

RACO Switch Setting Tips

Absolute Position

**Form C Contacts,
250V AC, 5A**

**Up to 3 Pair of Limit
Switches**

**Adjustable over
Entire Stroke Range**

Independent

Robust

**Wide Temperature
Range**

A “one pair” switch set has 2 shafts reaching through the end plate. Shaft #1 is for the extended or forward limit (A) and shaft #2 is for the retracted or reverse limit (E). Notice also the black zone on the label of the end plate. On switch #1 it runs from about 9 o’clock down to about 7 o’clock.

Notice the small dot of red paint and the beveled end on the slot of the adjusting shaft.

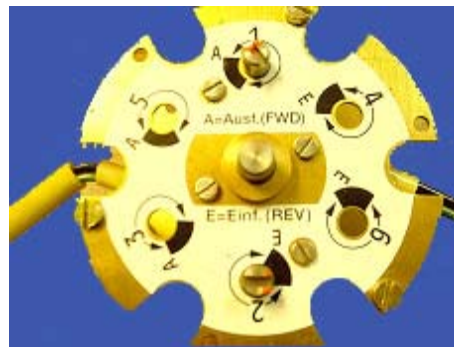


Photo A.

This red dot, which can be seen even more clearly in Photo B., represents the location of the cam lobe on the nylon cam plate below.

To enhance the visibility of the cam lobe, white paint has been applied in that area as shown in Photo B.

As the actuator extends or retracts the shaft turns and the red dot rotates into the black zone where the encapsulated single pole double throw micro switch will trip.

With this in mind, from a mid-stroke position, bump the starter to determine the direction the shaft will rotate. If you want to shorten the stroke simply advance the red dot, if you want to lengthen the stroke simply retard the red dot. This adjustment is a “tweaking” operation and only requires a small rotational movement on the cam. As you apply torque to the adjusting shaft you will notice a slight amount of backlash then resistances as you overcome the holding torque of the rubber clutch. A few degrees of rotation will effect a noticeable change in the stroke. Once a satisfactory position has been established the actuator will repeat to that position very accurately.

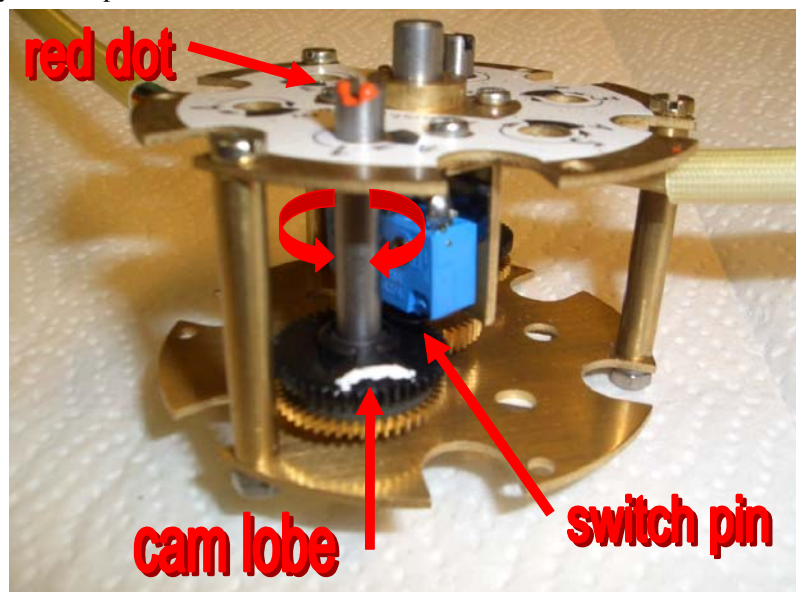


Photo B.