BTW Lesson 3
Basic Control
Introduction to Lesson 3

In this lesson, your student should be aware of the space it takes to operate a vehicle and where the vehicle is in relation to other vehicles and objects. Your student will practice uphill, downhill, angle, and perpendicular parking.

To practice uphill and downhill parking, it is best to find a residential area with low volumes of traffic with different inclines.

Angle and perpendicular parking should be practiced in a parking lot with emphasis on moving into and out of the parking space from both the left-hand and right-hand side of the driveway. Particular emphases should be placed on using reference points for vehicle placement and checking all areas for traffic.

BTW Lesson 3 Checklist

Uphill Parking
Check Intended Path ______
Check Traffic Areas 5 and 6 ______
(right rear and rear)
Signal, Check Area 5 (right rear) ______
Use Reference Points ______
Stop 6-8” From Curb ______
Shift to Neutral ______
Roll Back, Turn Wheels ______
Secure Vehicle ______
Check Traffic Areas 4 and 6 ______
(left rear and rear)
Signal, Check Area 4 (left rear) ______
Move Vehicle Into Lane ______
Steering and Speed Control ______

Downhill Parking
Check Intended Path ______
Check Traffic Areas 5 and 6 ______
(right rear and rear)
Signal, Check Area 5 (right rear) ______
Use Reference Points ______
Stop 6-8” From Curb ______
Shift to Neutral ______
Roll Back, Turn Wheel ______
Secure Vehicle ______
Check Traffic Areas 4 and 6 ______
(left rear and rear)
Signal, Check Area 4 (left rear) ______
Move Vehicle Into Lane ______
Angle Parking Entering
Check Intended Path
Check Traffic Area 6 (rear) __
Signal and Reduce Speed __
Target Path of Travel ______
Use Visual Reference ______
Steering/Speed Control ______
Check Areas 2 and 5 ______
(Left front and right rear) ______
Position Center of Lane ______
Stopping Position ______

Look in Area 6 (rear) Until
Stopped ______________
Shift to D, Proceed ______

Perpendicular Parking Entering
Check Intended Path_____
Check Traffic Area 6 (rear) __
Target Path of Travel ______
Move to Position 4 ______
Signal _________________
Use Visual Reference ______
Steering Control __________
Check Areas 2 and 5 ______
(Left front and right rear)
Speed Control ___________
Center of Lane __________
Stopping Position ______

Perpendicular Parking Leaving
Traffic Check Areas 4-5-6 __
(Left rear, right rear, and rear)
Back Slowly ____________
Recheck Traffic __________
Speed Control __________
Steering Control __________
Visual Reference for Turning
Steering Control __________
Back Into Lane Position 1 __
Look in Area 6 (rear) Until __
Stopped ________________
Shift to D, Proceed ______

Angle Parking Leaving
Traffic Check ____________

Back Slowly ____________
Recheck Traffic __________
Speed Control __________
Steering Control __________
Visual Reference __________
Back to Lane Position 1 ___
Introduction to Lesson 3

In this lesson, your student should be aware of the space it takes to operate a vehicle and where the vehicle is in relation to other vehicles and objects. Your student will practice uphill, downhill, angle, and perpendicular parking.

To practice uphill and downhill parking, it is best to find a residential area with low volumes of traffic with different inclines.

Angle and perpendicular parking should be practiced in a parking lot with emphasis on moving into and out of the parking space from both the left-hand and right-hand side of the driveway. Particular emphases should be placed on using reference points for vehicle placement and checking all areas for traffic.

BTW Lesson 3 Checklist

Uphill Parking
Check Intended Path
Check Traffic Areas 5 and 6 (right rear and rear)
Signal, Check Area 5 (right rear)
Use Reference Points
Stop 6-8” From Curb
Shift to Neutral
Roll Back, Turn Wheel
Secure Vehicle
Check Traffic Areas 4 and 6 (left rear and rear)
Signal, Check Area 4 (left rear)
Move Vehicle Into Lane
Steering and Speed Control

Downhill Parking
Check Intended Path
Check Traffic Areas 5 and 6 (right rear and rear)
Signal, Check Area 5 (right rear)
Use Reference Points
Stop 6-8” From Curb
Shift to Neutral
Roll Back, Turn Wheel
Secure Vehicle
Check Traffic Areas 4 and 6 (left rear and rear)
Signal, Check Area 4 (left rear)
Move Vehicle Into Lane
Steering and Speed Control
Angle Parking Entering
Check Intended Path ______
Check Traffic Area 6 (rear) ___
Signal and Reduce Speed ___
Target Path of Travel ______
Use Visual Reference ______
Steering/Speed Control ______
Check Areas 2 and 5 ______
(left front and right rear) ___
Position Center of Lane ___
Stopping Position ______

Angle Parking Leaving
Traffic Check _____________

Back Slowly _____________
Recheck Traffic ___________
Speed Control ___________
Steering Control __________
Visual Reference __________
Back to Lane Position 1 ___

Look in Area 6 (rear) Until
Stopped __________________
Shift to D, Proceed ________

Perpendicular Parking Entering
Check Intended Path ______
Check Traffic Area 6 (rear) ___
Target Path of Travel ______
Move to Position 4 _________
Signal _________________
Use Visual Reference ______
Steering Control __________
Check Areas 2 and 5 ________
(left front and right rear)
Speed Control ___________
Center of Lane __________
Stopping Position _________

Perpendicular Parking Leaving
Traffic Check Areas 4-5-6 ___
(left rear, right rear, and rear)
Back Slowly _______________
Recheck Traffic ___________
Speed Control ___________
Visual Reference for Turning
Steering Control __________
Back Into Lane Position 1 ___
Look in Area 6 (rear) Until ___
Stopped _________________
Shift to D, Proceed ________

77
Title: Basic Control

Prerequisites:

1. Completed BTW Lesson 2

2. Classroom:
   Module 3 includes managing space, parking, and space areas between vehicles and other hazardous intersections. It also includes reduced-risk parking up and downhill and angle and perpendicular parking.

3. Simulation:
   “Search and Identify and Anticipate Hazards” and/or “Decide and Act, Backing, Turnabouts and Parking.”

Skills to be Practiced:
• Uphill parking.
• Downhill parking.
• Reference points.
• Speed control.
• Angle parking.
• Perpendicular parking.
• Space management.
BTW Lesson 3 Helpful Hints

1. Be sure to check your student’s understanding of the specific tasks that will be practiced.

2. Preread about the different parking maneuvers and discuss where on your drive route they can be practiced.

3. Review the checklist to evaluate performance on specific tasks.

4. Our parking maneuvers are set up to be used with reference points. Go over the reference points needed for the parking maneuvers.

5. Checking the vehicle’s “space” areas is an important step to driving defensively. Continual traffic checks are needed when maneuvering into parking areas.

6. Encourage your student to tell you the procedures involved in these maneuvers. This will help you to determine if she/he is mentally engaged in the driving process.
1. CHECK INTENDED PATH AND TRAFFIC IN THE RIGHT REAR AND REAR AREAS (5 and 6).

2. SIGNAL, CHECK RIGHT REAR AREA (5).

3. MANEUVER TO THE CURB. USE REFERENCE POINTS FOR 3-6". TARGET LANE POSITION 3.

4. STOP AND SHIFT TO NEUTRAL.

5. RELEASE SLIGHT BRAKE PRESSURE AND TURN WHEELS FULL LEFT WITH A CURB AND RIGHT WITHOUT CURB (let vehicle slowly roll until touching curb).

6. SECURE VEHICLE.

7. WHEN LEAVING, CHECK TRAFFIC, SIGNAL CHECK LEFT REAR AREA (4).

8. VISUALLY TARGET AND MOVE INTO TRAFFIC.
Parking Uphill

Objective

When directed and with minimal assistance, the student will follow proper procedures and park uphill at least twice.

Driving Environment

- Low-volume residential area.
- Hills progressing from slight to steep inclines.
- Streets with and without curbs.
- Adequate sight distance.
- Three to four blocks of space for repeated practice.

Common Errors

- Not using reference points properly.
- Forgets to check right rear and left rear areas (4 and 5).
- Improper wheel direction.
- Uses dry steering.
- Speed too fast while backing.
- Fails to shift to neutral.
- Not setting brake before shifting.
- Aiming at curb/poor targeting.
Parking Downhill

1. CHECK INTENDED PATH AND TRAFFIC IN AREAS 5 AND 6 (right rear and rear) AND TARGET LANE POSITION 3.

2. SIGNAL, CHECK RIGHT REAR AREA (5).

3. USE REFERENCE POINTS FOR 3-6".

4. MOVE TO CURB AND STOP.

5. LET VEHICLE CREEP FORWARD WHILE TURNING WHEELS SHARPLY RIGHT UNTIL TIRE TOUCHES CURB/SHOULDER.

6. SET PARKING BRAKE AND SHIFT TO PARK.

7. WHEN LEAVING, SHIFT TO REVERSE, RELEASE PARK BRAKE, CHECK TRAFFIC, EASE BACK AND STRAIGHTEN WHEELS.

8. SHIFT TO DRIVE, SIGNAL AND CHECK LEFT REAR AREA (4).

9. VISUALLY TARGET AND MOVE INTO TRAFFIC.
Parking Downhill

Objective

When directed and with minimal assistance, the student will follow proper procedures and park downhill at least twice.

Driving Environment

- Low-volume residential area.
- Hills progressing from slight to steep declines.
- Streets with and without curbs.
- Adequate sight distance.
- Three to four blocks of space for repeated practice.

Common Errors

- Not using reference points.
- Failure to check left rear and rear areas (4 and 6).
- Too far from curb.
- Speed too fast.
- Allows right front tire to strike the curb.
- Forgets to shift to reverse for backing.
- Dry steering.
- Not looking back while backing.
- Forget to shift back into drive.
- Aiming at curb/poor targeting.
Angle Parking—Entering

1. VISUALLY TARGET INTENDED PATH.

2. CHECK REAR AREA (6) FOR TRAFFIC.

3. SIGNAL, MOVE INTO LANE POSITION 2, AND REDUCE SPEED.

4. USE FRONT LIMITATION REFERENCE POINTS, TURN WHEEL QUICKLY, TARGET CENTER OF PATH (refer to diagram).

5. CONTROL SPEED, CHECKING AREAS FOR CLEARANCE.

6. POSITION IN CENTER OF SPACE.

7. STRAIGHTEN WHEELS.

8. STOP THE VEHICLE BY USING REFERENCE POINTS.

9. SECURE VEHICLE.
Angle Parking—Entering

Objective

When directed and with minimal assistance, the student will demonstrate proper procedures while entering angle parking twice to the right and twice to the left.

Driving Environment

- Any off-street marked parking areas.
- Spaces for parking left and right.
- Angle parking spaces in complex urban traffic areas.

Common Errors

- Failure to signal.
- Not moving to lane position 2.
- Speed too fast.
- Tires strike the curb/bumper over line.
- Not using reference points.
- Not checking left front and right rear areas (2 through 5).
- Poor targeting.
- Not securing vehicle correctly.
Angle Parking—Leaving

1. CHECK TRAFFIC IN LEFT REAR, RIGHT REAR, AND REAR AREAS (4-5-6).
2. SHIFT TO REVERSE, BACK SLOWLY.
3. RECHECK TRAFFIC.
4. USE REFERENCE POINTS TO DETERMINE WHEN TO STEER (bumpers even).
5. BACK INTO LANE POSITION 1.
6. CHECK AREAS AROUND VEHICLE.
7. CONTINUE LOOKING IN REAR AREA (6) UNTIL STOPPED.
8. SHIFT TO DRIVE, MOVE FORWARD.
Angle Parking—Leaving

Objective

When directed and with minimal assistance, the student will demonstrate proper procedures while leaving angle parking twice to the right and twice to the left.

Driving Environment

• Any off-street marked parking areas.
• Spaces for parking left and right.
• Parking spaces in a complex urban traffic areas.

Common Errors

• Not checking left front and right rear areas (2 through 5).
• Not looking in rear area (6) while backing.
• Speed too fast.
• Steering errors.
• Not using reference points.
• Only using mirrors while backing.
1. VISUALLY TARGET PARKING SPACE.
2. CHECK TRAFFIC IN REAR AREA (6).
3. MOVE TO LANE POSITION 2.
4. SIGNAL AND USE VISUAL FRONT LIMITATION REFERENCE POINT FOR ENTERING PARKING SPACE.
5. STEER SHARPLY WHILE PROCEEDING SLOWLY.
6. CHECK AREAS FOR CLEARANCE.
7. STRAIGHTEN WHEEL WHEN CENTERED.
8. VISUALLY TARGET AND USE VISUAL REFERENCE FOR FRONT POSITION.
9. SECURE VEHICLE.
Perpendicular Parking—Entering

Objective

When directed and with minimal assistance, the student will demonstrate at least two times proper procedures while approaching and entering perpendicular parking spaces from the right and left side.

Driving Environment

• Off-street areas where perpendicular parking spaces are available and marked.
• Space for parking right and left.

Common Errors

• Failure to signal upon approach.
• Not moving to lane position 2.
• Speed too fast.
• Not steering quickly enough.
• Not using reference points for entering or leaving.
• Not checking areas to front or rear.
• Not targeting.
• Not securing vehicle correctly.
1. TRAFFIC CHECK IN LEFT REAR, RIGHT REAR, AND REAR AREAS (4-5-6).

2. SHIFT TO REVERSE, BACK SLOWLY.

3. RECHECK TRAFFIC.

4. USE VISUAL REFERENCE FOR TURNING (bumpers even).

5. BACK INTO LANE POSITION 1 WHILE CHECKING AREAS.

6. CHECK REAR AREA (6) UNTIL STOPPED.

7. SHIFT TO DRIVE, MOVE FORWARD.
Perpendicular Parking—Leaving

Objective

When directed and with minimal assistance, the student will demonstrate proper procedures at least twice while leaving perpendicular parking spaces both to the right and left.

Driving Environment

• Off-street areas where perpendicular parking spaces are available and marked.
• Spaces for parking left and right.

Common Errors

• Not steering sharply enough.
• Not checking front and rear areas.
• Failure to use reference points for space management.
• Not checking areas for traffic and other vehicles.
• Speed too fast.
• Not looking behind while backing or until stopped.