

THE WINTER DRIVER

OUTLINE

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1. INTRODUCTION

- a) Welcome message
- b) Why take a Winter Driver Course.
- c) Course overview

2) NEWS VIDEO - WITH VIDEO OF DRIVER MISTAKES

- a) The true risk to driving

3) SUMMER VS WINTER DRIVING

- a) Summer mistakes are often not noticed
- b) seasoned vs new drivers

4) PREPERATION

- a) Introduction to winter
- b) Driving Scenario # 1
- c) Dressing for Winter Weather
- d) Before you driver preparation
- e) Survival kit.



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5) UNDERSTANDING YOUR CAR

- a) Traction
- b) Tires and the contact patch
- c) Weight transfer
- d) Driving scenario #2
- e) review questions

6) YOUR TIRE RESPONSIBILITY

- a) Tires tread and wear
- b) Tires on wet and snow covered roads
- c) Tire pressure



7) VEHICLE TECHNOLOGY - THE GOOD AND THE BAD.

- a) Introduction
- b) Manual vs Automatic
- c) Automated parking
- d) ABS System
- e) Traction Control Systems
- f) Accident Avoidance Systems

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8) READY TO DRIVE

- a) Checks and Balance
- b) Acclimate to Conditions
- c) Increase safe zone
- d) Black Ice
- e) Cruise Control
- f) I'm Stuck! Now what?

9) BRAKING - NOTHING MORE IMPORTANT

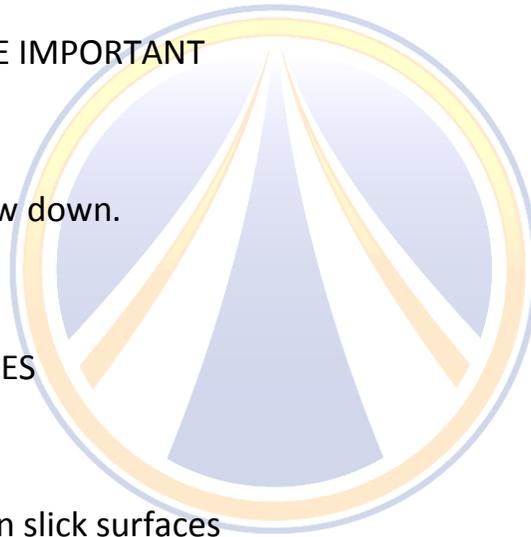
- a) Driving Scenario #3
- b) Other options to slow down.

10) TURNS AND LANE CHANGES

- a) Taking turns safely
- b) Safe lane changes on slick surfaces

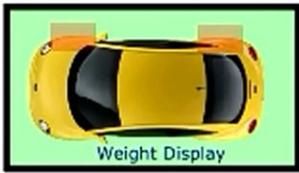
11) LOSS OF CONTROL EXERCISES

- a) Oversteer and Understeer
- b) Finding a safe location



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EXERCISE #1 - UNDERSTEER CIRCLE



Here you are going to drive around a large circle slowly building speed. Once you reach your limit of adhesion the front tires will lose grip causing under steer. Repeat and try to anticipate under steer a few seconds before it happens.

EXERCISE #2 - OVERSTEER CORRECTION



Countersteer

Point your wheels in the direction you want to go.



This is a simple exercise that requires you to get the back end of your car to slid out. Using the emergency brake and a slight turn of the wheel this can be accomplished. Counter steer so you are able to regain control of the car. Practice this over and over again to build confidence.

EXERCISE #3 - CORRECTION THEN STOP



After becoming proficient with exercise #2, you are ready to challenge yourself with a stopping point. The idea is to build your speed, force a loss of control and then correct that loss of control while stopping within a designated space. This will be challenging, but will also help you to identify how much space is needed to correct and then stop. Remember, you cannot brake while sliding. You must wait for your car to straighten out before touching the brake pedal. This increases the total stopping distance.

NOTES:

EXERCISE #4 - CORRECTION THEN TARGET LANE



The most challenging of all lessons, Target lane requires a loss of control correction and then negotiating your vehicle between a space not much larger than your car. This would be an example of a loss of control on highway where your speed does not allow you to stop before a hazard so you are forced to find a safe path around the hazard.

NOTES: