

INSTALLATION INSTRUCTIONS FOR A/C/ALT 194, 230, 250, AND 292

Vintage Air Part # 146036

Figure 1



This easy-to-install air conditioning/alternator bracket kit allows fitting your engine, without the hassle of finding multi-groove-pulley pieces: instead, adapting to existing, factory set-up, consists of (5) major components:

(1) Compressor Bracket (2) Alternator Bracket (3) Compressor Straps (4) Alternator Strap (5) The triangle. The junction for the straps. All necessary hardware is included.

Figure 2



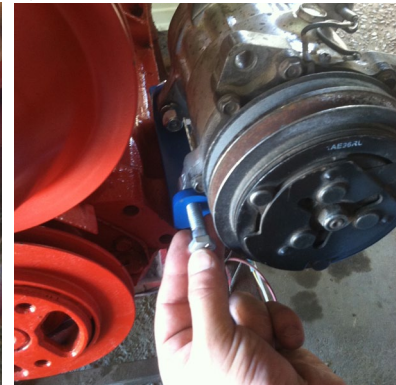
Begin installation by removing alternator and bracket from the engine block. Drain coolant to a level below the thermostat housing, and remove it from the cylinder head.

Figure 3



Install the compressor bracket where the alternator was.

Figure 4



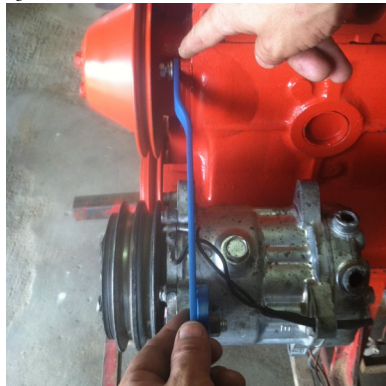
Position the compressor with fittings pointing the desired direction, using the included hardware, keeping the fill plug above horizontal.

Figure 5



Position the junction triangle *behind* the forward compressor "ear", directly opposite the bracket, with the long side pointing up. Secure it to the compressor with bolt head at front, nut behind, through the smooth hole.

Figure 6



Remove the upper/driver's side water pump bolt and, using the new, longer bolt, install the single-hole end of the longer strap (finger-tight for now). ('292's see note, below)

Figure 7



Install the alternator bracket between the thermostat housing and cylinder head, placing a gasket on each side of the bracket using the new, longer bolts.

Figure 8



Go ahead and tighten, 'cause this is finished.

Figure 9



Put the alternator in its bracket, with bolt front-to-rear, loosely.

Figure 10



Now, using one of the shorter 5/16" bolts, with lock washer and flat washer, install the slotted end of the compressor strap and the single hole alternator strap, on the face of the triangle, with the off-set of the alternator strap-up, behind the mount ear of the alternator.

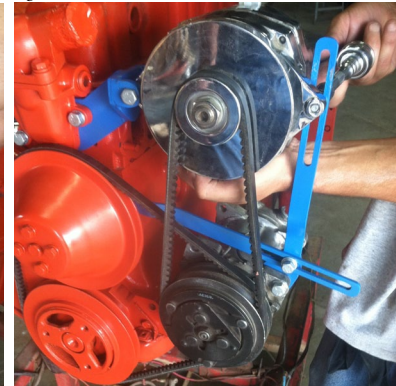
Figure 11



Use the other 5/16" bolt, flat washer and lock washer through the slot of the alternator strap, into the alternator "ear", from behind, as shown.

NOTE: '292 engines, with their taller blocks, may wish to swap places with the straps, putting the longer one from compressor to alt.

Figure 12



Tentatively, position the triangle junction bolt in middle of the compressor slot. Ditto, for the alternator, for measurement of the belts. This should be the final position of each, with the belts installed. The main belt will encompass: harmonic balancer, water pump and rear compressor groove. The secondary belt will run from compressor front groove to alternator.

Finally, in filling the cooling system, if there is a sending unit in the top of the cylinder head, remove it until coolant reaches that level, thus, eliminating a possible steam pocket. Re-install the sending unit, and complete the filling process. You did well. Enjoy!