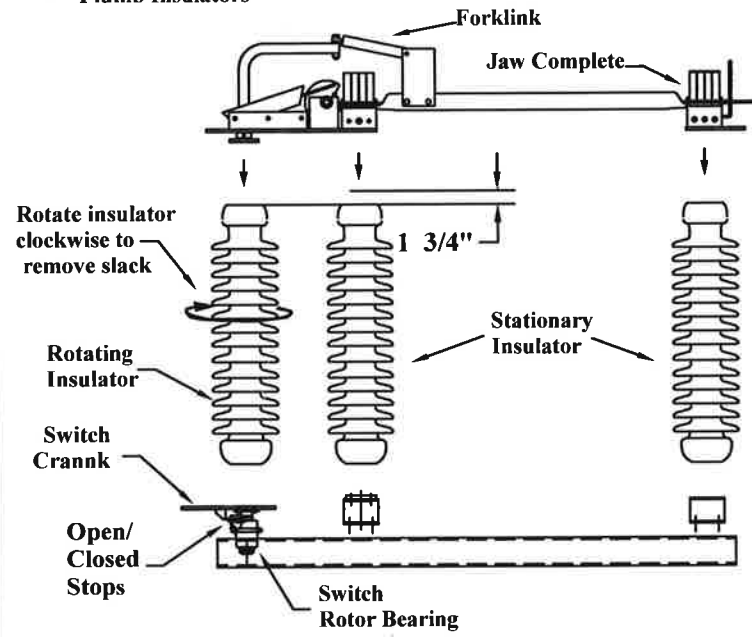
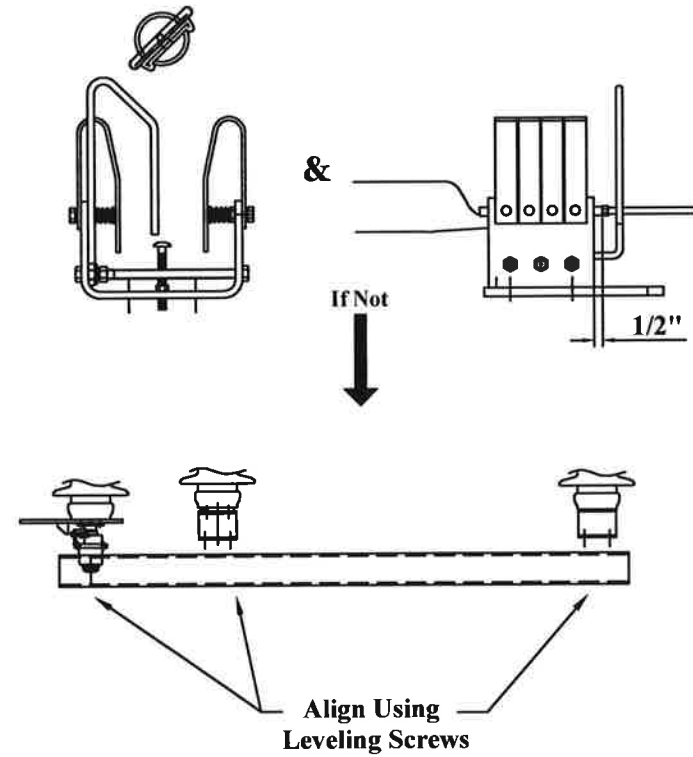


1 Verify Structure is Level and Plumb
Mounting Holes Match Installation
Drawings *****IMPORTANT*****

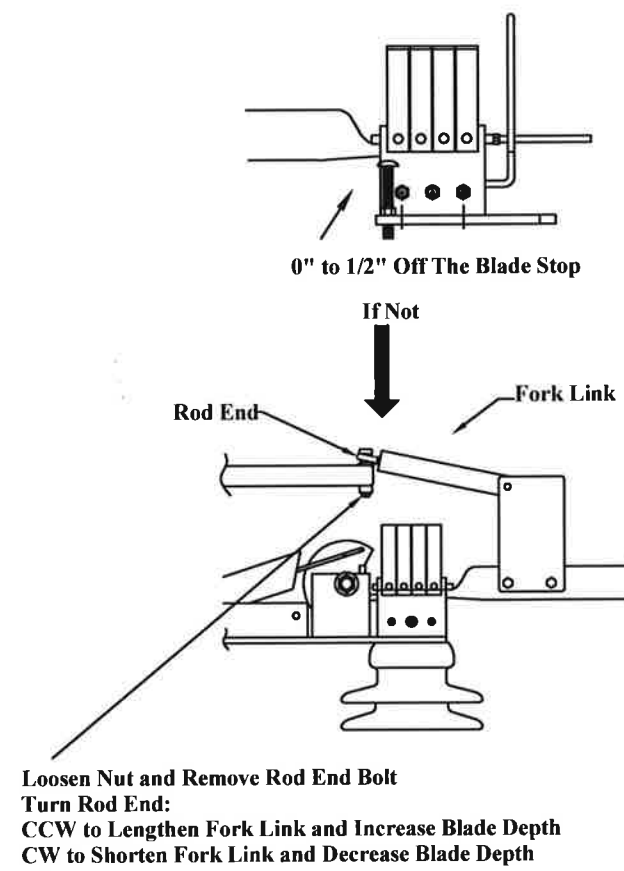
2 Assemble Single Pole
Plumb Insulators



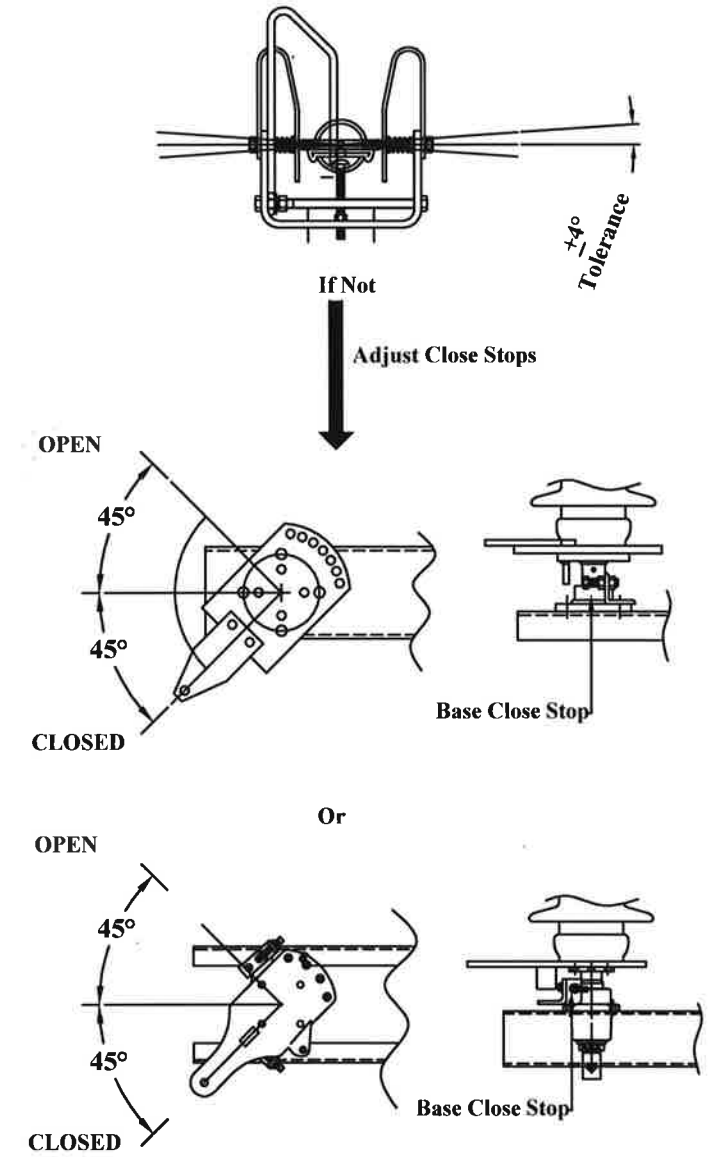
3 Center Blade In Jaw



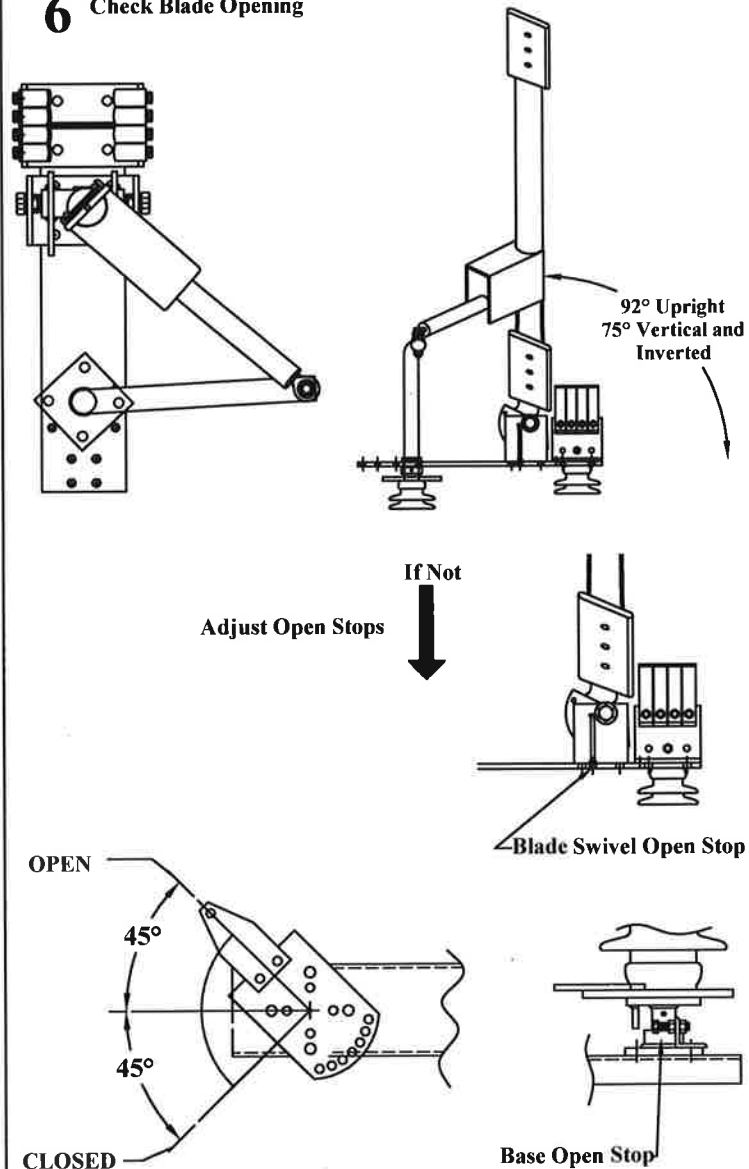
4 Check Blade Depth In Jaw



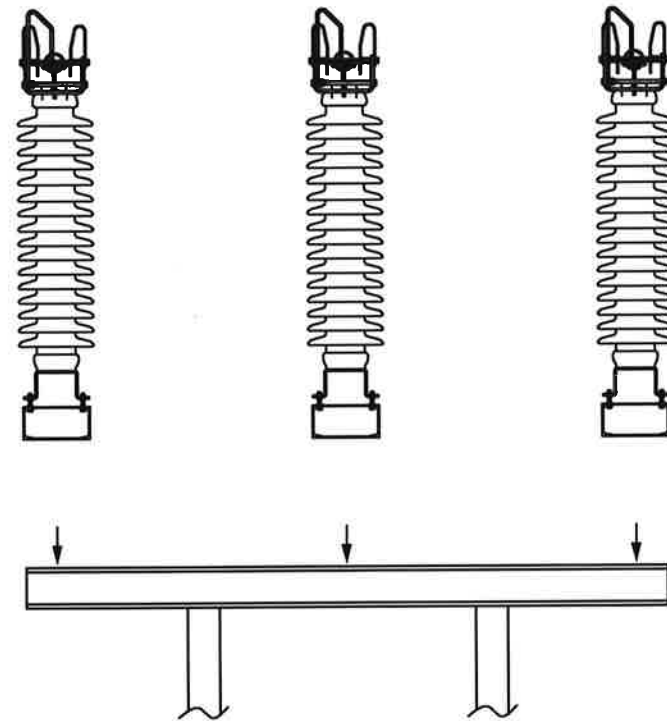
5 Check Blade Angle
Blade Angle Tolerance is $\pm 4^\circ$



6 Check Blade Opening

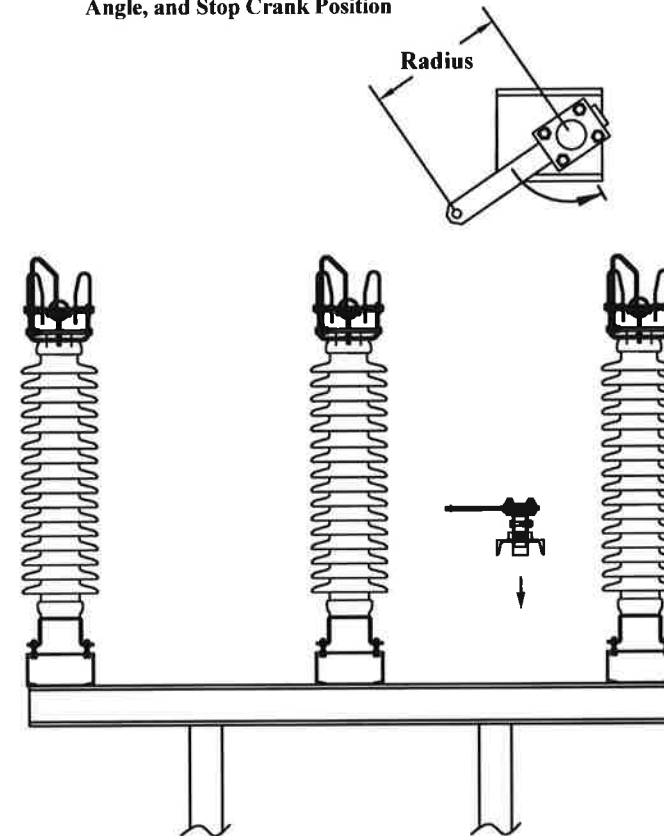


7 Install Single Poles on Structure



8 Mount Offset Bearing

Refer to Installation Drawings for Correct
Operating Crank Length Radius and
Angle, and Stop Crank Position



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ATLANTIC**

254 INDUSTRY DRIVE, BLAND VA. 24315, 276-688-3328

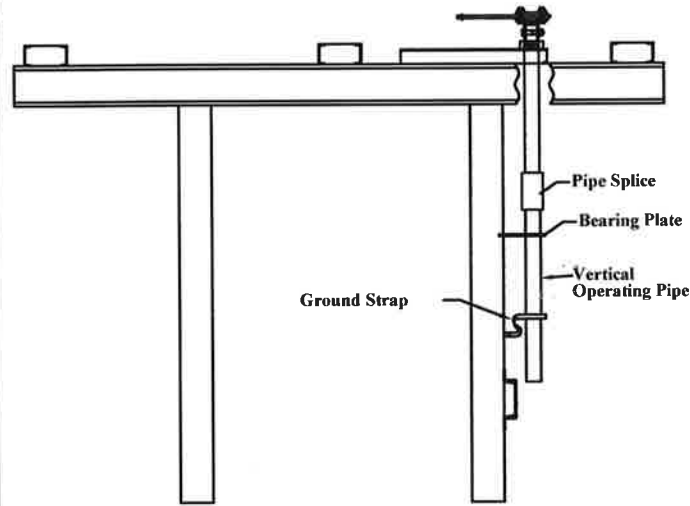
**FAS3 2000A
Vertical Break**

Basic Installation Guide

** This manual should be used in conjunction with
the factory drawings. To request a set of drawings
please have the serial number of the switch and
contact the factory at 276-688-3328.

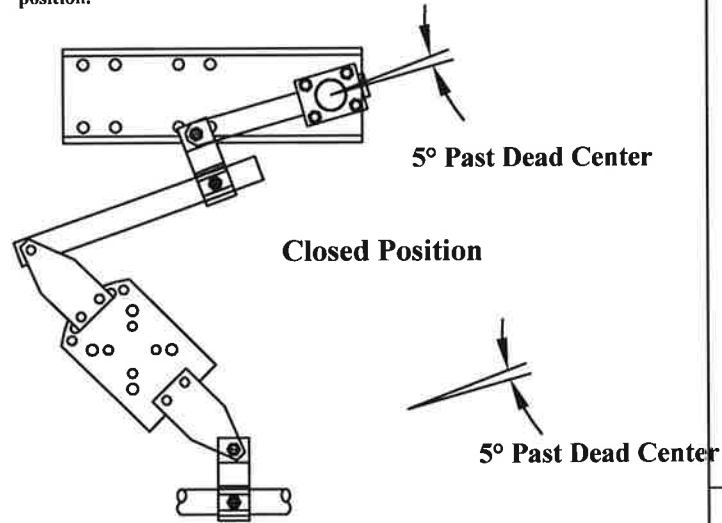
9 Install Vertical Operating Pipe

Install Pipe Splice, Bearing Plate, Position Indicators, and Ground Strap



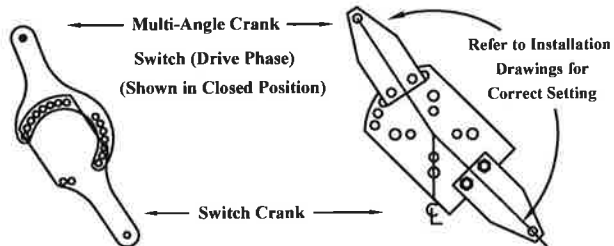
Dead Center ~ "Toggle"

- Offset bearing crank travels past dead center.
- When operating the switch, the offset bearing should "snap" over dead-center in the closed position. This is also referred to as toggle. This serves as a signal to the operator that the switch is fully closed. This is also a safety feature that insures the switch is locked in the closed position.



10 Install Multi-Angle Crank

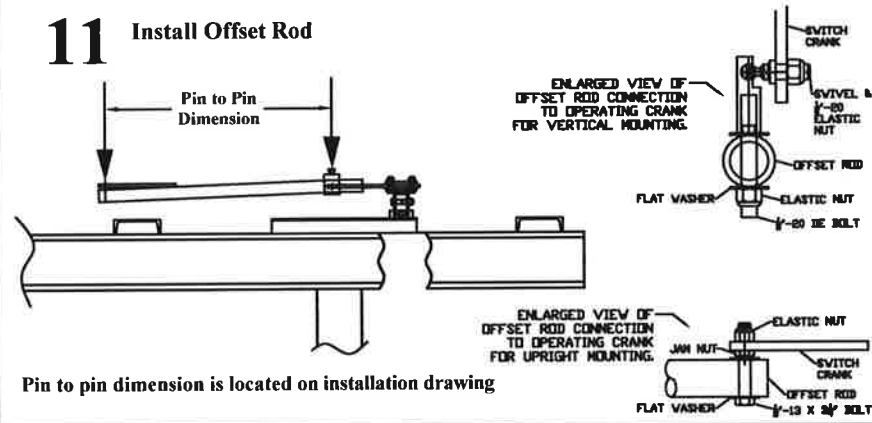
Refer to Installation Drawings For Correct Setting



Crank Arrangement for 115 kV through 230 kV
See DWG X16-000

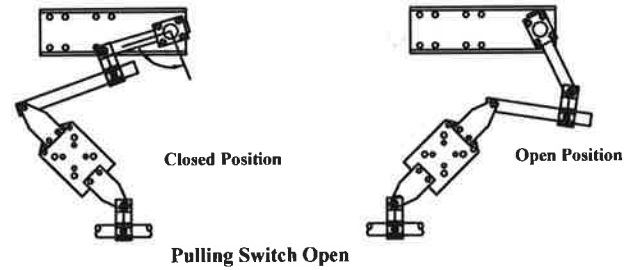
Crank Arrangement for 15 kV through 69 kV
See DWG WA4-010

11 Install Offset Rod



Pin to pin dimension is located on installation drawing

13a Adjust Drive Phase



Shortening Offset Rod

- Reduces toggle pressure in closed and adds pressure to open position.
- Increase blade opening and decrease blade closing.

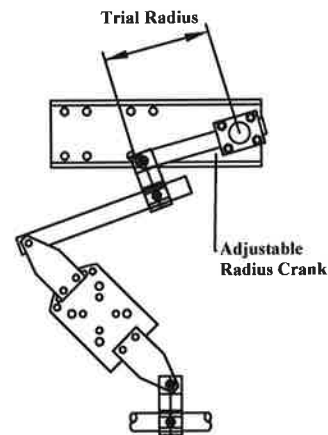
Lengthening Offset Rod

- Reduces toggle pressure in open and adds pressure to closed position.
- Increase blade closing and decrease blade opening.

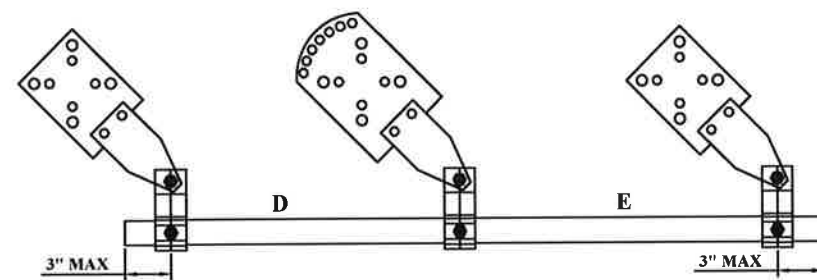
13b Adjust Drive Phase

The adjustable radius crank adjustment increases or decrease throw to the open and closed position.

- Lengthening increases travel and toggle pressure in open and closed.
- Shortening reduces travel and toggle pressure in open and closed.



15 Adjust Interphase Linkage



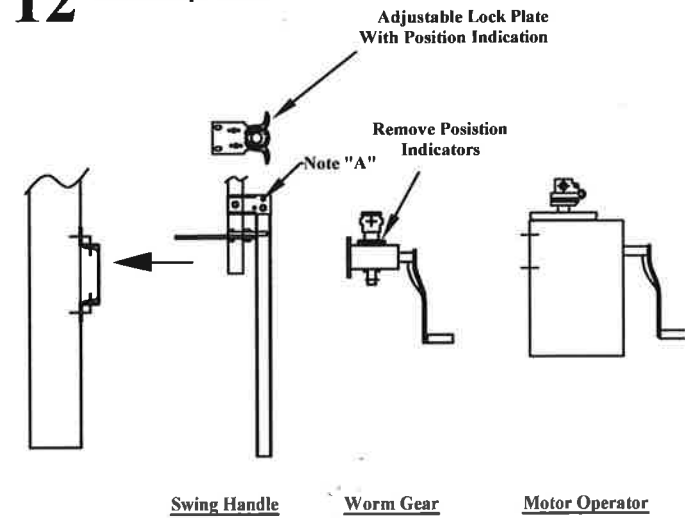
Interphase Pipe "D"

- Shorten will close more and open less.
- Lengthening will open more and close less.

Interphase Pipe "E"

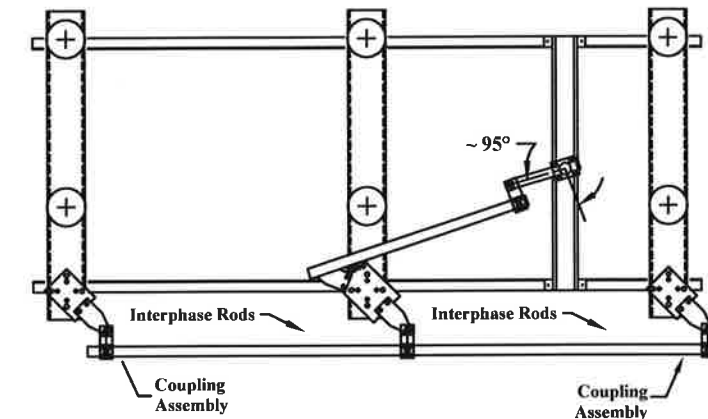
- Shortening will open more and close less.
- Lengthening will close more and open less.

12 Install Operator

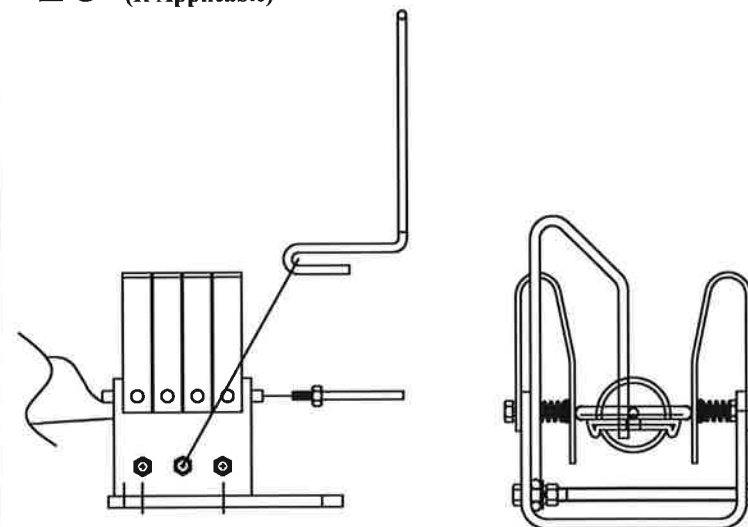


Note "A"
Remove 3/8" bolt to unlock swing handle. Lift handle and reinsert 3/8" bolt in open hole.

14 Install Interphase Linkage

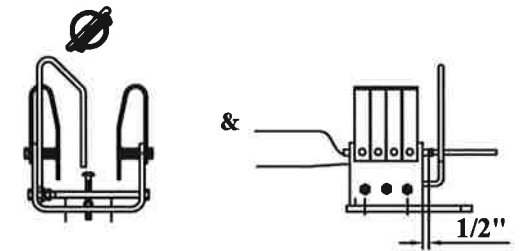


16 Install Arcing Horns and Corona Rings (If Applicable)

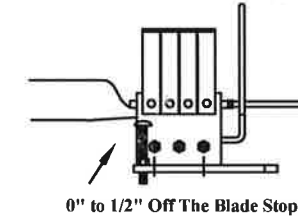


17 Final Checks

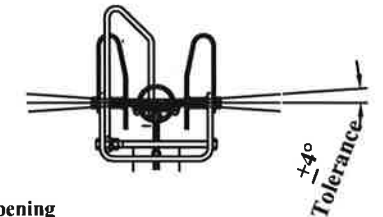
a. Blade Centered in Jaw



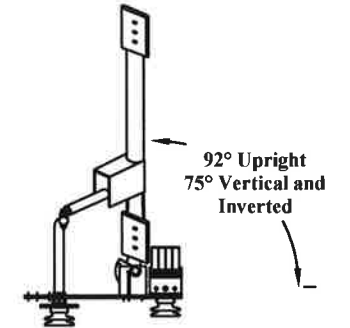
b. Blade is 0" to 1/2" Off the Blade Stop



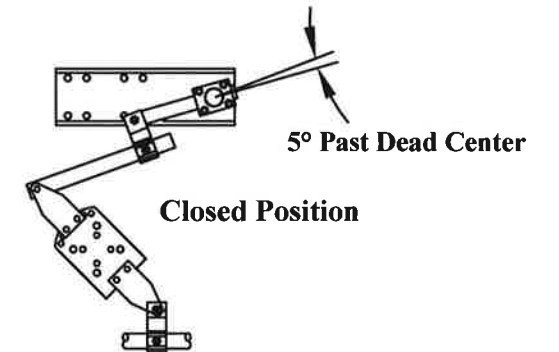
c. Blade Contact Angle is $\pm 4^\circ$ in Jaw



d. Blade Opening



e. The offset bearing toggles in the closed position.



- f. All jaw mounting bolts are tightened with switch in closed position.
- g. Tighten all locking nuts and piercing bolts.
- h. For worm gears - Position indicators are installed.

