

MSD Team P17453

Meeting Notes

2/21/17

Meeting Accomplishments:

- Carvey consulted with Rob in the machine shop and we decided to make our own brackets for the solenoid valves instead of using modified 8020 brackets(too small)
- Tested using SignalExpress to activate the solenoids on and off
  - Used 500 ms - 500 ms on-off cycle predicted in theory
- Tested putting pressure in back air tank
  - Discovered that pressure relief valve we bought won't hold air pressure after source stops incoming air to vessel
  - Need something that will hold at 40 PSI then pop at 41 PSI until 40 PSI again, etc.
- Tried figuring out how to use the pressure transducer and got it to take data alongside the solenoid valve operations
  - Needed to use external power supply for pressure transducer
- Learned that the studs used to hold together the valve manifold assembly are back-ordered to mid-March
  - Might buy from somewhere else to save time