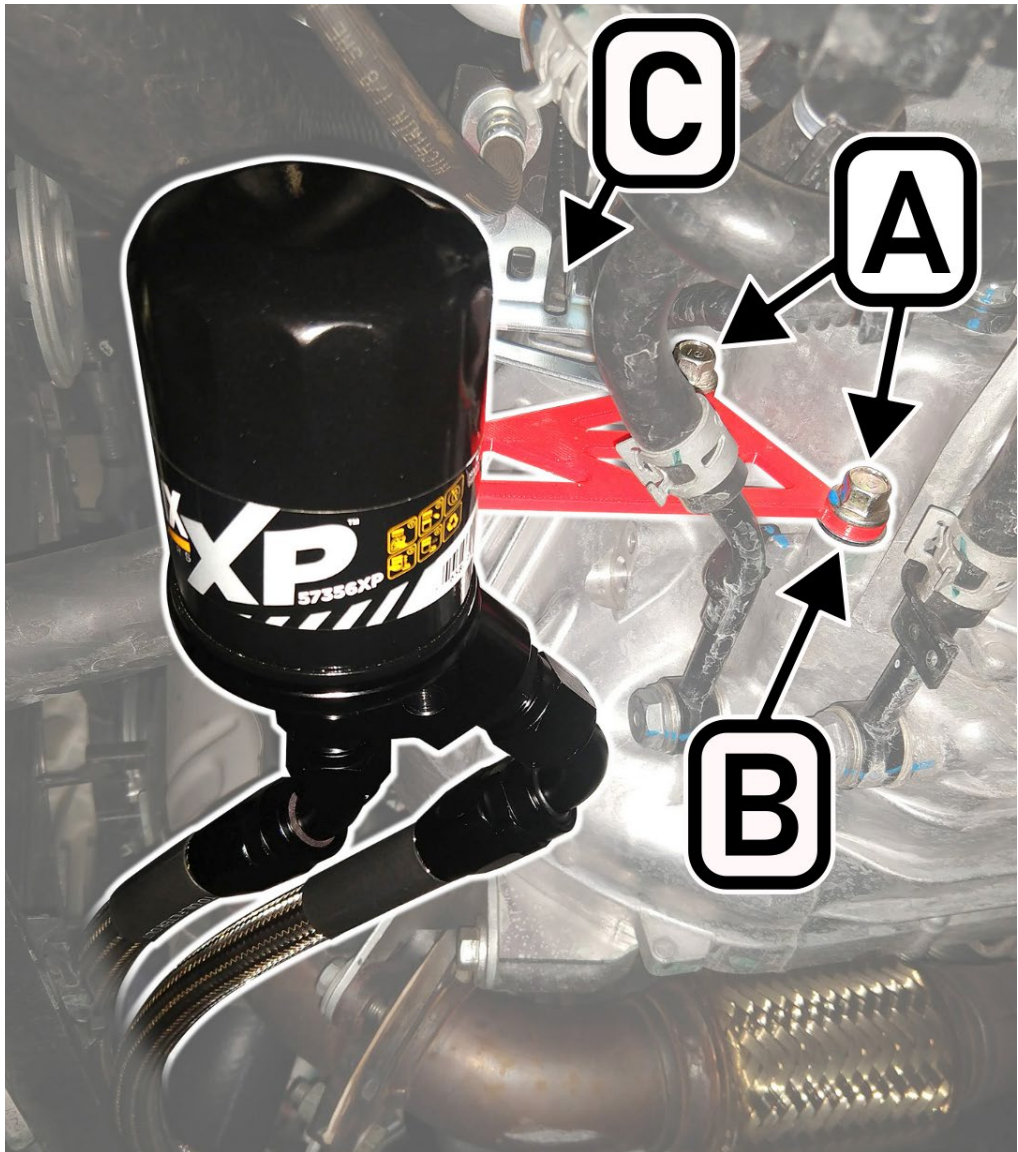


### c. Installing the Oil Filter Pedestal

1. Prepare the Oil Filter Pedestal by installing the 2x remaining -10 AN Male to -10 AN ORB Adapters onto both the 'In' and 'Out' Ports using fresh engine oil on the O-Rings.
2. Proceed by blocking the 1/8" NPT Sensor/Feed Ports on the pedestal with the supplied Port Plugs, making sure to use Thread Sealant or Teflon Tape on the threads. Alternatively, install any Temperature Sensors or Pressure Feed Hardware if any Sensors or Gauges will be installed.
3. Fasten the Pedestal to the Oil Filter Pedestal Bracket with the supplied M6 Hex Head Bolts as shown here.

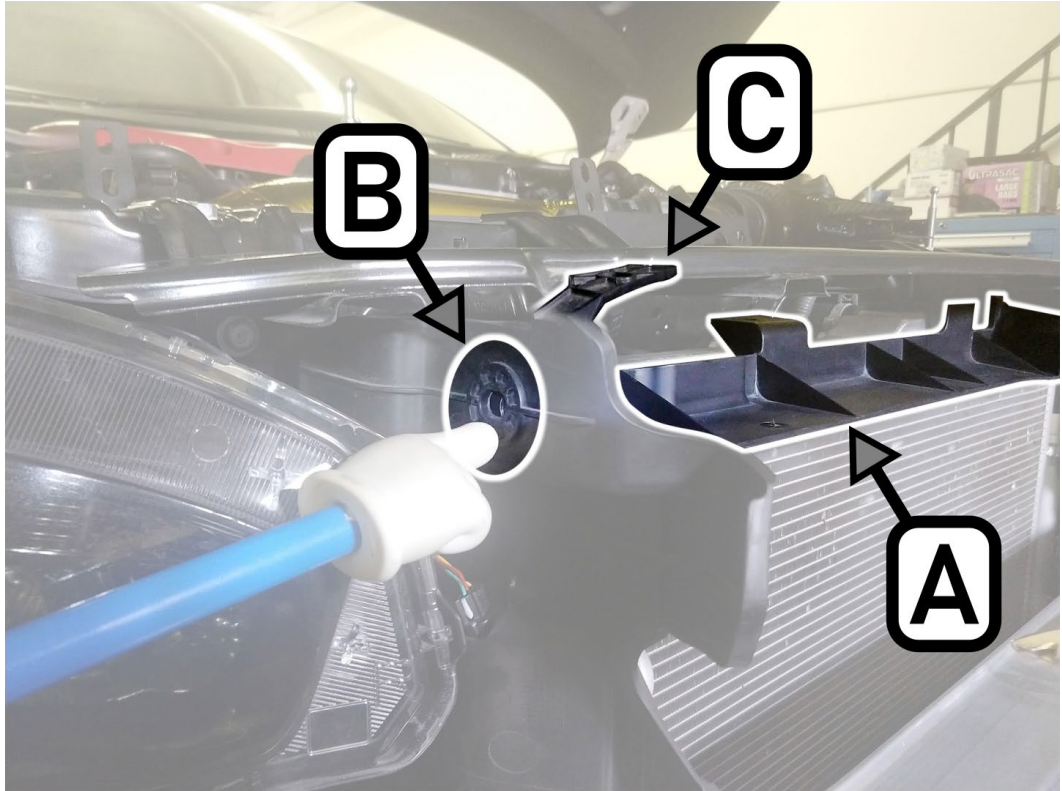


4. Remove the 2x M10 Transmission Case Bolts (A) to install the Pedestal Assembly over the Clutch Line Bracket (C) and using the M10 Washer (B) as a spacer between the Transmission and Pedestal Bracket. Reinstall M10 Transmission Case Bolts and torque to 32lb/ft. *(NOTE: Removal of the Upper Clutch Line Bracket Bolt is NOT NECESSARY)*



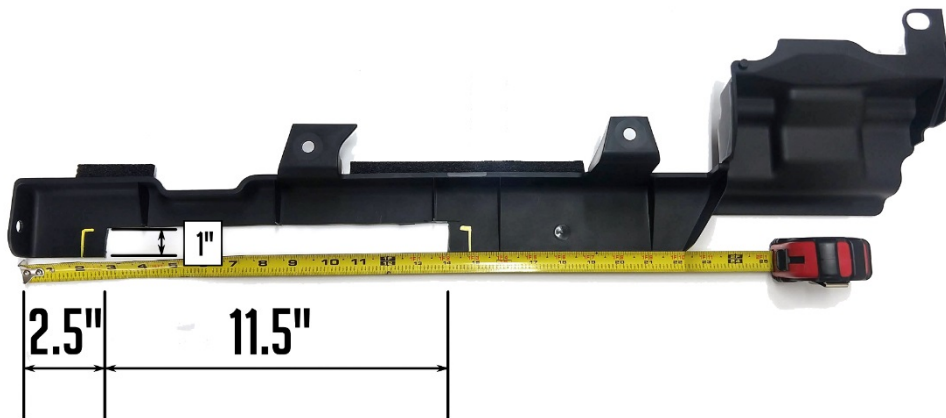
#### d. Mounting the Oil Cooler Core

1. Remove the Front Bumper Upper Induction Plate (A). Consists of 2x Push Clips (B).



- *NOTE: Unfastening the Push Clips (C) holding the Side Induction Plates to the Bumper Support Beam can help.*

2. Modify the Upper Induction Plate by cutting the plastic as shown here:

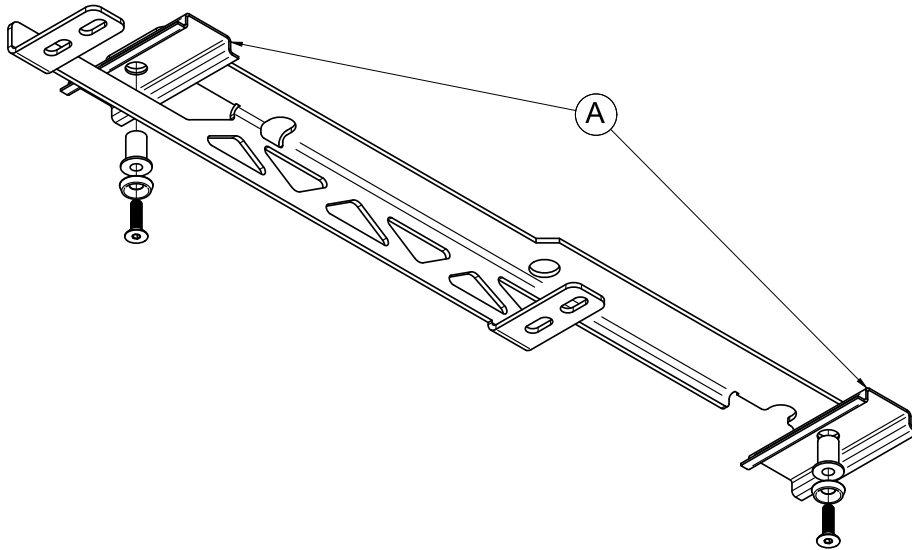




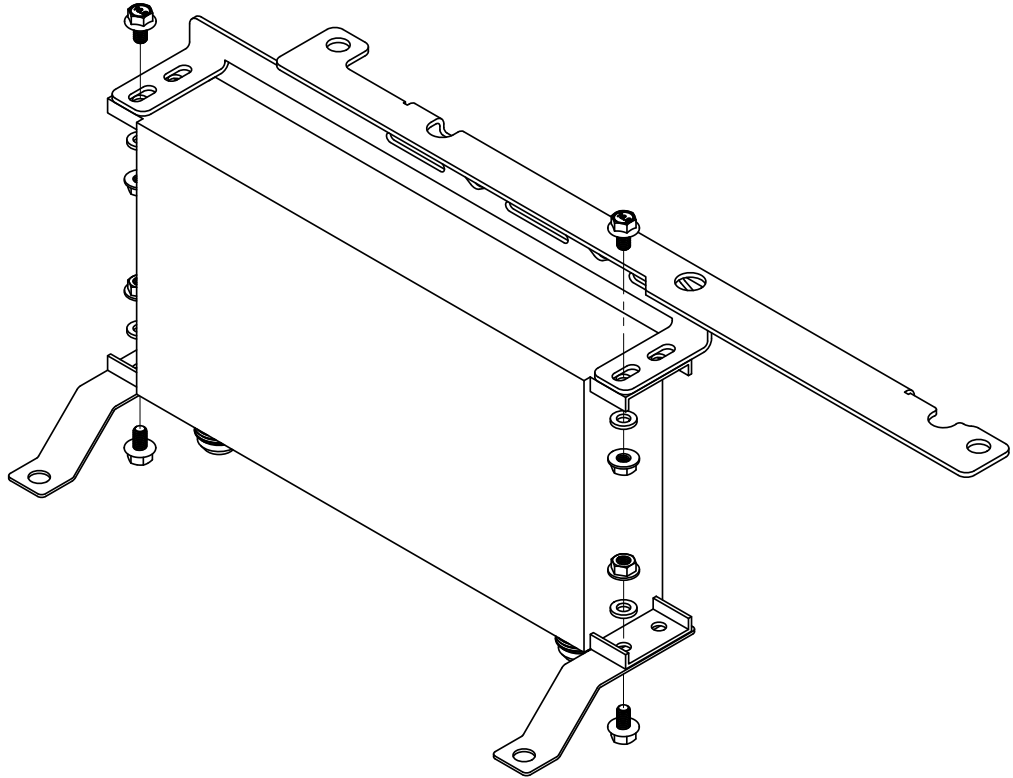
3. Modify the Passenger Side Induction Plate by cutting off the 2x Retaining Grommets that hold it to the bumper beam:



4. Install the Upper Oil Cooler Core Bracket by resting it over the Bumper Support Beam Stand-Offs (A). Then, using the Rubber Expanding Nuts, M5 Screws and Baysavers Washers, fasten the bracket down with a 3mm Hex Key.



5. Reinstall the Upper Induction Plate and replace any clips that were removed with it previously.
6. Using the M6 Bolts, Nuts, and Washers, assemble the Oil Cooler Core and Lower Brackets by hand until all brackets are secure.



7. Using the Lower Brackets as a guide, mark the bumper beam with a center punch to drill a 3/8" (10mm) hole for the Rubber Expanding Nuts. Once holes are made, install the Rubber Expanding Nuts along with Screw and Washer.

*NOTE: It is our opinion that these small holes will not affect the crash beam integrity. However, if you do not feel comfortable doing this for safety reasons, then the top mounts should be adequate to secure the oil cooler core.*

8. Finish by tightening all Oil Cooler Core Hardware. (*NOTE: Setting the Oil Cooler Hoses in place before fastening the Core Assembly can help make routing the hose assemblies easier; Continue to Section 'e' for more info*)

#### e. Installing Oil Cooler Hose Assemblies

1. Starting at the Oil Cooler Core, route the longest of the three hose assemblies past the Side Induction Plate (via the previously modified area), running parallel underneath the AC Condenser Rubber Hose and making sure to start with the side Labeled 'Oil Filter Pedestal In'.
2. Proceed by screwing the -10 AN Hose Ends into the Oil Filter Pedestal 'In' Port and the Oil Cooler Core, but do not tighten.
3. Resuming at the Oil Cooler Core, start routing the shortest of the three hose assemblies in parallel with the previously installed hose, orienting the end labeled 'Oil Filter Take-Off Out', in towards the Oil Filter Take-Off.
4. Proceed by screwing the -10 AN Hose ends into the Oil Filter Take-Off 'Out' Port and the Oil Cooler Core.
5. Tighten the Oil Filter Take-Off Thread Adapter to 25lb/ft, using a 30mm Socket and accompanying Torque Wrench.
6. Connect the last remaining hose with the end labeled 'Oil Filter Pedestal Out' into the Oil Filter Pedestal 'Out' Port and the opposing end into the Oil Filter Take-Off 'In' Port.
7. Finish by tightening all Hose Ends with a -10 AN Aluminum Wrench and use Zip-Ties to keep hoses from moving/rubbing against components and away from heat sources. *(NOTE: Use a wrench to hold the hex of the Oil Cooler Core -10 AN Fitting when tightening its hose ends)*

f. **Finishing/Topping Off Engine Oil**

1. Double Check all Fittings, Hardware, Brackets, Hoses, etc., to make sure everything is properly secured and free of potential leaks/damage.
2. Add 1.25 quarts of oil to the engine.
3. Reconnect the battery and start the engine for roughly 1 minute.
4. Check to make sure the Low Oil Pressure indicator does not come on and check for any leaks.
5. Turn the engine off and check the engine oil level. Add oil as necessary.
6. Reinstall any parts previously removed from the car in reverse order.

***Congratulations! Installation of our SiriMoto Oil Cooler Kit is complete, and you can now enjoy the cooling benefits of the large 19 Row Oil Cooler Core. For future maintenance/oil changes, the oil capacity will increase by 1~2 quarts depending if only the oil is drained or if the oil filter is changed along with the oil cooler core being drained by disconnecting the Oil Filter Take-Off 'Out' hose-end.***

***From the SiriMoto Team, we thank you for choosing this kit, as countless hours were put into the development of this kit along with real-world testing, both on the street and the track. We believe our SiriMoto kit provides simplest bolt-in installation and locates the oil cooler core in the most optimal area where no trimming of vents is required, nor will its airflow be impeded by the 'H' Emblem which can rob an air-to-air from precious, cool air.***

**Best Regards,  
TEAM  
SIRIMOTO**

