

## Chevy Small Block Pulley Kit

### INSTALLATION METHOD FOR PULLY KIT



## PULLEY KIT INSTALLATION

### PREPARATION FOR INSTALLING PULLEY KIT

1. Disconnect battery and remove it entirely as you will be disconnecting the lead from the back of the alternator later.
2. Drain power steering fluid and engine coolant.
3. Remove entire existing belt drive setup from your engine including crank pulley, alternator, AC compressor (if equipped), power steering pump (if equipped), water pump and all brackets.
4. Clean all mating surfaces thoroughly.

**Note:** Please use extra caution while handling, unpacking, and installing new components so you do not damage the finish.

### INSTALLING WATER PUMP

1. Install the four new mounting studs to the block. (Figure 1)

**Caution:** When tightening the four studs be mindful of the blind holes. Over torquing the blind holes may crack the block.

**Note:** Use the two included hex nuts tightened against each other to act as a drive nut to ease installation (see illustration below)

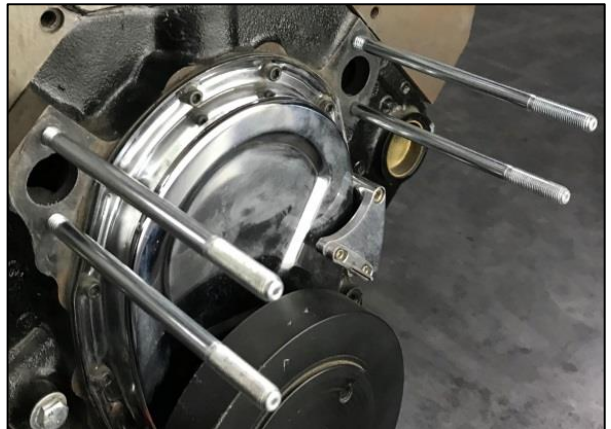
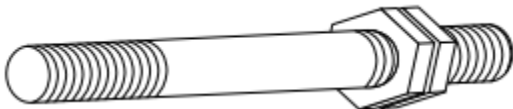


Figure 1

2. Slide the water pump, with gaskets, over the studs and seat against the block. (Figure 2)



Figure 2

## INSTALLING BRIDGE BRACKET

1. Install the four 3.5" spacers on the studs.  
(Figure 3)



Figure 3

2. Align the four studs to the four holes on the pulley bracket and slide on the bracket. Mount the bridge bracket in the correct position, as shown. (Figure 4)



Figure 4

3. Use the four 9/16" nuts to firmly tighten the bridge bracket.

## INSTALLING WATER PUMP PULLEY

1. Install water pump pulley use the four 6mm socket head cap screws (3/4" long) bolts to tighten down to 16 ft-lbs. (Figure 5)



Figure 5



## INSTALLING CRANK PULLEY

1. Mount the crank pulley with the spacer. (Figures 6 and 7) Push the flat face of the spacer against the damper.

**Note:** The raised portion of the crank pulley sits in the recessed portion of the spacer.



Figure 6: Crank Pulley



Figure 7: Spacer

2. Use the three 8mm (1 5/8" long) bolt to tighten crank pulley assembly 30 ft-lbs (Figures 8 and 9)



Figure 8: Side view of the crank pulley/spacer assembly



Figure 9: Front view of the crank pulley/spacer assembly

## INSTALLING AIR COMPRESSOR

1. Mount the air compressor in the top left location of the bracket. (Figure 10)



Figure 10: Air compressor installed in the correct location.

2. Use the 6mm (3/4" long) and 13mm full threaded bolt to firmly tighten down the air compressor.

**Note:** Thread the 6mm socket head cap screw through the top hole of the bracket and compressor. Use the 13mm full threaded bolt on the bottom slot of the bridge bracket.

3. Install the air compressor cap; use the three 5mm (3/4" long) bolts to firmly tighten the cap. (Figure 11)



Figure 11: Air compressor cap installed

## INSTALLING POWER STEERING PUMP

1. Use the two 2" spacers with the 8mm (3 inch long) socket head cap screws to firmly tighten down the power steering pump (Figures 12 and 13)



Figure 12: Power steering bracket mounted correctly



Figure 13: Side view of the mounted power steering bracket. Notice the two inch spacers behind the bracket.

2. Mount the power steering pump using the two 6mm (1 inch long) bolts and tighten firmly. (Figures 14 and 15)



Figure 14: Front view of the power steering pump mounted on the bracket.

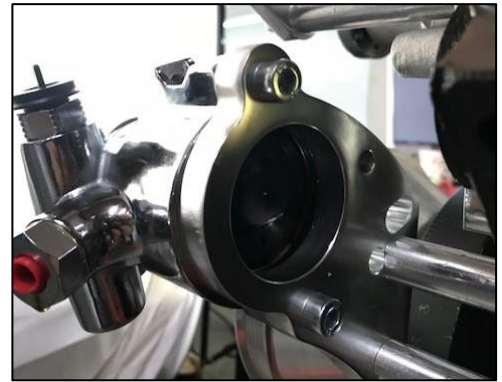


Figure 15: Rear view of the power steering pump. The two socket head cap screws installed from the rear.

3. Install the power steering pulley then tighten the 6mm bolts firmly. (Figures 16 and 17)



Figure 16: Power steering pulley installed with the 6mm socket head cap screws firmly tighten.

Figure 17: Front view of the full power steering pump assembly.

## INSTALLING THE ALTERNATOR

1. Mount the alternator in the correct position. (Figure 18)



Figure 18: Mounted in the correct location of the bridge bracket.

2. Use the 1/2" ( 3" long) bolt to firmly tighten down the alternator and use given bolt that comes with the alternator to tighten it

**Note:** Run the 1/2" bolt through the top hole of the bracket and alternator. Use the given bolt on the bottom slot of the bridge bracket.



## INSTALLING THE SERPENTINE BELT

1. Route the belt as shown.

