#### A white jeep parked in front of a blue wall Description automatically generated with medium confidence

**Week 3.4:**

This weeks focus was on troubleshooting mechanical systems. Continue to use the system you chose and further analyze it. It may be necessary to make some assumptions about your system; clearly state any assumptions you make. Include a picture of your system and its technical specifications or nameplate in your document. Create a word document that presents this information and then answers the following questions:

* What components of your system are prone to failure?

**Tires are most prone because there have no lubricant and therefore wear down the fastest. Next might be the brake pads and belts. Seems like most things that don’t use lubricants need to be replaced more often.**

* What parts of your system need the most maintenance?

**The engine itself has the most movement which wears on the engine’s lubricant (oil). Along with rotating the tires to help prevent uneven wear and premature failure.**

* Are there any parts of the system that could be upgraded or redesigned?

**Yes, there are many parts that can be upgraded to Performance level products. Such things include better air intake, higher quality lubricants, improved vehicle suspension.**