

Participant Orientation PowerPoint Presentation

DrIIVE Track B

Document ID: N2015-005
Authors: Dawn C. Marshall,
Rose A. Schmitt
National Advanced Driving
Simulator
2401 Oakdale Blvd.
Iowa City, IA 52242-5003
Fax (319) 335-4658



Drowsy Driving

Orientation to the Simulator Cab and Study Requirements

Press the space bar to advance slides.



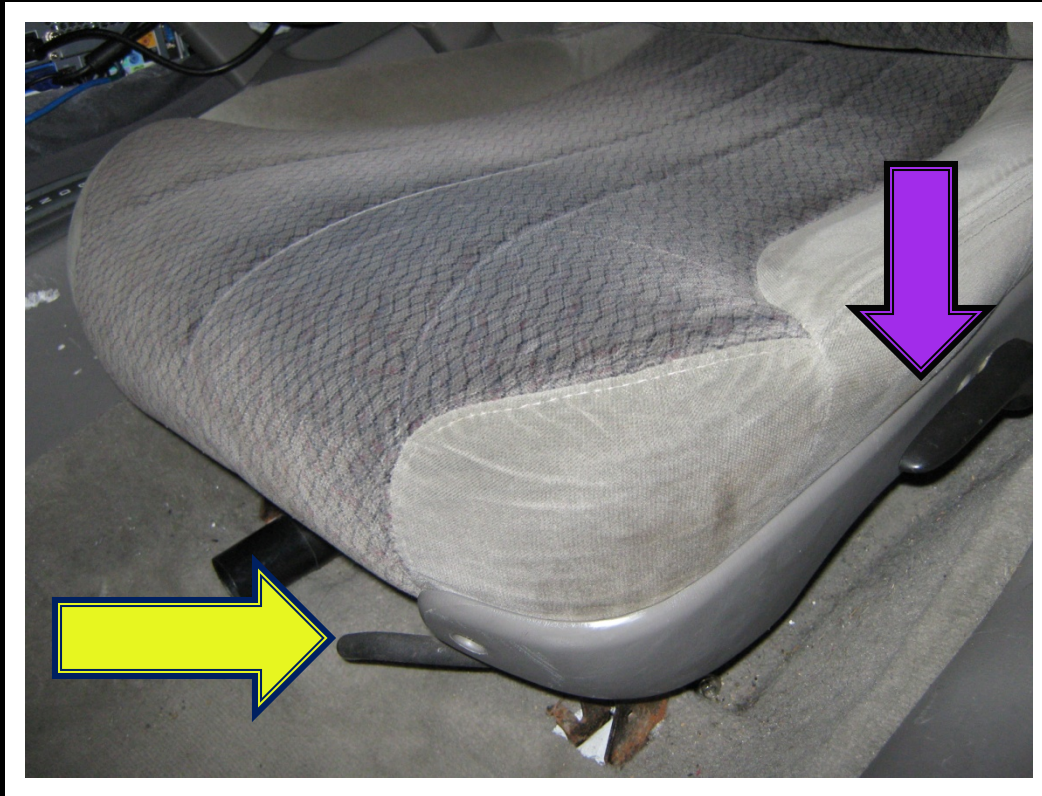
Chevy Malibu



Malibu Interior



Seat Adjustments



Steering Wheel Adjustments

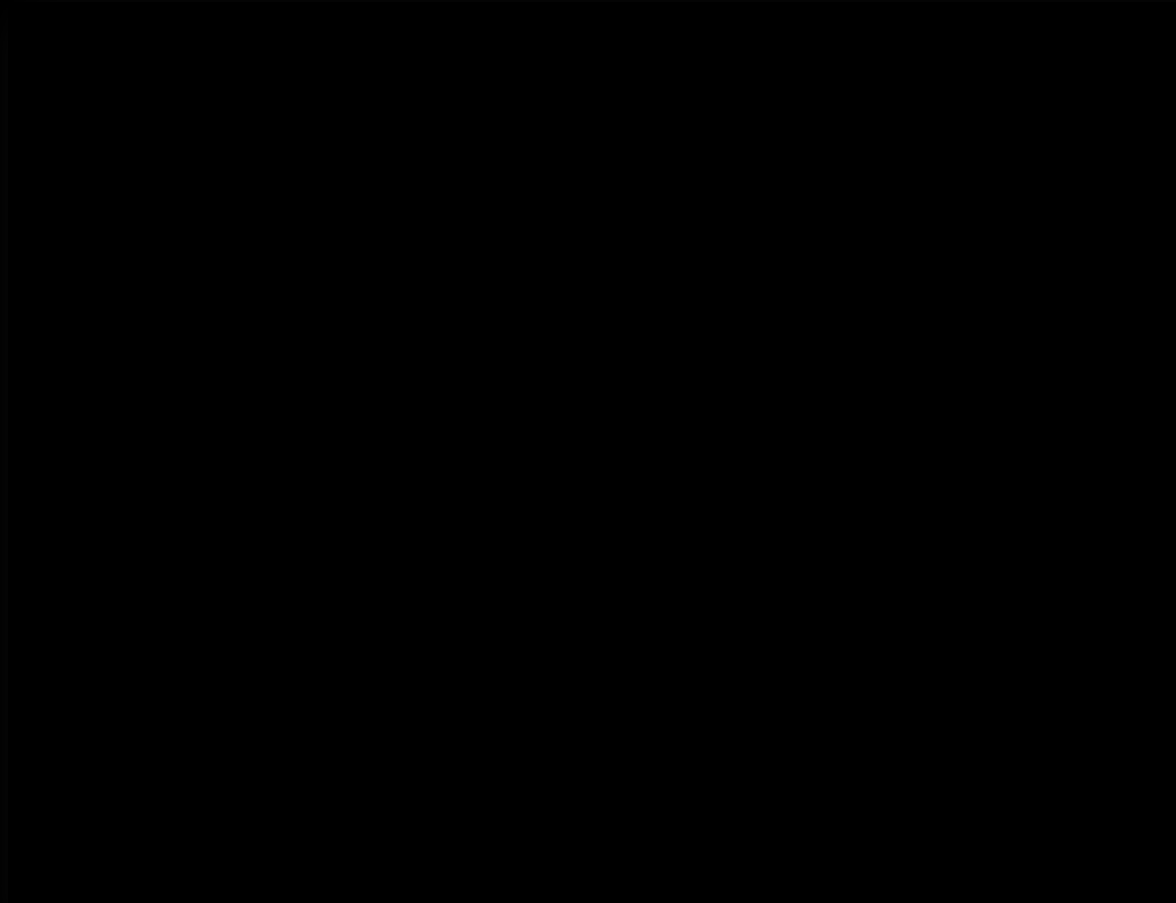


Fasten Seatbelt





Resting Position



A video demonstrating the resting position plays on this slide



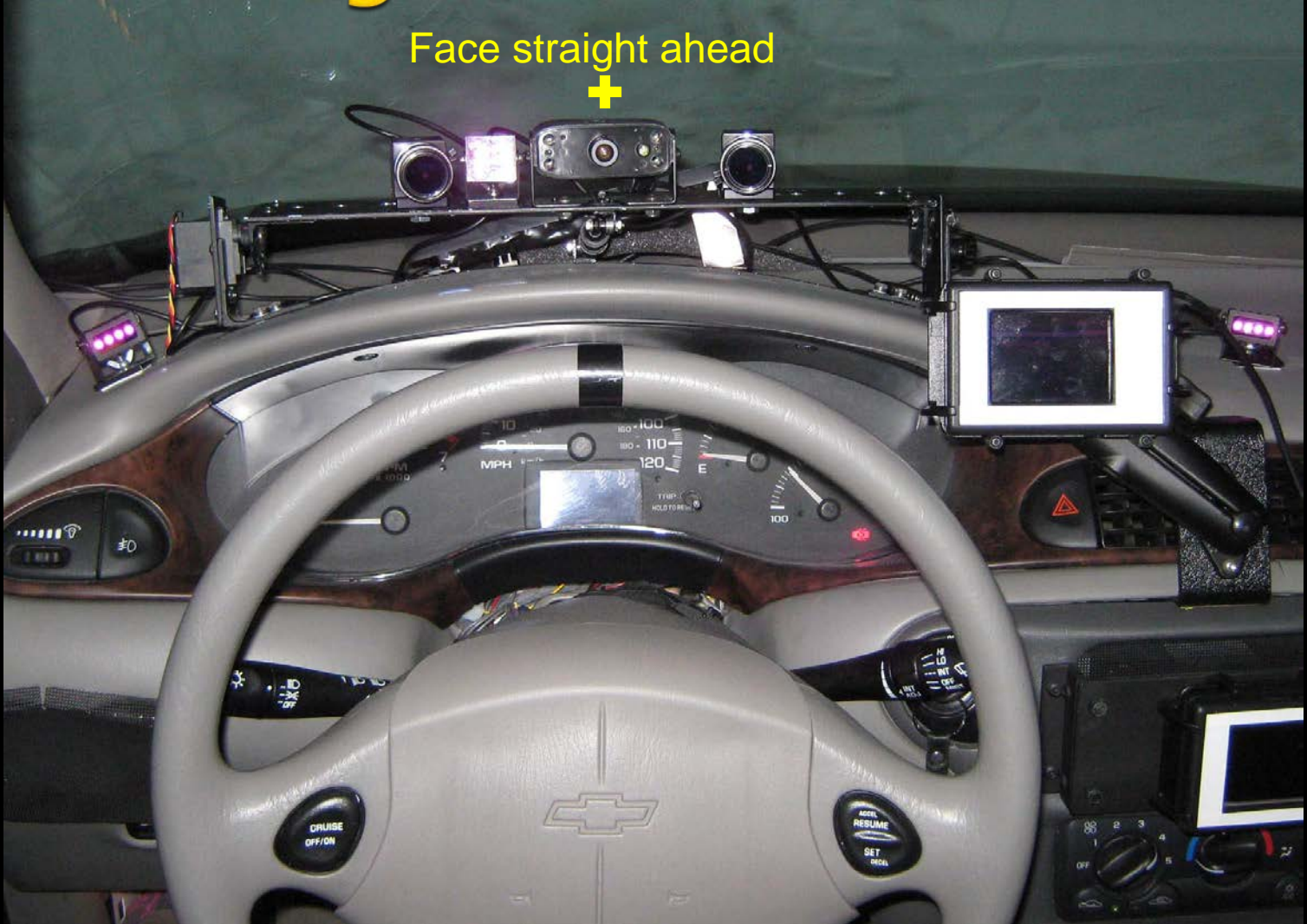
Intercom System

The cab has an intercom system which allows the researchers to hear you. It is already adjusted for the drive today. If for any reason you want to stop driving, please tell us. The operator will hear you and can end the drive in just a few seconds. The driving instructions will be given through the intercom system as well.





Eye Tracking Cameras





Mirrors

You will need to use the side and rear view mirrors for the drives today. The mirrors can be adjusted by using the control panel on the door. Set the side mirrors in much the same way as you would set the mirrors on your car. Wait to adjust the mirrors until after the eye tracking cameras have been calibrated. The control panel should be pressed firmly. If you need assistance, please ask the researcher in the simulator for some help.





Practice Drive

Your drive today will be a practice drive. It is designed to help you get used to the simulator. Please become familiar with driving at the speed limits and recognizing traffic control devices. You will be asked to adjust the CD player while you drive. The CD player is described in a later slide.

The practice drive starts with your vehicle parked along a city street. When it is time to begin, shift into Drive, then enter into traffic when it is safe to do so. Stay on the original road. You will drive to an interstate where you should merge and accelerate to the speed limit. Onboard instructions will guide you to the interstate. A recording will tell you when it is time to stop.





Study Drives

The study drives will take place during your overnight visits.

The study drives are designed such that you will be driving on city streets, an interstate, and country roads. Each drive has a similar route. Speed limits are posted. Navigational instructions will be played as you drive to your destination. The drive is about 45 minutes long. You will be asked to adjust the CD player several times during each drive.

The drive starts in a parking lane in the city's business district. When it is time to begin, shift into Drive, and merge into traffic when it is safe to do so. Onboard instructions will guide you to the interstate. A recording will tell you when it is time to stop.





Study Drives

During the study drives you may experience a warning from a drowsiness mitigation system.

There are two types of warnings. One uses a vibrating seat and another uses a sound and a light on the dashboard.

The warnings you may experience will be demonstrated to you at the beginning of your overnight visits.



Sample Onboard Instruction

During your drive, a navigational instruction will follow a chime.



Click on the icon to hear the chime and an example of a navigational instruction.

Please press the space bar to advance to the next slide.

CD Player



At several points in your drive you will be asked to adjust the CD player. The CD player has three separate controls to operate for this task: the ON button and the up and down selection buttons. Press the ON button for power, press the up or down selection button to select a track, then press the OFF button. The researcher will show you these buttons when you get in the simulator.





Conclusion

This concludes the orientation training. We are glad to answer any questions you may have at this time.

