GUIDE OVERVIEW

HARDWARE OVERVIEW

QUICK START SECTION

550JLTVplus™ Simulator

DORON PRECISION SYSTEMS, INC.

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Quick Start

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This section is meant to give the basics that you and your students need. See Table 3 to find out the questions it will answer.

Table 3: Questions Answered by Subsection

Subsection	Questions Answered
Tour: 550JLTVplus™ Simulation System	What's included in the 550JLTV™ Simulation System and what does it do?
System Start-up Procedure	How do I start up the system so it's ready for the class?
Control Driving Simulation	How do I build lessons for class, control lessons, and show students how they've done once they have completed driving?

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ROAD TO MASTERY SECTION

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The Road to Mastery

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This section is meant to help students understand the JLTV's controls more thoroughly so they can drive it in more demanding situations. See Table 8 to find out the questions it will answer.

Table 8: Questions Answered by Subsection

Subsection	Questions Answered
Mastering the Controls	How can I use each control correctly? What do each of the indicators mean? Are any actions required when they appear?
Driver Smart Display Unit (DSDU)	What unique capabilities of the JLTV are controlled by this display unit, and how are these used correctly?
Driving in Challenging Conditions	What principles of driving need to be followed when driving in a variety of challenging conditions? Which features of the JLTV need to be used effectively in doing so?

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550JLTVplus™ Simulator

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Navigation: Quick Start > Control Driving Simulation
Controls to Set Up Lessons

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In this section you will learn how to:
- Build a lesson from one or more scenarios that a driver will progress through in sequence during your simulation class.
- Edit a lesson that you previously built by adding, removing, or changing the sequence of scenarios included in the lesson.

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Build a Lesson

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It is good practice for instructors to build lessons for use in class well in advance. Lessons are a logical sequence of driving scenarios that are saved and then loaded when a driver is ready to begin driving in the simulator.

To build a lesson (Figure 35):
1. Click on the **LESSON BUILDER** tab to select it; it will appear as **LESSON BUILDER** .
2. Click the **New Lesson** button.
3. Type a name for the new lesson.
4. Click on the name of a scenario in the Available column.
5. Click the **<< Add** button to add the scenario to the Included column.
6. If necessary, move the added scenario up or down in the order of included scenarios by using the **∧ Move Up** or **Move Down ∨** arrow buttons. Reorder any other included scenarios in the same manner.

Note: standard Windows shortcuts for selecting multiple rows may be used to speed this process, (e.g. Shift + click, Ctrl + click). If you decide that you do not want to include a scenario, after placing it into the Included column, click on that scenario in the included column and click **Remove >>** .
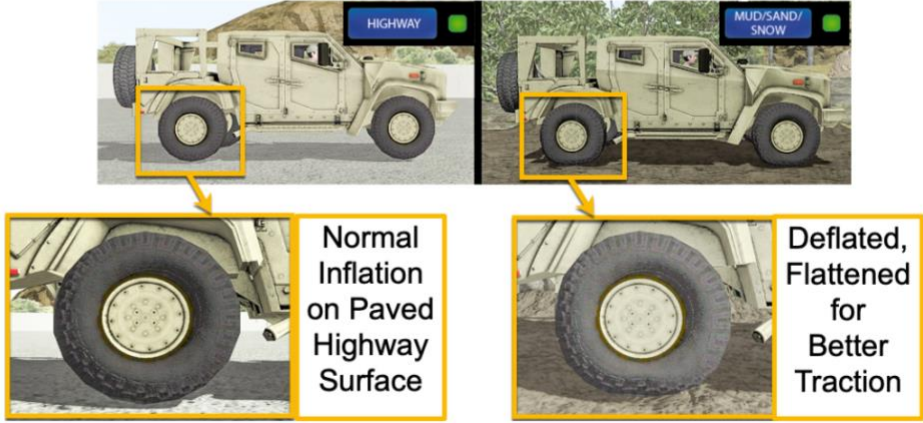
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550JLTVplus™ Simulator

Navigation: The Road to Mastery > Driver Smart Display Unit (DSDU)
CTIS Screen

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Purpose of Central Tire Inflation System (CTIS)

JLTV's Central Tire Inflation System (CTIS) adjusts tire inflation to compensate for changes to traction from terrain and/or vehicle load conditions, as illustrated in Figure 67 below.

HIGHWAY

MUD/SAND/SNOW

Normal Inflation on Paved Highway Surface

Deflated, Flattened for Better Traction

Figure 67: Example of CTIS Adjustment for Terrain