

Park Position

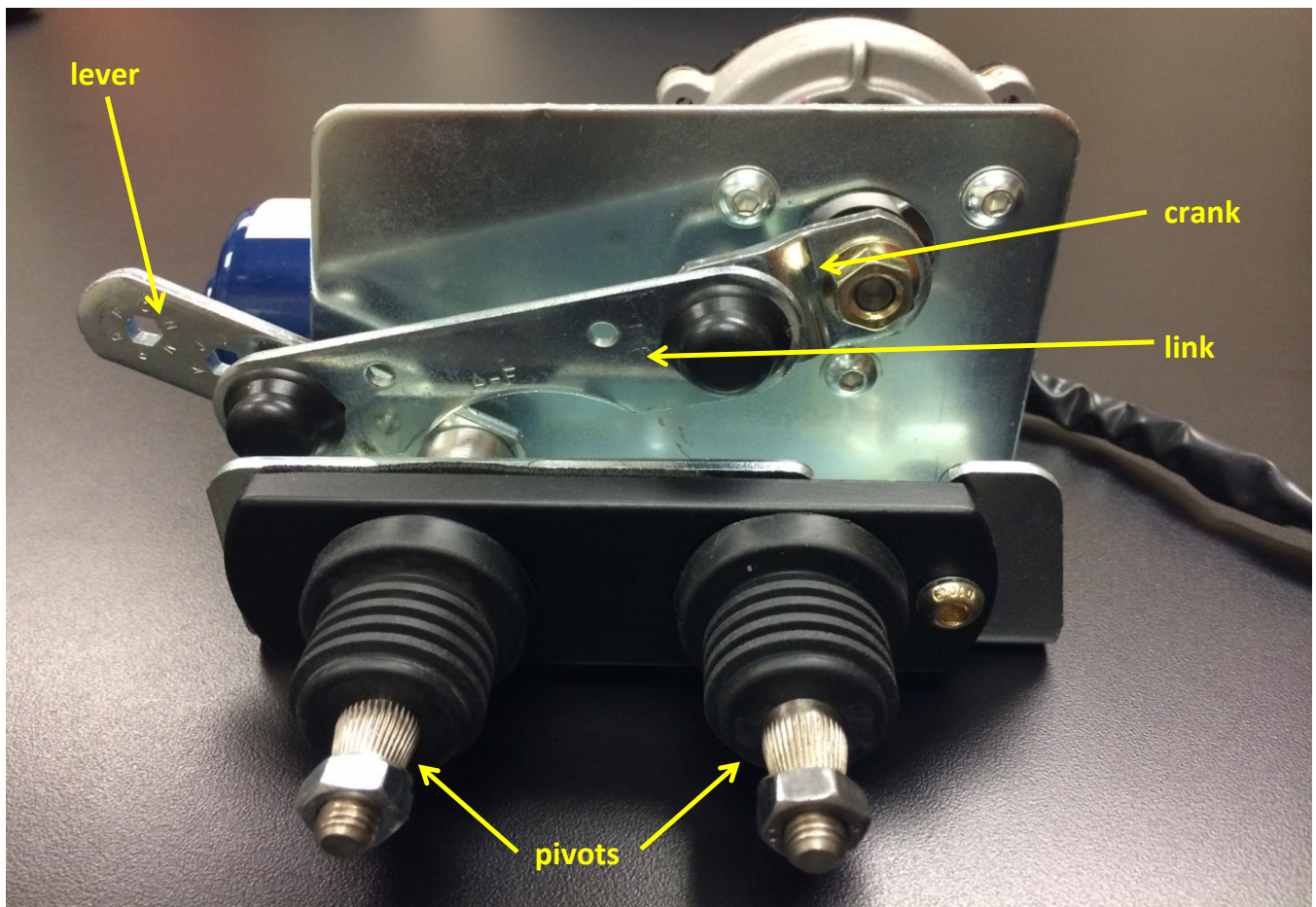
9/25/14



One of the easiest-to-confuse specifications is "park position". Park position is the position of the wiper blades when the wiper motor assembly is turned off (i.e. is parked). Park position is a function of three definitions:

- 1) the viewpoint of the person specifying the park position
- 2) the position of the wiper motor assembly, relative to the glass to be wiped
- 3) the mounting orientation of the wiper motor assembly

First, some wiper motor assembly component definitions:

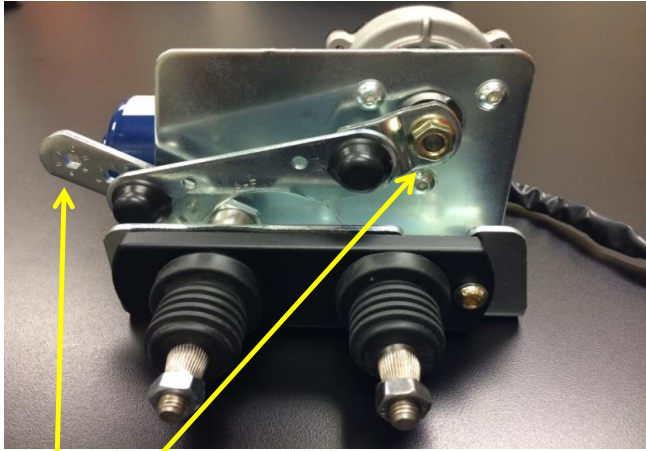


The first aspect of park position is: "the viewpoint of the person specifying the park position"

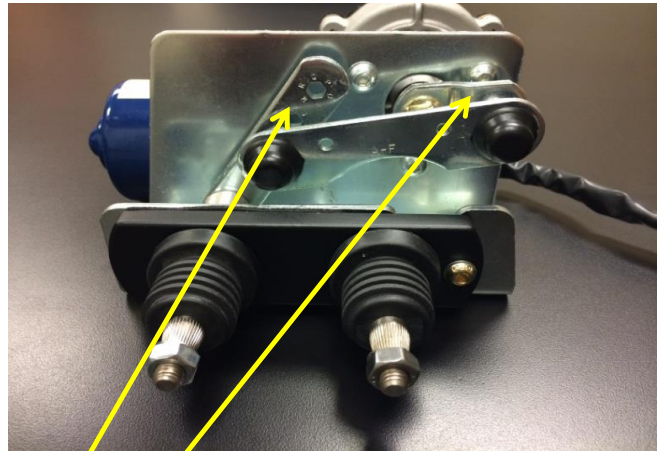
WEXCO defines the viewpoint of the person specifying the park position as "Outside the cab, looking at the glass to be wiped, such that the pivots are pointing toward the observer".

Therefore, the picture above is the correct viewpoint to be observing the wiper motor assembly.

The following two wiper motor assemblies are built with the exact same components, however, because of the orientation of the crank, one system is built to be "left hand park", and the other is built to be a "right hand park".



Lever at its farthest left position .
Crank positioned in a 9 o'clock position.
This is "LEFT HAND PARK".



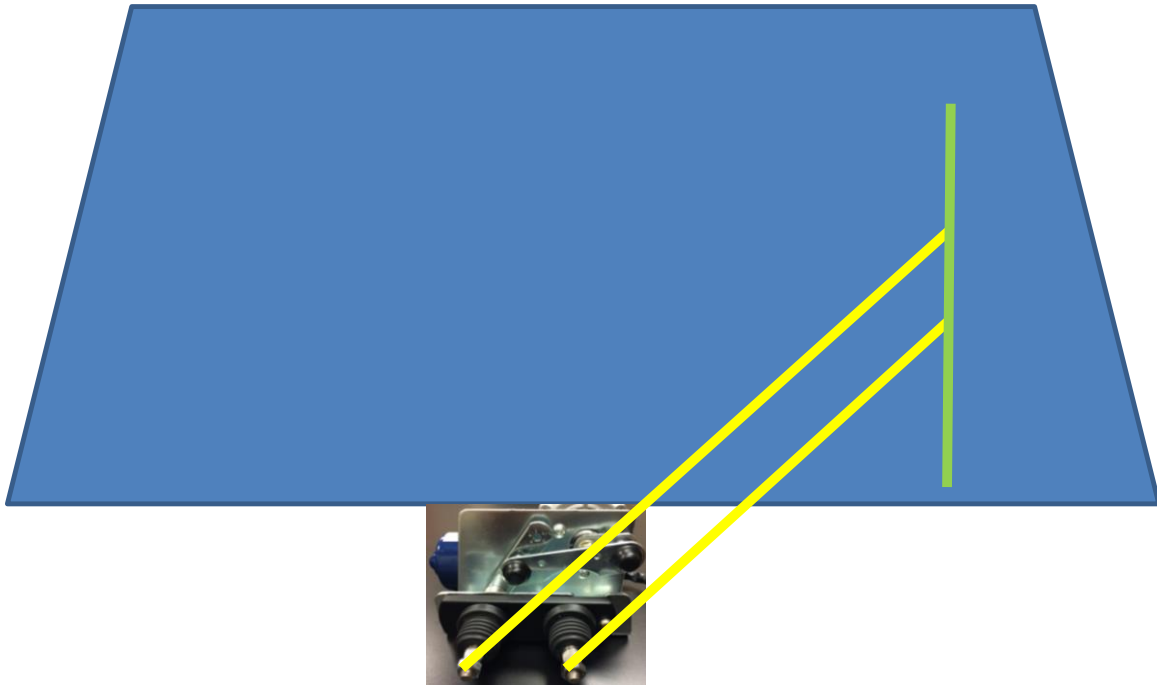
Lever at its farthest right position.
Crank positioned in 3 o'clock position.
This is "RIGHT HAND PARK"

The second definition of park position is: the position of the motor assembly, relative to the glass to be wiped. The third definition of park position is: the mounting orientation of the motor

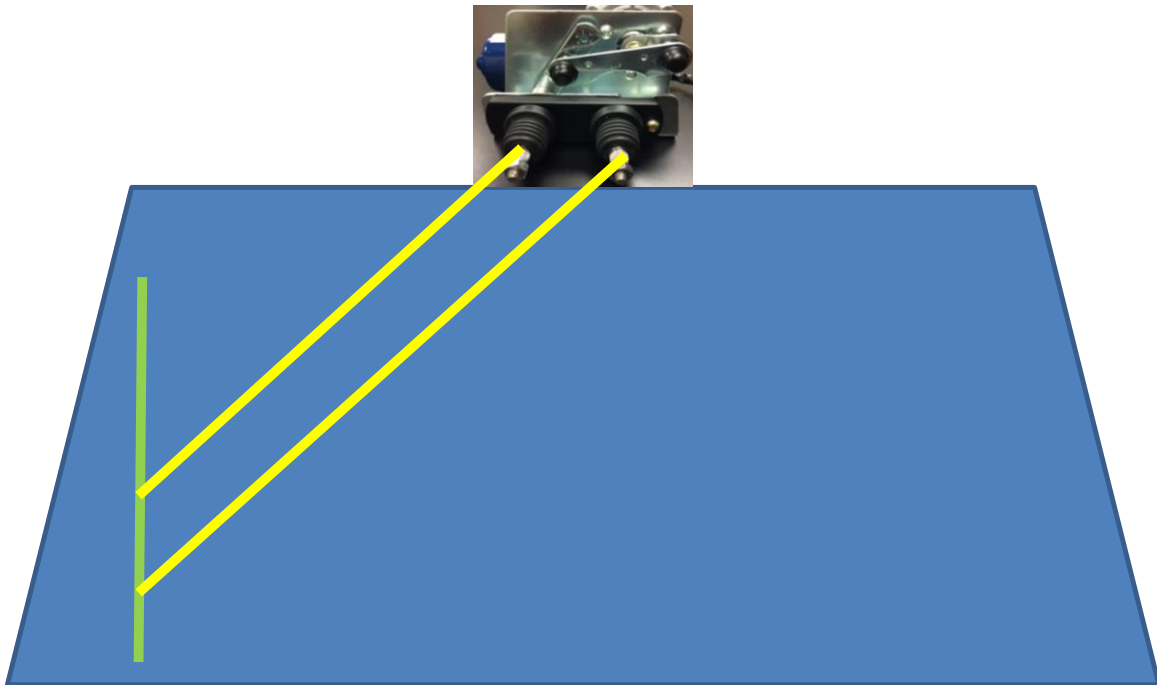
Take the sample windshield below, being viewed from outside the cab by the observer. Since the motor assembly is a "left hand park", and the motor assembly is being mounted at the bottom of the glass, and the motor assembly is being mounted right side up, the blades WILL park on the left.



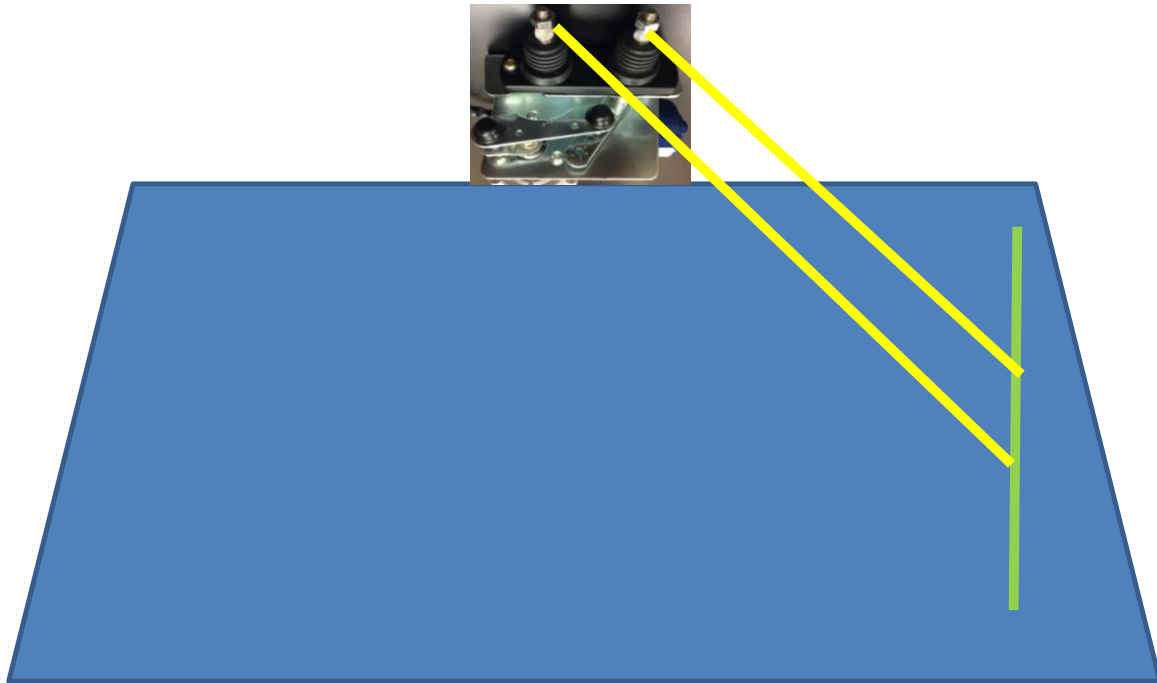
If the "right hand park" motor assembly had been mounted in the same location, and in the same orientation, the blades would park on the RIGHT.



However, if the "right hand park" motor had been mounted at the TOP of the glass, right-side up, the blades would now park on the LEFT.



Now, if the "right hand park" motor assembly is still mounted at the TOP of the glass, but is mounted up-side down (as if it were being bolted to the roof), the blades would now park on the RIGHT.



So to correctly specify "park position", all parameters must be spelled out:

- 1) the observer is OUTSIDE the cab
- 2) note the mounting position of motor assembly, relative to the glass being wiped
(bottom, top, side)
- 3) note the orientation of the motor assembly:
 - For top & bottom positions, either "right-side up", or "up-side down"
 - For side mounted positions, specify "top of motor facing glass" or "bottom of motor"