

Participating School: \_\_\_\_\_ Advisor: \_\_\_\_\_

Class: \_\_\_\_\_ Car Number: \_\_\_\_\_ Team Representative: \_\_\_\_\_

**\*\*\* If your school is entering TWO OR MORE VEHICLES, please feel free to make a copy of this form. \*\*\***

### **Supermileage Pre-Challenge Inspection Check Off List**

This list is to be used to evaluate your Supermileage vehicle prior to bringing it to Dells Raceway Park for the challenge. It should be used only as a pre-inspection checklist for the actual Supermileage inspection to be completed at the challenge. If your vehicle does not meet each qualification listed, then your vehicle will most likely not pass the Friday inspection. All vehicles must meet all characteristics before they will be allowed to compete. If changes are made to a vehicle, the vehicle may be required to re-start the inspection process. It is advisable to make sure your vehicle will not require any alterations. Repair resources will be limited.

**This form is to be used as a self-check only.** Officials at the Supermileage challenge will make final decisions whether or not an Supermileage vehicle complies with all regulations. This form is NOT required at the Wisconsin Dells Supermileage Challenge. An official form, nearly identical to this one, will be used during event inspection and qualifying. Wisconsin Dells Supermileage Challenge officials will have the final judgment in all cases regarding rules and criteria. We encourage questions and comments from all participants regarding the process.



### Station 3

#### Helmets

DOT and/or SNELL rated motorcycle type helmet.

#### Fire Extinguisher

2 lb. (minimum) multipurpose ABC dry chemical fire extinguisher located on the vehicle that can be accessed by the driver in 5 seconds or less.

#### Exhaust System

Exhaust must exit the vehicle body, no leaks or cracks in the exhaust system.

#### Seat Belt

3-point seatbelt mounted to the vehicle frame, latch of automotive type.

#### Roll Bar

MINIMUM 6" higher than the driver's body, head, and helmet, MINIMUM width of driver's shoulders, made of substantial material.

Roll bar can hold 350 lbs. static weight, with minimum deflection.

Roll bar is situated at a 25 – 45 degree angle and is assembled to the chassis.

#### Comments:

Team	Advisor	Official
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

### Station 4

#### Kill Switch

Must be a toggle type with a minimum of a 1/2" paddle.

1 within reach of driver.

_____	_____	_____
_____	_____	_____

Team	_____	Advisor	_____	Official	_____
	_____		_____		_____

1 accessible from exterior.  
 1 located on engine shroud. (STOCK ONLY)

**Florescent Orange**  
 Both switches must be marked with a SOLID 2" or larger florescent orange square.

**Guards and Shields**  
 All moving power train components and pinch-points must be guarded to prevent contact with the driver and/or pit crew members.

**Firewall**  
 Steel or aluminum material of 0.032" in thickness, higher than any portion of driver's head and helmet.

**Floor Pan**  
 Steel or aluminum material of minimum 0.032" in thickness, extends from firewall to beyond driver's feet, complete protection from side to side of cockpit.

**Comments:** \_\_\_\_\_

**Station 5**

**Steering & Maneuverability**  
 Steering geometrically capable of 50' maximum outside turning diameter.  
 Steering linkage that enables the driver to alter the direction of the vehicle from a wheel or hand bar that accommodates two hands.

Team	_____	Advisor	_____	Official	_____
	_____		_____		_____

**Driver Weight**  
 Minimum driver equipment  
 (includes helmet, pants, long sleeve shirt and  
 full coverage foot wear)

Team

Advisor

Official

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Comments:**

**Station 6**  
**Additional On-Board**  
**Equipment**

Batteries can be carried in a vehicle but their  
 use is limited by engine classification.

**Fuel Bottle**

Plastic bottle, which is a 250 ml separatory  
 funnel.

Must have clamping device that supports  
 and holds fuel bottle in place.

Clamping device and bottle behind vehicle's  
 firewall and contained within the body.

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Maximum of 2' (feet) of fuel line.

Fuel line clamped within 2" (measured vertically)  
 of fuel bottle end.

Fuel bottle located at carburetor level or original  
 level of gas tank.

Fuel filter to be vertical within + or - 10 degrees  
 In it's running condition, or be mounted securely

So that it can not be moved during fueling.

**Comments:**

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### Station 7

#### Engine

**Classification** Check one engine classification

B&S Stock a stock engine.

(No Electric start)

Open stock is a stock engine. \_\_\_\_\_

Modified is within specifications.

(No Electric start)

Concept class.

**Comments:**

Team \_\_\_\_\_ Advisor \_\_\_\_\_ Official \_\_\_\_\_

### Station 8

#### Electronics (Added)

Adequate space provided for possible on-board electronics equipment.

(This step will be a test of the equipment for both the team and Wisconsin Dells Supermileage officials. The device may be mounted in the vehicle before the actual brake test and removed afterwards.)

#### Braking System

Adequate for stopping the vehicle in a reasonably straight line.

Must be able to stop the vehicle within 50' from a minimum speed of 15 mph with the engine running.

**Comments:**

\_\_\_\_\_