

## NOTICE

TO PROTECT & PRESERVE YOUR BLACK POWDER PAINTED OR CHROME PLATED BRACKETS' FINISH, BE SURE AND APPLY A GOOD QUALITY WAX SUCH AS CARNAUBA, AS NEEDED.



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## INSTALLATION INSTRUCTIONS

**916-67929**

**116V / 117V / 118V**

**VORTEC BRACKET**

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TO MAKE INSTALLATION EASIER, PLEASE READ ALL THE INSTRUCTIONS BEFORE INSTALLING THE BRACKET.

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### **VORTEC / SMALL BLOCK / LONG WATER PUMP / AIR CONDITIONER BRACKET INFORMATION**

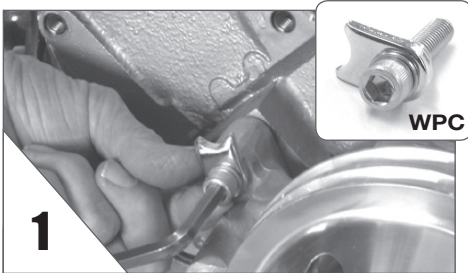
- Air Cond. bracket designed for the Small Block Chevy using **VORTEC STYLE HEADS**.
- For use with the **LONG WATER PUMP ONLY** with the 7" pulley hub offset ONLY.
- Positions the air conditioner on top of the engine, keeping it as low as possible for a top mounted bracket.
- No drilling or tapping is required. The bracket mounts using only the factory drilled hole on the front face of the head.
- All bracket hardware is pre-assembled in the proper location as it will need be when installed.
- When installing the bracket, leave all the bolts snug but not tight UNTIL alignment of the belt, belt length and bracket positioning have been verified. If it looks good, go ahead and tighten the bolts and adjust the belt tension.
- Use LOCTITE #242 (blue) on all bolts for final assembly.

### **TOOLS REQUIRED FOR INSTALLATION ARE:**

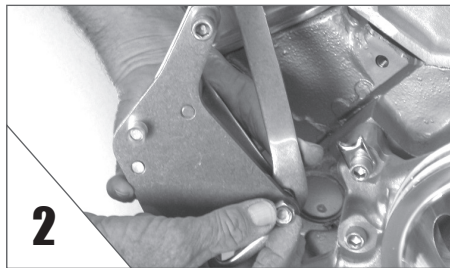
- 1/4" Allen Wrench, 5/16" Allen Wrench, FLATHEAD Screwdriver (for aide in Step #5 of Installation Instructions).

### **AIR CONDITIONER USED WITH THIS APPLICATION IS:**

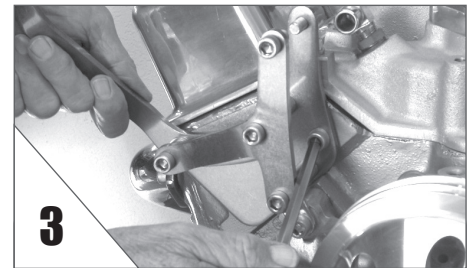
- **SANDEN SD-508 Air Conditioner Compressor.**

HOW TO INSTALL YOUR **VORTEC** SMALL BLOCK CHEVY ALTERNATOR BRACKET

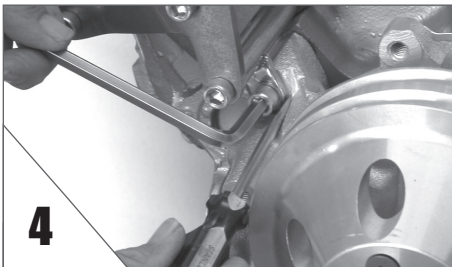
**1**  
**INSTALL** the WPC (inset) by removing the top water pump bolt. Leave slightly loose.



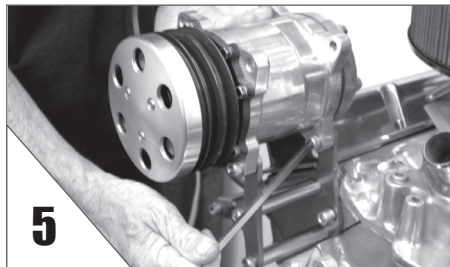
**2**  
**REMOVE** the nut and plastic sleeve from bracket. Keep bolts and adjusting arm in place. Do not disassemble the bracket.



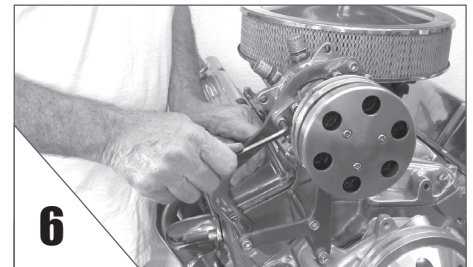
**3**  
**INSTALL** the bracket to head and intake manifold and snug up. Pivot the adjusting arm out to the side for now.



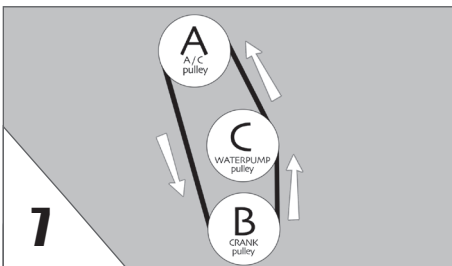
**4**  
Using a **FLATHEAD** Screw Driver, **LIFT** the WPC up to the lower spacer and tighten.



**5**  
**INSTALL** the compressor to the bracket as shown above.

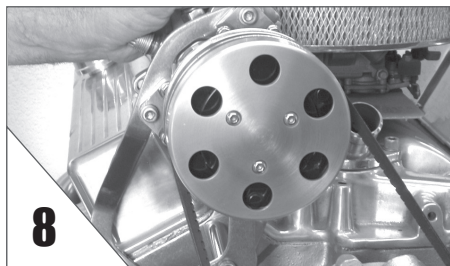


**6**  
**SWING** the adjusting arm up and bolt it to the compressor with the two bolts. Snug the bolts only for now, not tight.



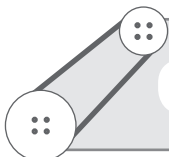
**7**  
**INSTALL A/C BELT IN THE FOLLOWING ORDER:**

- A/C pulley ( **A** ) first,
- Crank pulley ( **B** ) second,
- Water Pump pulley ( **C** ) last



**8**  
**INSTALL A/C BELT IN THE FOLLOWING ORDER:**

- A/C pulley ( **A** ) first,
- Crank pulley ( **B** ) second,
- Water Pump pulley ( **C** ) last

**BELT SIZE SUGGESTIONS**

- with **ALUMINUM PULLEY** - Try Gates **7520**
- with **STEEL PULLEY** - Try Gates **7535**

**BELT ADJUSTING TIPS**

- Due to the limited adjustment range of the belt when the A/C is put between the valve covers and the intake manifold, you may have to do the following to get the belt to adjust properly.
- If the belts you try are too short to get on the pulleys, but the next size is too long, try a narrower belt first. If that doesn't work, proceed to the next step.
- Take the bolt out of the A/C Compressor that holds the adjusting arm to the Compressor. Slip the belt over the compressor pulley 1st, then into the crank pulley, and then the water pump pulley. Then pull the unit out to where you can put in the bolt for the adjusting arm and snug up. Then proceed to use the adjusting arm as normal to get the proper tension. This works well for us when there are no alternate belt lengths or widths to try, but are close to one of them so adjustment can be achieved.