



48" Belt Drive Turbo® Tensioner Retro-Fit Part No's. 50268, 50268-1

Installation Instruction

DANGER: Electrical Hazzard!! Disconnect electrical power before inspecting or servicing equipment.



DANGER: Rotating Fan Blade!! Keep Hands away. Disconnect power before servicing. Fan may start automatically. Do not operate the Fan without the screens in place.



Tensioner Installation Procedure

Rotate the Shutter Retainers (**Item 1, Figure 1**) and Remove the Shutter (**Item 2**) to gain access to the Fan Motor Area. Remove the Spring (**Item 3**) and Belt (**Item 4**) and while making sure there is enough slack in the Motor Cord (**Item 5**) to allow the Motor Pivot Plate (**Item 6**) to rest on the Motor Mount (**Item 7**).

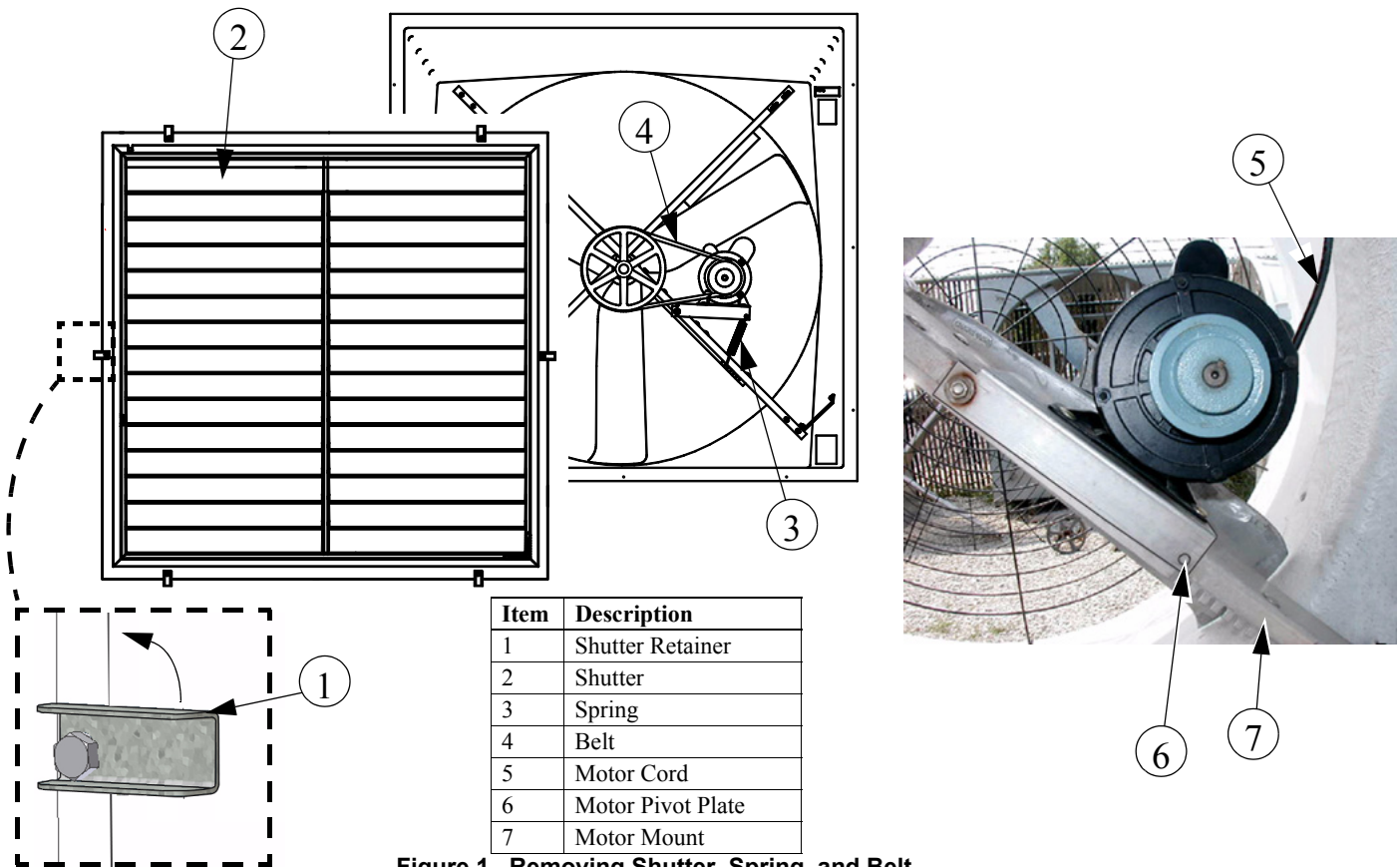


Figure 1. Removing Shutter, Spring, and Belt

Drill a 5/16" hole in the Motor Mount (**Item 1, Figure 2**) using the hole in the Motor Pivot Plate (**Item 2**) for a template. Use a 5/16 Bolt (**Item 3**) and Nut (**Item 4**) (included in parts package) to attach the Motor Pivot Plate to the Motor Mount **as shown**.

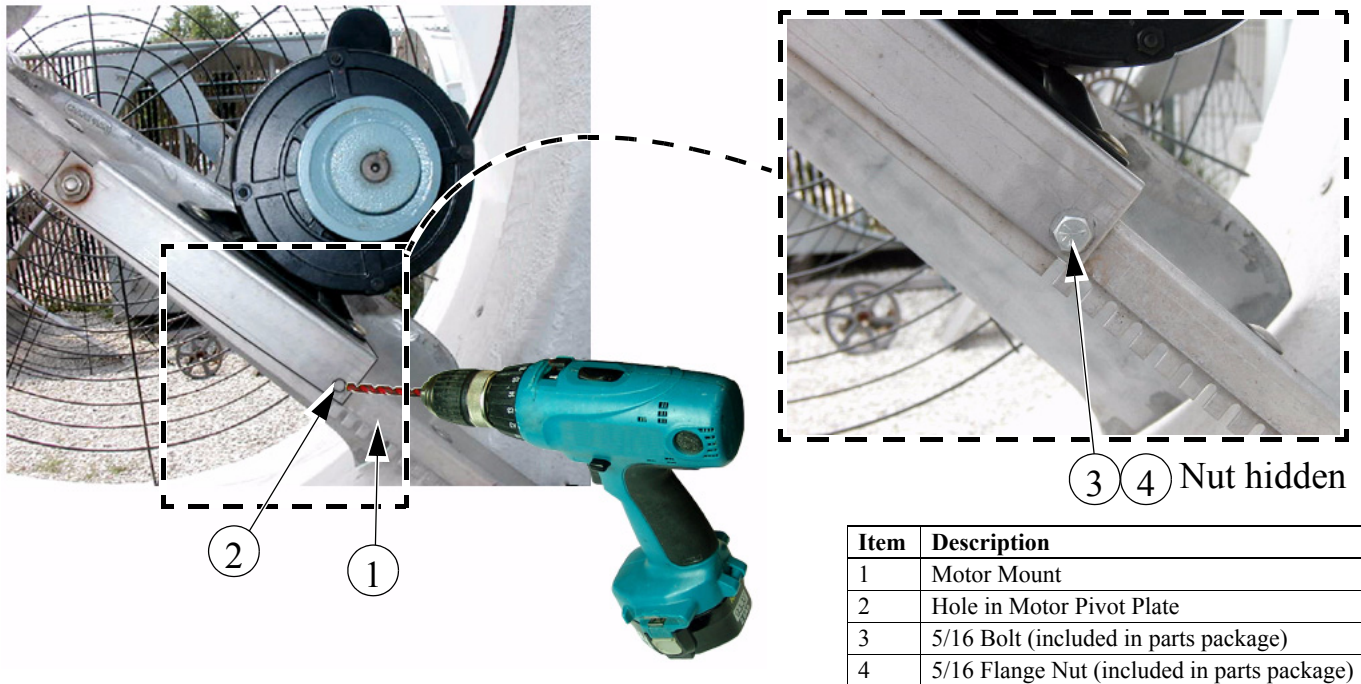


Figure 2. Drilling Hole in Motor Mount to attach Pivot Plate

Obtain the Drill Template *C-T part no. 50316* (**Item 1, Figure 3**) and set it on top of the Motor Mount (**Item 2**) **as shown**. Keep the flange of the Fixture flush with the back side of the Motor Mount and slide it down until it is flush with the flange of the Motor Mount Connector Angle (**Item 3**) **as shown**. Use the holes in the Fixture as a template to drill two 5/16" holes in the Motor Mount.

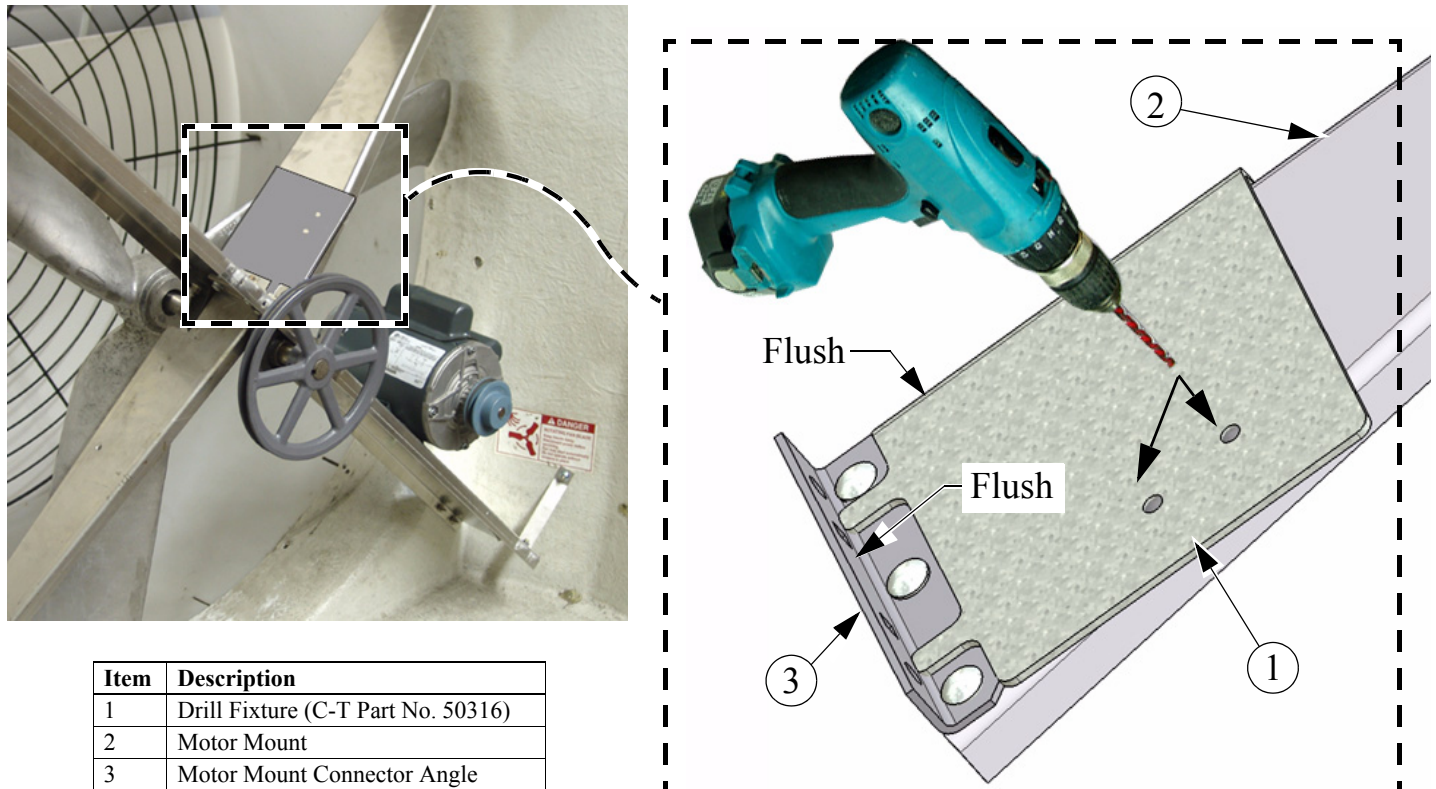


Figure 3. Drilling Holes in Motor Mount for Tensioner

Attach the Tensioner Bracket (Item 1, Figure 4) to the Motor Mount (Item 2) with 5/16 Carriage Bolts (Item 3) and 5/16 Flange Nuts (Item 4) (included in parts package) as shown.

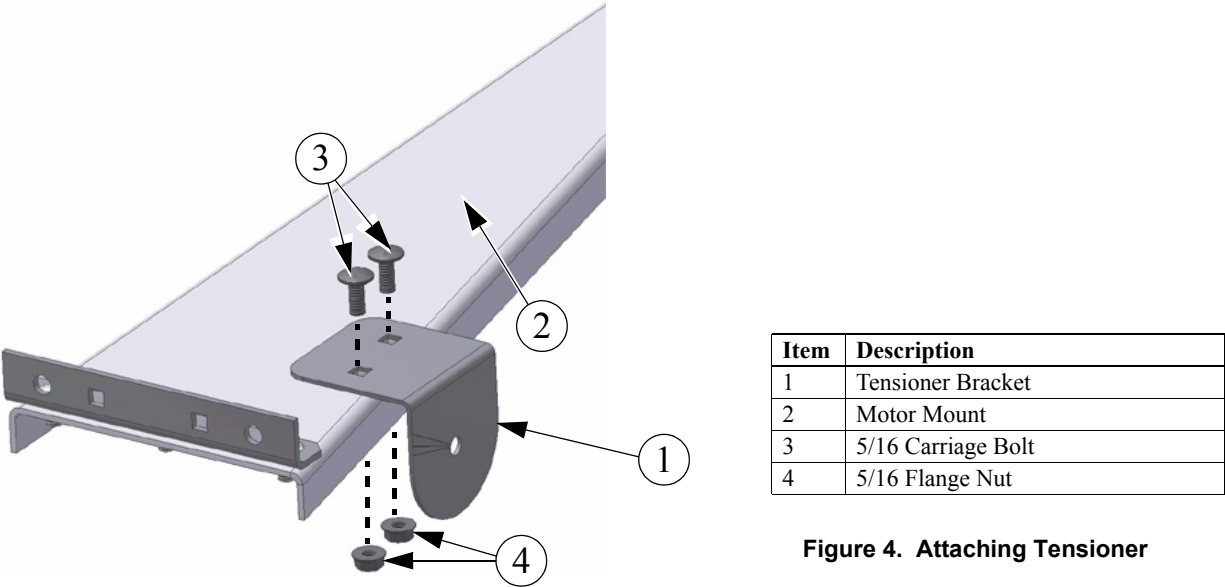


Figure 4. Attaching Tensioner

Use the **Chart below** to determine the correct position to set the Tensioner in for the specific Fan that you have. The Fan model number can be found on the Description Decal (Item 1) in the top right corner of the Fan. Line up the correct mark on the Tensioner (Item 2) with the etched line on the Tensioner Bracket (Item 3) according to the Chart, and fasten it to the Tensioner Bracket with the 3/8 Bolt (Item 4) and Lock Washer (Item 5) provided. In **Figure 5**, for example a 50232-515 is a 50232-51X series fan and; therefore should be adjusted to position "B" according to the chart.

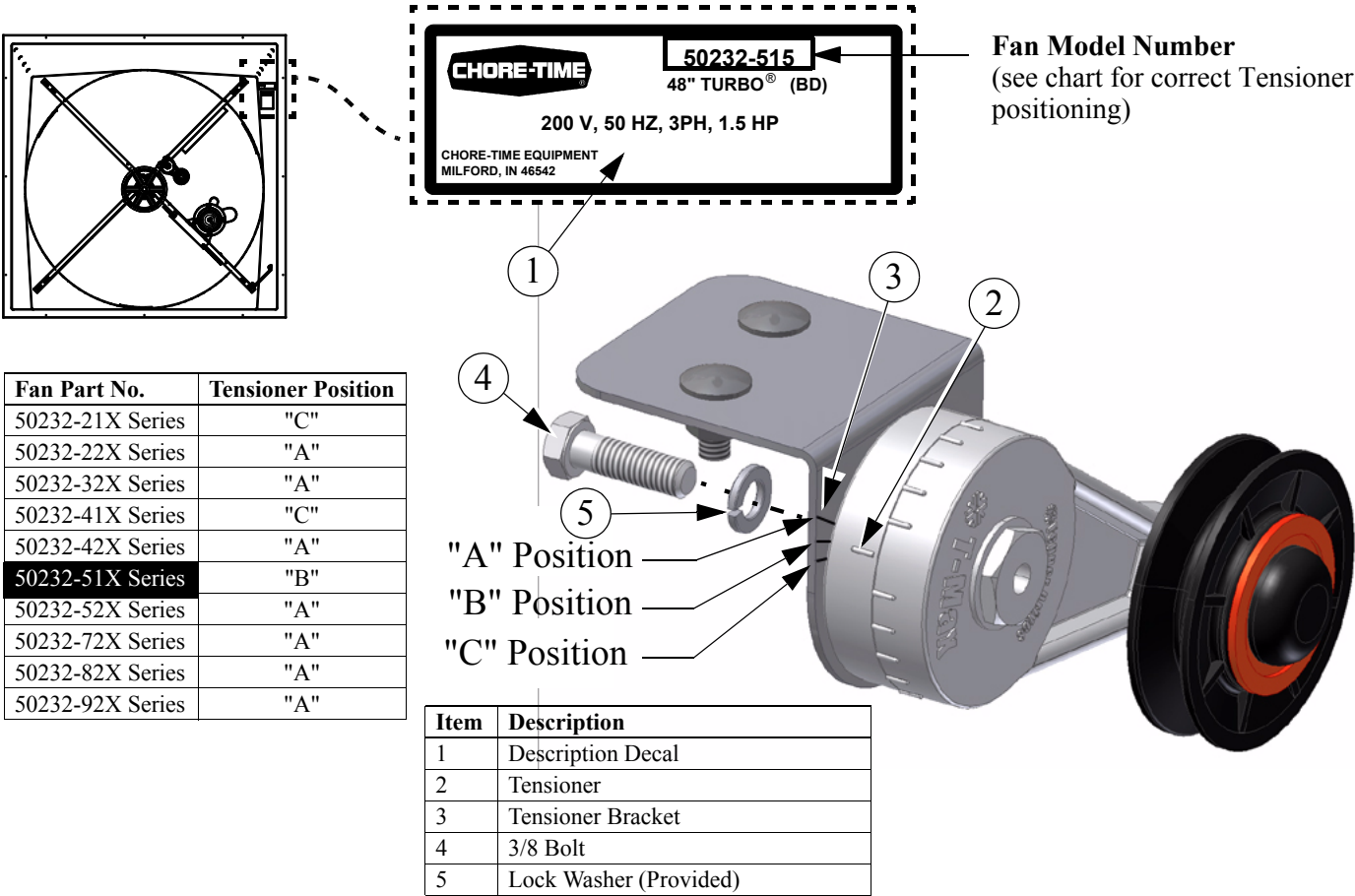
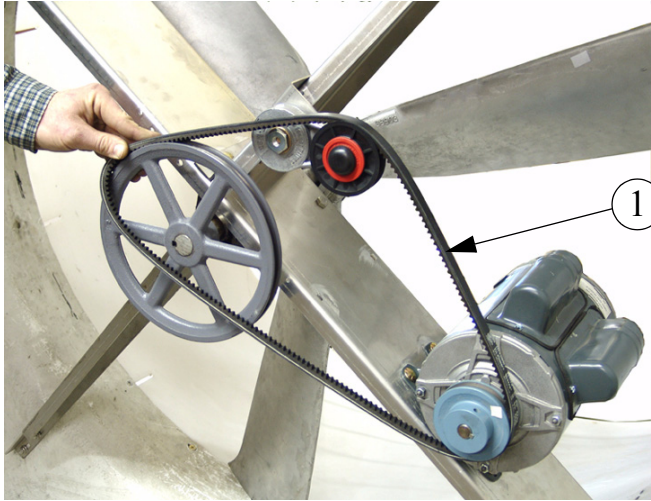


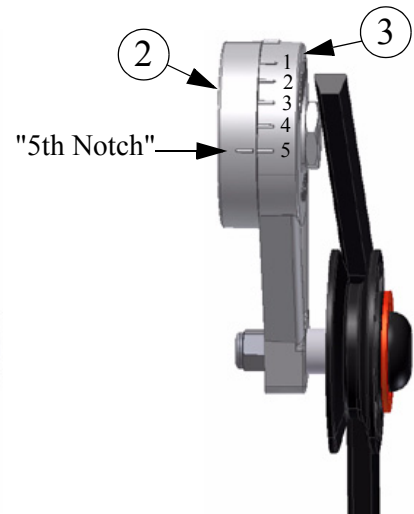
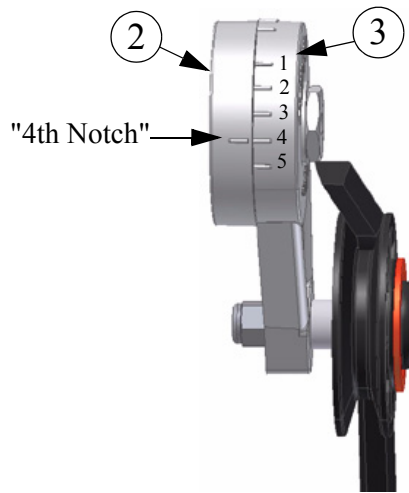
Figure 5. Adjusting the Tensioner

Install the new **Belt** included in the parts package (**Item 1**) as shown in **Figure 6 below**. When the belt is installed the Tensioner will rotate to a set position. When the Tensioner Bracket is in its final set position, the notches on the outside wheel (**Item 2**) of the Tensioner should line up with the mark on the inside wheel (**Item 3**) of the Tensioner based on the **chart below**.

Note: When a belt is worn the Tensioner position may vary as much as 1 full notch from new.



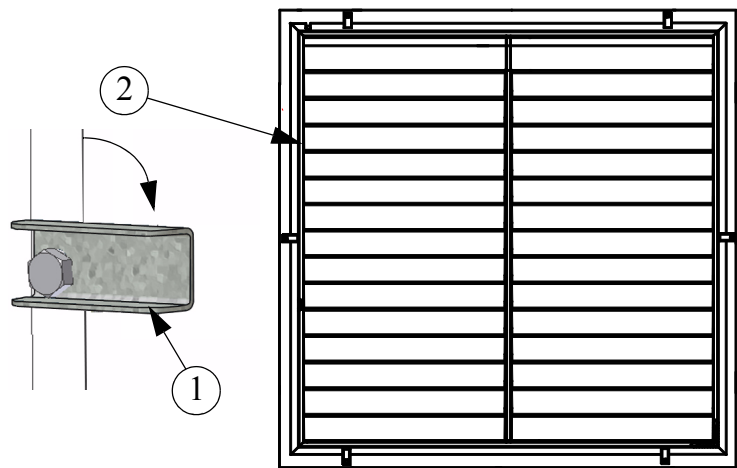
Fan Part No.	Tensioner Position
50232-02X Series	"3-1/2 Notch"
50232-22X Series	
50232-32X Series	
50232-42X Series	
50232-72X Series	
50232-82X Series	
50232-92X Series	
50232-52X Series	"5th Notch"
50232-21X Series	
50232-41X Series	"4th Notch"
50232-51X Series	



Item	Description
1	Belt (included in parts package)
2	Outside wheel on Tensioner
3	Inside wheel on Tensioner

Figure 6. Installing the Belt and checking Tensioner position

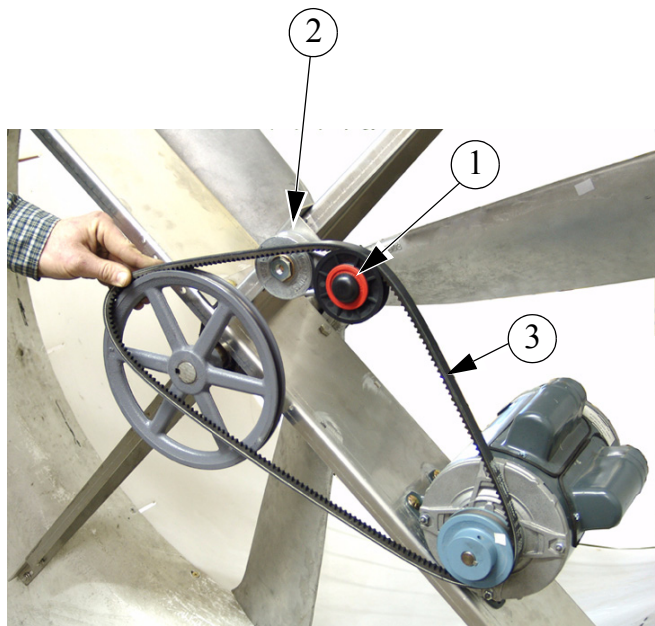
Position the Shutter back on the Fan, centered in the Fan Shroud. Rotate the Shutter Retainers to lock the Shutter in place. Check the Shutter for proper operation. The Shutter must be able to open and close freely without obstructions. Reconnect power and the Fan is ready for use.



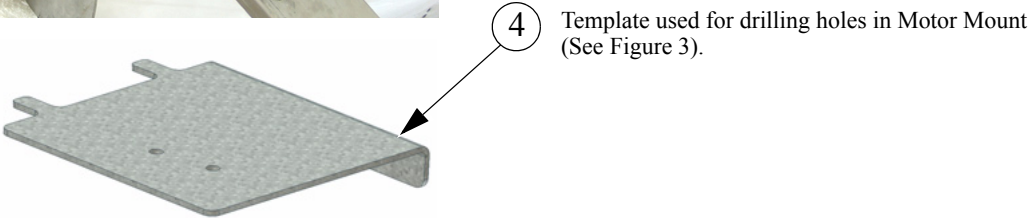
Key	Description
1	Shutter Retainer
2	Shutter

Figure 7. Re-installing the Shutter

Part Numbers



Key	Description	Kit Part Numbers	
		50268	50268-1
1	3.5" Tensioner Assembly	48429	48429
2	Tensioner Bracket	50233	50233
3	Belt, V AX49 50.3"	50271	--
	Belt, V AX48 49.3"	--	50270
4	Tensioner Template (See Figure 3).	50316	50316





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Revisions to this Manual

Page No.	Description of Change
Various	Obsoleted 48617-XXX fans and replaced with 50232-XXX

Contact your nearby Chore-Time distributor or representative for additional parts and information.

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