

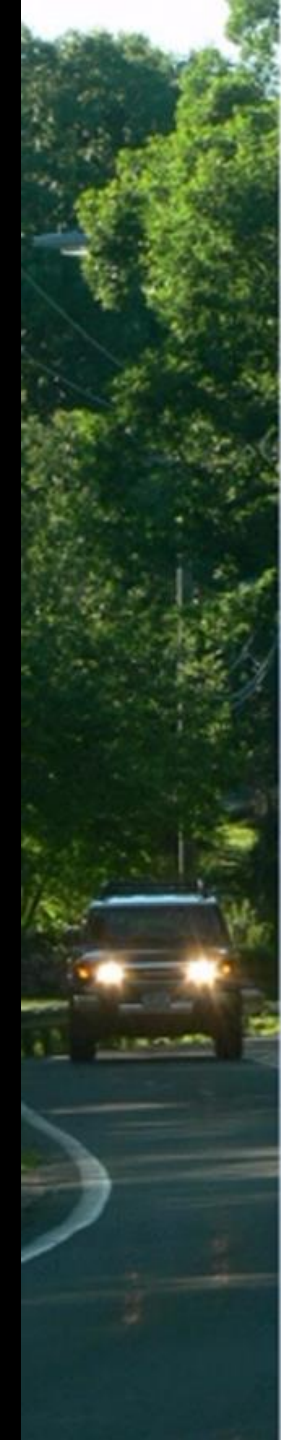
Unit 3

Understanding Vehicle Control: Starting, Steering and Stopping

ADTSEA 3.0 Curriculum

Unit 3 Overview

- Starting the engine and moving the vehicle forward
- Steering
- Moving to curb/side of road and entering the roadway from a curb
- Stopping and securing the vehicle
- Backing the vehicle



Starting the Engine and Moving the Vehicle Forward

A small icon of a computer monitor with a blue screen. The screen displays the text "Video 3.1" in white. The monitor has a silver bezel and a black base.

Video 3.1

- The topics covered in this video include:
 - Starting the engine of the vehicle.
 - Moving the vehicle forward.

View Starting the
Engine & Moving
the Vehicle
Forward

Starting the Engine and Moving the Vehicle Forward



Video Review

1. What are the first two things you should do before starting the engine?
2. How should your foot be placed on the brake?

Starting the Engine



Parking brake/
gear in park



Turn key clockwise
and release key



Turn on
headlights

Moving the Vehicle Forward



Shift to drive "D"



Release brake and press gently on accelerator



Steer as needed



Three Levels of Acceleration

- Engine acceleration
- Light acceleration
- Aggressive acceleration

Steering



Video 3.2

- The topics covered in this video include:
 - Hand position on the steering wheel.
 - Different steering techniques.

View Steering Video

Steering



Video Review

1. What kind of steering should you use for gentle turns?
2. What kind of steering should you use for sharper turns?

Hand Position

- 9 and 3 o'clock
- Lower hand position at 8 and 4 o'clock



Hand to Hand or Push/Pull Steering



Hand position



Push up



Pull down



Push / pull

Hand over Hand Steering



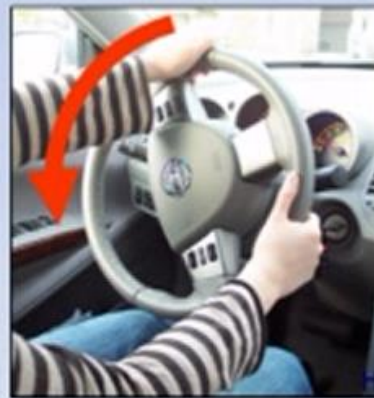
Hand position



Hand over



Hand



Continue

Entering a Roadway from a Curb

Video 3.3

- The topics covered in this video include:
 - How to enter a roadway from a curb.

View Entering a Roadway from a Curb Video

Entering a Roadway from a Curb



Video 3.3

Video Review

1. Why is it important to have a clear lane before entering the roadway?
2. Why can't you see the travel lane to the left of your vehicle very well from inside the vehicle?

Entering a Roadway from a Curb



Signal and check traffic



Identify safe gap in traffic



Release brake, accelerate gently



Steer into intended path

Moving to Curb/Side of Road



Check mirrors



Signal, release accelerator
and press brake pedal



Steer gently toward curb,
use reference points

Stopping and Securing the Vehicle



- The topics covered in this video include:
 - How to bring the vehicle to a smooth, complete stop.
 - How to secure the vehicle after driving.

View Stopping & Securing the Vehicle Video

Stopping and Securing the Vehicle



Video Review

1. What is the key to smooth stopping?
2. What should you do while you are stopped and why?
3. What can the brakes help with if your vehicle is struck from behind?

Three Levels of Braking

- Coasting
- Controlled braking
- Threshold braking



How to Stop the Vehicle



Check traffic in mirrors



Ease off accelerator



Gradually press down on the brake pedal

Securing the Vehicle for Parking



Foot on brake



Set parking brake



Shift to park "P"



Turn off headlights/
accessories



Turn ignition off



Lock doors

Backing



- The topics covered in this video include:
 - How to back in a straight line.
 - How to back while turning.

View Braking Video

Backing



Video 3.5

Video Review

1. Where should you place your hands when backing straight?
2. What should you do while stopped before backing and turning out of a driveway or parking space?

Backing Straight



Check for objects to rear



Foot on brake



Shift to reverse



Steering wheel 12 o'clock, turn body to rear



Move backward at slow speed, look to rear until stopped

Backing and Turning



1
Check for objects
to rear



2
Shift to reverse
and signal



3
Steering wheel
both hands, turn
body to rear



4
Move backward at
slow speed, steer
in direction of turn



5
Check front and
rear, continue
backing, start to
straighten

Unit Review

In this unit, you learned:

- How to start the engine and move the vehicle forward.
- The different techniques of steering a vehicle.
- How to move the vehicle to the curb/side of road and enter the roadway from a curb.
- How to stop and secure the vehicle.
- How to back the vehicle.

