Installation Procedure:

Upon receiving your MCWW equipment, open all boxes and crates and verify that you have all the required components and there is no damage to the equipment. Verify that you have all your installation materials.

- Put the Axis arch in manual mode and push “down” button to lower manifold to a good working level. Turn OFF the MAIN AXIS ARCH CONTROL PANEL SWITCH.
- Pull H.P. manifold upper bullet guide out of track on driver’s side.
- Use a 5/32” hex wrench to remove white bullet guide first. Then the flat head bolt from the grey pvc guide. ( as in picture #1)
- Then remove the old guide and replace it with the new guide. ( as in picture #2)
- Replace white bullet guide back onto rods and tighten set screws.

Remove the existing upper limit sonar and mount and replace with new mount and sensor as in picture #3 or #4.

**NOTE:** YOUR AXIS ARCH HAS EITHER AN “OLD” MODEL LEG OR A NEWER MODEL:

THE THREE PIECE MOUNT IS FOR THE “OLD” MODEL LEG AS SHOWN IN PICTURE #3
THE SINGLE PIECE MOUNT IS FOR THE NEWER LEG AS SHOWN IN PICTURE #4
Bottom sonar needs to be removed. **DO NOT MOUNT NEW BRACKET TO SAME WELDMENT.** Use the set of WELDMENTS above for the new mount.

If the leg is an “OLD” model, use the existing blocks and fasten the three piece mount with 1/4”-1/2” long bolts as shown below.

**NEW WELDMENTS TO BE USED. MAKE SURE MOUNT IS BELOW WELDMENTS.**

**USE 1/4”- 20 X 1/2” LONG BOLTS**

**THREE PIECE MOUNT**

**NEW SENSOR**

**OLD WELDMENTS**

**PIC #3: OLD LEG MOUNT**

**PIC #4: NEWER LEG MOUNT**

**PIC #5: NEW SENSOR MOUNT ON “OLD” LEG**
If the leg is a NEWER model, remove the fasteners holding the rails on the opposite side of the leg and replace with a 1/4”-20 x 1-1/2” long bolts. (see PIC #6). The bolts should be long enough to go through the weldment and “STICK OUT ABOUT 1/2” ON THE OTHER SIDE. Secure the sensor mount with two 1/4”-20 Nylon lock nuts as shown in PICTURE #7 below. Secure the sensor on the mount (see PICTURE #8).
Reinstall the accent covers. You may use the bottom one as is (see PICTURE #9) or “flip” it upside down and make a view hole in front of the new sensor if you want to see the sensor.
Now connect both wires in the main control panel use picture #10 for wiring location.

Pic #10.

A) CONNECT GREEN WIRE OF HIGH LIMIT SENSOR ON INPUT #3 OF SLOT #2
B) CONNECT GREEN WIRE OF LOW LIMIT SENSOR ON INPUT #7 OF SLOT #2
C) CONNECT BOTH RED WIRES TO THE “24VDC” TERMINAL BLOCK
D) CONNECT BOTH BLACK WIRE TO THE “OV” TERMINAL BLOCKS

Turn on the main power to the Axis arch. Keep in manual mode and push “UP” button till manifold is at upper limit switch. Verify green light on switch is on and also SLOT 2 input 3 is lit.

Now push “DOWN” button till you reach low limit and Verify green light on switch is on and also SLOT 2 input 7 is lit.

If everything checks out O.K. push “UP” button and raise manifold somewhere between high and low limit. Then put the selector switch into AUTO mode. Axis will go into home process and when done it will be at upper limit to wait for the READY signal from the car wash controller.

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