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## RPI PART #CMB279 DRIVE BELT INSTALLATION INSTRUCTIONS

**WARNING:** Disconnect compressor from power source before servicing. Following all local, NEC and OSHA safety guidelines.

1. Remove the belt guard by removing the two (2) mounting bolts (*see Figure A*).
2. Remove the old belt by loosening the set screw in the center of the pulley on the compressor head (*see Figure A*).
3. Remove the old belt from pulleys and clean the belt guard and wipe down the compressor head, motor, and pulleys with a damp cloth. Install the new belt and tighten the set screw in the center of the pulley on the compressor head (*see Figure A*).
4. Check the belt tension by using a straight edge and **Belt Tension Tester (RPI Part #RPT954)**. Proper adjustment is a 1/2" deflection on the Belt Tension Tester (*see Figure B*).

If tension needs to be increased or decreased to obtain the 1/2" deflection, loosen the drive motor mounting nuts, and move the motor to tighten or loosen the drive belt and then re-tighten the drive motor mounting nuts. Recheck the tension of the drive belt. Repeat as needed until proper deflection is attained.

5. Reattach the belt guard before returning power to the compressor. **WARNING:** Before turning the compressor on, the belt guard must always be installed on the precooling platform.
6. Check operation of the compressor, listening for any loud squeaks or labored running noises.

Figure A

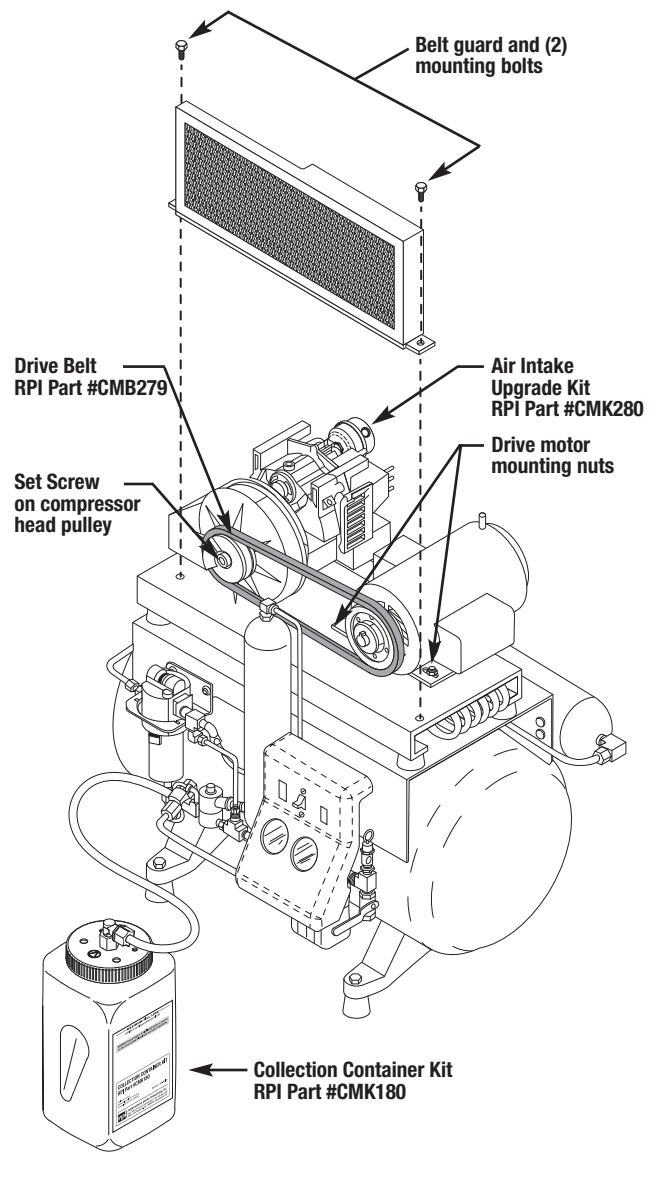
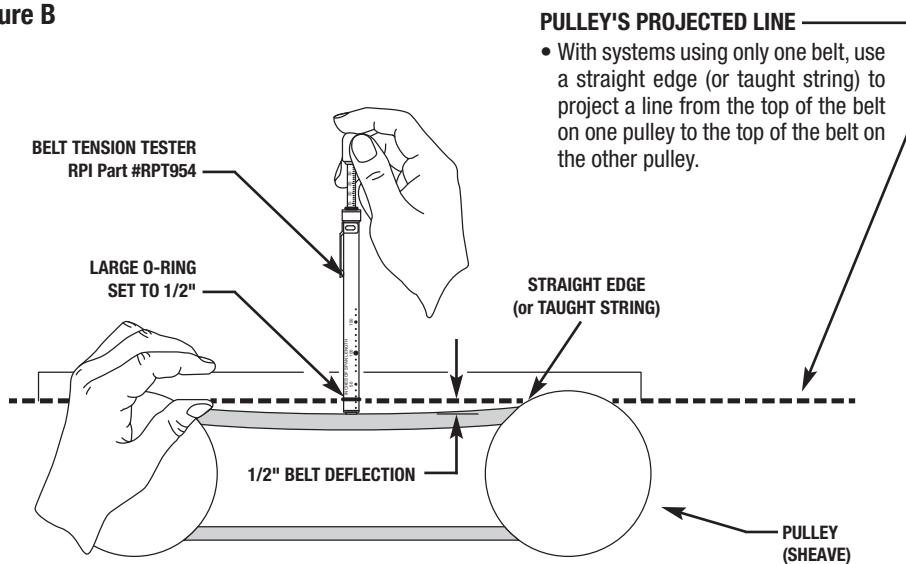


Figure B



### SERVICE TIPS FOR V-DRIVES

- Inspect pulleys (sheaves) and replace worn or damaged pulleys. Verify pulley alignment to within 1/2°, or 0.10" per foot of center distance.
- Do not mix old and new belts on multi drive systems and do not mix belts from different manufactures on the same drive.
- The ideal belt tension is the lowest tension at which belts will not slip under peak loads. Excessive belt tension will shorten belt and bearing life.
- Run motor long enough to fully seat the belt and recheck tension.
- Keep belts free of foreign materials. Do not use belt dressing as this will deteriorate the belt causing early failure.