

INSTALLATION INSTRUCTIONS

Part # FP920M22I-2P

Read these instructions completely before beginning installation or service.

KIT CONTENTS

QTY.	DESCRIPTION
1	Setrab 9-series, 20-row, 2-pass, 22mm x 1.5 female ports, fan-assisted oil cooler assembly

TOOLS SUGGESTED

Adjustable wrench	Electrical tape
Wire stripper	Wire crimper

CAUTION!

To prevent injury, allow vehicle to cool before attempting installation and/or disassembly and cleaning.

FAN OPERATION DETAILS

Fan direction: Puller

Fan direction reversal will offer diminished performance, as the blades are optimized for pulling performance.

Voltage: 12V

Amperage: ~24A at startup, ~9.6A continuous @ 0 static pressure

Fan performance: 684 CFM @ 0 static pressure

MOUNTING

- Find a mounting location on the vehicle that will allow for ample air to be drawn through the oil cooler.
 - NOTE:** It is important to allow for hot air to evacuate out the rear of the fanpack. Mounting location should provide an exhaust path for hot air to escape, else oil cooler performance will be diminished.
- Ensure mounting location will be free of any moving parts that may interfere with the free movement of fan blades.
- Isolate the oil cooler assembly from vibration using rubber dampening at all mounting points for maximum longevity.

PLUMBING

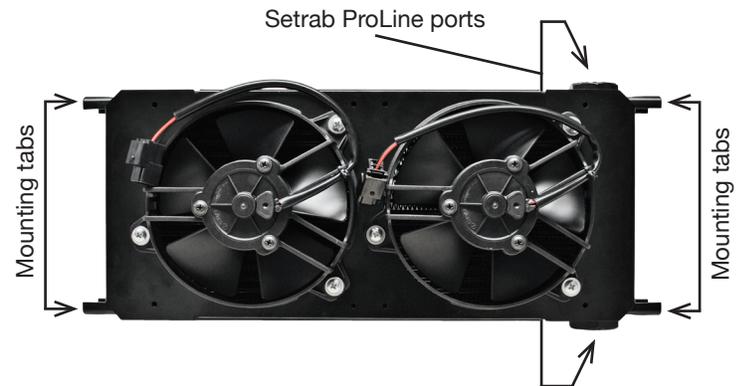
- The oil cooler will flow in either direction.
- The oil cooler ports are low-profile, flat-face Setrab ProLine ports and require a captured o-ring adapter fitting to seal properly. Do not use any thread sealant on the threads.
- Always use a backup wrench to install adapter fittings into the oil cooler.
- Whatever size oil lines are being used for oil cooler plumbing, securely fasten the hose in several locations, including as close to the oil cooler as possible to minimize the transfer of vibration into the brazed cooler from the oil lines.

WIRING

- Minimum 18 AWG automotive wire should be used for ground and power supply.
- If not using the included connector or ring terminal, cut off to reveal bare fan power and bare ground leads for wiring.

Note: Wiring fans together

A connector wire may be used to wire power to both fans simultaneously if desired. To do so, connect both the positive (+) red power leads of both fans to each other, and both the negative (-) black leads of both fans to each other.



- Connect the positive (+) red power lead to a switched 12V source (manual switch or thermostat). Power may be fused or relayed.
 - NOTE:** If wiring in a thermal switch, the switch should be located on the hot side of the oil cooler and positioned between the positive (+) red lead and the power source.
- Connect negative (-) black lead to suitable chassis ground.

ACCESSORIES AVAILABLE

PART #	DESCRIPTION
FA3011-08	Direct replacement fan
51-07945-01	Setrab ProLine 920M22I-2P oil cooler
23-9002	sūsa Mounting bracket kit for Setrab 9-series oil coolers
31-R30A-5P	Power relay, 30A 5-pin
31-TS180-__ *	sūsa Thermal Switch, 180°F, *-06, -08, -10, or -12
31-TS190-__ *	sūsa Thermal Switch, 190°F, *-06, -08, -10, or -12
22-M22AN__-SE *	sūsa ProLine Adapter Fitting, -04, -06, -08, -10, -12, or -16
40-AOT180-22	sūsa Automatic Oil Thermostat to control oil flow to oil cooler

For the entire range of adapter fittings, hose ends, and many other accessories, visit:

www.setrabusa.com