

## Formula SAE Checklist

- Engine compression over 110PSI
- Crank, Cam, etc. timing to be in sync
- Injectors used should have more than 8ohm resistance
- Injector should be clean and all four flow rate same
- Injectors should be installed properly with no leaks
- Make sure injector O-Rings are new
- Fuel tank shouldn't have any leaks
- MPFI fuel filter must be installed
- Fuel Pressure of at least 40PSI
- Proper piping for return or non-return type fuel pump
- Fuel hose used should be of only high pressure grade (EFI)
- Sufficient fuel pipe clamps to be present
- No intake system leaks anywhere
- 4 sets of spark plugs with more than 1000ohm resistance
- Min 10mm inner thickness wire to be used for starter motor
- Min 10mm wires to be used for all grounding applications
- All ground wires to be in black colour and supply in red
- No exhaust system leaks

- Exhaust end can shouldn't be close to the fuel tank
- No oil leaks
- No fuel leaks
- One new 35Ah battery for testing purpose
- All sensors and actuators should be working
- Minimum 4 students present at all times
- Exhaust noise shouldn't exceed 120db
- If dyno tune required vehicle should be drivable with seat
- 1 fire extinguisher
- Engine without vehicle to be mounted on sturdy frame
- Throttle and clutch cable should be installed properly
- Maruti Omni fuse box to be used (6 slots)
- Engine coolant system should be adequate without leaks
- Arriving at facility with finalized engine platform