



Tire Shine Hydrflex Upgrade Installation Guide

8/23/2018, Version 1.0

1) Verify that you have all the parts included in the kit (Figure 1):

- a. Sixteen 8-psi check valves (red button, black plunger)
- b. One 100-ft box of ¼" clear vinyl tubing
- c. One roll of ½" black vinyl tubing
- d. Sixteen stainless steel nozzles
- e. One roll of thread seal tape
- f. Two stainless steel manifolds
- g. Four mounting brackets
- h. Eight ¾" plugs
- i. Two foot valves
- j. Four ceramic weights
- k. Two white T-shaped quick-connects.
- l. Two ¾" male thread to ½" quick-connect fittings
- m. One 2.00 GPM dual port injector
- n. Bracket mounting hardware (Four screws and bolts with washers)
- o. Shield mounting hardware (20 screws, 20 nyloc nuts, 40 washers)
- p. 20 black plastic manifold clamps
- q. Two plexiglass and two black rubber shields



Figure 1



Figure 2



Figure 3

2) Thread seal tape the sixteen nozzles and check valves. Screw the nozzles into the check valves until hand tight. Make sure the nozzle is positioned so the spray pattern will be horizontal (Figure 2).

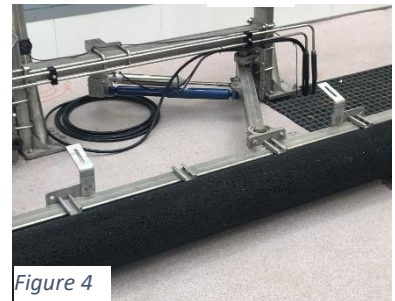


Figure 4

3) Screw all sixteen check valves into the two stainless steel manifolds (Figure 3).

4) Remove existing manifold from tire shine.

5) Attach brackets to existing spare bearing plates on the tire shine with bracket mounting hardware (Figure 4).

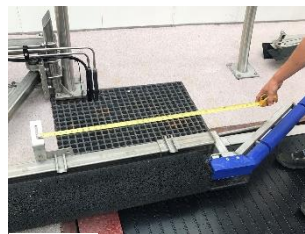


Figure 5



Figure 6

6) The shields are shorter than the tire shine brush. Measurements should be made to center the shield over the brush in preparation for drilling (Figures 5 & 6).

7) Elevate the shields for drilling. Use a 1/4" or 5/16" bit. Use the measurements to mark holes for drilling for bracket attachment (Figure 7). The black plastic



Figure 7



Figure 8

manifold clamps can be used as a guide for drilling the second holes. Loosely attach these two manifold clamps with bracket mounting hardware (Figure 8).

- 8) The remaining three plastic manifold clamps should be evenly spaced on the manifold. Drill holes and attach the manifold clamps, tightening most of the way (Figure 10).

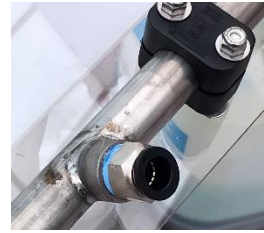


Figure 9



Figure 10

- 9) Insert the $\frac{3}{4}$ " male thread to $\frac{1}{2}$ " quick-connect into center manifold opening and tighten with a wrench (Figure 9).
- 10) Attach the manifold to the brackets with the appropriate manifold clamps. Attach towards the back end of the bracket slot for optimal spray coverage.
- 11) Rotate the manifold to angle the nozzles so they will spray on the center of the brush. Tighten all manifold clamps. The plexiglass shield should hover $\frac{1}{2}$ to 1 inch above the brush bristles.
- 12) Repeat this process for the second manifold attachment.
- 13) Attach $\frac{1}{2}$ " black vinyl tubing feed from detergent pod to the center quick-connect.
- 14) Use the included injector and draw line to set up a Hydrflex function for tire shine.

