

Speed Limiter and Cruise Control

Team Members

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Project Description <https://www.youtube.com/watch?v=ka89Jx6L7QQ>

1. Speed Limiter:

The speed limiter is used to limit the speed of the car at a certain specified speed. It is turned on/off and configured by three buttons. Whenever the driver tries to surpass the speed limit, they should find the gas pedal harder to press, nevertheless a harder press on the pedal will suffice to accelerate over the speed limit and then a flashing warning sign should appear in the dashboard.

2. Cruise Control:

The cruise control is used to automatically maintain the speed of the car at a certain specified speed without the driver pressing the gas pedal. It can be turned on/off and configured by three buttons (two of which are shared with the speed limiter). At any time, the driver can press the breaks or the gas pedals to accelerate or decelerate the car and then a flashing warning sign should appear in the dashboard.