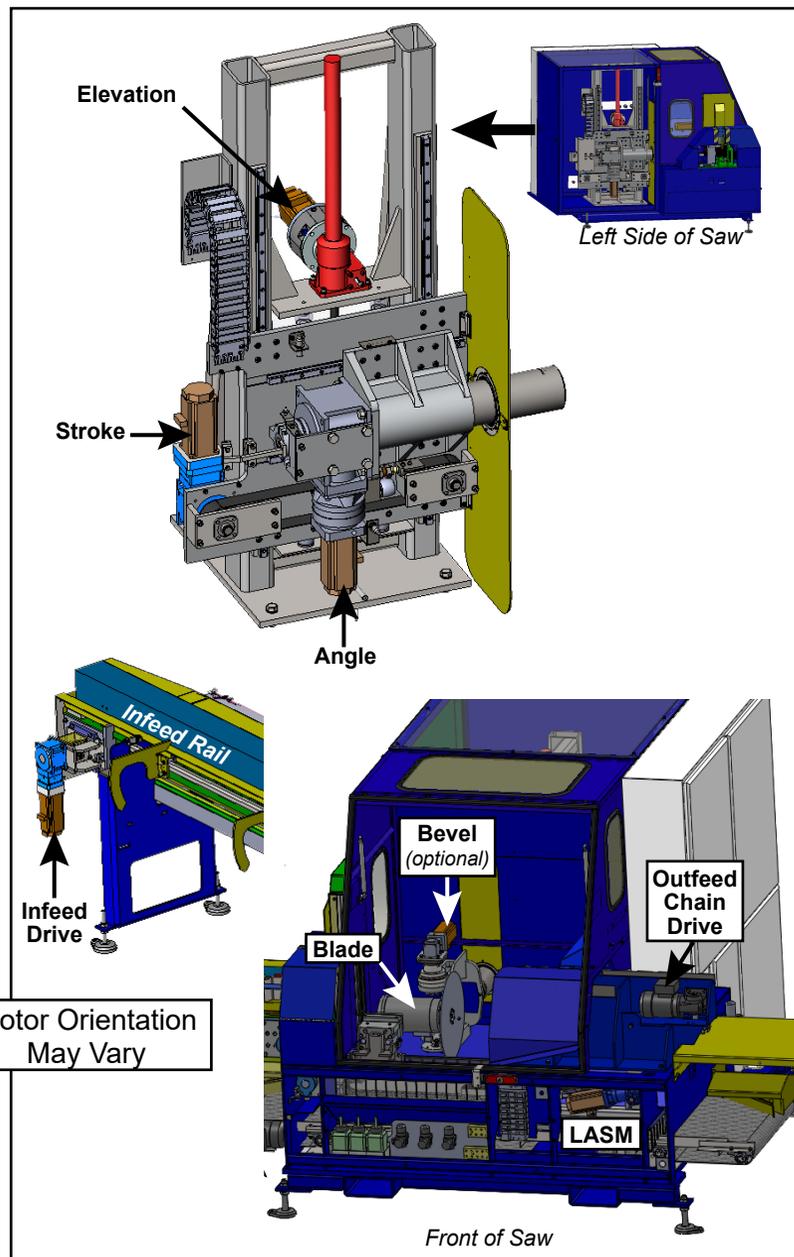




# Tightening Motor Couplers on Servo Motors

*Elevation coupler is excluded because it is keyed and adjustment should not be needed.*



## For OUTPUT on LASM, Angle, Gripper, and Stroke Couplings:

1. Remove the guard, if necessary, to expose the coupling at the Output screws.
2. With E-stop actuated, move axis with your hand.
3. Torque screw(s).

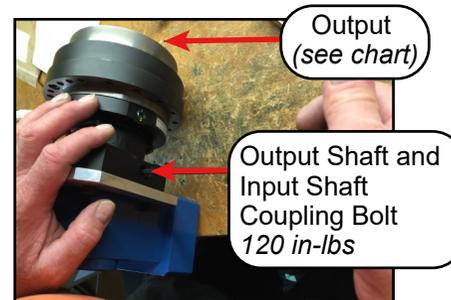
## For INPUT on LASM, Angle, Gripper, and Stroke Servo Motors:

1. Remove the plug labeled INPUT in photo to access the hole.
2. Align the screw with hole by either:
  - a) *For LASM, Stroke, and Gripper only:*  
With E-stop actuated, move axis with your hand.
  - OR
  - b) *This method can be used for all 5 axes:*  
With power on, use the Moving to a Position procedure below.
3. Torque the screw to the appropriate setting using a torque wrench and hex key.

OUTPUT		INPUT	
Motor	Torque	Motor	Torque
LASM	44 in-lb	LASM	89 in-lb
Bevel	557 in-lb	Bevel	50 in-lb
Angle	106 in-lb	Angle	177 in-lb
Gripper	309 in-lb (2 places)	Gripper	89 in-lb
Stroke	106 in-lb	Stroke:	
		• Gearbox serial # G107255 and higher:	97 in-lb
		• Gearbox serial # lower than G107255:	159 in-lb

## For Bevel Servo Motors (Input & Output):

Use steps above, but refer to the picture here.



## Moving to a Position:

Enter small position changes in *Diagnostics>Detailed Diagnostics>Move To Position* fields to move motor coupler in small increments.