

MSD Team P17453

Meeting Notes

3/30/17

Meeting Accomplishments:

- Ordered muffler attachments for exhaust valve and o-ring grease to hold o-rings in place
- Updated Bill of Materials with o-ring grease
- Discussed timing the solenoid valves to leave a time when only the poppet valves are open at the crest of the pressure curve
- Did more preliminary tests to look at the frequency spectrum of a few different valve timing configurations
  - Instant switch from intake to exhaust
  - Exhaust opens a little before intake closes
  - 100ms gap of both intake and exhaust closed, two tests for both sets of springs
  - The data still needs to be analyzed
- More progress on technical paper and poster