



FM0230PC BBC Power Steering Bracket

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| Tools Required: | 3/8-16 Thread chaser (If necessary) |
| 5/16" Allen wrench | 7/16-14 Thread chaser (If necessary) |
| 3/8" Allen wrench | New water pump to engine block gaskets |
| 1/2" Open-end wrench | RTV silicone sealer |
| 9/16" Open-end wrench | Anti-seize |

It is recommended that you use the proper tools to remove and install the power steering pulley. KD Tools P/N2897 puller and installer set or similar will insure proper pulley service. Some auto parts stores rent out tool sets.

Recommended Belt: Goodyear 6 Rib #4060385 (38.5")* or Dayco #5060388 (38.8")*

*If running power steering only

- 1) Disconnect battery, drain coolant, & power steering fluids. Disconnect coolant & power steering lines. Remove all existing accessory drive brackets and components from motor.
- 2) 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 – see tool list)
- 3) Remove water pump, scrape away any existing gasket material.
- 4) Clean and prep threads in cylinder heads, use a thread chaser if necessary. 7/16-14 in engine block & 3/8-16 in water pump. Thread chasers are available at your local auto parts store or tool dealer and are different from a thread cutting tool.
- 5) Thread the 3/8-16 x 2-1/2" threaded studs from the power steering skin board into the driver 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 sealer to engine block and water pump.
- 6) Install gaskets and then water pump. There should be no more than 5/8" of thread left exposed on studs. If more than 5/8" 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 2" long spacer nuts (from the power steering kit) onto the exposed studs with the hex end out and install the passenger 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 3/4" 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 3/4" 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 1/2-13 x 3/4" socket head cap screw through the bracket and into the water pump and finger tighten.

Swing the rear steel bracket up and align with engine block lower mount boss, thread a 7/16-14 x 1-1/2" socket head cap screw through the thin 7/16" ID slide spacer, the rear steel bracket and the 21/32" 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 1" 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 3/4" socket head cap screws through the aluminum bracket and into the water pump spacer nuts and tighten firmly (46 ft/lbs). Do not install top bolt if installing kits with A/C #FM2213PC or #FM2214PC.

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.

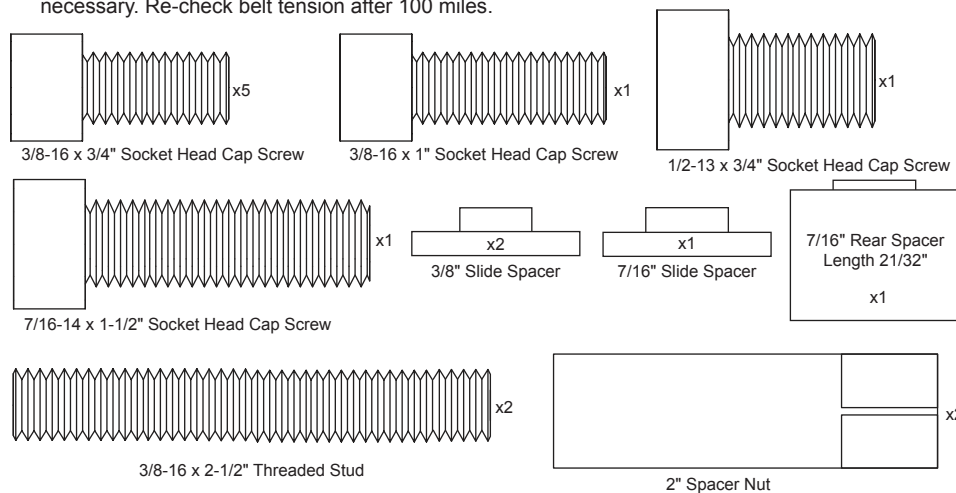
Do not press or hammer the pulley onto the shaft, this will destroy the pump.

13) For bracket kits that are included with a serpentine conversion kit skip the next step and go on to step 15

14) Install belt (38-1/2" recommended); 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. Go to step 16.

15) Only if you have purchased a complete serpentine conversion kit. Align pump so that the fill cap is level, tighten all fasteners firmly. Install power steering lines and fittings at this time. Return to the main kit instructions at this time.

16) 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 miles.





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