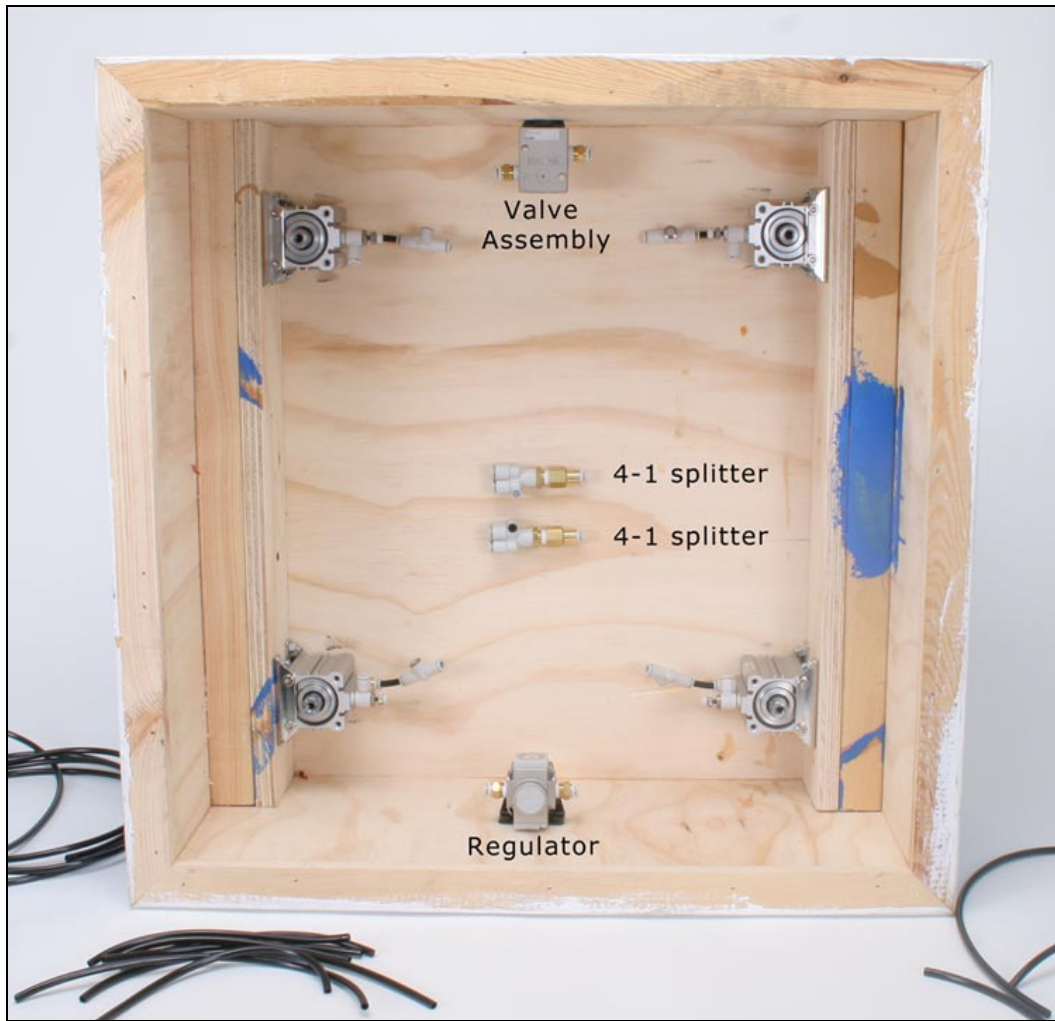


Subject: Connecting a pneumatic braking system

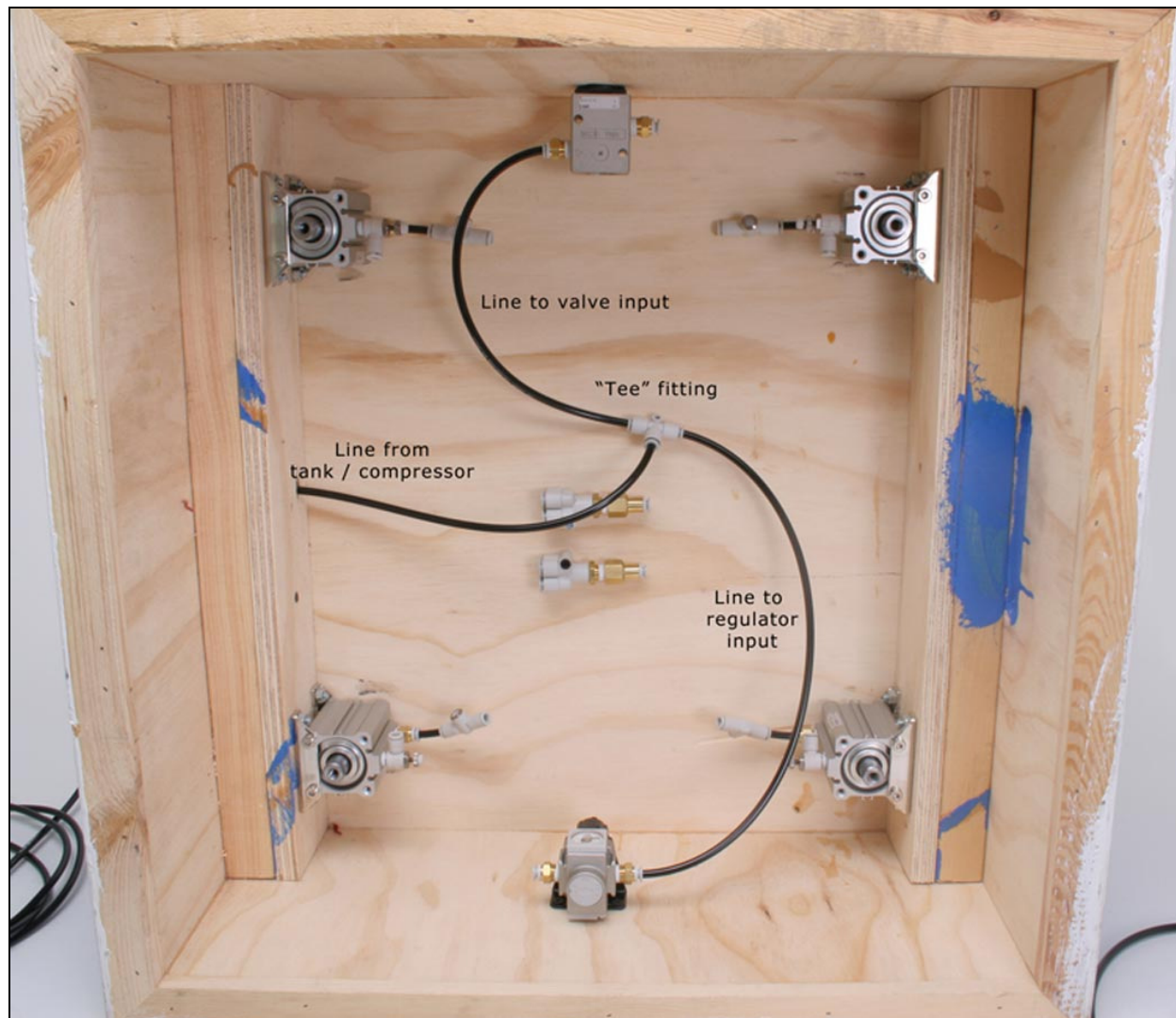
- ❑ Mount cylinders in appropriate location to allow braking using the supplied brackets. This is an application specific process. Cylinders will have a short piece of tubing with a blow-off valve already attached.
- ❑ Mount the valve in a location that is easy to actuate.
- ❑ Mount the two splitters in a central location that will allow plumbing to the cylinders. Please note: the pneumatic tubing from the splitters to the cylinders must be equal length to allow proper operation of the system. Cut all tubing to the maximum length and secure as necessary.
- ❑ Mount the regulator in a safe location.
- ❑ See the diagram below for a sample setup.





Northwestern Costume
825 Rhode Island Avenue South
Minneapolis, MN 55426-1611
763 544-0601 763-525-8676 (fax)

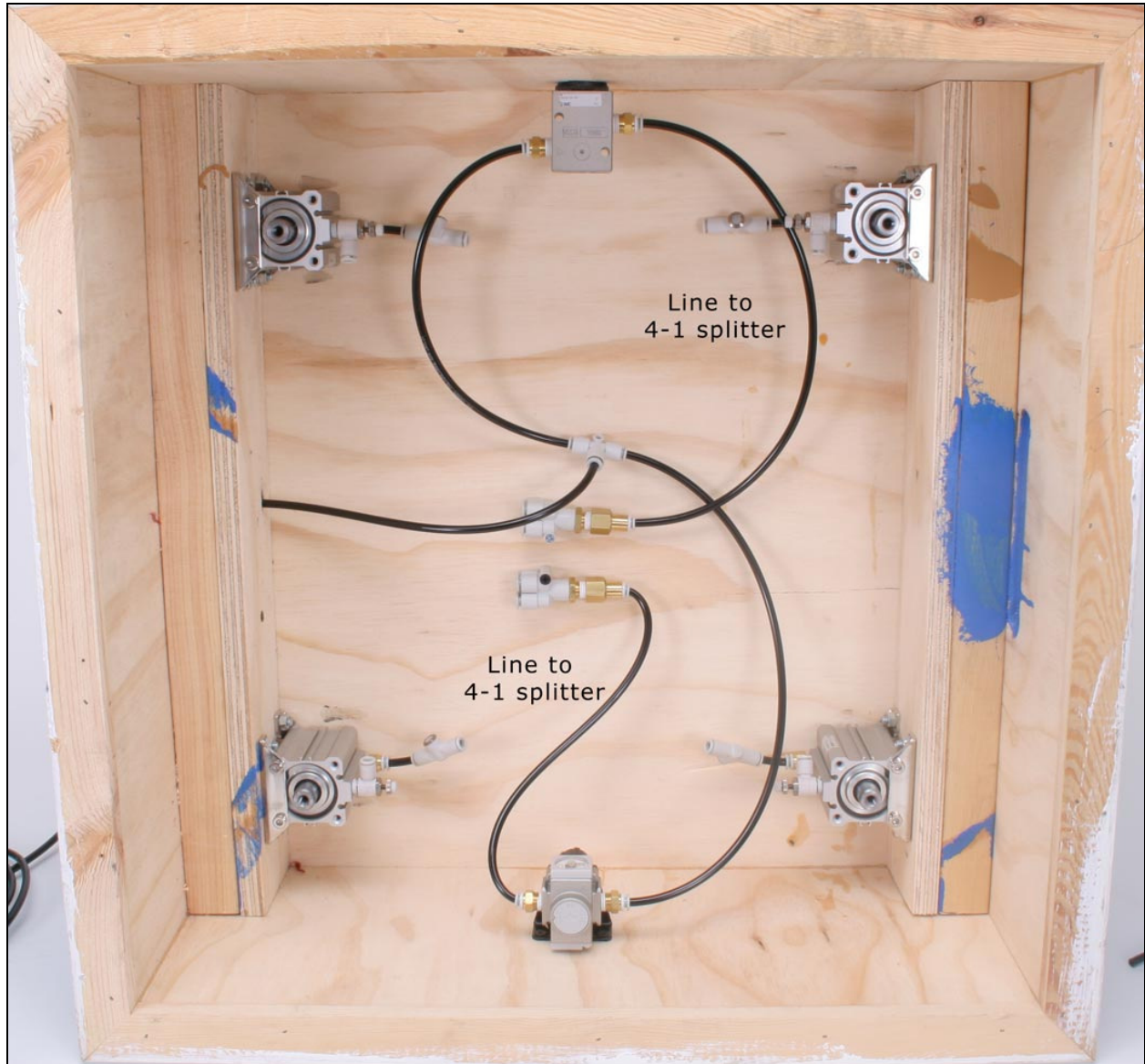
Run the supply line from the source (tank, compressor, etc) to a "tee". Run from the "tee" to the input of the regulator and the valve assembly. See the sample below.





Northwestern Costume
825 Rhode Island Avenue South
Minneapolis, MN 55426-1611
763 544-0601 763-525-8676 (fax)

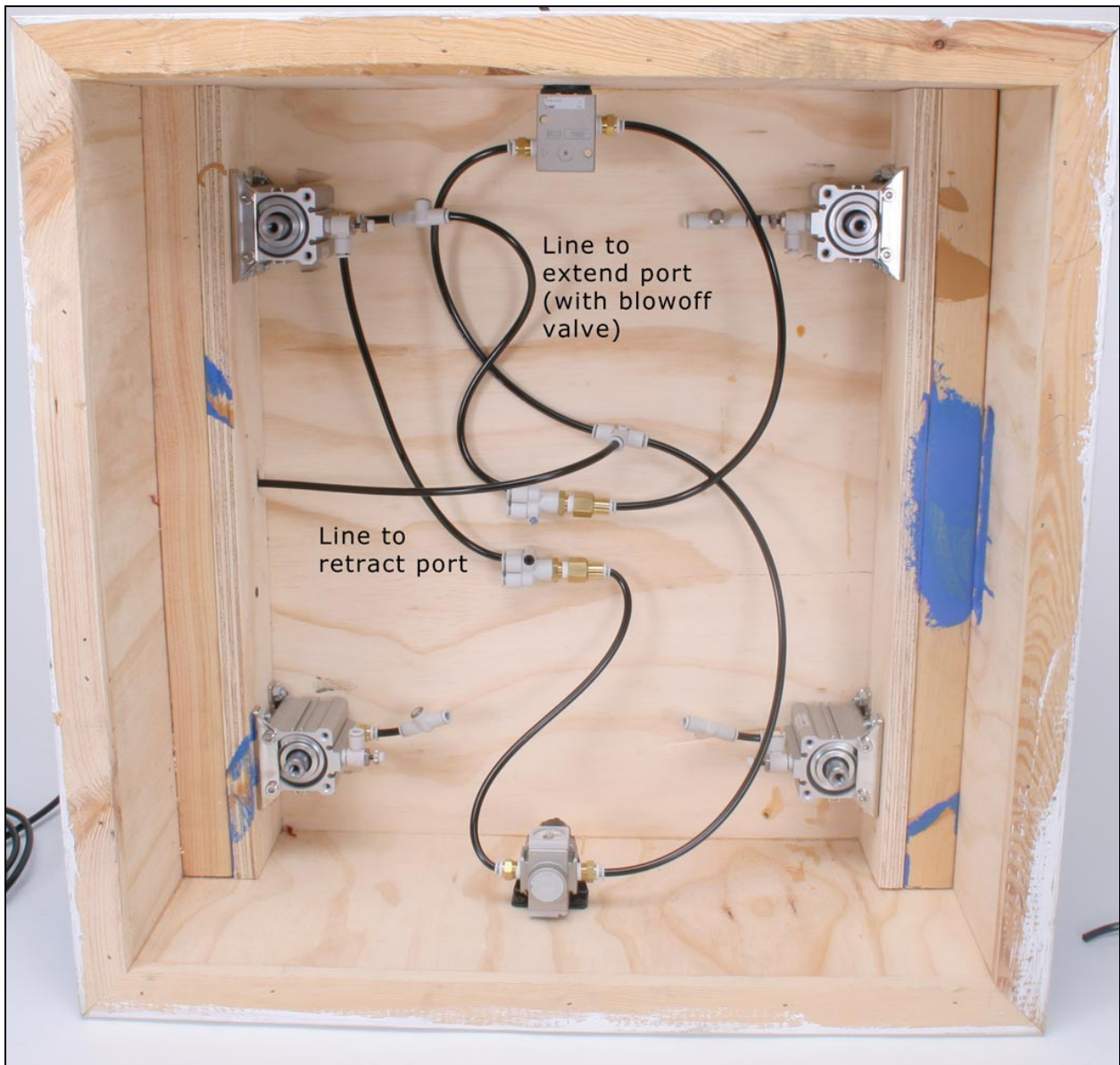
Run tubing from the output of the valve to one of the 4-1 splitters. Run another piece of tubing from the output of the regulator to the second 4-1 splitter.





Northwestern Costume
825 Rhode Island Avenue South
Minneapolis, MN 55426-1611
763 544-0601 763-525-8676 (fax)

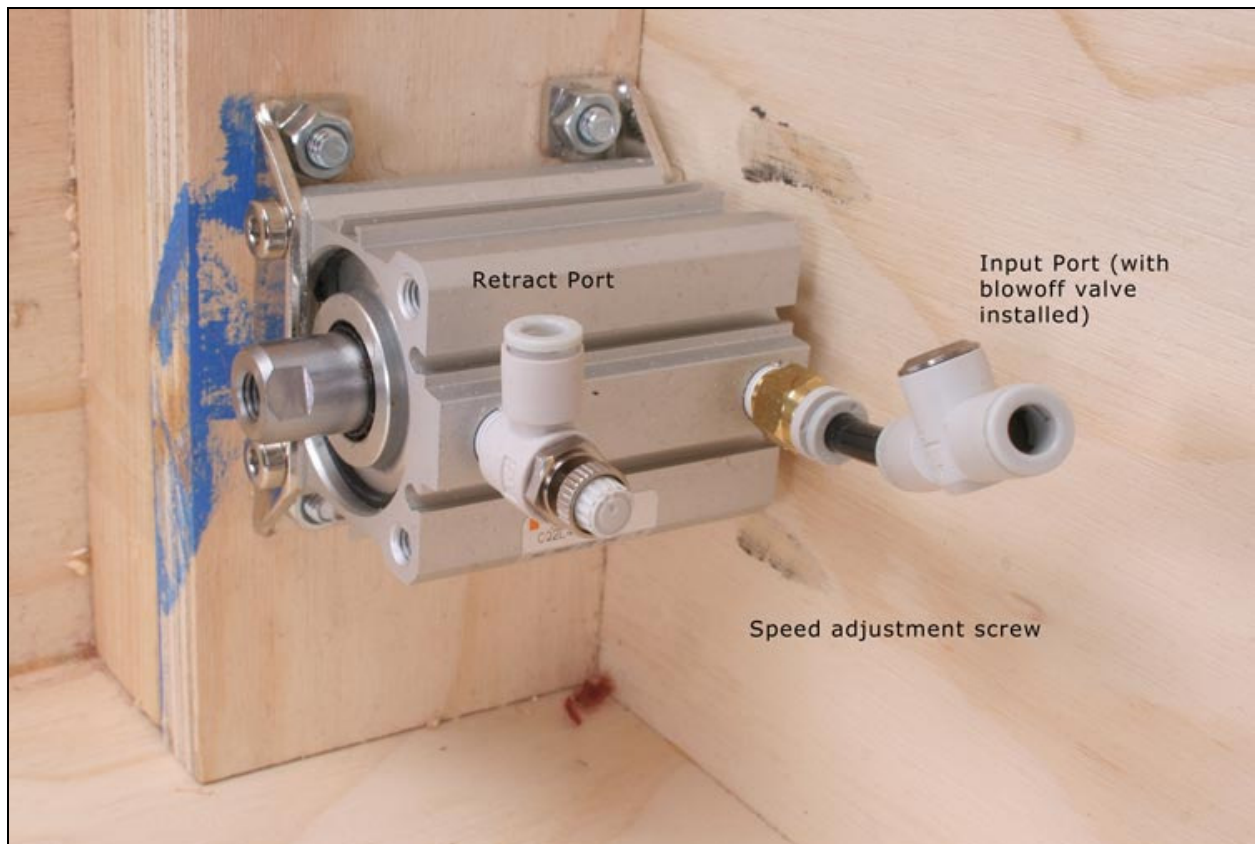
Run a piece of tubing from the 4-1 splitter from the valve to the input of the cylinder (with the blow-off valve). Run another piece from the regulator 4-1 splitter to the retract input on the cylinder. PLEASE NOTE: All tubing from the splitters to all of the cylinders must be of equal length to allow proper operation. Cut tubing to the maximum length and secure as necessary. See the example below (only one cylinder is plumbed). If you are not using all ports on the 4-1 splitter, extra ports must be plugged, or the system will not function.





Northwestern Costume
825 Rhode Island Avenue South
Minneapolis, MN 55426-1611
763 544-0601 763-525-8676 (fax)

See the detail of the cylinder for more information. Please note: in a typical application the speed setting on all cylinders should be set to the same speed. To slow the speed of the cylinder, tighten the adjustment thumb screw. Loosen to speed up the cylinder.



The regulator should be set to a low setting (approximately 10% of the input pressure). This will allow the high pressure to overcome the low pressure retract input. Start with a pressure of .2 MPa. Adjust as necessary as the input pressure will determine the final setting.

