

# Challenger Door

## Process Control Document

Power Ramp Lift Assist Install Guide

Date: 1/5/18

BY:AY

Once Ramp is installed on the unit:

1. Measure up 14" to the center of the pulley. Line up the mounting leg flush with the opening and run self-drilling lag bolts approx. 6"-12" apart into the steel frame of the opening.



2. Using the bracket near the bottom by the pusher, anchor the assembly to the side wall.



3. Install the pusher strut through the tube, toward the lower end of the unit, and thread nut onto the end to secure strut to the bracket installed.



4. Install the cable brackets on each side of the ramp using the bolts and riv-nuts provided



5. Measure 5 ½" from hinge side and install the angle bracket for the pusher strut.



6. Close the ramp and hold the pin bracket, with the pin centered in the slot, make a mark. Lower the ramp and install the pin bracket. \*\*Note: this is a critical dimension, if this is off it will not allow your ramp to close.



7. Hook up 12v power to the actuators using the lead wire at the top of the assembly. Peak draw on the actuators is approx. 18 amps. **\*\*Note: Be sure there is an equal amount of lead wire to each actuator. If they are not equal it will cause them to run at different speeds.**
8. Run the cables out and attach them to the brackets using the shoulder bolt and nut provided with the bracket.



9. Close and open the ramp with the power assembly to insure that it is functioning and latching correctly.