

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 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 _____

Speed Control Neutral _____

Turn Wheels Right _____

Stopped Position _____

Secure Vehicle _____

Shift to Reverse _____

Back Vehicle _____

Check Traffic Areas

4 and 6 _____

(left rear and rear)

Shift to Drive _____

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 _____

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 _____

Introduction to Lesson 3

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BTW Lesson 3 Checklist

| | |
|--|---|
| Uphill Parking | Downhill Parking |
| Check Intended Path _____ | Check Intended Path _____ |
| Check Traffic Areas 5 and 6 _ (right rear and rear) | Check Traffic Areas 5 and 6 _____ (right rear and rear) |
| Signal, Check Area 5 (right rear) _____ | Signal, Check Area 5 _____ (right rear) |
| Use Reference Points _____ | Use Reference Points _____ |
| Stop 6-8" From Curb _____ | Stop 6-8" From Curb _____ |
| Shift to Neutral _____ | Speed Control Neutral _____ |
| Roll Back, Turn Wheel _____ | Turn Wheels Right _____ |
| Secure Vehicle _____ | Stopped Position _____ |
| Check Traffic Areas 4 and 6 _ (left rear and rear) | Secure Vehicle _____ |
| Signal, Check Area 4 (left rear) | Shift to Reverse _____ |
| Move Vehicle Into Lane _____ | Back Vehicle _____ |
| Steering and Speed Control | Check Traffic Areas 4 and 6 _____ (left rear and rear) |
| | Shift to Drive _____ |
| | 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 _____

BTW Lesson 3

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.”

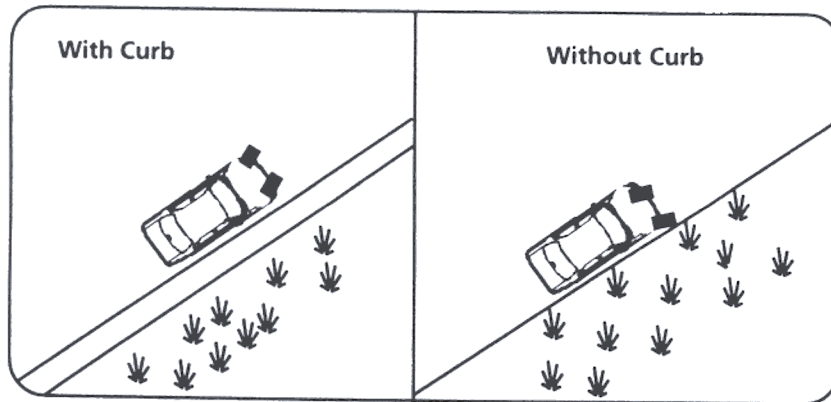
Skills to be Practiced:

- 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.

Parking Uphill



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.

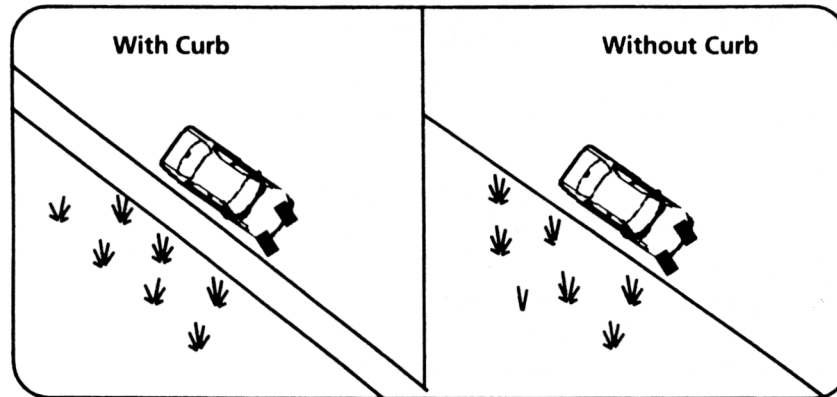
Driving Environment

- 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.

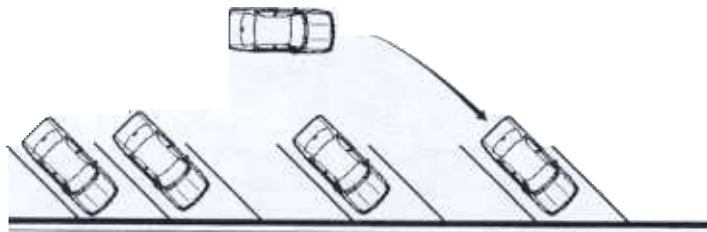
Driving Environment

- 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.

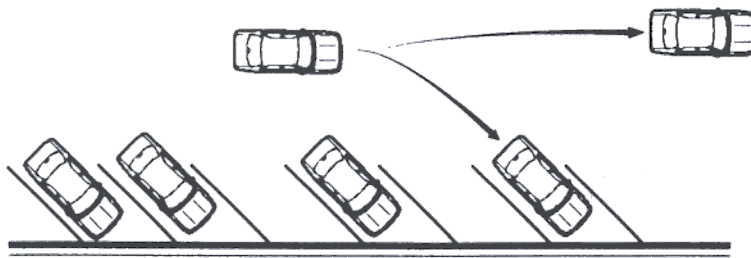
Driving Environment

- 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.

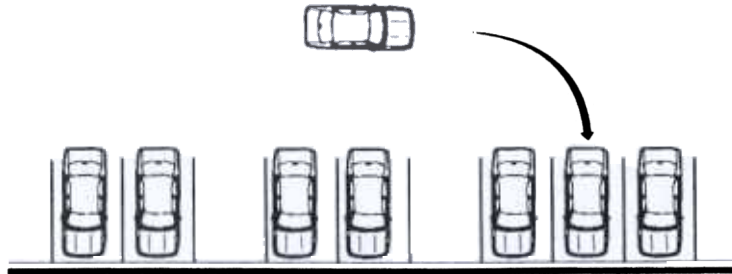
Driving Environment

- 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.

Perpendicular Parking—Entering



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.

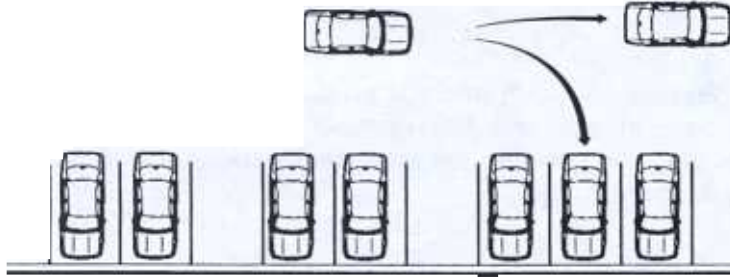
Driving Environment

- 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.

Perpendicular Parking—Leaving



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.

