

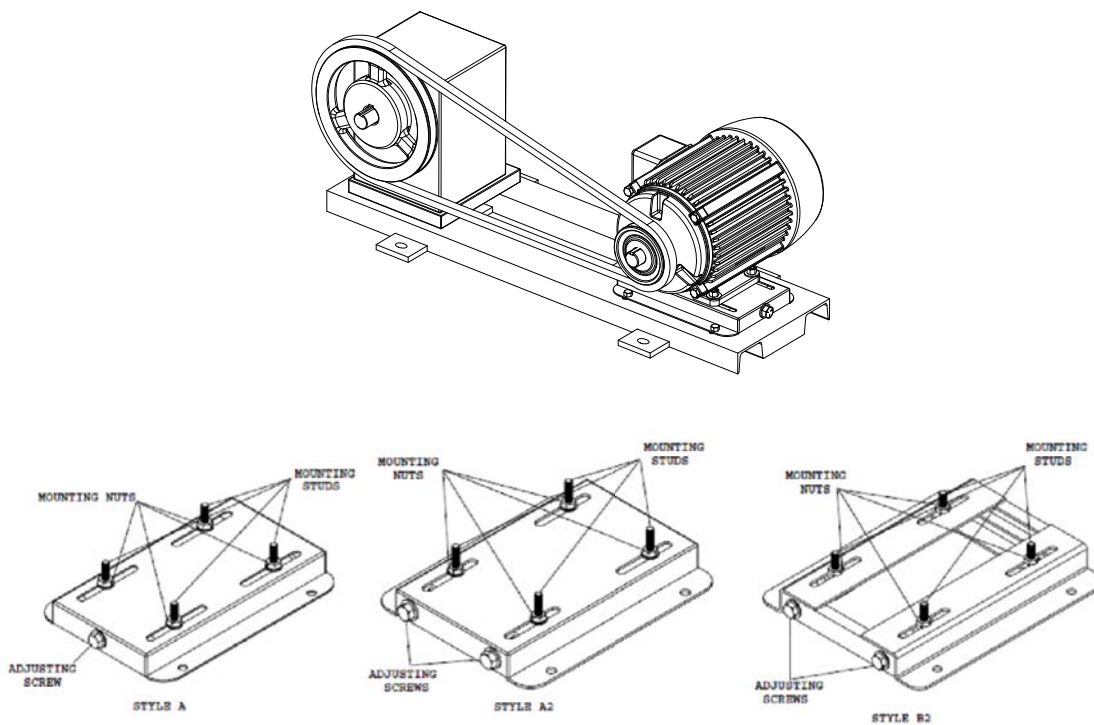
**⚠ WARNING**

- Read and follow all instructions carefully.
- Disconnect and lock out power before installation and maintenance. Working on or near energized equipment can result in severe injury or death.
- Do not operate equipment without guards in place. Exposed equipment can result in severe injury or death.

**⚠ CAUTION**

- Periodic inspections should be performed. Failure to perform proper maintenance can result in premature product failure and personal injury.

**Figure 1**

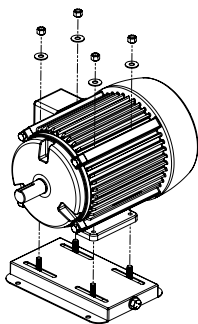


**Installation Instructions**

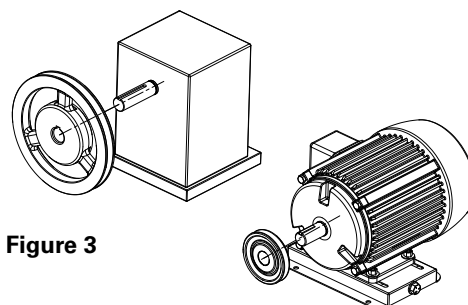
1. Mount the motor on the motor base using the supplied hex head head nuts and washers (if supplied). Finger tighten only. See Figure 2.

2. Mount the sheaves on the driver and driven shafts.

**Figure 2**



**Figure 3**



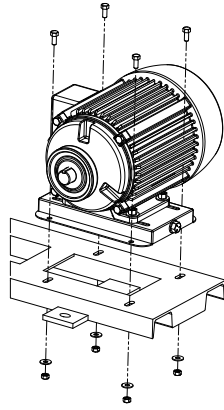
**Table 1**

Motor Base	Bolt size	Torque (Grade 5 plated )
BMB56T THRU BMB145T	5/16-18	13 Lb-Ft
BMB182T THRU BMB215T	3/8-16	23 Lb-Ft
BMB254T THRU BMB286T	1/2-13	57 Lb-Ft
BMB324T THRU BMB365T	5/8 - 11	110 Lb-Ft
BMB404T THRU BMB449T	3/4 - 10	200 Lb-Ft



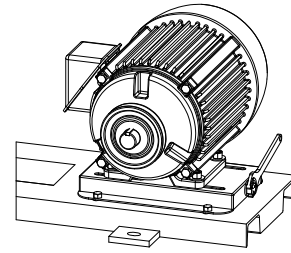
3. Mount the motor base using the recommended grade 5 bolts (Leave the bolts loose enough to allow the motor base to be moved to align the sheaves)

**Figure 4**



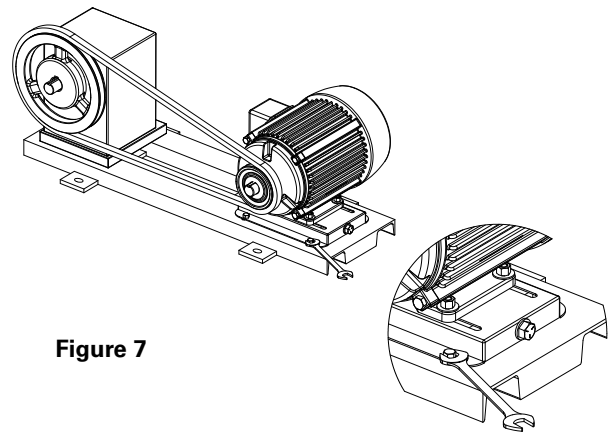
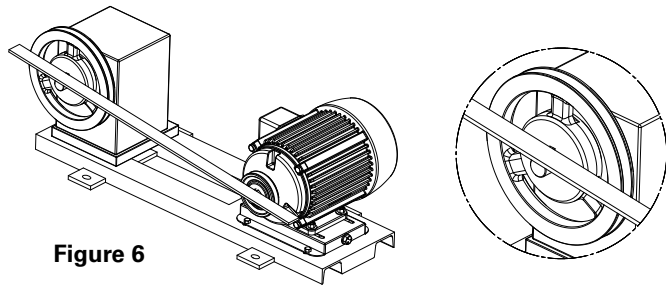
4. Turn the adjusting screw so that the motor base carriage is against the end nearest the driven machine. On Style A2 & B bases, alternately turn each adjusting screw 1/2 turn to assure that the motor shaft stays parallel to the driven shaft.

**Figure 5**



5. Align the motor base to position the sheaves in the proper location. A straight edge should be used to align the sheave to be parallel and in the same plane. When this is achieved the straight edge will be flush to the sides of both sheaves as shown. If VP, VL, VM or MVP sheaves are being used, then refer to their instructions for proper alignment technique.

6. Tighten the motor base mounting bolts using the recommended grade 5 bolts and torques listed in table 1.

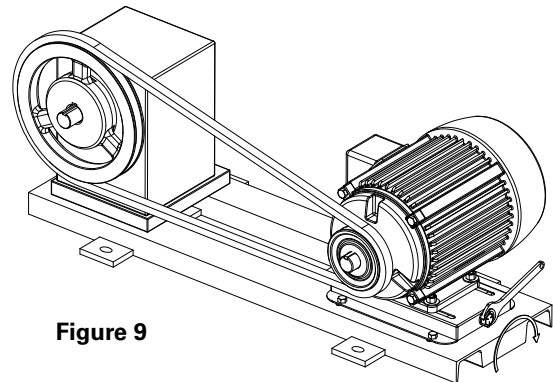
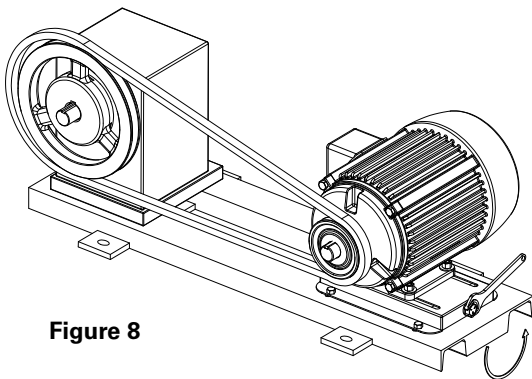


**Figure 6**

**Figure 7**

7. Install the belt by slipping it over the two sheaves by hand. (Prying the belt over the sheaves with any device can damage the belt or sheaves).

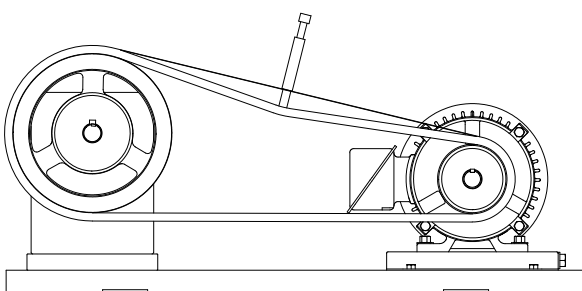
8. Use a wrench to tighten the adjusting screw tension rod turning clockwise until the belt feels tight. On Style A2 and Style B bases, alternately turn each adjusting screw 1/2 turn to assure that the motor shaft stays parallel to the driven shaft.



**Figure 8**

**Figure 9**

9. Check the belt tension using Browning® belt tension checker.



**Figure 10**



10. Turn the adjusting screw until the proper belt tension is recorded by the Browning® Belt Tension Checker. On Style A2 and Style B bases, alternately turn each adjusting screw 1/2 turn to assure that the motor shaft and the driven shaft stay parallel. The recommended deflection force is 150 percent of the EDGE value or the value given for a new belt in Form 5453 included with the Browning Belt Tension Checker.

11. Make sure sheaves are aligned per step 5 above. Tighten the motor nuts to the recommended torque listed in Table 1.

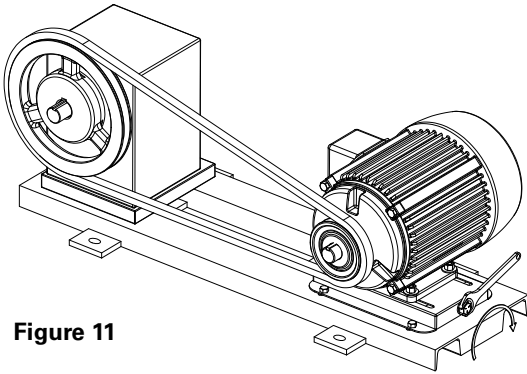


Figure 11

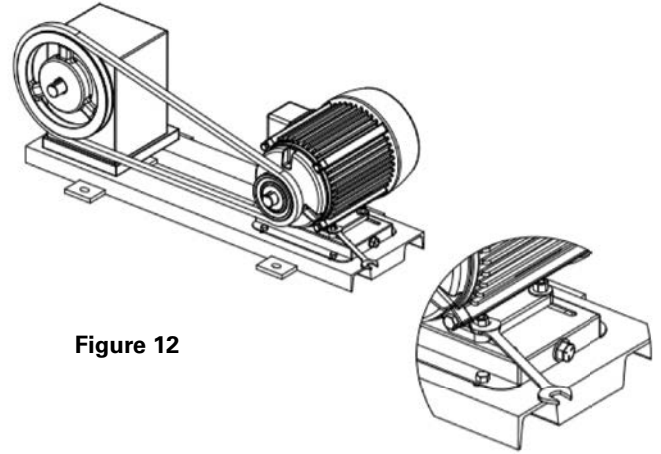


Figure 12

**⚠ WARNING**

The surface on which the Motor Base is mounted must be flat. A base that is distorted or warped will not function properly. If the surface is not flat, correct the condition with shims.

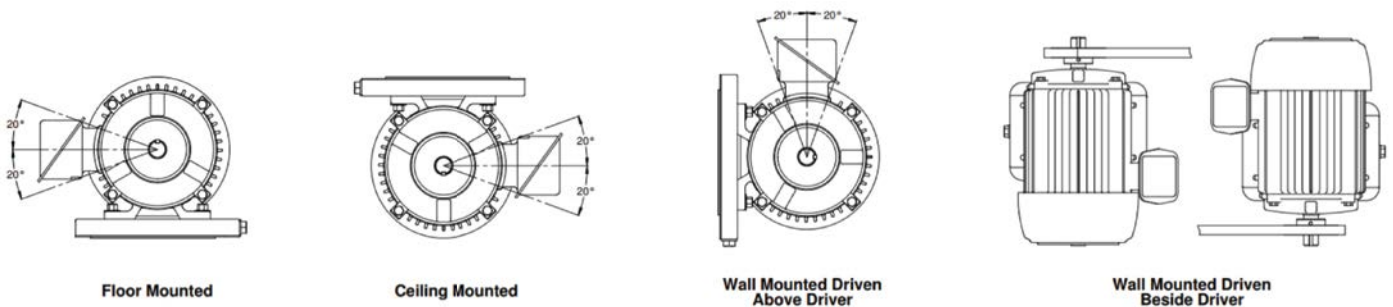
**Changing belts**

Loosen the mounting nuts holding the motor to the motor base. Never loosen the mounting nuts more than absolutely necessary to let the motor be moved. If they are too loose, the motor can pivot and lift toward the driven pulley during belt tightening. Then, when the mounting nuts are tightened, belt tension will be higher than required and you may damage the motor and motor base. Turn the adjusting screws counter clockwise enough to allow the old belt to be removed. Repeat steps 6 through 11 above to install the new belt.

**Adjusting belts**

Loosen the mounting nuts holding the motor to the motor base. Never loosen the mounting nuts more than absolutely necessary to let the motor be moved. If they are too loose, the motor can pivot and lift toward the driven pulley during belt tightening. Then, when the mounting nuts are tightened, belt tension will be higher than required and you may damage the motor and motor base. Repeat steps 9 through 11 above.

**Allowable mounting positions**



Floor Mounted

Ceiling Mounted

Wall Mounted Driven Above Driver

Wall Mounted Driven Beside Driver

