



SX Performance™ Model 18205 & 18206 Electric Fuel Pump Performance Specifications and Installation Instructions

Outlet Flow	120 GPH, 12 VDC (Model 18205) 160 GPH, 12 VDC (Model 18206)
Factory Pressure Setting	6.5 PSI (Model 18205) 15 PSI (Model 18206)
Max. Current Draw	7 amps
Inlet/Outlet Port Size	3/8" NPT (Model 18205) 1/2" NPT (Model 18206)

Note: This Pump is not legal for sale or use on emission controlled motor vehicles.

CAUTION!

Installation of this product should only be performed by those persons knowledgeable in the repair and modification of high performance automotive fuel systems.

WARNING: Fuel system may be under pressure!

Do not loosen fuel system connections until relieving pressure. Fuel may leak when loosening fuel system connections. Eliminate potential fire hazards before loosening any fuel system connections. Always wear appropriate personal safety equipment such as safety goggles and other apparel as needed, for protection from debris and sprayed gasoline. Work in a well-ventilated area and keep an approved fire extinguisher nearby. Extinguish any open flames and eliminate all sources of ignition in the area of the vehicle before proceeding with the installation.

Installation Guidelines: Both 120 GPH and 160 GPH Pumps

- Mount Fuel Pump as low and as close to the fuel tank as possible. Fuel Pump can be mounted on vehicle frame or body sheet metal (use appropriate mounting hardware, including fender style washers on sheet metal). The Fuel Pump can be mounted in any direction, vertical positioning is not required.
- Mount pump even or below fuel tank level.
- Remove any existing filters or straining components from the tank to the inlet of the fuel pump. Fuel pump has serviceable built-in straining filter. Use 3/8" minimum line size for 120 GPH pump for inlet feed, use 1/2" minimum line size for 160 GPH fuel pump.
- Connect electrical power to pump using appropriate soldering techniques or terminal usage. Use 14 gauge wiring minimum for all connections. Run pump through an independent 10 Amp fused circuit, such that fuel pump only comes on when ignition is in the "ON" position. Pump must not be wired directly wired connected to the battery. An electrical relay can be used with fuel pump circuit. Ensure that the pump's negative wire (black color) is properly grounded to the vehicle's chassis.
- Maintenance:
 - Clean inlet strainer filter a minimum of once per year (more often when operating in dirty environments). Remove by loosening filter service plug and removing element. **WARNING:** Be sure to have fuel level very low, with approved container with funnel ready to capture exiting fuel. Gasoline may exit service plug and completely drain the fuel tank or cell. Clean filter element with solvent and compressed air. Lubricate o-ring and reinstall filter with the filter service plug. Tighten the plug to between 5 to 15 ft.- lbs. of torque.

Typical Installation Instructions:

1. With the ignition off and engine cool, disconnect the negative battery terminal and relieve the fuel system pressure. **See the above warning for proper precautions.**
2. Disconnect the existing pump fuel lines. Plug the open fuel line ends to prevent leakage and foreign matter from entering the fuel system. Remove the pump mounting screws and remove the existing pump.

3. Assemble mounting bracket and rubber isolator to pump. Torque bracket screw to 5-15 ft.- lbs. Mount the new pump in a suitable place on the vehicle chassis using quality hardware (not supplied). Refer to Figure 1 for mounting hole locations. Replace existing fuel lines as necessary to line up with the new pump.

CAUTION: Use common sense when routing fuel lines and electrical harnesses. Keep them away from hot exhaust components and/or moving parts. Properly secure lines to prevent chaffing or abrasion. Fuel lines should never be routed inside the passenger compartment of the vehicle! It is also recommended that all fuel lines be routed on the outside of chassis frame rails wherever possible.

4. Connect and tighten fittings to the inlet and outlet fuel lines, see Figure 1. Use thread sealer (not supplied) on fitting threads
5. Connect electrical power (12 VDC) to the pump as describe in the above installation guidelines.

CAUTION: Use care to route all electrical wires clear of moving suspension, driveline or exhaust components. Protect wires from abrasion and road obstructions.

6. If not previously equipped, attach a fuel pressure gauge to the fuel system or fuel pressure regulator.
7. Reconnect the battery. Turn the ignition to ON without starting the engine and check for fuel pressure after allowing the pump to run for several seconds. If there is no pressure, turn the ignition to OFF. If no pressure is registered on the gauge after running the pump for several seconds and you have found no leaks, check all fuel and electrical connections to determine the cause.

WARNING!

If any leaks exist, shut the power off immediately and repair before continuing.

8. Once steady fuel pressure is obtained, start the engine and check the fuel system for leaks. Set the desired final pressure at the fuel regulator (if equipped) and lock the adjuster screw in place.

Congratulations, your vehicle can now take full advantage of the exceptional performance capabilities of your new SX Performance™ product!

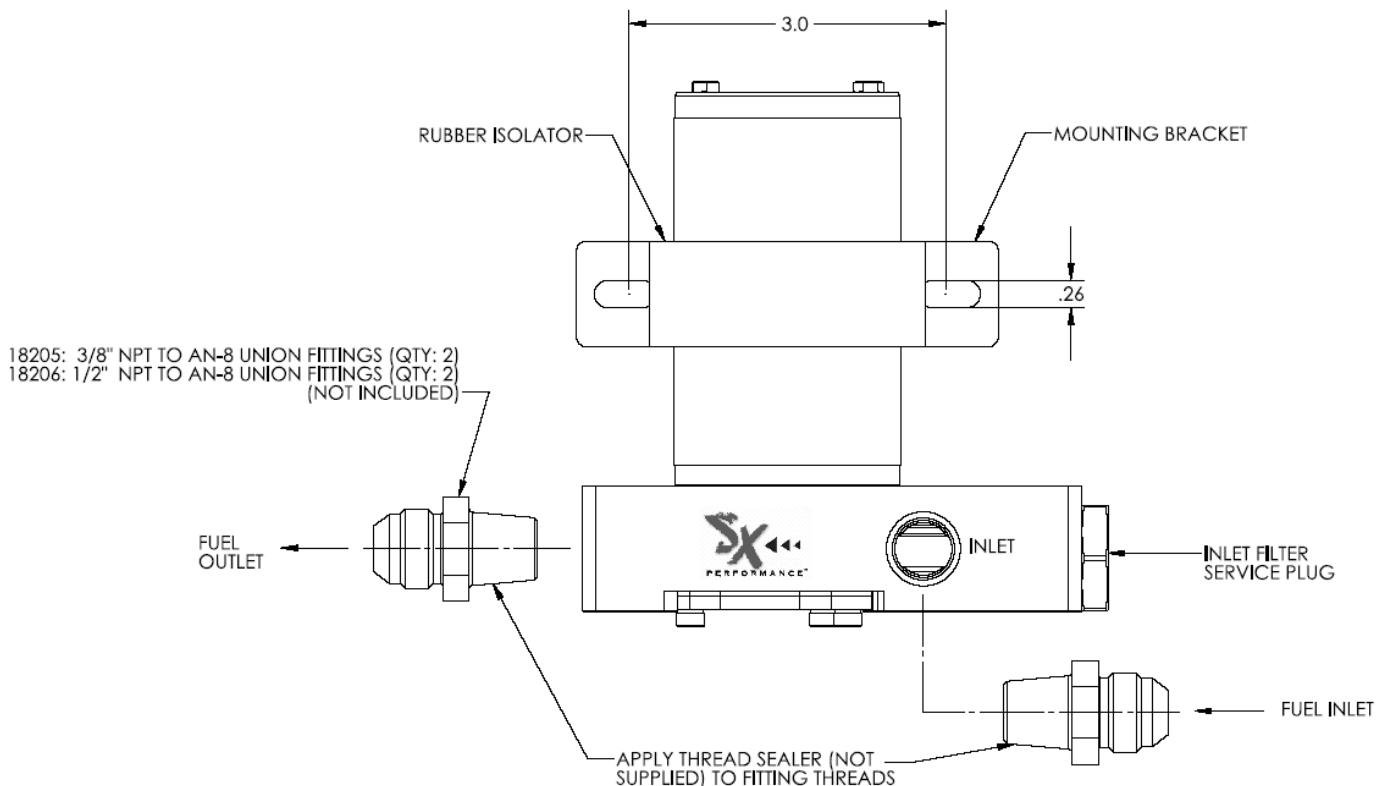


Figure 1 – SX Performance™ Model 18205/18206 Fuel Pump

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