

VEHICLE OPERATION RULES

General Rules:

1. When operating the vehicle, one person must have a cell phone with enough battery to make a call. In case of emergency, call 911.
2. The vehicle is not street-legal. Do not drive on public roads.
3. Confirm explicit permission from the property owner before operating the vehicle on private property.
4. If trailering the vehicle, use proper loading and strapping procedures.
5. If operating in a parking lot or near buildings or people, use traffic cones to block off a testing zone.
6. Two people must be present when operating the vehicle. Always assign someone to watch surroundings for possibly safety concerns such as people walking or driving by. This person must be ready to stop and direct traffic if necessary.
7. Do not drive the vehicle in small buildings or confined spaces. The exhaust will quickly become hazardous.
8. Do not drive the vehicle when you are impaired. Do not drive when you are too tired, stressed or hurried to drive carefully.
9. Never annoy or distract the vehicle driver or operator unless there is a safety risk.
10. Do not operate the vehicle unless you have been properly trained and approved to do so.
11. Do not leave the vehicle unattended.
12. Always wear the seatbelt while driving or riding in the vehicle.

Pre-Drive Checklist:

1. Visually check the tires for low pressure or damage. If necessary, consult the tire's specifications to check tire pressure (maximum pressure is marked on the sidewall).
2. Visually check the vehicle for fluid leaks. This includes:
 - a. Brake fluid
 - b. Differential or gear oil
 - c. Motor oil
 - d. Gasoline
3. Briefly test the horn.
4. Describe intended testing methods to all who are present; this will make operation malfunctions much easier to notice.
5. Confirm that all components and wiring are properly secured, especially near the wheels. No cables should be hanging down from the vehicle at any point.
6. Release all emergency stop buttons on the vehicle and console.
7. Power on the console and the vehicle electronics and wait for the ARMED light to come on. This signifies that the vehicle is ready to take commands and has gone through its power-up sequence before the motor is started.
8. Shift the transmission into Neutral (or Park on the console) before starting the motor.
9. Apply the pedal brake when starting the vehicle. The choke may need to be adjusted to start the vehicle and maintain idle speed. If this is not a familiar process, seek help.

Autonomous Extra Testing Guidelines:

1. All parties present must be informed that the vehicle will be switched to autonomous mode.
2. Someone should sit in the vehicle, ready to operate the brakes and electrical kill switch.
3. The vehicle must be tested in a fenced in field. The field must be in a location that has no bystanders nearby as this could pose a hazard for all parties involved.
4. The test area must be private property with authorization from the owner.
5. When operating in autonomous mode, the vehicle will not exceed 5mph.
6. Testing must be done on a clear day. Lighting conditions may have a negative effect on the sensors which could lead to delayed response times.

If for any reason one of the pre-drive checklist items is unconfirmed, take the appropriate action to fix the problem. If it cannot be fixed in the field, return to the lab. Operating with a compromised system is extremely dangerous.