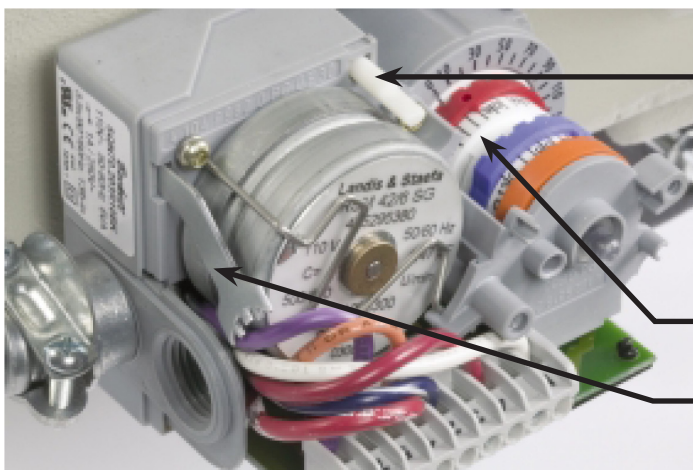


# Damper Actuator for Commercial Two-Stage Burners Adjustment Instructions



Adjustment Instructions  
printed on the cover.

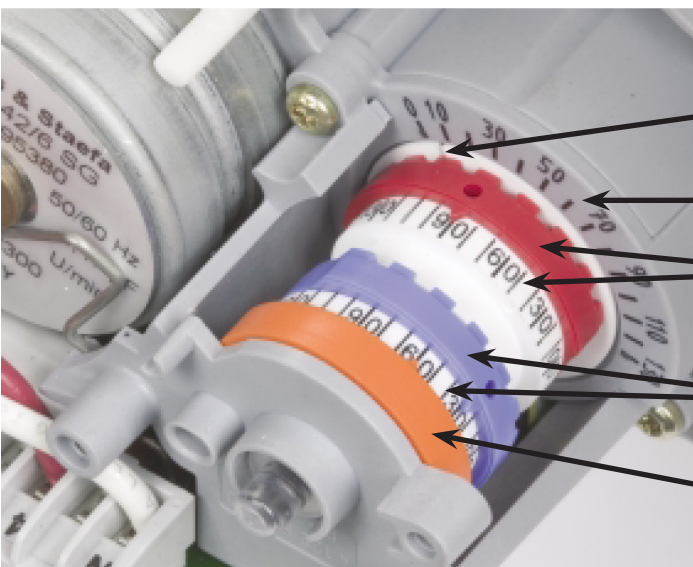


Disengaging Pin in the engaged position

- The Disengaging Pin allows the Damper and Cam Stack to be rotated by hand.
- The Disengaging Pin *must be out* when the burner is operating.

Cam Stack

Adjustment Wrench



Damper Position Indicator  
(Black mark on white ring)

Damper Position Scale

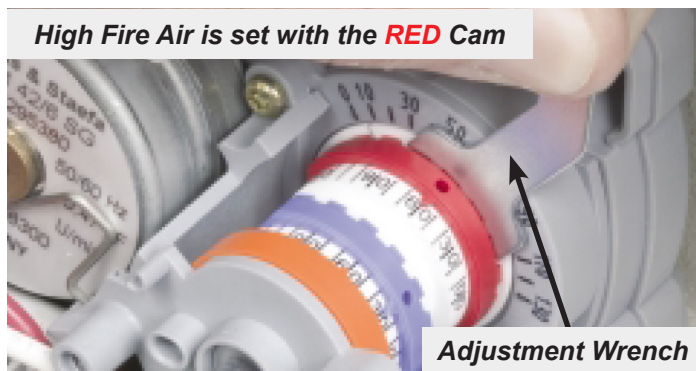
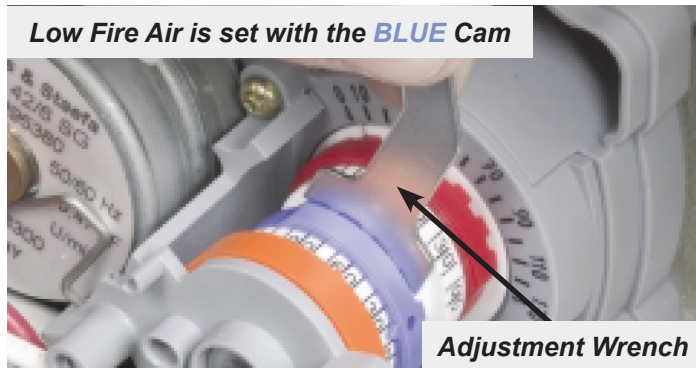
Red High Fire Cam with  
white adjustment scale

Blue Low Fire Cam with  
white adjustment scale

Transition Cam shares adjustment scale

# Damper Actuator Adjustment Instructions (Continued)

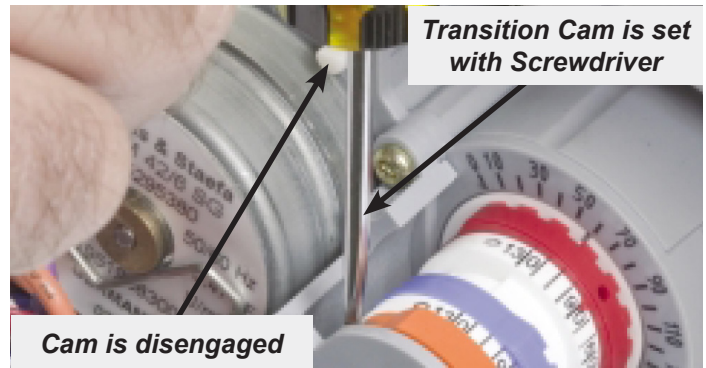
## Setting the High Fire Air and Low Fire Air



An old air setting specification of 7 is equal to 70° on the damper position scale of this new damper actuator.

If adjusting the air settings while the burner is operating, it is necessary to cycle the burner from High to Low Fire or Low to High by using the lighted low fire hold switch.

## Setting the Transition:



The **ORANGE** Cam sets the transition point between Low Fire Oil and High Fire Oil.

It should be set halfway between the settings of the **RED** Cam and the **BLUE** Cam.



After you complete your adjustments make certain the disengaging pin has been reengaged with the damper position set between the high fire and low fire limits. Replace the actuator cover, making sure it is correctly seated, and test the burner for proper firing at low fire, high fire and in transition between low and high

