



# MINIWRAP MIRROR BUMP AIR PANEL INSTALLATION MANUAL

Part # 7WRAPCOUNTER011,12,13

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## Equipment Utilities

ELECTRICAL	120, 24VAC 10WATTS OR 24VDC, 10WATTS
HYDRAULIC	N/A
PNEUMATICS	1 SCFM @ 100 PSI
WATER	N/A

## Equipment Specifications and Features

- Prevent Damages to Vehicle Mirrors
- Compact Design: Utilize no Tunnel space

## Suggested Installation Tools and Materials

-  STEP LADDER
- HAMMER DRILL
- HAND TOOLS
- MEASURING TAPE

## Notes and safety Symbols

Where necessary, important points will be highlighted in this manual, using the following symbols:



**NOTES: PROVIDES FURTHER INFORMATION!**



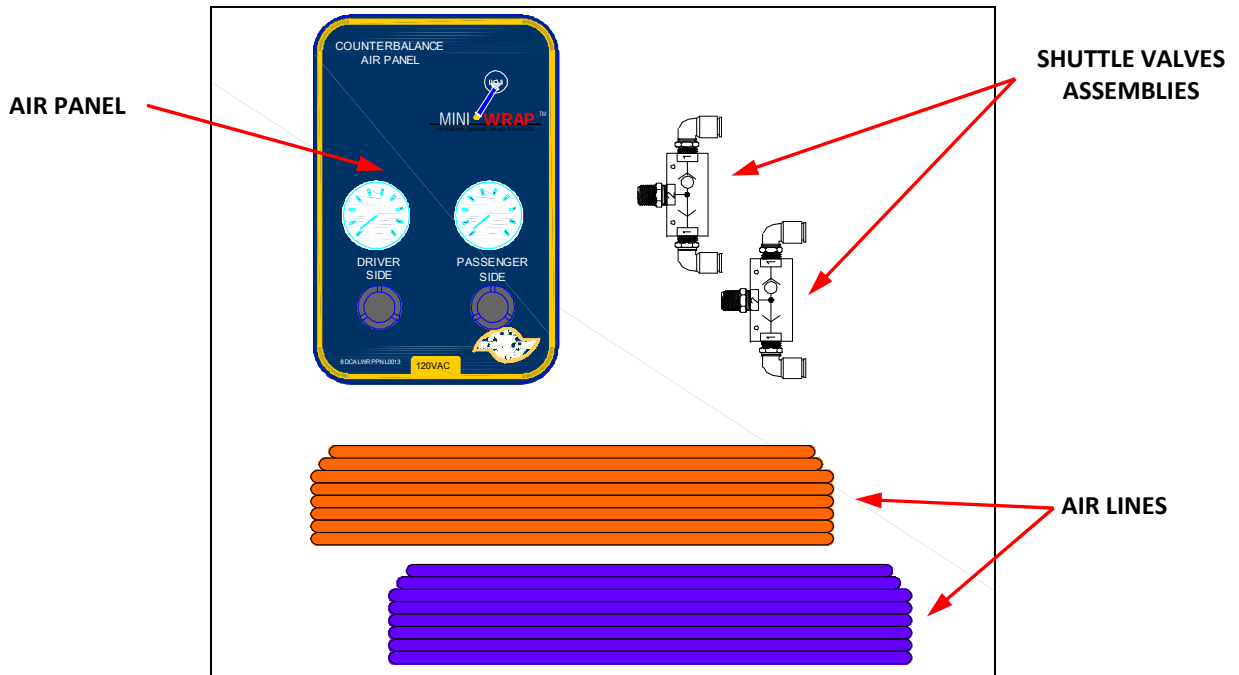
**STOP! PRECAUTION TO TAKE TO AVOID EQUIPMENT MALFUNCTION OR ERROR!**



**WARNING! DANGEROUS SITUATION WHICH MAY CAUSE EQUIPMENT DAMAGES, PERSONAL INJURIES OR FATALITIES!**

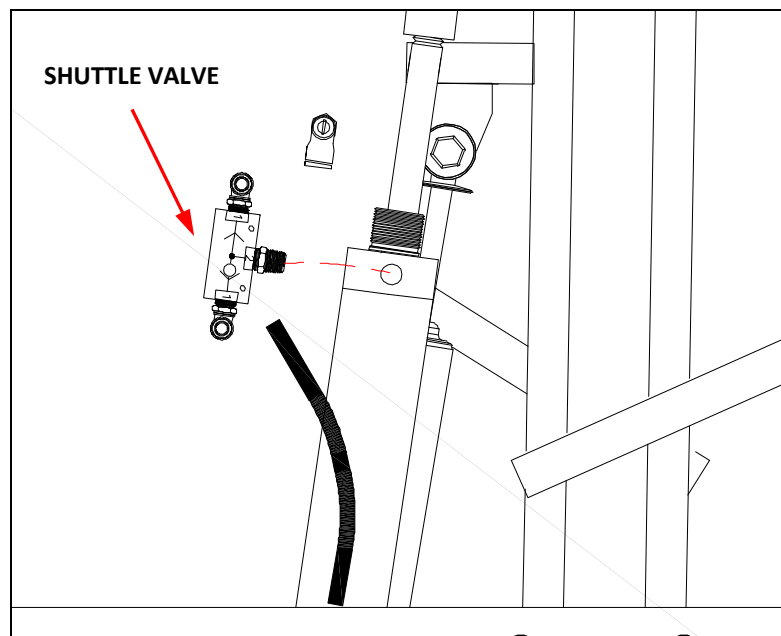
# Installation Instruction

- Open** all boxes and crates and verify that you have all the required components as well as all your installation material.
- Verify** that the air panels operating voltage corresponds to the car wash controller voltage.
- Mount** the air panel in the mechanical room, close to a source of compressed air. Supply the panel with compressed air capable at least 1SCFM @ 100PSI.



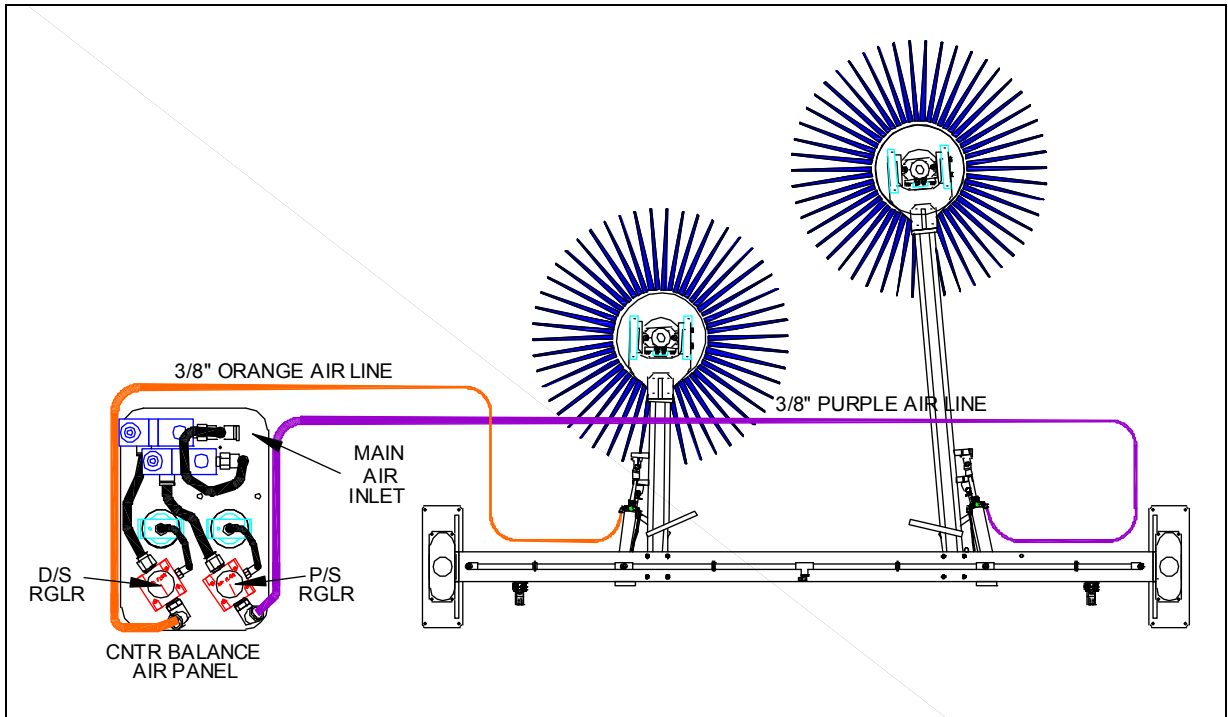
**Pic #1 Counter Balance Air Panel Assembly**

- Disconnect** the existing black air line from the cylinder, remove the elbow fitting and install the shuttle valves assembly on the "rod side" for both wrap cylinders, driver and passenger sides like shown on picture #2 below. Reinstall the existing black air line in one of the two available valve fittings



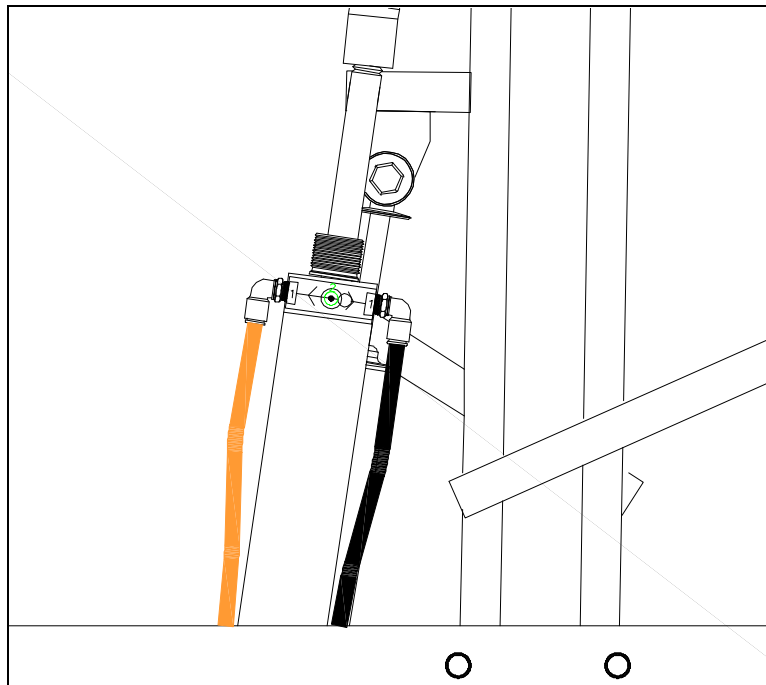
**Pic #2 Install Shuttle Valves Assembly**

- **Pull** supplied orange and purple lines (see picture #3) from the air panel to your Miniwrap air cylinders. Connect the Orange air line to the DRIVER SIDE regulator and Purple air line to PASSENGER SIDE regulator.



Pic #3 Pull Air Lines

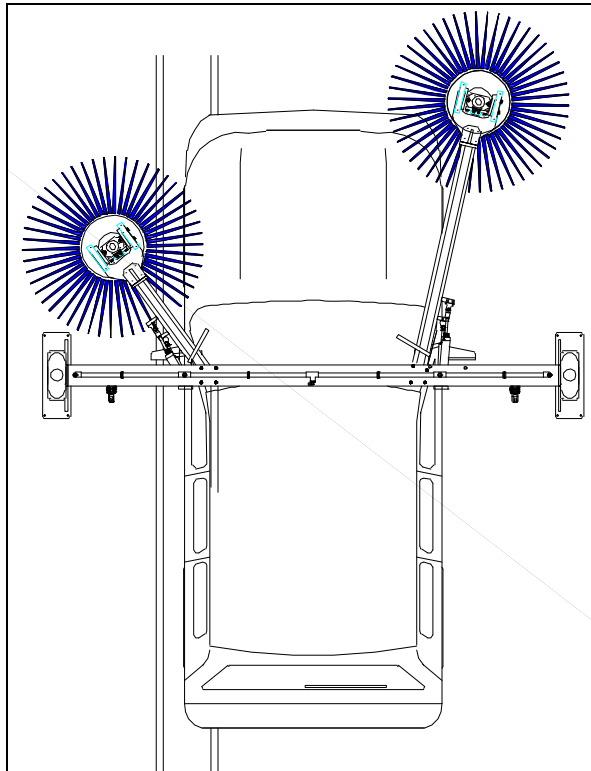
- **Connect** the new air lines on the remaining port for each cylinder.



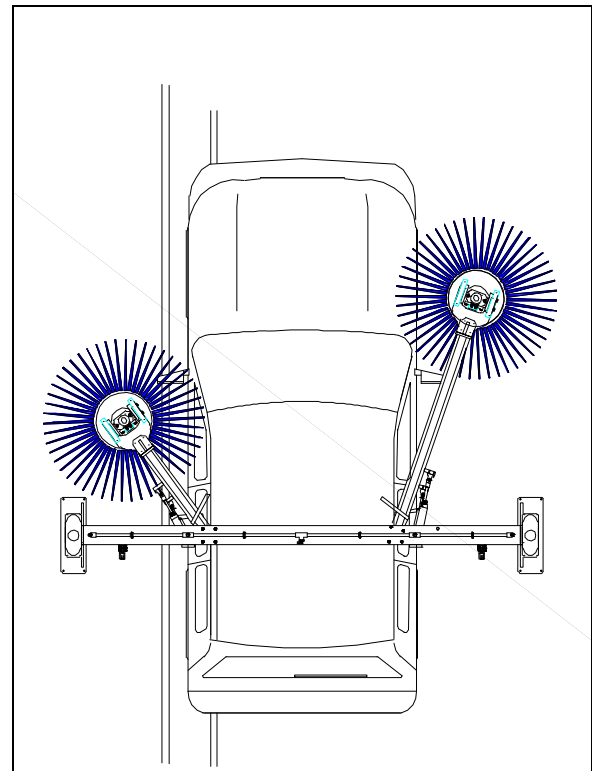
Pic #4 Both Air Lines Connected

## Operation:

- Connect the **DRIVER'S SIDE** air valve to one **OUTPUT** from the **CAR WASH CONTROLLER** and program the output to **TURN ON** a few feet after the driver side brush has reached the front of the car (see picture #5) and stay on until the driver's side wheel has **PASSED BEYOND** the mirror area (**OR ABOUT 9' LONG**).



Pic #5 Driver Side Bump



Pic #6 Passenger Side Bump

- Connect the **PASSENGER'S SIDE** air valve to one **OUTPUT** from the **CAR WASH CONTROLLER** and program the output to **TURN ON** a few feet after the passenger side brush has reached the front of the car (see picture #6) and stay on until the passenger's side wheel has **PASSED BEYOND** the mirror area (**OR ABOUT 9' LONG**).
- Set the air pressure of each air panel regulator to about **10 to 20 PSI** less than the extend cylinder air pressure. For example:
  - If the Passenger Side air cylinder regulator is set at **50 psi**, then set the mirror bump air panel regulator at **30 psi**. To decrease the brush pressure to the mirror area, increase the regulator to **35 psi**.
  - If the Driver Side air cylinder regulator is set at **40 psi**, then set the mirror bump air panel regulator at **20 psi**. To decrease the brush pressure to the mirror area, increase the regulator to **25 psi**.

## Warranty and Return Procedure:

**Motor City Wash Works** warrant this product to be free of defect in material and/or workmanship for a period of **one year** from the date of the purchase by the customer from MCWW. During the warranty period MCWW will at its discretion, at no charge to the customer, repair or replace this product if found defectives, with a new or refurbished unit, but not to include costs of removal or installation. Any product returned to MCWW for warranty has to have a **Return Material Authorization Number**. All shipping cost to MCWW is assumed by the customer. This is only a summary of **MCWW Limited Warranty**. Please, communicate with MCWW for our complete warranty.

**Prior** to returning any product to MCWW, the customer must call in for **Return Material Authorization Number** and a copy of our **Return Material Authorization** Form filled and completed. The **RMA** number must be written clearly on the outside of the shipping package and copy of the form must be included in the package.