

Oregon ATV Safety Youth Rider Endorsement Program

Driver Guide

Class IV ATV: Side-by-Side

OREGON ATV SAFETY Youth Rider Endorsement Program



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OREGON ATV SAFETY

Youth Rider Endorsement Program



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Part

I

Preparation & Orientation



Section 1: Preliminary Preparation

Parent/Guardian Information

The Oregon ATV Safety Youth Rider Endorsement Program (OASYREP) is a hands-on Side-by-Side (S x S) driver training program limited to drivers that meet S x S manufacturers' age requirements. Refer to the owner's manual if the factory warning is missing. The OASYREP does not evaluate youth under 6 years of age. There are things you need to know and things you can do to assure that your child has a safe, fun, and successful experience in the OASYREP class. The following are required for a child to participate in the OASYREP class:

1. An OPRD ATV Safety Education Card available at <http://www.rideatvoregon.org/>. The ATV Safety Education Card or documentation of completion must be presented to the Instructor at the start of the class.
2. Appropriately sized S x S that is in good running condition. An S x S safety check will be conducted. S x Ss not passing the safety check will not be permitted.
 - Assure the engine starts and runs smoothly.
 - Assure that all S x S controls are functional:
 - Gas pedal snaps back.
 - Ignition key operates properly.
 - Brakes function smoothly and are adjusted per manufacturer's specifications.

- Tires must have good tread and must be properly and uniformly inflated.
3. The following protective gear must be worn by your child:
- DOT-approved helmet with fastening chin strap
 - Goggles or face shield
 - Full-finger gloves
 - Long pants
 - Long-sleeved shirt or jacket
 - Over-the-ankle boots
4. Attendance requirements:
- You must arrive on time. Classes will start on time. If your child is late, you will lose your place in the class and your non-refundable registration fee.
 - Your child must complete and pass all exercises.
 - If your child does not meet the minimum standards, he/she will be dismissed from the class. Your child will not receive an endorsement.
5. Parent supervision: You must accompany your child and observe the entire class.
6. Read the entire OASYREP Driver Guide with your child. For safety reasons, you will not be permitted to coach your child during the class. Your child is expected to learn and demonstrate the necessary mental and physical driving skills without assistance. Please enjoy your child's success by remaining off the class range.
7. A signed Release of Liability is required to participate in the class.
8. The driver must meet driver fit and manufacturer's age restrictions.

The OASYREP Instructor is eager to help your child succeed. Your attention to these details is greatly appreciated.

Questions regarding the Oregon ATV Safety Youth Rider Endorsement Program can be directed to Dr. David White at david.white@oregonstate.edu or you can call 541-548-6088.

Goal of the Oregon ATV Safety Youth Rider Endorsement Program

The OASYREP class is designed to provide youth with the opportunity to receive the hands-on endorsement necessary to ride S x Ss on Oregon public lands.

Objective of the Oregon ATV Safety Youth Rider Endorsement Program

Youth will learn and demonstrate the mental and physical skills necessary to meet the minimum hands-on standards to operate S x Ss on Oregon public lands.

Instructor Role

In an OASYREP class, the Instructor will explain endorsement requirements, what mental and physical driving skills will be learned, and demonstrate the minimum driver standards being taught. The Instructor will then evaluate youth mental and physical S x S driving skills.

Endorsed ATV Safety Education Cards

Youth successfully passing the class will receive a temporary ATV Safety Education Card. The Oregon Parks and Recreation Department will issue youth a new ATV Safety Education Card with the S x S endorsement approximately 30 days after completing the class.

Endorsement is Not Guaranteed

Enrolling in an OASYREP class does not guarantee youth participation will lead to a hands-on endorsement. A satisfactory rating must be achieved in each exercise to obtain an endorsement.

Section 2: How the Class is Conducted

1. The Instructor will validate a driver's participation in class through confirmation of the following:
 - Oregon All-Terrain Vehicle Safety Education Course completion.
 - Personal protective equipment.
 - Driver fit.
 - S x S operating condition.
 - S x S controls and components.
 - Starting and turning off the engine. Review of safe, smart, and ethical S x S driving.
 - Range rules and hand signals.
2. The Instructor will verify your physical driving skills through evaluation of your ability to:
 - Start and stop a S x S.
 - Quickly stop a S x S in a straight line.
 - Turn a S x S.
 - Quickly stop a S x S in turns.
 - Weave.
 - Perform evasive maneuvers.
 - Traverse obstacles.
3. Your mental and physical driving skills will be evaluated using an OASYREP satisfactory/non-satisfactory scoring system.



Part

II

Exercises



Section 1: Equipment Evaluation

Objectives

1. You will learn what personal protective equipment must be worn to participate in an OASYREP class.
2. You will learn what Oregon driver fit standards must be met.
3. You will learn about S x S operating condition.
4. You will learn about S x S controls and components.
5. You will learn how to start and turn off the engine.

Exercise 1.1: Personal Protective Equipment

Appropriate personal protective equipment is required (see Figures 1 and 2).

Head

Your helmet must be DOT approved and should fit snugly but not so tight that it causes headaches or creates sore spots. The chin strap must be securely fastened.

Eyes

You must wear a face shield or goggles that are impact and penetration resistant.

Hands

You must wear full-finger gloves.

Feet and Ankles

You must wear boots that cover the ankles. Boots with rubber soles and low heels are best.

Body

If you do not have off-road driving gear, then heavy denim pants, long-sleeved shirt and/or jacket will meet the minimum standards.

HOW YOU WILL BE EVALUATED

Your Instructor will verify that you have all the required personal protective equipment. You must receive a satisfactory rating in this exercise to advance to 1.2

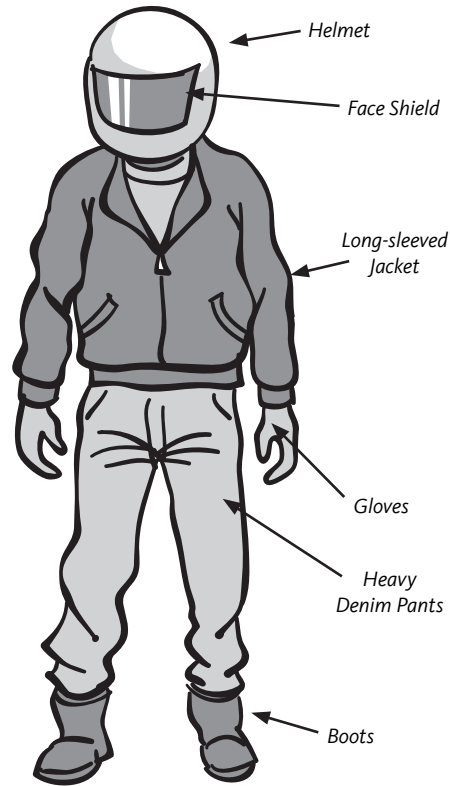


Figure 1
Minimum Gear Required

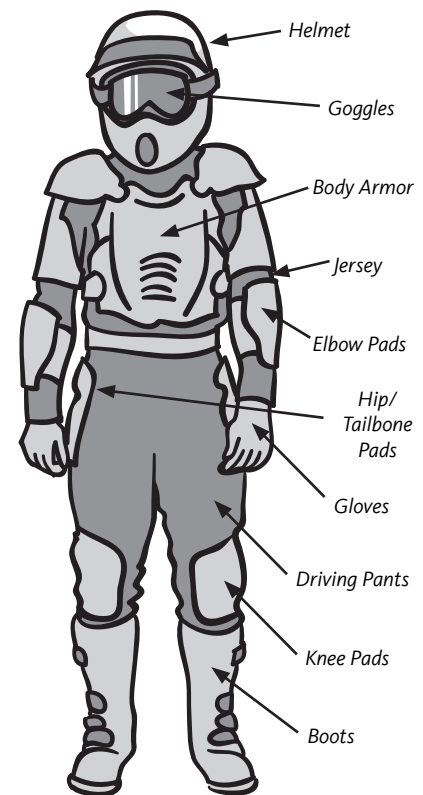


Figure 2
Full Protective Gear

Exercise 1.2: Driver Fit

Your S x S is properly fitted to your size if the following standards are met.

Leg Length

While sitting in the normal operating position with the safety restraints securely fastened around the operator, the operator's feet must be able to fully operate all foot controls.

Arm Length

While sitting in the normal operating position with the safety restraints securely fastened around the operator, the operator's hands must be able to fully operate all hand controls.

Age Limits

The driver must meet the manufacturer's age restrictions.

Disabled Drivers

Disabled operators are allowed to use prosthetic devices or modified or adaptive equipment to achieve driver fit.

HOW YOU WILL BE EVALUATED

Your Instructor will verify that you fit your S x S based on the standards listed above. You must receive a satisfactory rating in this exercise to advance to 1.3.

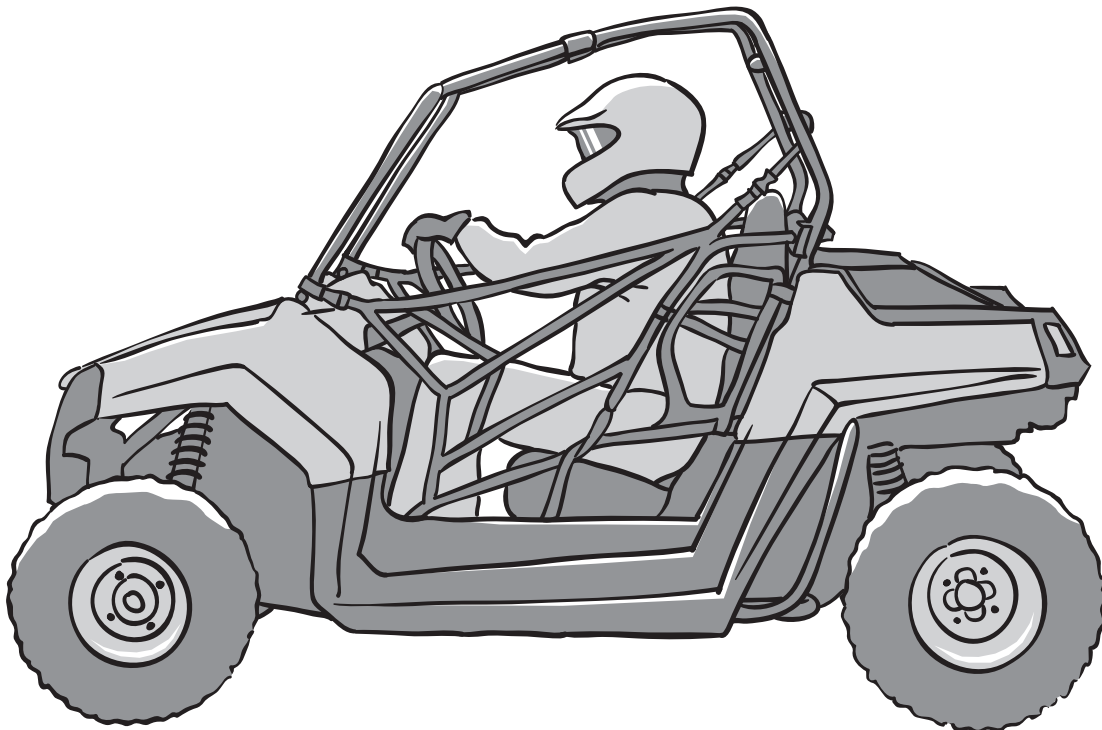
Exercise 1.3: S x S Operating Condition

Your S x S is in good and safe operating condition if it meets the requirements listed below. Before attending your OASYREP class, check your S x S operator's manual for specifications. Check to see that your S x S:

- Does have good tires that are properly and uniformly inflated.
- Does have operable controls.
- Does have functional brake pedal.
- Does have a working ignition switch.
- Does have a working gas pedal that snaps back.
- Does have a working parking brake (if equipped).
- Does have a working gear selector.
- Does have a properly running engine (does not continually stall or need to be continually started).

HOW YOU WILL BE EVALUATED

Your Instructor will inspect and verify that your S x S is in good and safe operating condition. You must receive a satisfactory rating in this exercise to advance to 1.4.



Exercise 1.4: Applicable Controls and Components

Practice pointing out and naming the following controls and components. Consult your owner's manual for location.

- Steering wheel
- Brake Pedal
- Parking brake (if equipped)
- Gas Pedal
- Ignition switch
- Working gear shift
- Seat belts

HOW YOU WILL BE EVALUATED

Your Instructor will ask you to point out and name the controls and components of your S x S. You must receive a satisfactory rating in this exercise to advance to 1.5.

Exercise 1.5: Starting and Turning Off the Engine

Before you can safely start and turn off the engine, certain steps are necessary. You should practice the following to start the engine.

- Set the parking brake
- Place the S x S in neutral or park
- Place your foot on the brake pedal
- Turn the key over

You should practice the following to turn the engine off.

- Place your foot on the brake pedal
- Set the parking brake
- Place the S x S in park
- Turn the key off

HOW YOU WILL BE EVALUATED

Your Instructor will verify that you can follow the steps listed above to start and turn off the engine. You must receive a satisfactory rating in this exercise to advance to 2.1.



SECTION 2

Mental Driving Exercises

Objectives

You will learn to identify some of the attitudes, decisions, and perceptions affecting safe, smart, and ethical S x S driving.

Exercise 2.1: Driving Safe

HOW YOU WILL BE EVALUATED

Your Instructor will ask you a series of questions to verify your understanding of driving safe.

- A. All youth younger than age 16, driving in a side-by-side, must use belts if the vehicle is equipped with them. True or False?
- B. It is not important for side-by-side operators to be able to reach hand and foot controls while buckled? True or False?
- C. When you see a horse on the trail what should you do?
- D. The solid rear axle on many side-by-sides and their low pressure tires make cornering on surfaces like asphalt, pavement, or hard packed gravel roads safe and easy. True or False?

Exercise 2.2: Driving Smart

HOW YOU WILL BE EVALUATED

Your Instructor will ask you a series of questions to verify your understanding of driving smart.

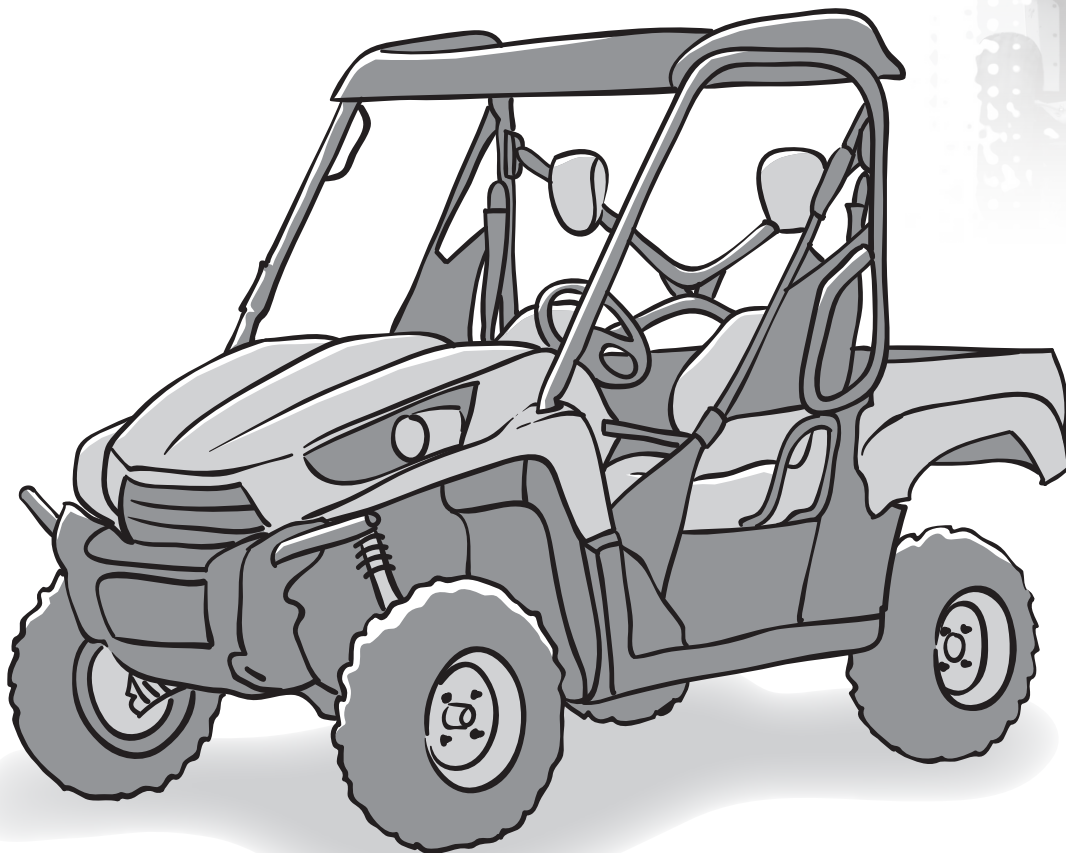
- A. You should never carry more passengers than the vehicle is designed to carry. True or False?
- B. It is okay to allow a passenger too small to sit in the passenger seat while operating the vehicle. True or False?
- C. You need a permit on your side-by-side. True or False?
- D. It is okay to ride your side-by-side without supervision. True or False?
- E. Name six things that a side-by-side operator needs to wear.
- F. Driving gear is necessary because it...?

Exercise 2.3: Driving Ethically

HOW YOU WILL BE EVALUATED

Your Instructor will ask you a series of questions to verify your understanding of driving ethically.

- A. Side-by-side operators are required to carry a fire extinguisher. True or False?
- B. It is not wise to take your side-by-side on trails that are designed for off-road motorcycles or quads. True or False?
- C. Why is it bad to go off trail?
- D. What is the problem with driving your side-by-side in streams?



SECTION 3

Pre-Driving Exercises

Exercise 3.1: Review of Range Rules

To ensure your safety and that of your classmates, the following rules will be used, without exception:

1. Do not mount or ride your S x S without your Instructor's permission.
2. Demonstrate only what is being taught.
3. Wear all your personal protective equipment when sitting in your S x S.
4. Cover your brake pedal when you are not moving.
5. Keep your foot off the gas pedal until you are ready to move forward.
6. Always check all around your S x S before moving.
7. Maintain a safe distance between you and the driver ahead of you.
8. Do not pass other drivers on or off the course.
9. If you have a problem, move off course and signal your Instructor.
10. You can always ask your Instructor for clarification.
11. If you think you are unable to perform a task safely, notify your Instructor.

HOW YOU WILL BE EVALUATED

Your Instructor will read these range rules to you. Your Instructor will ask that you agree to follow all the rules as described. You must receive a satisfactory rating in the exercise to advance to 3.2.

Exercise 3.2: Range Hand Signals

Certain hand signals will be used by your Instructor while you are on the range (see Figure 8). Your Instructor will go over hand signals

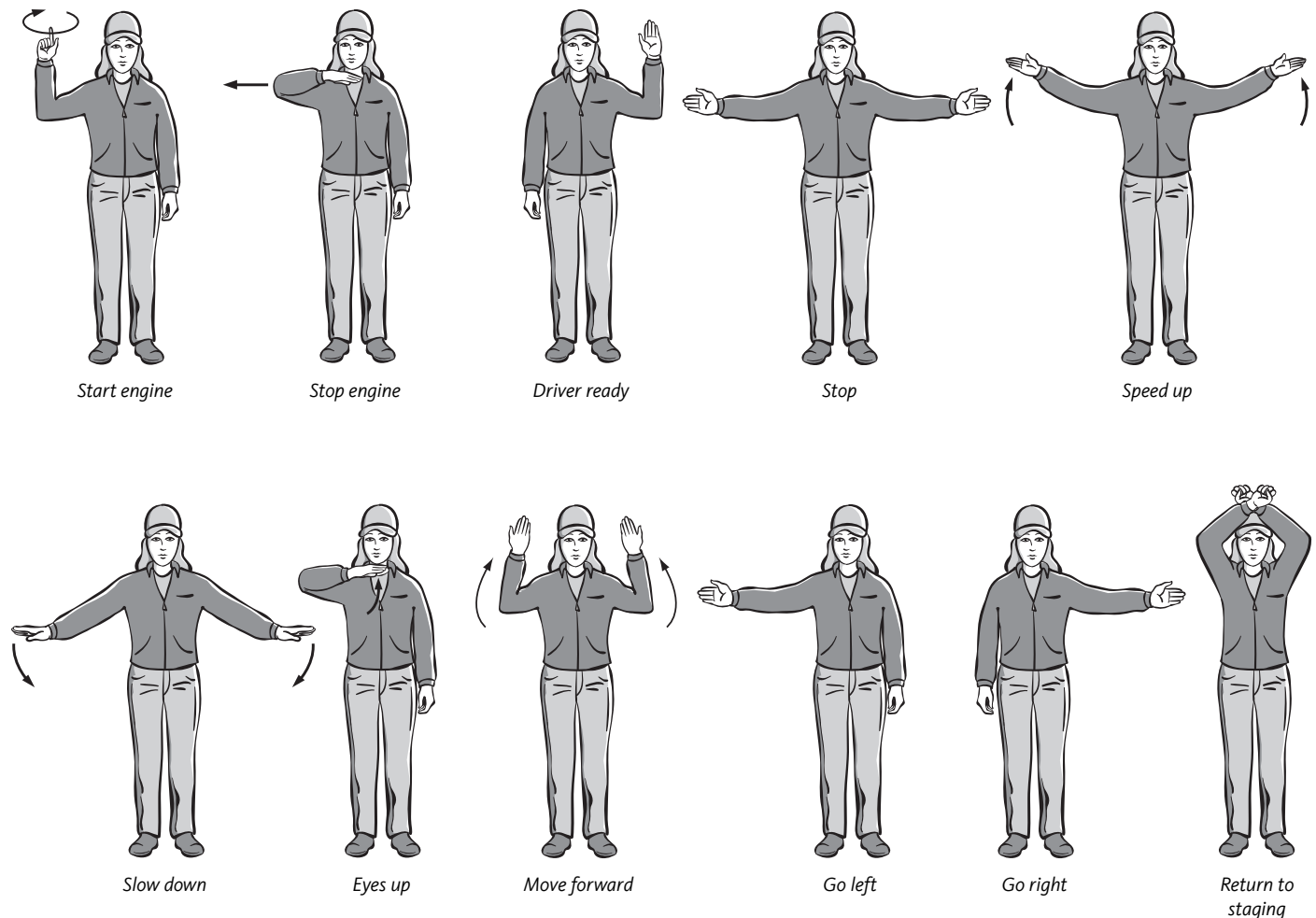
that will be used during your time on the range. The hand signals used will let you know when to:

- Start engine
- Stop engine
- Driver ready
- Stop
- Speed up
- Slow down
- Eyes up
- Move forward
- Go left
- Go right
- Return to staging

HOW YOU WILL BE EVALUATED

Your Instructor will demonstrate the hand signals that are described and illustrated in this exercise. You will be asked to identify the hand signals being demonstrated. You must receive a satisfactory rating in the exercise to advance to 4.1.

Figure 8
Range Hand Signals



SECTION 4: Physical Driving Exercises

Exercise 4.1: Starting and Stopping

Objective

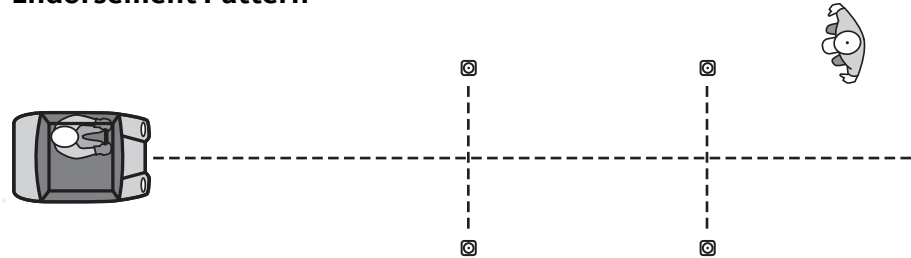
You will demonstrate control of your S x S while getting underway and coming to a controlled stop.

HOW YOU WILL BE EVALUATED

Your Instructor will demonstrate the starting and stopping driving skill being taught. You will be asked to demonstrate this driving skill. You must receive a satisfactory rating in this exercise to advance to 4.2.

1. When signaled, move forward and maintain a steady speed.
2. When signaled, come to a safe, controlled stop.
3. Uses brakes.
4. When signaled, return to the staging area.

Endorsement Pattern



Stop at designated points with minimal skidding as signaled.

Exercise 4.2: Quick Stops in a Straight Line

Objective

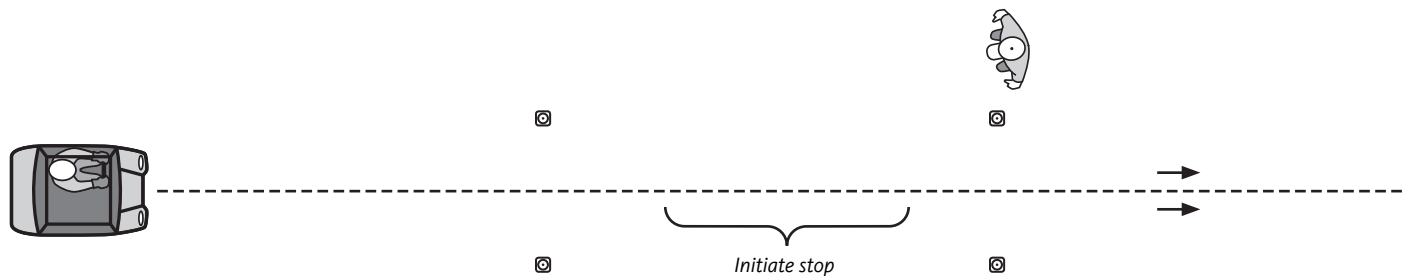
You will demonstrate control of your S x S while making a quick stop in a straight line.

HOW YOU WILL BE EVALUATED

Your Instructor will demonstrate the stopping quickly in a straight line driving skill being taught. You will be asked to demonstrate this driving skill. You must receive a satisfactory rating in this exercise to advance to 4.5.

1. When signaled, move forward and maintain a steady speed.
2. When signaled, stop as quickly as possible without skidding.
3. When signaled, return to the staging area.

Endorsement Pattern



Make a quick stop with minimal skidding when signaled.

Exercise 4.2: Turning

Objective

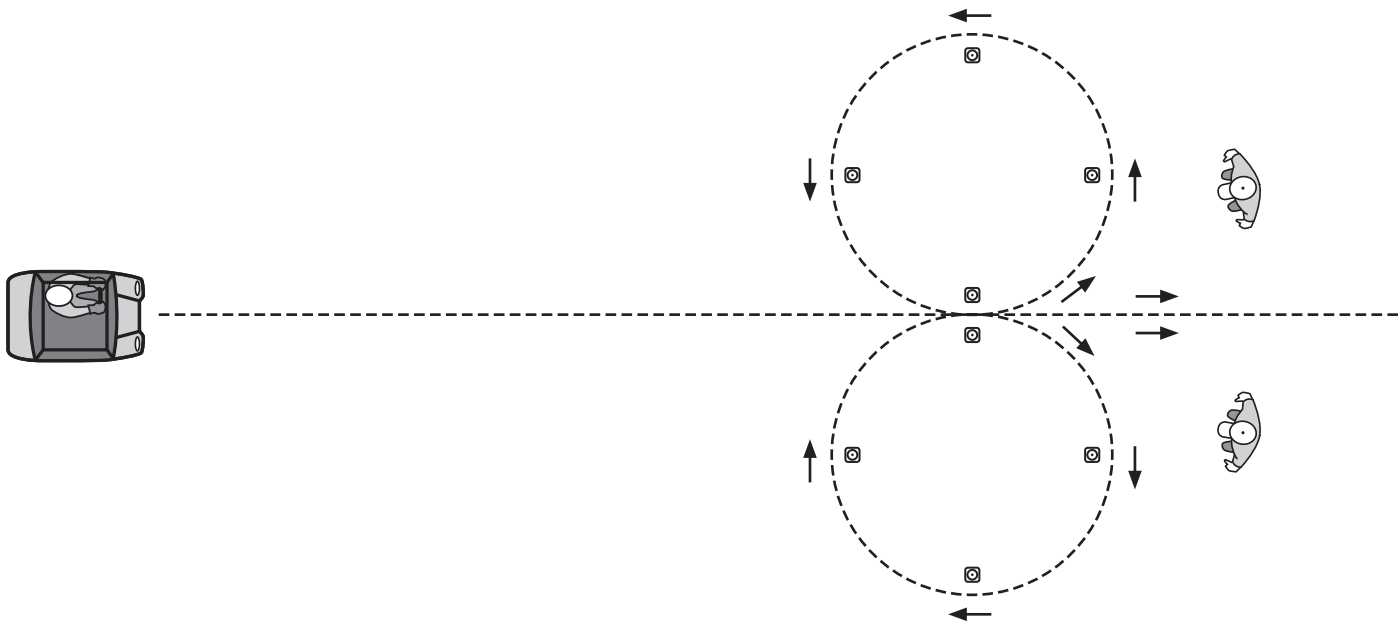
You will demonstrate control of your S x S while completing turns to the right and left in a circle 30 feet in diameter.

HOW YOU WILL BE EVALUATED

Your Instructor will demonstrate the turning driving skill being taught. You will be asked to demonstrate this driving skill. You must receive a satisfactory rating in this exercise to advance to 4.3.

1. When signaled, move forward and maintain a steady speed.
2. When signaled, enter a left-hand or right-hand turn.
3. When signaled, exit turn.
4. When signaled, return to the staging area.

Endorsement Pattern



Enter into right or left hand turn as signaled.

Exercise 4.4: Quick Stops in Turns

Objective

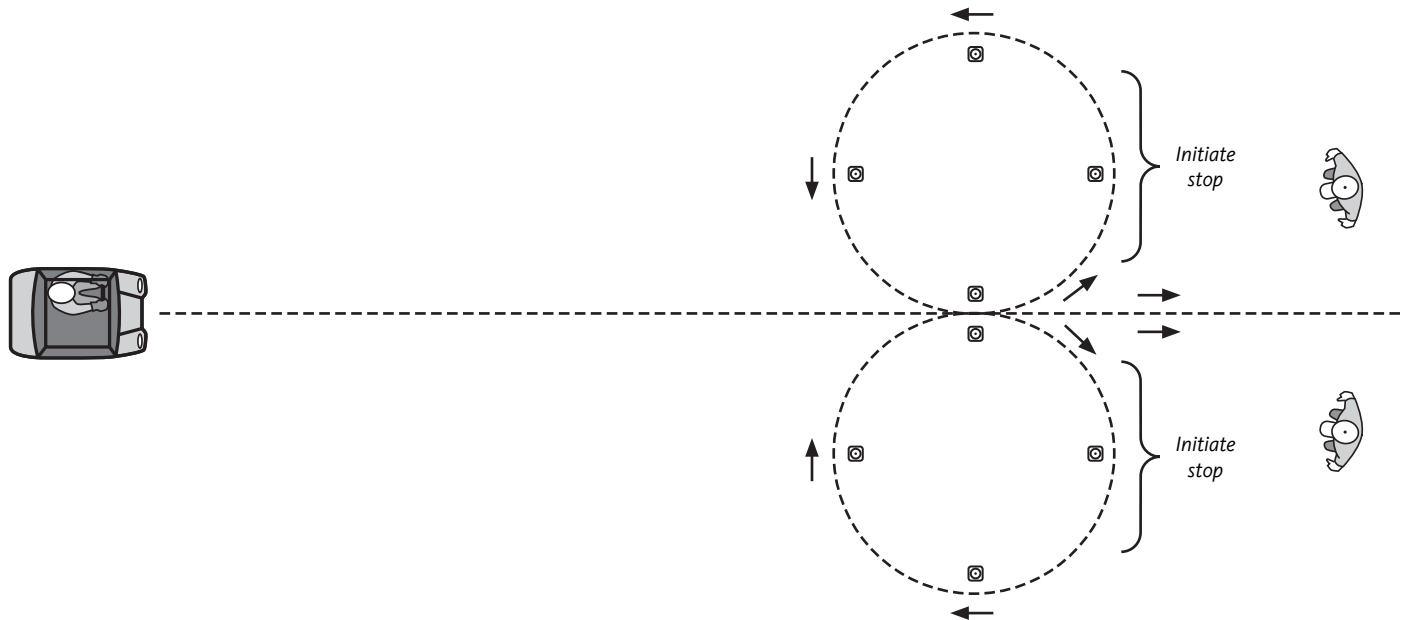
You will demonstrate control of your S x S while making a quick stop in a turn.

HOW YOU WILL BE EVALUATED

Your Instructor will demonstrate the stopping quickly in a turn driving skill being taught. You will be asked to demonstrate this driving skill. You must receive a satisfactory rating in this exercise to advance to 4.6.

1. When signaled, move forward and maintain a steady speed.
2. When signaled, enter a right or left turn and stop as quickly as possible without skidding.
3. When signaled, return to the staging area.

Endorsement Pattern



Make a quick stop in a right-hand or left-hand turn when signaled.

Exercise 4.5: Weaving

Objective

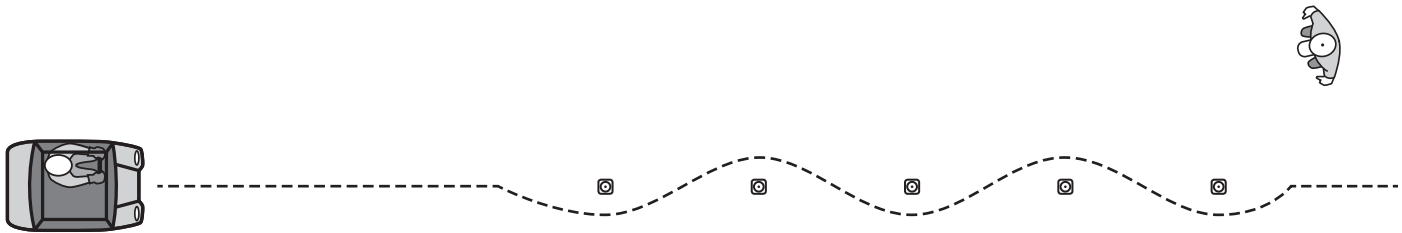
You will demonstrate control of your S x S while weaving between cones.

HOW YOU WILL BE EVALUATED

Your Instructor will demonstrate the weaving driving skill being taught. You will be asked to demonstrate this driving skill. You must receive a satisfactory rating in this exercise to advance to 4.4.

1. When signaled, move forward and maintain a steady speed.
2. When signaled, enter the pattern from the right side of the first cone.
3. Continue to weave around the five cones.
4. When signaled, return to the staging area.

Endorsement Pattern



Enter and exit the weaving pattern as signaled.

Exercise 4.6: Evasive Moves

Objective

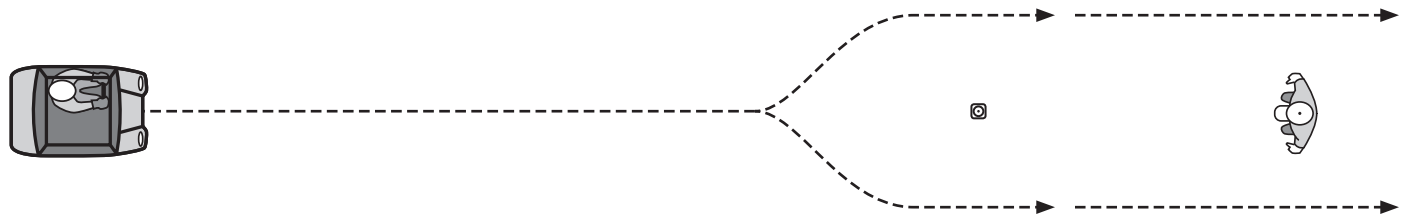
You will demonstrate control of your S x S while veering around an obstacle.

HOW YOU WILL BE EVALUATED

Your Instructor will demonstrate the evasive moves driving skill being taught. You will be asked to demonstrate this driving skill. You must receive a satisfactory rating in this exercise to advance to 4.7.

1. When signaled, move forward and maintain a steady speed.
2. When signaled, veer right or left to avoid the obstacle. Try not to anticipate the signal.
3. When signaled, return to the staging area.

Endorsement Pattern



When signaled, evade the obstacle and maintain a straight path.

Exercise 4.7: Obstacles - Single-Track and Dual-Track

Objective

You will demonstrate control of your S x S while traveling over single-track and dual-track obstacles.

HOW YOU WILL BE EVALUATED

Your Instructor will demonstrate the single-track and dual-track obstacle driving skill being taught. You will be asked to demonstrate this driving skill. You must receive a satisfactory rating in this exercise to receive an endorsement.

1. When signaled, move forward and maintain a steady speed.
2. When signaled, cross the two single-track obstacles.
3. Continue to the next set of obstacles.
4. Cross the two dual-track obstacles and return to the staging area.

Endorsement Pattern



When signaled, cross the first obstacle on the single track then proceed to cross the dual track.



Part **III** **Appendix**

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ACKNOWLEDGMENTS

The Oregon ATV Safety Youth Rider Endorsement Program is the property of the Oregon 4-H Youth Development Program, the College of Public Health and Human Sciences, and the Oregon State University Extension Service.

The Oregon ATV Safety Youth Rider Endorsement Program was made possible by funding from the Oregon Parks and Recreation Department.

The Oregon ATV Safety Youth Rider Endorsement Program gratefully acknowledges the assistance of the TEAM OREGON Motorcycle Safety Program and its Director, Steve Garets.

The format and portions of the content of the Oregon ATV Safety Youth Rider Endorsement Program Rider Guide were borrowed with permission from TEAM OREGON.

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Cover illustration based on a photo courtesy of Kawasaki Motors Corp., USA



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Email your questions to: david.white@oregonstate.edu

Phone: 541-548-6088

Oregon All-Terrain Safety Education Course available by visiting:
www.rideatvoregon.org



NOTES





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An Oregon 4-H Youth
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partial funding provided by:

