

KILBY ENTERPRISES

Kit Contents:

- Main mounting plate
- Upper support bracket
- Spacer plate
- 061-003 Serpentine/V groove pulley
- Gates 7300 V-belt
- Instructions

Hardware:

- 3/8-16 x 7/8" Flange Head Bolts (4)
- 3/8" Flat Washers (4)
- 5/16-18 x 1.25" Hex Head Bolts (2)
- 5/16" Flat Washers (6)
- 5/16-18 Lock Nuts (4)

1. First off, disconnect the battery. Don't need to be shorting anything out!
2. Loosen the factory serpentine belt and remove the alternator.
3. Using an impact gun, remove the nut holding the stock pulley on the alternator and replace the pulley with the new 061-003 combo pulley supplied in the kit. Do NOT over tighten the nut. Thread damage may occur if over torqued.
4. Reinstall the alternator and torque bolts to 41 ft lbs. Do not tighten the serpentine belt at this time.
5. Remove the four bolts holding the factory AC compressor. Gently lift the AC compressor and place the 5.50" x 1" spacer plate between the AC compressor and the factory bracket, on the side closest to the engine. Set the AC compressor on the spacer plate and put two bolts in loosely to help hold the plate in place. Lift the end closest to the fender and slide the main mounting bracket between the AC compressor and the factory mount. Re-use the factory bolts and snug those two bolts down. See the pics to right.
6. Remove the two bolts that you put in loosely in the step above. Set the upper support bracket in place and re-use the factory bolts. These bolts will pass through the upper support bracket, AC compressor, spacer plate, then into the factory mount. Now use the two 5/16 x 1.25" bolts, Nylock nuts and four flat washers to secure the top of the upper support bracket to the top of the main mounting plate. Tighten up all six bolts now. The four bolts holding the AC compressor should be torqued to 21 ft. lbs. Be sure you don't over tighten them!
7. Tighten the serpentine belt.
8. Ok, so far so good. Now you need to install your York compressor to the main mounting plate using the four 3/8 x 7/8" bolts and washers supplied. Install the V belt and make sure the compressor doesn't interfere with anything.
9. Customers with 1999 TJ's with AC will have to cut the inner fender to make room for the compressor. Hold the compressor to the mounting plate, mark the inner fender and cut the necessary amount of material away. Make sure you leave enough room for belt clearance and compressor clearance.
10. Note: If the belt alignment is off, you may have the wrong clutch on your York compressor. Contact Kilby Enterprises for help.
11. Note: Pay close attention to the aluminum AC line that runs along side the inner fender (on some models). Depending on how your rig is setup, (bodylift, engine lift, xfer case lowering kit), you may have to cut more or less fender material or bend the core support rod above the compressor to make proper clearance.



Thanks for buying a Kilby Enterprises product!

