

How to Tighten Blower Belts on a Compact 45/47 Direct Drive Truckmount

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Tools Required:



- Tensioner tool
- ¾ wrench
- Marker (suggested: A Black Fine Tipped Sharpie)

Before tightening the blower belts check to make sure the belts to be tightened are in good condition: no excessive wear, cracking or chunks missing from the belts. Damaged belts can become a safety hazard and can cause severe injury if the belts snap.

Step 1

Start by making sure that the belts are around the Rear PTO shaft pulley wheel, blower pulley wheel and the pulley wheel on the tensioner arm. Check to make sure the alignment for these pulley wheels are correct and aligned. Miss alignment will cause damage to belts and over time on bearings due to excessive side load.

Make sure that the center ¾ inch nut is loose and that the tensioner can rotate freely by hand. Grip the rear of the tensioner (Slotted/grooved) and rotate the rear of the tensioner as far as you are able to (clockwise). This eliminates the spring slippage internally and marks the starting point of the spring

tension. Mark the grooved (rear plate) of the tensioner with a sharpie where the rear grooved plate meets the first mark on the housing for the spring. (See picture below)



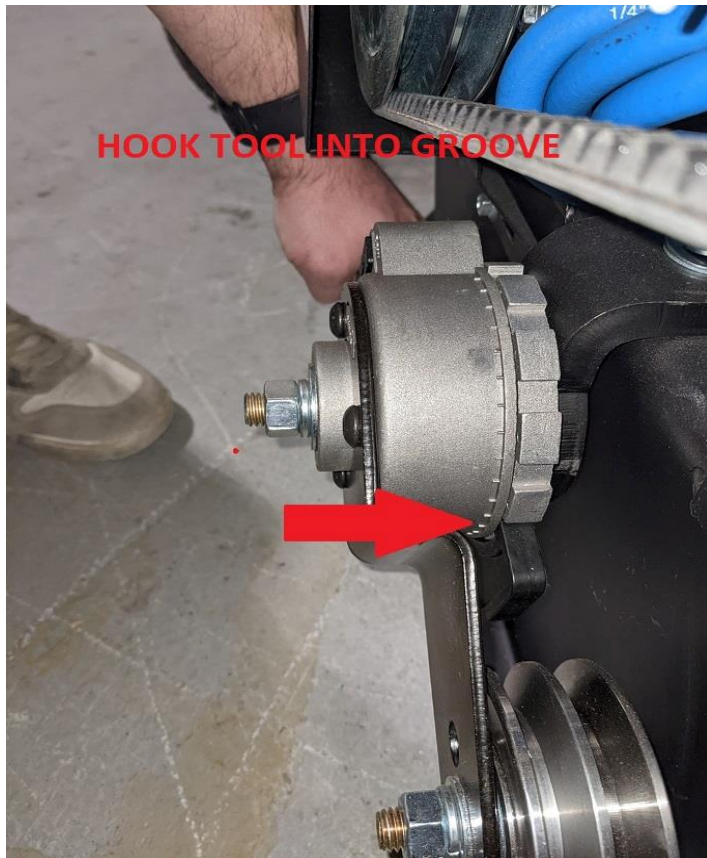
Step 2

Release tension and label the remaining marks on the spring housing starting with (1) and going all the way to (9). Each mark on the spring housing representing 10 degree angles. (See picture below)



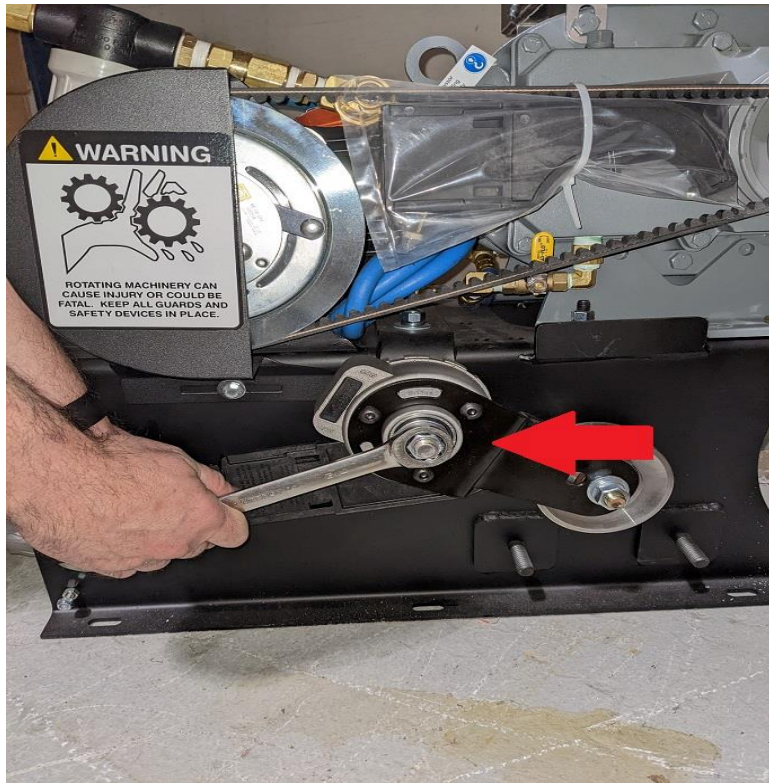
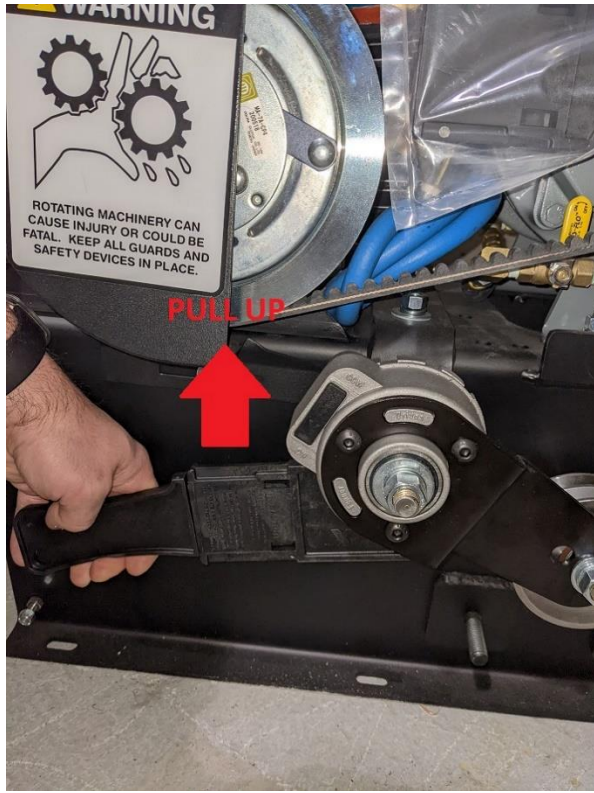
Step 3

Insert the tensioner tool between the floor and the tensioner with the curved side of the tool facing up and latch the tip of the tool into a grooved slot on the rear of the tensioner plate. (See picture below)



Step 4

Pull the handle of the tensioner tool UP (rotate Clockwise) towards you causing the tensioner arm to rotate down, applying tension on the belts. Use a $\frac{3}{4}$ wrench to tighten the center nut. Tighten until you can release the tensioner tool from the rear grooved plate of the tensioner and the tension holds with just the $\frac{3}{4}$ center nut holding the tension in place. (See pictures below)



Step 5

Reposition the tensioner tool to hold the tension while you loosen the center $\frac{3}{4}$ nut and repeat step 4 by pulling the tensioner tool up (Rotating clockwise) towards you until the mark on the rear groove plate reaches the (8) mark (80 Degrees) on the spring housing. (See picture below)

Retighten the center $\frac{3}{4}$ nut until it can hold the tension without the help of the tensioner tool. (This Step MAY need to be repeated multiple times depending on how far you are able to latch the tensioner tool onto the rear grooved tensioner plate and rotate)



DO NOT over tighten blower belts past the 80 degree (Number 8 mark) mark. If you find that the belts are still too loose after tightening the belts with the instructions above, you may have belts that are either a) the wrong size, or b) stretched out and in need of replacement.

Please replace damaged or stretched belts with correct sized belts (AX45 belts).

NEVER operate a Cleanco unit with only (1) blower belt.

Tensioner tools are NOT sold separately.