



V-Belt Tensioner Conversion Kit

HIRED-HAND®

*Converts a Power Twist Belt to V-Belt with Tensioner

⚠ WARNING

Disconnect all Electrical Power before installing the V-Belt Tensioner.

IMPORTANT!

Locate packing slip and make sure that all listed parts are enclosed. If not, call your Hired-Hand distributor immediately. Please read and understand all instructions in this manual before installing V-Belt.

Tools Required:	7/16" Ratchet Set
Straight Edge	7/16" Wrench
1/2" Ratchet Set	1/2" Wrench
5/32" Allen Wrench	

Parts List

MegaFlow KIT 48 Conv PT to Belt Ten (6650-1020)		
Part Number	Qty	Description
6403-9201	1	MF-36/48S Idler Pulley Assembly
1011-9005	1	Sheave Idler Assy Alum 3.5V
0404-4665	1	FAB GS 48 MF Belt tension bracket
1004-1426	1	Cap Screw 3/8-16x1 hx2 Z
1004-6020	1	Cap Screw-20x3/8 Hx Ws Zinc
1004-1402	6	Cap Screw 1/4-20x3/4 hx2 Z
1001-1446	6	Lock Nut 1/4-20 N/I hx Zinc
1003-1461	2	Flat Washer 1/4 USS Zinc
1022-3102	1	Belt AX49 Gold Label Cog Belt

Funnel Flow KIT FF 48 Conv PT to Belt Ten (6650-1030)		
Part Number	Qty	Description
6403-9207	1	FF-36/48S Idler Pulley Assembly
1011-9005	1	Sheave Idler Assy Alum 3.5V
0403-4891	1	FAB SS FF Mtr Tension Brkt
1004-1426	1	Cap Screw 8-16x1 hx2 Z
1004-6020	1	Cap Screw-20x3/8 Hx Ws Zinc
1004-5017	6	Cap Screw 1/4x20x3/4 Hx2 SS
1001-0104	6	Lock Nut 1/4-20 N/I hx SS
1003-0108	2	Flat Washer 1/4 SS
1022-3102	1	Belt AX49 Gold Label Cog Belt

MegaFlow KIT 36 Conv PT to Belt Ten (6650-1025)		
Part Number	Qty	Description
6403-9201	1	MF-36/48S Idler Pulley Assembly
1011-9005	1	Sheave Idler Assy Alum 3.5V
0404-4665	1	FAB GS 48 MF Belt tension bracket
1004-1426	1	Cap Screw 3/8-16x1 hx2 Z
1004-6020	1	Cap Screw-20x3/8 Hx Ws Zinc
1004-1402	6	Cap Screw 1/4-20x3/4 hx2 Z
1001-1446	6	Lock Nut 1/4-20 N/I hx Zinc
1003-1461	2	Flat Washer 1/4 USS Zinc
1022-3101	1	Belt AX44 Gold Label Cog Belt

Funnel Flow KIT FF 36 Conv PT to Belt Ten (6650-1040)		
Part Number	Qty	Description
6403-2158	1	FF-36" Tensioner Assembly
1011-9003	1	Sheave Idler Assy Alum 3"V
0403-5522	1	FAB SS 36 FF belt tension bracket
1004-1426	1	Cap Screw 8-16x1 hx2 Z
1004-6020	1	Cap Screw-20x3/8 Hx Ws Zinc
1004-5017	6	Cap Screw 1/4x20x3/4 Hx2 SS
1001-0104	6	Lock Nut 1/4-20 N/I hx SS
1003-0108	2	Flat Washer 1/4 SS
1022-3100	1	Belt AX34 Gold Label Cog Belt

Instructions

1. Turn off all power to the fan.
2. Remove the existing belt.
3. See **Figure 1**. Remove the four cap screws and lock nuts holding the motor and remove the motor. It is not necessary to remove the pulley from the motor shaft. Save the cap screws and lock nuts. They will be used in **Step 5** when re-installing the motor.

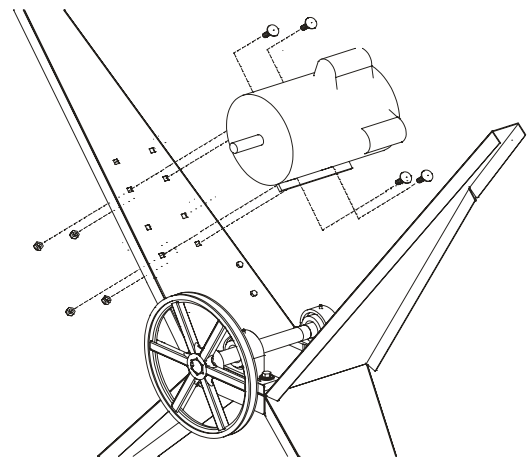


Figure 1 - Remove the Motor

4. Attach the Belt Tensioner as shown in **Figure 2** using 6 cap screws, 2 flat washers, and 6 lock nuts as specified in the parts list above. Note the location of the two flat washers for the mounting of the Tensioner.
5. Refer to **Figure 3**. Re-Install the motor in the upper mounting position using the four cap screws and lock nuts removed in **Step 3**.

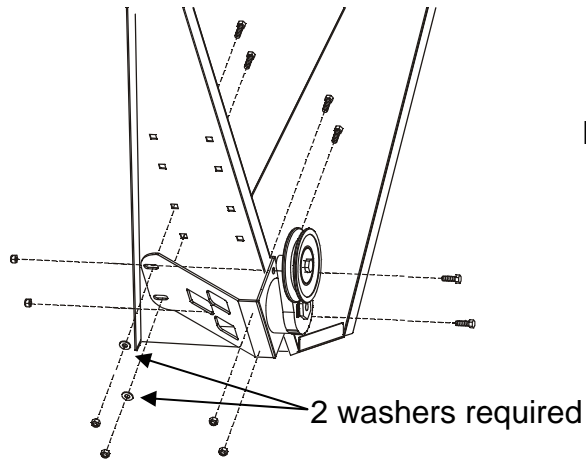


Figure 2 – Install Belt Tensioner

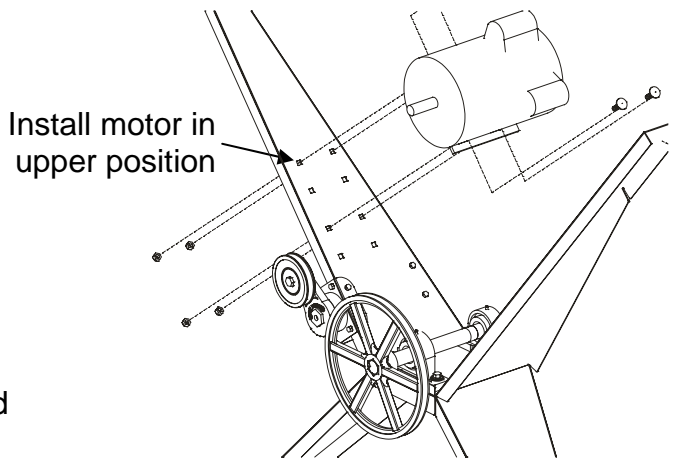


Figure 3 – Re-Install Motor

6. Refer to **Figure 4**. Use a straight edge to align the prop pulley and the motor pulley with the tensioner pulley as shown. If necessary, loosen the prop pulley set screw. Securely tighten set screw of motor pulley and prop pulley. Recommended torque is 110 in. lbs. minimum.

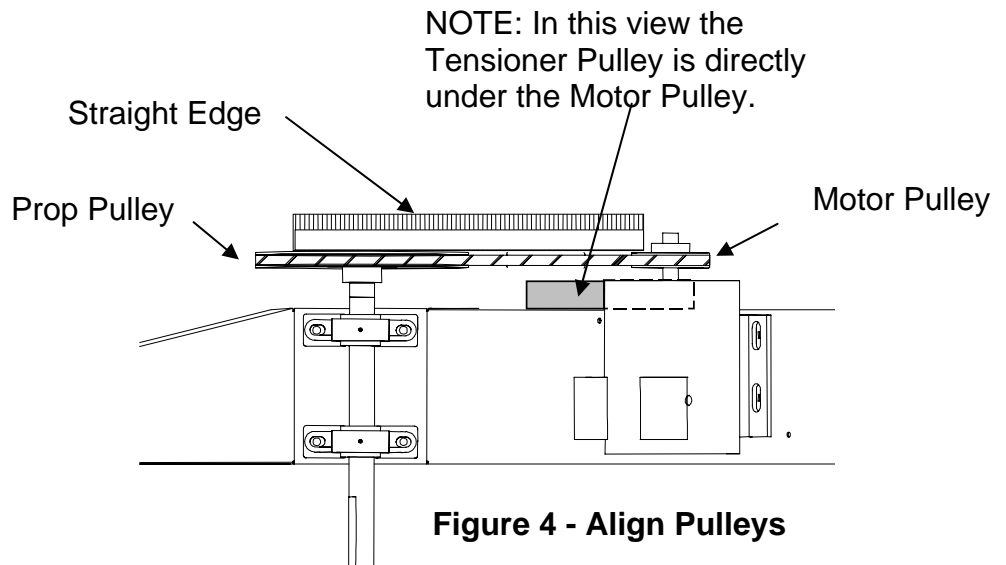


Figure 4 - Align Pulleys

7. Install belt onto motor pulley, tension pulley and prop pulley.
8. Re-assemble the fan and test for proper operation.
9. Installation complete.