



INSTALLATION MANUAL

Dual Fan 19-Row Oil Cooler

PFEOC19-DF



| Included Items | QTY |
|--|-----|
| PFEOC19-DF Ultra Pro Dual Fan Oil Cooler | 1 |
| PFE920-10BK Straight Adapter -10AN O-Ring Port Black | 2 |

WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

DESCRIPTION

The Proflow Performance dual oil cooler allows you to mount your oil cooler virtually anywhere and away from the front of the vehicle, increasing airflow to the radiator. It features a 19-row stack-plate cooler design with integrated turbulators and airflow supplied by two 5" dustproof electric fans. The aluminium anodised fan shroud channels air flow towards the cooler while also doubling as a mounting bracket.

TYPICAL INSTALLATION

1. Identify the two -10AN male fitting adapters included in this kit.
2. Install the two supplied fittings onto the top ports of the cooler with the o-ring side towards the cooler. Please note, these fittings do not need thread sealant and only need light lubrication applied on the o-rings before installation.

3. Hold the oil cooler assembly in the desired location on the vehicle. Ensure this location is away from extreme heat sources and moving components.

NOTE: This cooler still needs access to airflow to perform at its best and prevent overheating under high-load conditions. It is setup for PULLER applications only.

4. Using a marker, mark the four bolt hole locations on the vehicle. Dimensions of the oil cooler bracket are shown below for reference.
5. Drill the four mounting holes and use M6 bolts, washers and nylon lock nuts to attach the oil cooler assembly to the vehicle. You can also choose another method of your choice to attach the oil cooler but this method is recommended to avoid the oil cooler loosening over time due to vibration.

NOTE: Rubber isolation mounts are recommended for mounting this oil cooler.

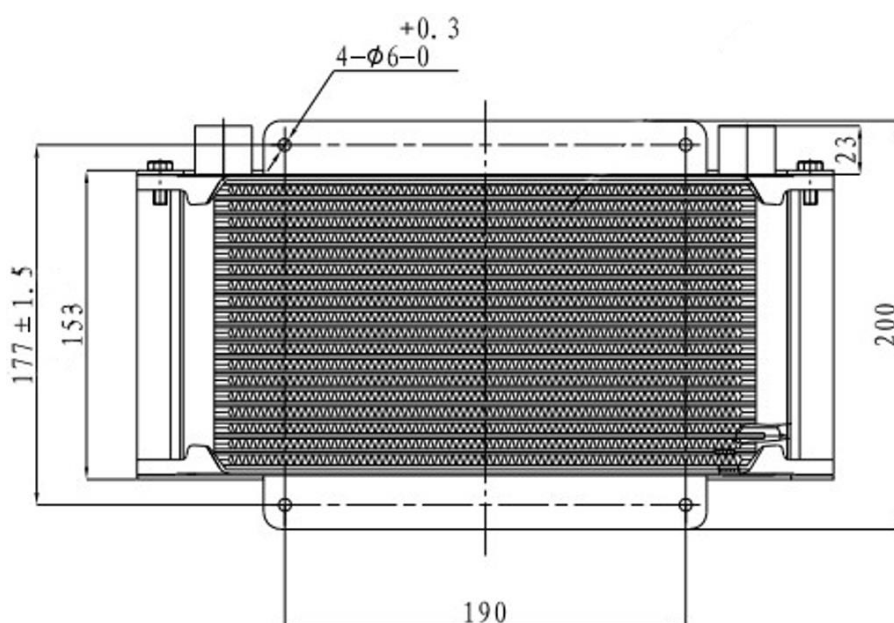


Figure 1: Oil Cooler Mounting Dimensions

6. Install hose end fittings of your choice onto the oil cooler ports. Barbed hose ends can be used with the appropriate adapters. Please consult a professional if unsure how to plumb your oil cooler.

NOTE: The cooler core will flow in either direction, so there is no specified inlet or outlet port.

7. Route hoses from the oil cooler to the desired component (e.g. engine or transmission), ensuring all hoses are kept away from sharp edges, moving parts and hot engine components. A kinked hose will restrict flow and could cause failure.
8. Ensure all fittings and fasteners are secured before starting the vehicle.

9. Check oil levels and fill if necessary. For engine cooler applications, start the engine and allow it to idle for a few minutes. Observe for any leaks coming from the assembly before proceeding.
10. Turn the engine off and check the oil level again and fill as required.
11. For automatic transmission applications, start the engine and ensure the vehicle is in park/neutral. Check the transmission oil level while the engine is running and at standard operating temperature. Fill as required.

WIRING

Wire the positive blue wires to a 12 volt source (manual switch or thermostat) and wire the negative black wires to a good chassis ground location. A wiring diagram is provided below. The electric fans have a combined rating of 7 Amps.

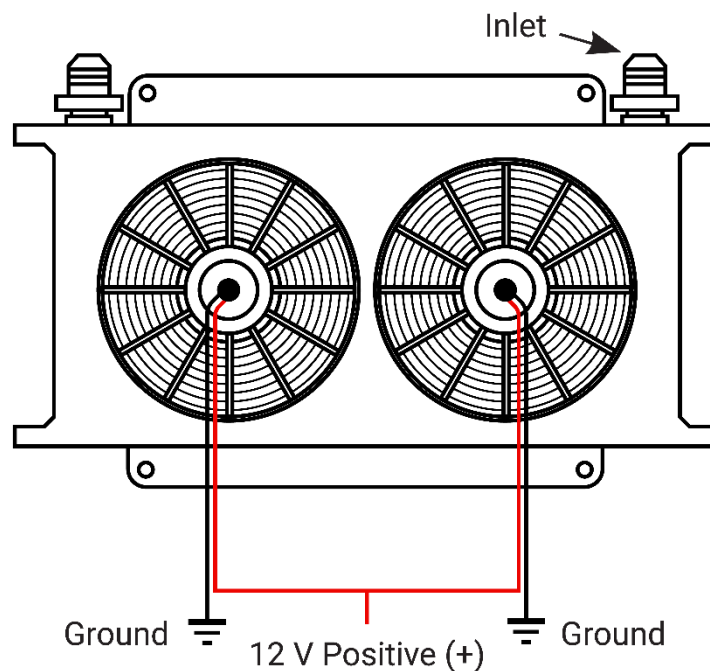


Figure 1: Oil Cooler Wiring Diagram