



**Application:** 1985-1991 Corvette



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**Part Includes**

1 - Replacement Pulley Kit

## Air Pump Replacement Pulley Kit-Polished Aluminum



### Tools Needed



**Work Safely - Use eye protection, be sure engine is cool & disconnect battery cable prior to installation.**

#### STEP 1.

Use Serpentine Belt Tool or Breaker Bar to take tension off of belt. Slide tool into opening on belt tensioner and turn clockwise. This will relieve tension on the belt and allow you to slide it off of the alternator and air pump pulleys.

#### STEP 2.

At the rear of the alternator is a brace. Loosen bolts and remove brace. Next, loosen, but do not remove lower alternator bolt.

#### STEP 3.

Remove bolts and dismount air pump to alternator bracket.

#### STEP 4.

Swing alternator out of the way.

#### STEP 5.

Remove black bracket connecting air pump to intake manifold.

#### STEP 6.

With screwdriver, loosen clamp on air pump hose & pull hose away from pump outlet.

#### STEP 7.

Beneath air pump are two bolts and a stud with nut. Remove bolts and nut.

#### STEP 8.

Carefully remove air pump and set aside.

#### STEP 9.

Remove air pump stud.

#### STEP 10.

Use supplied 3/8" diameter bolt and install in cylinder head hole directly under air pump (outer hole - to the right, looking at the front of the engine).



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## **Description (cont.)**

### **STEP 11.**

Tape over or plug air pump hose to prevent debris from entering. You may remove hose and piping, but be sure to leave check valves in place.

### **STEP 12.**

Install pulley kit in place of air pump. Large spacer should be in upper position – short spacer in lower position. Screw bolts finger-tight into holes in engine.

### **STEP 13.**

Swing alternator back into position & loosely re-install rear brace.

### **STEP 14.**

Swing pulley kit's upper brace into position with alternator. Upper alternator bolt hole should align with one of the holes in the end the brace.

### **STEP 15.**

Install 5/16" bolt through brace and upper hole of alternator & secure with washer, lock washer and nut.

### **STEP 16.**

Check alignment of kit pulley with alternator pulley. You may need to shim the long & short kit spacers out from engine with supplied washers.

### **STEP 17.**

Once pulleys align, retighten all bolts: (3/8" bolts – approx. 50 ft./lbs., 5/16" bolts 35 ft./lbs.)

### **STEP 18.**

Use Serpentine Belt Tool or Breaker Bar to depress tensioner and install new belt on pulleys. Remove Tool or Bar.

### **STEP 19.**

Connect battery cable, start car and check for correct belt operation.

**This Kit is for off-road or race use only. Not legal for sale or for use in California for street driven vehicles.**