

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.



phone **800.979.0122**

fax **800.736.3733**

340 Victory Lane • Lincoln NE 68528

www.SpeedwayMotors.com



INSTALLATION INSTRUCTIONS

916-67925

104V / 105V / 106V

VORTEC BRACKET

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

SMALL BLOCK AIR CONDITIONER BRACKET INFORMATION

- Air Cond. bracket designed for the Small Block Chevy using **LATE STYLE HEADS** (1970 & later) with accessory holes on face.
- For use with the **SHORT WATER PUMP** with the 5/8" 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.

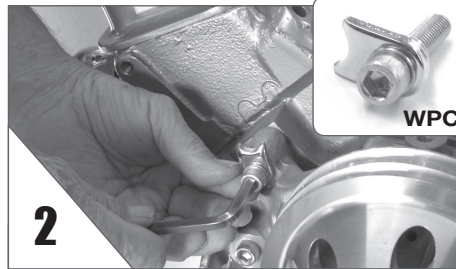
AIR CONDITIONER USED FOR THIS APPLICATION

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

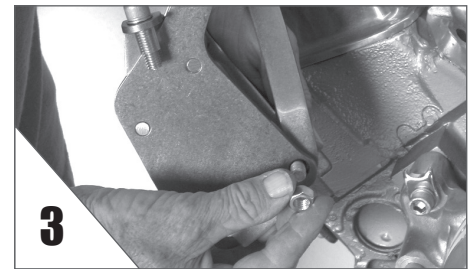
HOW TO INSTALL YOUR SMALL BLOCK CHEVY AIR CONDITIONER BRACKET



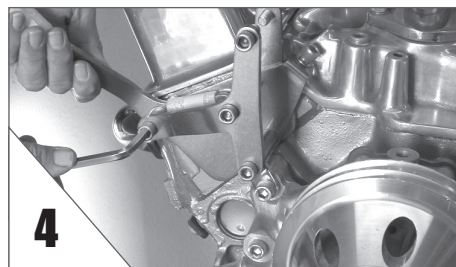
1 REMOVE the 1st intake manifold bolt.



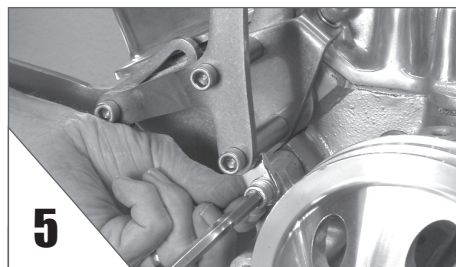
2 INSTALL the WPC (inset) by removing the top water pump bolt. Leave slightly loose.



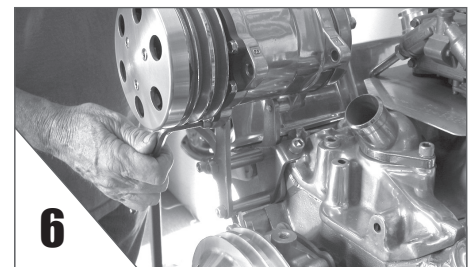
3 REMOVE the nut and plastic sleeve from bracket. Keep bolts and adjusting arm in place. Do not disassemble the bracket.



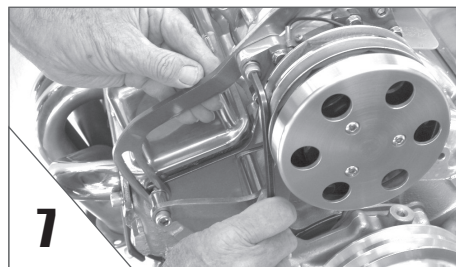
4 INSTALL the bracket to head and intake manifold and snug up. Pivot the adjusting arm out to the side for now.



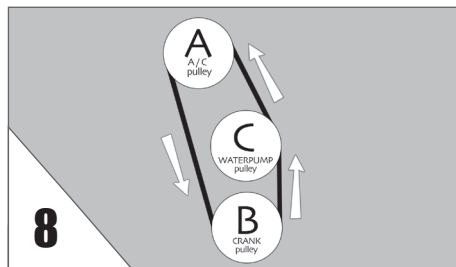
5 PUSH the WPC up to the lower spacer and tighten.



6 INSTALL the compressor to the bracket. PLEASE keep the 5/8" long spacer between the back plate and compressor ear.

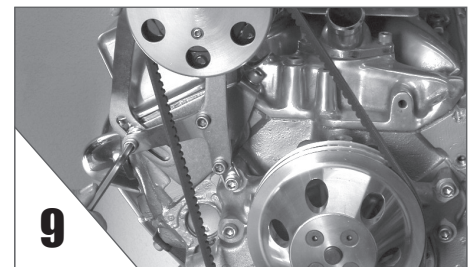


7 SWING the adjusting arm up and bolt it to the compressor with the two bolts. Snug the bolts only for now, not tight.

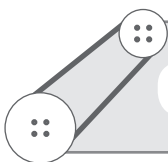


8 INSTALL THE A/C BELT IN THE FOLLOWING ORDER:

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



9 ADJUST belt for tension. TIGHTEN up all bolts now and check for proper alignment.



BELT SIZE SUGGESTIONS

- with **ALUMINUM PULLEY** - Try Gates **7516** or **7520**
- with **STEEL PULLEY** - Try Gates **7516** or **7520**

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.