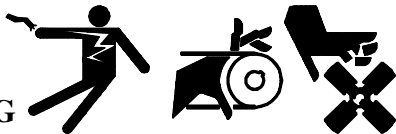




Solid State Fuel Pump Kit #228273 2.5CMZ RV Generator Sets

This instruction sheet describes procedures on replacing the existing round fuel pump with a new solid state version. Installation of this kit requires removal of the generator set from the coach. Observe the following safety precautions when installing the fuel pump kit.

! WARNING



Accidental starting can cause death or serious personal injury. Disconnect battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator. The generator set can be started by remote start/stop switch unless this precaution is followed.

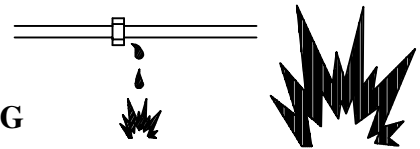
! WARNING



A flash fire can cause serious burns. Do not smoke or permit flame or spark to occur near carburetor, fuel line, fuel filter, fuel pump, or other potential sources of spilled fuel or fuel vapors. When removing fuel line or carburetor, use a proper container to catch all fuel.

Spilled fuel can ignite on contact with hot engine parts. Use a container to catch fuel when draining fuel system. Wipe up all spilled fuel after draining system.

! WARNING



All fuels are highly explosive in a vapor state. Use extreme care when handling, storing, and using fuels

Store fuel in a well-ventilated area away from spark producing equipment and out of the reach of children. Never add fuel to the tank while the engine is running since spilled fuel may ignite on contact with hot parts or from ignition spark. Do not smoke or permit flame or spark to occur near potential sources of spilled fuel or fuel vapors. Keep fuel lines and connections tight and in good condition—don't replace flexible fuel lines with rigid lines. Flexible sections are used to avoid breakage due to vibration. Additional precautions must be taken when using the following fuel:

Gasoline – Store gasoline only in approved red containers clearly marked GASOLINE. Do not store gasoline in any occupied building.

To remove existing round fuel pump and replace with solid state version, use the following procedure:

1. Disconnect battery, negative lead first. Disconnect generator fuel lines, load leads, remote leads, exhaust system, and ductwork. Remove generator set from coach according to procedure supplied by coach manufacturer.

2. Using a container to catch spilled fuel, disconnect fuel line at fuel pump and carburetor and discard fuel line. Dispose of fuel in suitable container. Wipe up spilled fuel.
3. Remove hardware securing round fuel pump to generator tray. Remove fuel pump (disconnecting at connector), mounting bracket, and mounting hardware and discard. Mount new fuel pump mounting bracket (228268) using mounting hardware supplied in kit. See Figures 1 & 2.
4. Install new fuel pump (239806) to mounting bracket as shown in Figure 2. Using a standard crimping tool, attach female terminal (X-431-25) to the fuel pump negative lead (black). Snap terminal X-431-25 into the already attached male terminal on lead SW03-1815-15014. Attach ring terminal end of lead SW03-1815-15014 to blower housing mounting screw or fuel pump mounting screw. Connect male terminal (X-431-29) to the fuel pump positive lead (white) using a standard crimping tool to attach. Snap in place to existing connector on end of lead (2) in wiring harness.
5. Attach hose connectors (X-391-1 and X-380-5) to fuel pump as shown in Figure 2. Install new fuel line (X-386-46) to X-391-1 hose connector using hose clamps on either end attaching to fuel filter (228269).
6. Connect fuel line (X-386-14) to other end of fuel filter using hose clamps to secure. Attach to carburetor.
7. Reconnect generator battery, negative lead last.
8. Start generator set and examine fuel pump/fuel line for leaks. If leak occurs, stop generator set and tighten fuel line fittings.

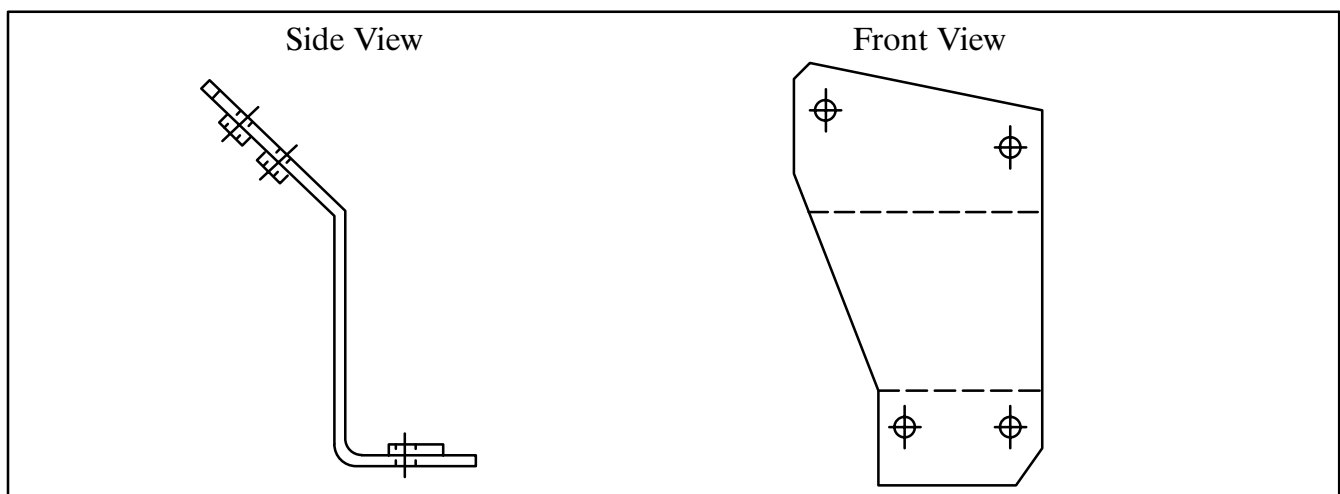
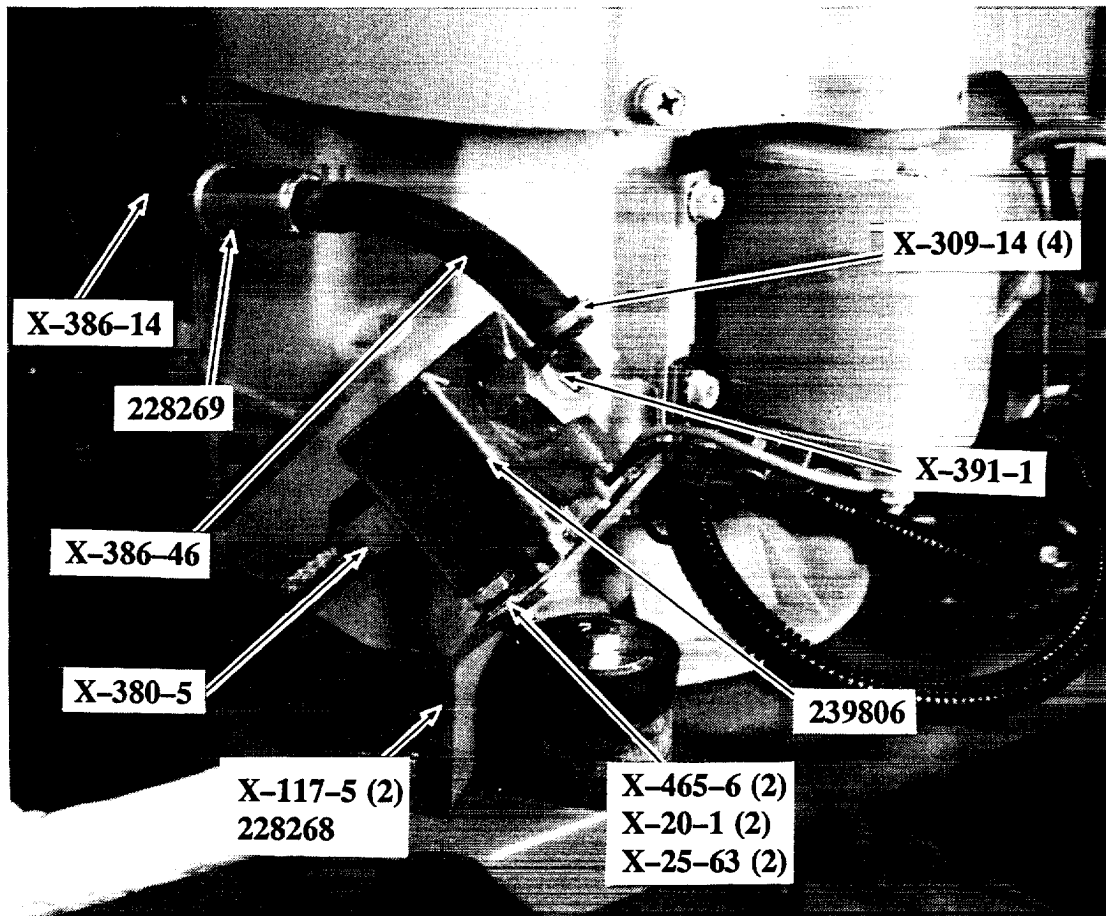


Figure 1. Fuel Pump Bracket



Parts Listing

Part Number	Description	Qty
SK03-1815-15014	Lead	1
X-117-5	Screw, H. C. 10-24 x 5/8	2
X-20-1	Washer, Lock 1/4	2
X-25-63	Washer, Plain 17/64 x 1/2 x 1/16	2
X-309-14	Hose Clamp	4
X-380-5	Hose Connector	1
X-386-14	Flex. Fuel Line	1
X-386-46	Flex. Fuel Line	1
X-391-1	Hose Connector	1
X-431-25	Terminal	1
X-431-29	Terminal	1
X-465-6	Screw, H. C.	2
228268	Fuel Pump Bracket	1
228269	Fuel Filter	1
239806	Fuel Pump	1

Figure 2.