ECU Valve Harness
FL=Front Left
FR=Front Right
RL=Rear Left
RR=Rear Right
T=Tank

U=UP
D=Down

ECU To Valve

Front Black heat shrink wire harness
FL U=Black/YellowGreen
FL D=Red/Orange
FR U=Blue/Grey
FR D=Yellow/White

Rear RED heat shrink wire harness
RL U=Black/YellowGreen
RL D=Red/Orange
RR U=Blue/Grey
RR D=Yellow/White

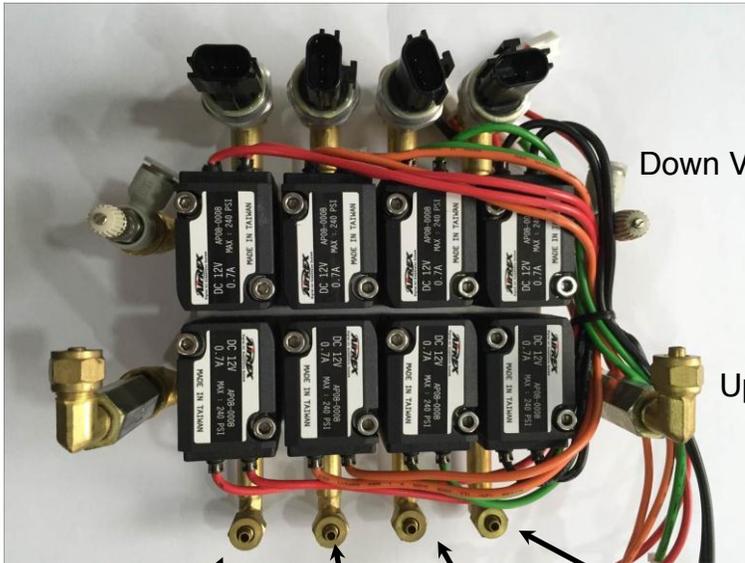
Black harness = Front
Red harness= Rear

Wires on valve

Red = Front Left
Orange= Front Right
Green= Rear Left
Black= Rear Right

There will be 2 of these. You will have to run the pressure line from the tank and use a tee fitting.

Tank Supply
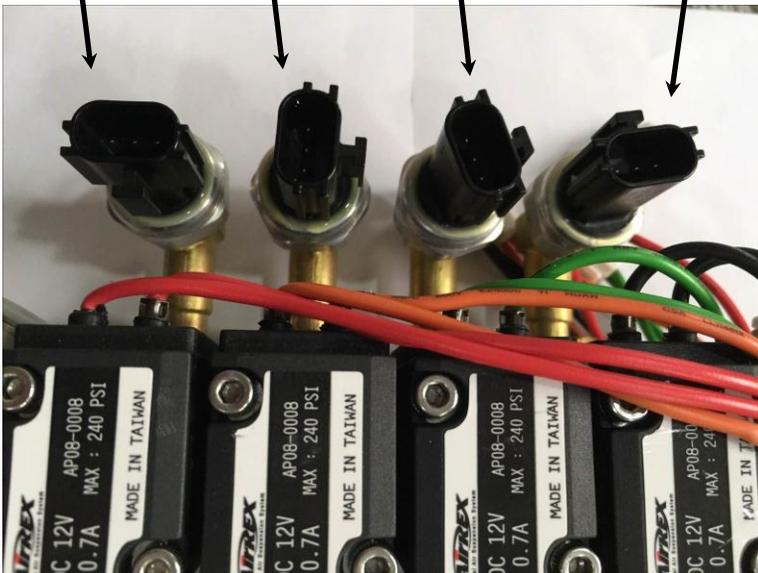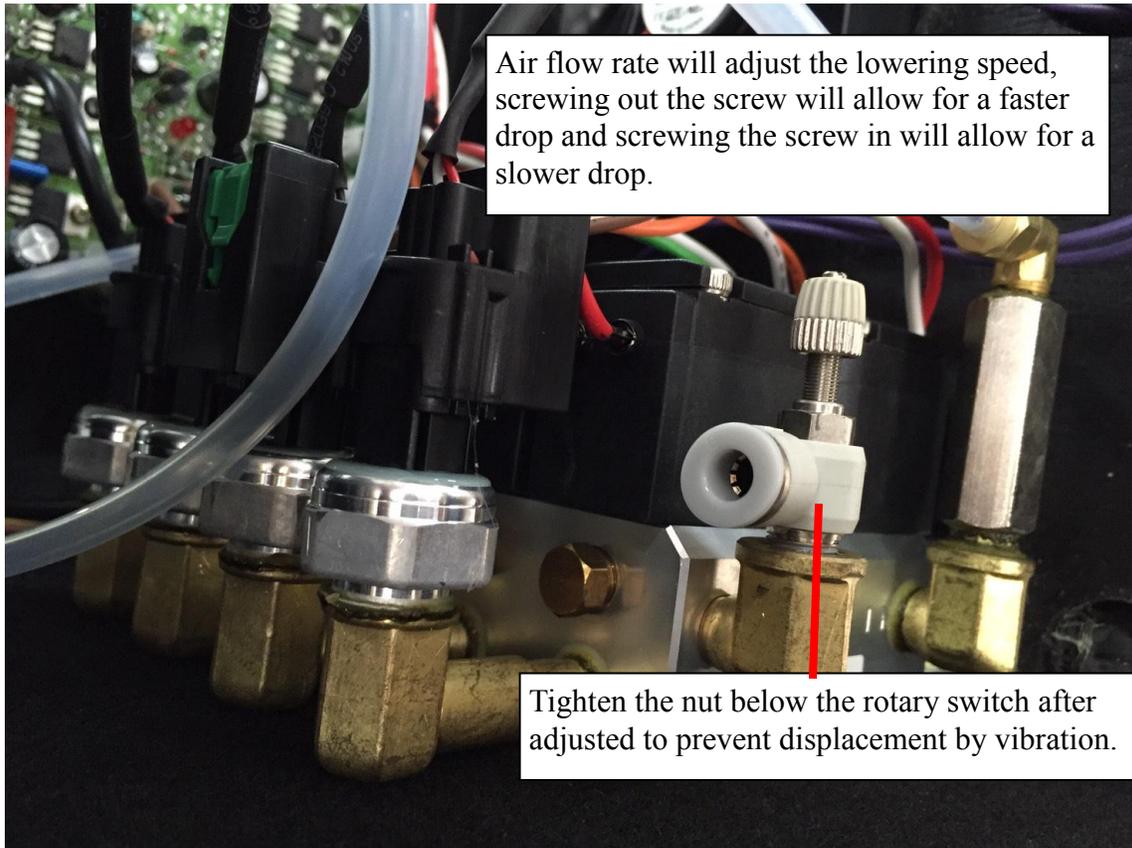

Down Valves

Hoses that go to the air bags will connect to these four fittings

Up Valves

Front Left   Front Right   Rear Left   Rear Right

Plug the pressure sender harness to each pressure sender. The last wire wire will go onto the tank pressure sender on the tank.

AirRex Manifold valve assembly. Adjustment of flow rate for lowering vehicle

Air flow rate will adjust the lowering speed, screwing out the screw will allow for a faster drop and screwing the screw in will allow for a slower drop.

Tighten the nut below the rotary switch after adjusted to prevent displacement by vibration.

The lowering speed can be adjusted by users, open the acrylic cover of the systems case, you will see 2 white air flow regulators on inner and outside on manifold valve at right side, the outside is controls the front shock absorbers, and inner controls the rear.

With the screw turned counter clockwise all the way up will increase lowering speeds, and turning the screw clockwise will decrease the lowering speeds.

Retighten   the nut below the rotary switch after adjustment is made to prevent movement by vibration.

For safety reasons, the vehicle only can adjust the descending speed, ascending rate is disabled.

Don't forget to drain out the water from reservoir regularly. Connecting the air hose to the drain valve, and turn the red valve on, the water in the reservoir will drain out with high pressure, turn off the valve when there is no water coming out from air hose.

Always use a hose cutter to cut hose. Never use a wire cutter or scissors to trim hoses. Failure to do so will result in air leaks.