



Z1 Motorsports 1200 Carrollton Villa Rica Hwy Carrollton GA 30116 770.838.7777

Z1 Motorsports 370Z Oil Cooler Kit Installation Manual



For 19, 25 and 34 Row Oil Cooler Kits

Parts Included:

- 1 SETRAB Oil Cooler Core (Size dependent on Oil Cooler Core Ordered)**
- 2 Aluminum SETRAB Brackets**
- 4 SETRAB Aluminum Backing Plates (W/ Rubber Anti-Vibration Pads)**
- 8 M6 x 1mm x 14mm Allen Head Bolts**
- 1 Z1 SS Oil Cooler Line Set**
- 1 Mocal Oil Sandwich Adapter Plate**
- 2 SETRAB Oil -10 AN Fittings (W/ O-Ring)**
- 2 Mocal (-10 AN to -10 Port) Sandwich Adapter Fittings**
- 2 M6 x 1mm x 20mm (10mm) Bolts**
- 2 M6 x 1mm Threaded U-Clip**
- 2 Mocal Rubber Sealing Washers**
- 1 SETRAB Oil Cooler Assembly Instruction Bulletin**

Additional Parts:

- 1 Qt (1 Liter) Engine Oil (Not Included)**
- 1 Z1 Motorsports 370Z Oil Cooler Installation Manual (Optional)**

Installation:

WARNING! Extreme caution should be taken when performing ANY maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding the installation or the various components included with the Z1 Motorsports 370Z Oil Cooler Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

Installation Note #1:

It is recommended that you perform the Z1 Motorsports 370Z Oil Cooler Kit installation at the scheduled interval when your vehicle requires an Oil Change. This due to the fact that the Oil Filter must be removed and the some Engine Oil must be removed in order to properly install the kit.

*BEFORE YOU BEGIN!

Remove all contents from the Z1 Motorsports 370Z Oil Cooler Kit and verify that ALL necessary hardware is present.

1. Properly raise and support your 370Z using jack stands and the proper jacking points on your vehicle's chassis (Refer to vehicle's Owner's Manual)
2. Apply the Parking Brake
3. Disconnect the NEGATIVE (--) Battery Terminal
4. Raise the vehicle's Hood
5. Remove Front Wheels
6. Remove both the Lower Engine Splash Shield and both Inner Fender Liners (Passenger & Driver)

BEFORE:



AFTER:



7. Remove Front Fascia. On OEM Front Fascias, this is done by using a flat blade screw driver and gently popping out the center section of the 7 Clips located under the hood. The fascia can then be removed by applying minor pulling pressure to the corners of the fascia around head lights.

Installation Note #2:

Some individuals find that removing the Front Aluminum Crash Bar and Foam Reinforcement pad eases in the installation of the 370Z Oil Cooler Kits.



8. Assemble the SETRAB Oil Cooler Assembly using the supplied hardware and brackets. Refer to the supplied SETRAB Oil Cooler Assembly instructions.
9. Locate the supplied M6 x 1mm Threaded U-Clips (x2).
10. Slide the Threaded U-Clips over the unused Core Support Slots.
11. Locate the supplied M6 x 1mm x 20mm Bolts (x2)
12. Using the supplied bolts, attach the SETRAB Oil Cooler Assembly to the vehicle's core support. The SETRAB Hose AN Fittings should be facing upwards.

Installation Note #3: *You may reverse the orientation of the Oil Cooler Brackets. If you are installing this oil cooler kit in conjunction to, or planning on, a forced induction system with a Front Mount Intercooler (FMIC); it is recommended that you orient the SETRAB Cooler so that it is positioned as close to the A/C Condenser as possible.*

Installation Note #4: *It is HIGHLY recommended that the oil Cooler be pre-filled with oil prior to installing the SETRAB Cooler onto the vehicle.*

13. Ensure that there is no interference with the Center Core Support Bracket, A/C Condenser Lines or other hardware.



14. Unless already performed, fill the SETRAB Oil Cooler Core with fresh engine oil.
15. Locate the Z1 Motorsports SS Line Set and attach both hoses to the SETRAB Oil Cooler Assembly.
16. Route the Line Set across the front of the vehicle. Feed the lines thru the opening on top of the frame rail and between the Windshield Washer Tank.



Installation note #5: The use of Zip Ties and ½" Plastic Split Loom is suggested in order to keep the SS Line sets neat and pulled away from sharp, abrasive edges. The Plastic Split loom will also prevent the SS Line Set from rubbing off paint that it may come in contact with.

17. Remove Engine Oil Drain Plug and drain the engine oil.
18. Remove the Oil Filter.
19. Locate the supplied Mocal Sandwich Adapter. This unit should already have the two (-10AN to -10 Port) Fittings and the two rubber sealing washers installed. ***Be sure to properly tighten these fittings before continuing.***

20. Install the Mocal Sandwich Adapter Assembly onto the vehicle using the supplied adapter fitting. This will now locate the Earl's Sandwich Adapter in-between the Oil Filter and the Engine. **BE SURE to face the Mocal Sandwich Adapter with the large rubber O-Ring facing the Engine.** Do not tighten the Sandwich Adapter at this time.
21. After carefully routing the Z1 SS Line Set through chassis, attach the two remaining AN Fittings to the Mocal Sandwich Adapter. Ensure that the lines will not be pinched, crimped or crushed when re-assembling the vehicle.

Installation note #6: The Mocal Sandwich Adapter may require some "clocking" or rotating to properly orient it so that the Z1 SS Line Set may be attached.

22. Tighten down the Sandwich Adapter bolt, securing the Mocal Sandwich Adapter to the engine.
23. Install the Engine Oil Filter.
24. Refill the engine with oil.
25. Crank the engine and inspect for any leaks.
26. Re-install the previously removed Hardware, Fascia and Inner Fender Liners.
27. Perform a final test drive of the vehicle.

BE SURE TO CHECK THE ENGINE OIL LEVEL AFTER TEST DRIVING!

For further information and *MORE* full color pictures and installation suggestions, follow the installation link on the Z1 Motorsports 370Z Oil Cooler Kit product page at Z1Motorsports.com