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Prelab 7

**Determine the maximum torque provided by the servo with a 4.8V power supply**

* 16.6 oz-in

**Determine the maximum torque provided by the stepper motor with a 12V power supply at 200steps/s.**

* 100 gf-cm = 9.806\*10-3 N-m

**Explain which motor has more torque.**

* The servo provides a torque of 16.6 oz-in = .117 N-m
* The stepper provides a torque of 100 gf-cm = 9.806\*10-3 N-m

The servo has more torque

**Peak torque in my car is 601 N-M. How many lab stepper motors would it take to equal the torque in my car?**

* Approximately 61000.