



AF64-4001 & AF64-4001BLK

Small Block Chevy mid mount passenger side power steering bracket kit. (with Long water pump)

Congratulations on the purchase of your new Aeroflow Performance Product

1) Disconnect Battery; remove all existing accessory drive brackets and components from motor. Disconnect all existing power steering lines.

2) Remove water pump, scrape away any existing gasket material.

3) Remove existing power steering bracket and pulley (press on pulleys require the use of a special puller to avoid damage to power steering pump and pulley)

4) Clean and prep threads in cylinder heads, use a 3/8-16 thread cleaner if necessary. Thread cleaners are available at your local auto parts store or tool dealer and are different from a thread cutting tool.

5) Remove the 3/8-16 x 63 threaded studs from the power steering skin board & screw into the passenger side water pump mount holes and tighten. The studs can easily be tightened by threading two 3/8-16 nuts (not included) onto the stud and tighten them against each other to act as a drive nut. Apply RTV silicone sealer to engine block and water pump.

6) Install gaskets and then water pump. There should be no more than 16mm of thread left exposed on studs. If more than 16mm thread is showing, remove stud(s) and clean out threads then reinstall threaded stud(s) and check again. Apply anti-seize to the exposed threads on the studs. Also apply anti-seize to the threads of all the remaining fasteners at this time.

7) Thread the two 38mm long spacer nuts onto the exposed studs with the hex end out and install the drivers side water pump bolts to complete installation of water pump. Tighten firmly.

8) Attach the steel three hole power steering bracket to the front of pump with two 3/8-16 x 19mm socket head cap screws and tighten firmly (46 ft/lb). Attach steel adjustment bracket to the back of the power steering pump with one 3/8-16 x 19mm socket head cap screw and finger tighten.

9) Place pump assembly on motor and align three hole steel bracket with water pump boss by the spacer nuts. Thread the 3/8-16 x 25mm socket head cap screw through the bracket and through the 5mm load washer into the water pump boss and finger tighten.

Swing the rear steel bracket up and align with engine block lower mount boss, thread a 3/8-16 x 32mm socket head cap screw through the thin 3/8" ID slide spacer, the rear steel bracket and the 17mm long rear spacer into the engine block and finger tighten.

Note: the spacers have a lip that locates them in the adjustment slot of the bracket.

10) Thread a 3/8-16 x 25mm socket head cap screw through one thin 3/8" ID slide spacer, the aluminum power steering bracket and one more thin 3/8" ID slide spacer and into the power steering pump. Finger tighten.

11) Thread the two remaining 3/8-16 x 19mm socket head cap screws through the bracket and into the water pump spacer nuts and tighten firmly (46 ft/lbs).

12) Install pulley:

For pumps with a keyed shaft – Place the pulley onto shaft, install thrust washer and nut. Tighten nut.

For Pumps with a press on shaft – Always use a pump pulley installer to push the pulley onto the shaft. The hub of the pulley should be flush with the end of the pump drive shaft. Follow the instructions provided with the pulley installation tool.

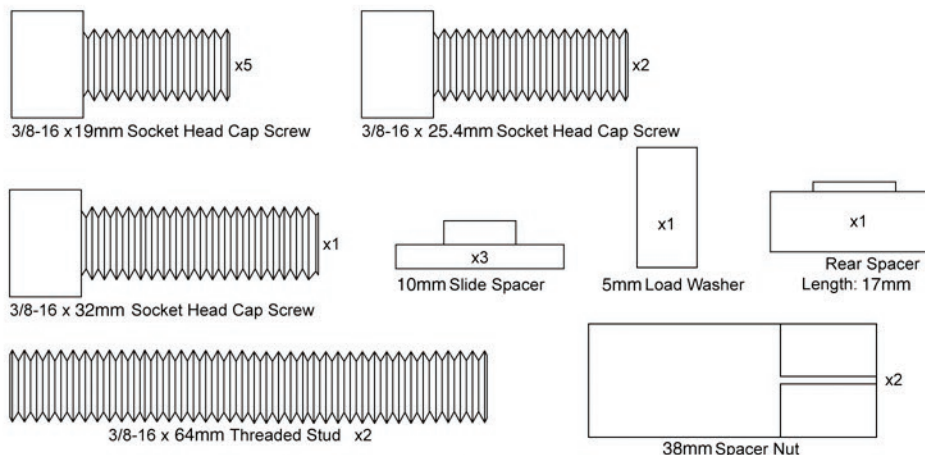
Do not press or hammer the pulley onto the shaft, this will destroy the pump.

Make sure pump still spins freely

13) Install belt; adjust belt tension by moving pump in brackets.

When proper belt tension has been achieved, tighten all fasteners firmly. Check belt tension again and adjust if necessary. Do not over tighten belt! Serious damage may occur to the accessory drive bearings resulting in premature wear.

14) Install power steering lines and fittings, inspect hoses for kinks or nicks and replace as necessary. Fill reservoir to the proper level and test run motor. Re-check belt tension and adjust if necessary. Re-check belt tension after 100 km's



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