

2.007 Electric Vehicle Section 2013
Milestone 7 Vehicle Chassis Checkoff

Team member names:

Vehicle name (if any):

The first five criteria are mandatory: failure of any means a written plan must be created to address the problem. One point per criterion passed. Grading: 10/9 A, 8/7/6 B, 5/4 C, else F

- 1. The frame is assembled and can support weight without unreasonable flexing**
- 2. Mechanical subsystems such as steering, braking are mounted rigidly and do not wobble or flex.**
- 3. The vehicle can roll freely without mechanical interference in the drivetrain**
- 4. The vehicle can stop using the final braking method as-designed or the braking method can prevent drive wheel motion if applicable**
- 5. The motor is mounted properly (not necessarily connected to the drivetrain)**
6. All provisions for hooking the motor up to the drivetrain are finished (e.g. pulleys are properly bored and mounted, tensioners and retainers mounted)
7. Fasteners are properly used and installed (e.g. all screws and bolts tightened, bolts are not used in shear, standoffs and spacers are not made of stacks of washers)
8. No portions of the frame are bent or forced to fit an assembly – all machined and fabricated components fit true and square, or as-designed
9. All materials used in the vehicle are final and documented in the Bill of Materials. No prototyping mat'ls (e.g. class-supplied wood) or "tape and zip ties" construction is present.
10. The final seating or riding arrangement is present.

If your vehicle did not qualify for all of the first five points or is not complete as of the checkoff date, you must have a written plan of completion including descriptions of all parts still to be fabricated, assemblies to complete or rework, parts to order, and anticipated dates of completion. Put this in your notebook.

Final points: / 10

Comments:

Recommendations:

Directives (Must be addressed):