can-am
BRP
2007
Operator's Guide
Includes
Safety, Vehicle
and Maintenance
Information
OUTLANDER™
500/ 650/ 800 EFI
WARNING
Read this guide thoroughly.
It contains important safety information.
Minimum recommended operator age: 16 years.
Do not remove this Operator's Guide from the vehicle.
219 000 434

## ⚠ WARNING

**YOUR VEHICLE CAN BE HAZARDOUS TO OPERATE.** A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.
For your safety, understand and follow all the warnings contained in this Operator's Guide and the labels on your vehicle. **Failure to follow these warnings can result in SEVERE INJURY OR DEATH!**
Keep this Operator's Guide with the vehicle at all times.

## ⚠ WARNING

Disregarding any of the safety precautions and instructions contained in this Operator's Guide, *SAFETY VIDEO* and on-product labels could cause injury including the possibility of death!

Category R (recreational) vehicles are for off road use only. It is mainly for general recreational use but it may also be used for utility purposes.

***Outlander 800 Models Only***

## ⚠ WARNING

This vehicle may exceed the performance of other vehicles you may have ridden in the past.
This is a high performance vehicle designed for use by experienced operators.

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# IMPORTANT INFORMATION

This Operator's Guide utilizes the following symbols to emphasize particular information:

⚠ The Safety Alert Symbol indicates a potential personal injury hazard.

**⚠ WARNING** Indicates a potential hazard that, if not avoided, could result in serious injury or death.

**CAUTION:** Denotes an instruction which, if not followed, could severely damage vehicle components.

NOTE: Indicates supplementary information needed to fully complete an instruction.

All safety documentation should remain with the vehicle at the time of sale.

All content of the *SAFETY INFORMATION* section should be interpreted by the reader as a warning which, if not followed, may result in injury including the possibility of death.

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Outlander™

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XP-S™

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# FOREWORD

Congratulations on your purchase of a new Can-Am™ ATV. It is backed by the BRP warranty and a network of authorized Can-Am dealers ready to provide the parts, service or accessories you may require.

Your dealer is committed to your satisfaction. He has taken training to perform the initial setup and inspection of your vehicle as well as completed the final adjustment before you took possession. At delivery, your dealer would have explained the operation, maintenance and safety features of the vehicle. We trust you have taken full advantage of this! If you need more complete servicing information, please ask your dealer.

At delivery, you were also informed of the warranty coverage and completed the Warranty Registration Form which is to be sent to us for processing. In the near future you should be receiving a warranty card which will confirm our receipt of the registration as well as be used for warranty or recall purposes.

You are invited to contact our customer assistance center should you experience problems which cannot be resolved by an authorized Can-Am dealer.

It is understood that this Operator's Guide may be translated into another language. In the event of any discrepancy, the English version shall prevail. Throughout this document the masculine is used to denote the masculine or feminine.

If you want to view and/or print an extra copy of your Operator's Guide, simply visit the following website **www.operatorsguide.brp.com**. Also note that the guide is available in several languages.

The information and components/system descriptions contained in this document are correct at the time of publication. BRP, however, maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on products previously manufactured. Due to late changes, some differences between the manufactured product and the descriptions and/or specifications in this guide may occur. BRP reserves the right at any time to discontinue or change specifications, designs, features, models or equipment without incurring any obligation upon itself.

The illustrations in this document show the typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts. However, they represent parts that have the same or similar function.

The use of RIGHT and LEFT indications in the text always refers to driving position (when sitting on vehicle).

Specifications are given in the international metric system with the SAE U.S. equivalent in parenthesis. Where precise accuracy is not required, some conversions are rounded off for easier use.

We recommend genuine BRP products for replacement parts and accessories. They've been especially designed for your vehicle and manufactured to meet BRP's demanding standards.

A *SHOP MANUAL* can be obtained for complete service and maintenance information and more repair information.

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# NOTICE

This Operator's Guide has been prepared to acquaint the owner/operator of a new vehicle with the various vehicle controls, maintenance and safe operating instructions. It is indispensable for the proper use of the product.

This Operator's Guide uses the following symbols.

**⚠ WARNING**

**Indicates a potential hazard that, if not avoided, could result in serious injury or death.**

**CAUTION:** Denotes an instruction which, if not followed, could severely damage vehicle components.

NOTE: Indicates supplementary information needed to fully complete an instruction.

Although the mere reading of such information does not eliminate the hazard, the understanding and application of the information will promote the correct use of this vehicle.

To fully appreciate the pleasures, enjoyment and excitement of using this vehicle, there are some basic rules that MUST be observed and followed by any user.

# INTRODUCTION

Your dealer should have provided you with some basic information on the particular controls and features of your new vehicle. Please take the time to study this Operator's Guide and all on-product warning labels as well as the *SAFETY VIDEO* that came with this vehicle. They more completely describe what you should know about this vehicle before riding it.

Whether you are a new user or an experienced rider, it is important for your personal safety that you know the controls and features of this vehicle. Equally important is knowing how to properly ride.

Irrespective of your age, experience or state regulations, it is always prudent for you or any other person who may ride your vehicle, to take an approved safe riding course. Please check with your dealer or local authorities for availability in your area. If you are a completely new rider, this should be done before your first ride. Your instructor should be able to provide advice on local conditions and safe riding practices particular to the area.

Riding conditions vary from place to place. Each is subject to weather conditions which may radically change from time to time and from season to season.

Riding on sand is different than riding on snow or through forests or marshes. Each location may require a greater degree of awareness and skill. Show good judgement. Always proceed with caution. Please do not take any unnecessary risks that could leave you stranded or possibly injured.

The contents of this Operator's Guide provide riding information which has been proven reliable by other users. They are not intended as a definitive means of avoiding accidents. How you apply this information, coupled with your mental and physical condition, the particular terrain hazard and your risk acceptance level will have an effect on your riding experience. Have fun... and ride responsibly.

This Operator's Guide has been prepared to acquaint the owner/operator of a new vehicle with the various vehicle controls, maintenance and safe operating instructions. They are indispensable for the proper use of the product.

We would be pleased to receive any comments on the content and format of this Operator's Guide, the *SAFETY VIDEO* or on-product warnings labels.

# *SAFETY INFORMATION*

# SPECIAL SAFETY MESSAGES

THIS VEHICLE IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE.

This vehicle handles differently from other vehicles including motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

⚠ Read this Operator's Guide and all on-product warning labels carefully and follow the operating procedures described. Watch and pay attention to the *SAFETY VIDEO* before operation.

⚠ Never operate this vehicle without proper instruction. **Take a training course.** All operators should receive training from a certified instructor. Contact an authorized Can-Am dealer for more informations.
**USA and Canada Only:** to find out about available training course nearest you, call the Specialty Vehicle Institute of America (SVIA) at 1 800 877-2887 or in Canada, the Canada safety Council (CSC) at 1 (613) 739-1535 ext. 227.

⚠ Always follow this age recommendation: A person under 16 years old should never operate this vehicle.

⚠ Never carry a passenger on this vehicle.

⚠ Never operate this vehicle on any paved surfaces, including sidewalks, driveways, parking lots and streets.

⚠ Never operate this vehicle on any public street, road or highway, even a dirt or gravel one.

⚠ Never take place on this vehicle without wearing an approved helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, long sleeved shirt or jacket, and long pants.

⚠ Never consume alcohol or drugs before or while riding this vehicle.

⚠ Never operate at excessive speeds. Always go at a speed that is proper for the terrain, visibility, and operating conditions, and your experience.

⚠ Never attempt wheelies, jumps, or other stunts.

⚠ Always inspect your vehicle each time you use it to make sure it is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in this Operator's Guide.

⚠ Always keep both hands on the handlebars and both feet on the footrests of the vehicle during operation.

⚠ Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating this vehicle.

⚠ Never operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control this vehicle on such terrain. Always be especially cautious on these kinds of terrain.

⚠ Always follow proper procedures for turning as described further in this Operator's Guide. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speed.

⚠ Never operate this vehicle on hills too steep for the vehicle or for your abilities. Practice on smaller hills before attempting larger hills.

⚠ Always follow proper procedures for climbing hills as described further in this Operator's Guide. Check the terrain carefully before you start up any hill. Never climb hills with excessively slippery or loose surfaces. Shift your weight forward. Never open the throttle suddenly or make sudden gear changes. Never go over the top of any hill at high speed.

⚠ Always follow proper procedures for going down hills and for braking on hills as described further in this Operator's Guide. Check the terrain carefully before you start down any hill. Shift your weight backward. Never go down a hill at high speed. Avoid going down a hill at an angle that would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.

⚠ Always follow proper procedures for crossing the side of a hill as described further in this Operator's Guide. Avoid hills with excessively slippery or loose surfaces. Shift your weight to the uphill side of the vehicle. Never attempt to turn the vehicle around on any hill until you have mastered the turning technique described in this Operator's Guide on level ground. Avoid crossing the side of a steep hill if possible.

⚠ Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, use proper gear and maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special procedure for braking described in this Operator's Guide. Dismount on the uphill side or to a side if pointed straight uphill. Turn the vehicle around and remount, following the procedure described further in this Operator's Guide.

⚠ Always check for obstacles before operating in a new area. Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described further in this Operator's Guide.

⚠ Always be careful when skidding or sliding. Learn to safely control skidding or sliding by practicing at low speeds and on level smooth terrain. On extremely slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding out of control.

⚠ Never operate this vehicle in fast flowing water or in water deeper than that specified in this Operator's Guide. Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the pads.

⚠ Always be sure there are no obstacles or people behind the vehicle when you operate in reverse. When it is safe to proceed in reverse, go slowly.

⚠ Always use the size and type tires specified further in this Operator's Guide. Always maintain proper tire pressure as described further in this Operator's Guide.

⚠ Never modify this vehicle through improper installation or use of accessories. Only use BRP's approved accessories. NEVER install passenger seat or use the racks to carry a passenger.

⚠ Never exceed the stated load limits for this vehicle including operator, all other loads and added accessories. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer. Allow greater distance for braking.

⚠ FOR MORE INFORMATION ABOUT ATV SAFETY, contact an authorized Can-Am dealer to find out about available training courses nearest you.

USA and Canada only: Call the Specialty Vehicle Institute of America (SVIA) at 1 800 877-2887 or in Canada, the Canada Safety Council (CSC) at 1 (613) 739-1535 ext. 227.

# OPERATION WARNINGS

While reading this Operator's Guide, remember that:

**⚠ WARNING**

Indicates a potential hazard that, if not avoided, could result in serious injury or death.

The following warning and their format have been requested by the United States Consumer Product Safety Commission and are required to be in the Operator's Guide for all ATVs.

NOTE: The following illustrations are general representations only. Your model may differ.

**⚠ WARNING**

V00A0AQ

## POTENTIAL HAZARD

Operating this vehicle without proper instruction.

## WHAT CAN HAPPEN

The risk of an accident is greatly increased if the operator does not know how to operate this vehicle properly in different situations and on different types of terrain.

## HOW TO AVOID THE HAZARD

Beginning and inexperienced operators should complete a training course. They should then regularly practice the skills learned in the course and the operating techniques described in this Operator's Guide.

For more information about the training course, contact an authorized Can-Am dealer.

## ⚠ WARNING

V00A01Q

### POTENTIAL HAZARD

Failure to follow the age recommendations for this vehicle.

### WHAT CAN HAPPEN

A lack of respect for this age recommendation can lead to severe injury or death of the child.

Even though a child may be within the age group for which this vehicle is recommended, he may not have the skills, abilities, or judgment needed to operate this vehicle safely and may be involved in a serious accident.

### HOW TO AVOID THE HAZARD

No one under 16 should operate this vehicle.

## ⚠ WARNING

V00A02Q

### POTENTIAL HAZARD

Carrying a passenger on this vehicle.

### WHAT CAN HAPPEN

Greatly reduces your ability to balance and control this vehicle.

Could cause an accident, resulting in harm to you and/or your passenger.

### HOW TO AVOID THE HAZARD

Never carry passenger. Even with a long seat that provides unrestricted operator movement, it is not designed nor intended to carry passenger(s).

## ⚠ WARNING

V00A03Q

### POTENTIAL HAZARD

Operating this vehicle on paved surfaces.

### WHAT CAN HAPPEN

The tires are designed for off-road use only, not for use on pavement. Paved surfaces may seriously affect handling and control of this vehicle, and may cause the vehicle to go out of control.

### HOW TO AVOID THE HAZARD

Never operate this vehicle on any paved surfaces, including sidewalks, driveways, parking lots and streets.

## ⚠ WARNING

V00A04Q

### POTENTIAL HAZARD

Operating this vehicle on public streets, roads or highways.

### WHAT CAN HAPPEN

You can collide with another vehicle.

### HOW TO AVOID THE HAZARD

Never operate this vehicle on any public street, road or highway, even a dirt or gravel one. In many states or provinces it is illegal to operate this vehicle on public streets, roads or highways.

## ⚠ WARNING

V00A06Ω

### POTENTIAL HAZARD

Riding this vehicle without wearing an approved helmet, eye protection and protective clothing.

### WHAT CAN HAPPEN

The following items concern all ATV's operator:

- riding without an approved helmet increases the chances of a severe head injury or death in the event of an accident
- riding without eye protection can result in an accident and increases the chances of a severe injury in the event of an accident
- riding without protective clothing increases the chances of severe injury in the event of an accident.

### HOW TO AVOID THE HAZARD

Always wear an approved helmet that fits properly. You should also wear:

- eye protection (goggles or face shield)
- gloves and boots
- long sleeved shirt or jacket
- long pants.

## ⚠ WARNING

V00A07Q

### POTENTIAL HAZARD

Riding this vehicle after consuming alcohol or drugs.

### WHAT CAN HAPPEN

Could seriously affect your judgment.

Could cause you to react more slowly.

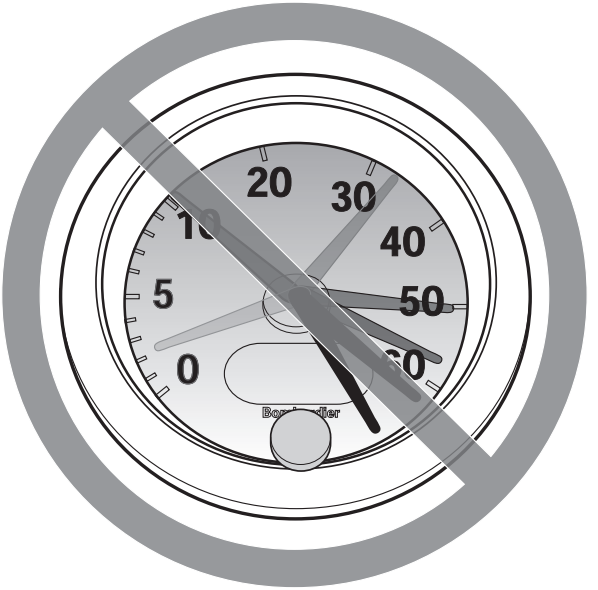
Could affect your balance and perception.

Could result in an accident or death.

### HOW TO AVOID THE HAZARD

Never consume alcohol or drugs before or while riding this vehicle.

## ⚠ WARNING




V00A08Q

### POTENTIAL HAZARD

Operating this vehicle at excessive speeds.

### WHAT CAN HAPPEN

Increases your chances of losing control of the vehicle, which can result in an accident.

### HOW TO AVOID THE HAZARD

Always travel at a speed which is proper for the terrain, visibility and operating conditions, and your experience.

## ⚠ WARNING

V00A09Q

### POTENTIAL HAZARD

Attempting wheelies, jumps and other stunts.

### WHAT CAN HAPPEN

Increases the chance of an accident, including an overturn.

### HOW TO AVOID THE HAZARD

Never attempt stunts, such as wheelies or jumps. Do not try to show off.

## ⚠ WARNING

### POTENTIAL HAZARD

Failure to inspect the vehicle before operating.

Failure to properly maintain the vehicle.

### WHAT CAN HAPPEN

Increases the possibility of an accident or equipment damage.

### HOW TO AVOID THE HAZARD

Always inspect your vehicle each time you use it to make sure the vehicle is in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described further in this Operator's Guide.

## ⚠ WARNING

### POTENTIAL HAZARD

Riding on frozen waterways.

### WHAT CAN HAPPEN

Severe injury or death can result if the vehicle and/or operator break through the ice.

### HOW TO AVOID THE HAZARD

Never ride this vehicle on a frozen surface before you are sure the ice is thick enough and sound enough to support the vehicle and its load, as well as the force that is created by a moving vehicle.

## ⚠ WARNING

V00A0BQ

### POTENTIAL HAZARD

Removing hands from handlebar or feet from the footrests during operation.

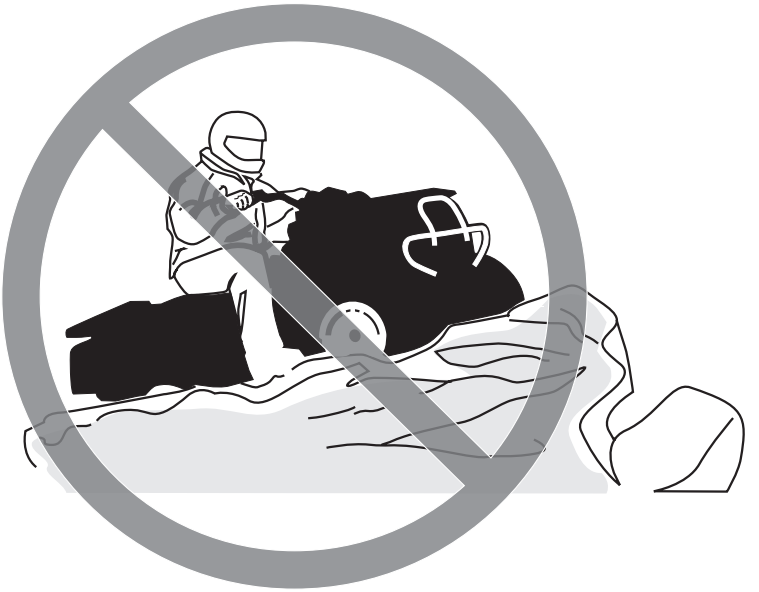
### WHAT CAN HAPPEN

Removing even one hand or foot can reduce your ability to control the vehicle or could cause you to lose your balance and fall off the vehicle. If you remove a foot from the footrests, your foot or leg may come into contact with the rear wheels, which could injure you or cause an accident.

### HOW TO AVOID THE HAZARD

Always keep both hands on the handlebar and both feet on the footrests during vehicle operation.

## ⚠ WARNING



V00A0CQ

### POTENTIAL HAZARD

Failure to use extra care when operating this vehicle on unfamiliar terrain.

### WHAT CAN HAPPEN

You can come upon hidden rocks, bumps, or holes, without enough time to react.

Could result in the vehicle overturning or loss of control.

### HOW TO AVOID THE HAZARD

Go slowly and be extra careful when operating on unfamiliar terrain.

Always be alert to changing terrain conditions when operating the vehicle.

## ⚠ WARNING

V00A0DQ

### POTENTIAL HAZARD

Failure to use extra care when operating on excessively rough, slippery or loose terrain.

### WHAT CAN HAPPEN

Could cause loss of traction or vehicle control, which could result in an accident, including an overturn.

### HOW TO AVOID THE HAZARD

Do not operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control this vehicle on such terrain.

Always be especially cautious on these kinds of terrain.

## ⚠ WARNING

V00A0EQ

### POTENTIAL HAZARD

Turning improperly.

### WHAT CAN HAPPEN

Vehicle could go out of control, causing a collision or overturn.

### HOW TO AVOID THE HAZARD

Always follow proper procedures for turning as described further in this Operator's Guide. Practice turning at low speeds before attempting to turn at faster speeds.

Do not turn at excessive speed.

## ⚠ WARNING

V00A0QQ

### POTENTIAL HAZARD

Operating on excessively steep hills.

### WHAT CAN HAPPEN

The vehicle can overturn more easily on extremely steep hills than on level surfaces or small hills.

### HOW TO AVOID THE HAZARD

Never operate this vehicle on hills too steep for the vehicle or for your abilities.

Practice on smaller hills before attempting larger hills.

## ⚠ WARNING

V00A0FQ

### POTENTIAL HAZARD

Climbing hills improperly.

### WHAT CAN HAPPEN

Could cause loss of control or cause vehicle to overturn.

### HOW TO AVOID THE HAZARD

Always follow proper procedures for climbing hills as described further in this Operator's Guide.

Always check the terrain carefully before you start up any hill.

Never climb hills with excessively slippery or loose surfaces.

Shift your weight forward.

Never open the throttle suddenly or make sudden gear changes. The vehicle could flip over backwards.

Never go over the top of any hill at high speed. An obstacle, a sharp drop, or another vehicle or person could be on the other side of the hill.

## ⚠ WARNING

V00A0GQ

### POTENTIAL HAZARD

Going down a hill improperly.

### WHAT CAN HAPPEN

Could cause loss of control or cause vehicle to overturn.

### HOW TO AVOID THE HAZARD

Always follow proper procedures for going down hills as described further in this Operator's Guide. **NOTE:** A special technique is required when braking as you go down a hill.

Always check the terrain carefully before you start down any hill.

Shift your weight backward.

Never go down a hill at high speed.

Avoid going down a hill at an angle which would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.

## ⚠ WARNING

V00A0HQ

### POTENTIAL HAZARD

Improperly crossing hills or turning on hills.

### WHAT CAN HAPPEN

Could cause loss of control or cause vehicle to overturn.

### HOW TO AVOID THE HAZARD

Never attempt to turn the vehicle around on any hill until you have mastered the turning technique as described further in this Operator's Guide on level ground. Be very careful when turning on any hill.

Avoid crossing the side of a steep hill if possible.

***When crossing the side of a hill:***

Always follow proper procedures as described further in this Operator's Guide.

Avoid hills with excessively slippery or loose surfaces.

Shift your weight to the uphill side of the vehicle.

## ⚠ WARNING

V00A0IQ

### POTENTIAL HAZARD

Stalling, rolling backwards or improperly dismounting while climbing a hill.

### WHAT CAN HAPPEN

Could result in vehicle overturning.

### HOW TO AVOID THE HAZARD

Use proper gear and maintain steady speed when climbing a hill.

***If you lose all forward speed:***

Keep your weight uphill. Never open the throttle suddenly or make sudden gear changes. The vehicle could flip over backwards.

Apply the brakes.

Lock parking brake after you are stopped.

Dismount on uphill side, or to a side if pointed straight uphill.

***If you begin rolling backwards:***

Keep your weight uphill. Never open the throttle suddenly or make sudden gear changes. The vehicle could flip over backwards.

Never apply the rear brake while rolling backwards.

Apply the front brake gradually.

When fully stopped, apply rear brake as well and lock parking brake.

Dismount on uphill side, or to a side if pointed straight uphill.

Turn the vehicle around and remount, following the procedure described further in this Operator's Guide.

## ⚠ WARNING

V00A0JQ

### POTENTIAL HAZARD

Improperly operating over obstacles.

### WHAT CAN HAPPEN

Could cause loss of control or a collision.

Could cause the vehicle to overturn.

### HOW TO AVOID THE HAZARD

Before operating in a new area, check for obstacles.

Never attempt to ride over large obstacles, such as large rocks or fallen trees.

When you go over obstacles, always follow proper procedures as described further in this Operator's Guide.

## ⚠ WARNING

V00A0KQ

### POTENTIAL HAZARD

Skidding or sliding improperly.

### WHAT CAN HAPPEN

You may lose control of this vehicle.

You may also regain traction unexpectedly, which may cause the vehicle to overturn.

### HOW TO AVOID THE HAZARD

Learn to safely control skidding or sliding by practicing at low speeds and on level smooth terrain.

On extremely slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.

## ⚠ WARNING

V00A0LQ

### POTENTIAL HAZARD

Operating this vehicle through deep or fast flowing water.

### WHAT CAN HAPPEN

Tires may float, causing loss of traction and loss of control, which could lead to an accident.

### HOW TO AVOID THE HAZARD

Never operate this vehicle in fast flowing water or in water deeper than that specified further in this Operator's Guide.

Check water depth and current before you attempt to cross any water. Water should not go above footrests.

Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the pads.

## ⚠ WARNING

V00A0MQ

### POTENTIAL HAZARD

Improperly operating in reverse.

### WHAT CAN HAPPEN

You could hit an obstacle or person behind the vehicle, resulting in serious injury.

### HOW TO AVOID THE HAZARD

When you select reverse gear, make sure there are no obstacles or people behind the vehicle. When it is safe to proceed, go slowly.

## ⚠ WARNING

V00A0OQ

### POTENTIAL HAZARD

Operating this vehicle with improper tires, or with improper or uneven tire pressure.

### WHAT CAN HAPPEN

Use of improper tires on this vehicle, or operation of this vehicle with improper or uneven tire pressure, may cause loss of control, tire blow outs, tire to move around on its rim and increases the risk of an accident.

### HOW TO AVOID THE HAZARD

Always use the size and type of tires specified further in this Operator's Guide for this vehicle.

Always maintain proper tire pressure as described further in this Operator's Guide.

Always replace wheels or tires that are damaged.

## ⚠ WARNING

V00A0NQ

### POTENTIAL HAZARD

Operating this vehicle with improper modifications.

### WHAT CAN HAPPEN

Improper installation of accessories or modification of this vehicle may cause changes in handling which in some situations could lead to an accident.

### HOW TO AVOID THE HAZARD

Never modify this vehicle through improper installation or use of accessories. All parts and accessories added to this vehicle should be approved by BRP and should be installed and used according to instructions. If you have questions, consult an authorized Can-Am dealer.

NEVER install passenger seat or use the racks to carry a passenger.

Modification of the vehicle to increase speed and performance may violate the terms and conditions of your vehicle limited warranty. In addition, certain modifications including the removal of engine or exhaust components are illegal under most laws.

## ⚠ WARNING

V00A0PQ

### POTENTIAL HAZARD

Overloading this vehicle or carrying or towing cargo improperly.

### WHAT CAN HAPPEN

Could cause changes in vehicle handling which could lead to an accident.

### HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for this vehicle including operator, as well as other loads and added accessories.

Cargo should be properly distributed and securely attached.

Reduce speed when carrying cargo or pulling a trailer. Allow greater distance for braking.

Always follow the instructions in this Operator's Guide for carrying cargo or pulling a trailer.

## ⚠ WARNING

V03M01Q

### POTENTIAL HAZARD

Transporting flammable or dangerous material can lead to explosions.

### WHAT CAN HAPPEN

This can cause serious injury or death.

### HOW TO AVOID THE HAZARD

Never transport flammable or dangerous material.

While reading this Operator's Guide, remember that:

## ⚠ WARNING

Indicates a potential hazard that, if not avoided, could result in serious injury or death.

# RIDING THE VEHICLE

To fully appreciate the pleasures and excitement of riding this vehicle, there are some basic rules and tips that you MUST follow. Some may be new to you while others may be common sense or obvious. Nonetheless, we ask that you take a few minutes to read this Operator's Guide completely before you operate this vehicle.

Information in this Operator's Guide is limited. It is strongly recommended that you obtain further information and training from your local authorities, ATV clubs, a recognized ATV training organization or contact an authorized Can-Am dealer.
USA and Canada Only: to find out about available training course nearest you, call the Specialty Vehicle Institute of America (SVIA) at 1 800 877-2887 or in Canada, the Canada safety Council (CSC) at 1 (613) 739-1535 ext. 227.

The U.S. Consumer Product Safety Commission and all ATV manufacturers do not recommended anyone under the age of 16 to ride an ATV having an engine higher than 90 cc. For the child's safety, we strongly recommend you also follow and enforce this recommendation. You are the sole judge of a rider's capability to understand the risks and operate a vehicle safely.

Persons with cognitive or physical impairments or who are high risk takers have an increased exposure to overturns or collisions which may result in injury including death.

Become completely familiar with the operational controls and the general operation of the vehicle before venturing into off road conditions. Practice driving in a suitable area free of hazards and feel the response of each control. Drive at low speeds. Higher speeds require greater experience, knowledge and suitable riding conditions.

Not all vehicles are the same. Each has its own unique performance characteristics, controls and features. Each will ride and handle differently.

Never assume that the vehicle will go everywhere safely. Sudden changes in terrain caused by holes, depressions, banks, softer or harder "ground" or other irregularities may cause the vehicle to topple or become unstable. To avoid this, slow down and always observe the terrain ahead. If the vehicle does begin to topple or tipover, it is usually the best advice to immediately get off... AWAY from the direction of the tipover!

## Pre-Operation Check

**⚠ WARNING**

**The pre-operation check is very important prior to operating the vehicle. Always check the proper operation of critical controls, safety features and mechanical components before starting. If not done, severe injury or death might occur.**

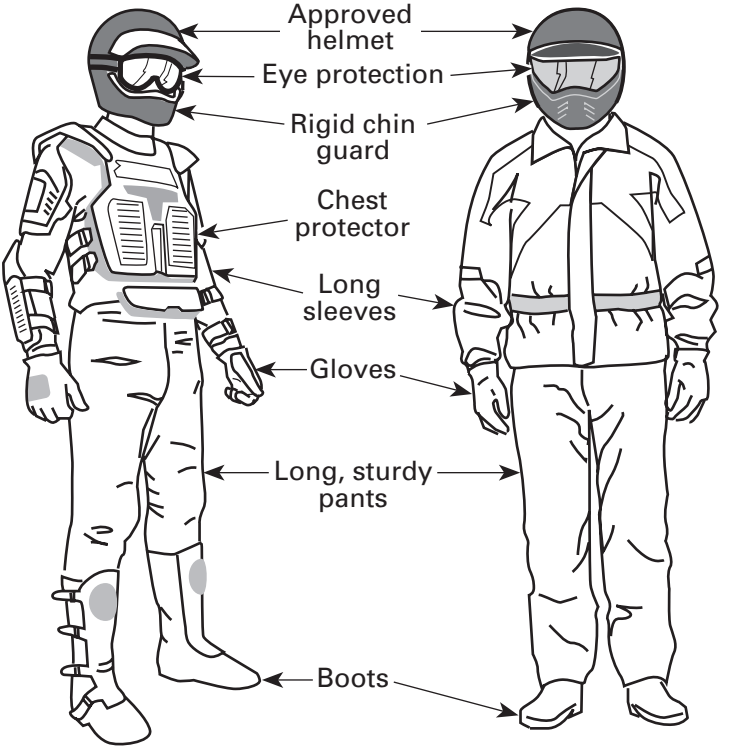
Before using this vehicle, the operator should always:

- Apply parking brake and check if it operates properly.
- Check tire pressure and condition.
- Check wheels and bearings for wear and damage.
- Check location of controls and ensure they work properly.
- Verify if steering operates freely.
- Activate throttle control lever several times to ensure it operates freely. It must return to idle position when released.
- Activate the brake levers and brake pedal to make sure the brakes fully apply. Levers and pedal must fully return when released.
- Ensure transmission lever is working then reset in PARK position.
- Check fuel, oil and coolant levels.
- Check for oil leaks on the engine/gearbox and drive train components.
- Clean headlamps and taillight.
- Ensure front access compartment cover and rear storage cover compartment are properly latched.
- Ensure seat is properly latched.
- If you transport cargo, respect load capacity. Ensure cargo is properly secured to the racks.
- If you are pulling a trailer or other equipment, ensure it respects the tongue capacity and towing capacity. Ensure trailer is properly secured to hitch.
- Look and feel for loose parts while engine is off. Check fasteners.
- Ensure the path of travel is free of persons and obstacles.
- Check operation of ignition switch, engine start button, engine stop switch, headlamps, taillight and indicator lights.
- Start engine, remove parking brake and drive forward slowly a few feet then apply all brakes individually to test them.
- Check operation of 2WD/4WD selector.

**Correct any problem you may have found before riding. See an authorized Can-Am dealer as necessary.**

## Clothing

Actual weather conditions should help you decide how to dress. However, it is important that the operator always wear the appropriate protective clothing and apparel, including an approved helmet, eye protection, boots, gloves, long sleeved shirt and pants. This type of clothing will provide you protection from some of the minor hazards you may encounter en route. Operator must never wear loose clothing such as a scarf that may get entangled in the vehicle or on tree branches and shrubs. Depending on conditions, antifogging goggles or sunglasses may be required. Different colored lenses available for goggles or sunglasses help you distinguish terrain variations. Sunglasses should only be worn during the daytime.




**Riders with appropriate riding gear**

V00A0RN

## Carrying Loads

Any load carried on the vehicle's carrying rack(s) will affect the stability and control of the vehicle. For this reason, do not exceed the load limits of the vehicle's manufacturer. Always make sure the load is secured and cannot interfere with your proper control. Always be aware that the "load" may slide or fall off and create an accident. Avoid loads that may protrude sideways and get snagged or caught in brush or other obstacles. Avoid covering and obstructing the headlamp or taillight with the cargo.

This vehicle is designed specifically to carry an operator only. Even with a long seat that provide unrestricted operator movements, they are not designed nor intended to carry passenger(s). NEVER install passenger seat or use the racks or their location to carry passenger(s). Carrying passenger(s) may affect the stability and your control of the vehicle.

## Hauling a Trailer (if so equipped)

Riding this vehicle with a trailer substantially increases the risk of toppling, especially on inclined slopes. If a trailer is used behind the vehicle make sure that its hitch is compatible with the one on the vehicle. Make sure the trailer is horizontal with the vehicle. (In some instances a special extension may have to be installed on the vehicle hitch). Use security chains to secure the trailer with the vehicle. This vehicle may require additional stopping distance if hauling heavy loads, especially on inclined surfaces. Be careful not to skid or slide. When stopped or parked, block the vehicle and trailer wheels from possible movement. Always make sure load is evenly distributed on the trailer. Use caution when disconnecting a loaded trailer; it or its load may topple on you or others. Do not turn at high speeds.

## Working with your Vehicle

Your vehicle can help you perform a number of different LIGHT tasks ranging from snow removal to pulling wood or carrying cargo. A variety of accessories are available from your authorized Can-Am dealer. However, always respect the load and capacities of the vehicle. Overloading of the vehicle can overstress the components and cause failure. To prevent possible injury, it is equally important to follow the instructions and warnings that accompany the accessory. Avoid any physical exertion through lifting or pulling of heavy loads or manpowering the vehicle. (Continue to read *RECREATIONAL RIDING* below).

## Recreational Riding

Respect the rights and limitations of others. Stay away from areas designated for other types of off road use. This includes snowmobile trails, equestrian trails, cross country ski trails, mountain bike trails, etc. Never assume there are no other users on the trail. Always stay to the complete right of the trail and do not zig zag to one side of the trail then the other. Be prepared to stop or pull off to the side if another trail user appears in front of you.

Join a local ATV club. They will provide you with a map and advice or inform you where you can ride. If a club does not exist in your area, help start one. Group riding and club activities provide a pleasurable, social experience.

Always keep a safe distance from other riders. Your judgment of speed, terrain conditions, weather, mechanical condition of your vehicle and the "trust in judgment" you have in others around you will help you make a better choice of appropriate safe distance. This vehicle, like any other motorized vehicle, cannot stop "on a dime".

Before you ride, tell someone where you are planning to travel and your expected time of return. Never consume alcohol or drugs before or while riding!

Depending on the length of your ride, carry additional tools or emergency equipment. Find out where you can get additional gasoline and oil. Be prepared for the possible conditions you may encounter. An emergency first aid kit should always be a consideration.

## Environment

One of the benefits of this vehicle is that it can take you off the beaten path away from most communities. However, you should always respect nature and the rights of others to enjoy it. Do not ride in environmentally sensitive areas. Do not drive over forest crops or shrubs... nor cut down trees or take down fencing... nor spin your wheels and destroy the terrain. "Tread Lightly".

Chasing wildlife is in many areas illegal. Wildlife can die of exhaustion after being chased by a motorized vehicle. If you encounter animals on the trail, stop and observe quietly and with caution. It will be one of the better memories of your life.

Observe the rule... "what you take in, carry out". Do not litter. Do not start campfires unless you have permission to do so... and then only ... away from dry areas. The hazards you may create on the trail may cause injury to others or yourself, even at a later date.

Respect farm lands. Always obtain the permission of the landowner before riding on private land. Respect crops, farm animals and property lines. If you come to a closed a gate, close it again after yourself.

Finally, do not pollute streams, lakes or rivers and do not modify the engine or muffling system, or remove any of its components.

## Design Limitation

Although the vehicle is exceptionally rugged for its class, it is still a light vehicle by definition and its operation must be restricted to its proper purpose.

The addition of weight to any part of the vehicle changes its gravitational stability and modifies its performance.

## Off-Highway Operation

The very nature of off-highway operation is dangerous. Any terrain, which has not been specially prepared to carry vehicles, presents an inherent danger where angularity, terrain substance and exact steepness are unpredictable. The terrain itself presents a continual element of danger, which must be knowingly accepted by anyone venturing over it.

An operator who takes a vehicle off-road should always exercise the utmost care in selecting the safest path and keeping close watch on the terrain ahead of him. On no account should the vehicle be operated by anyone who is not completely familiar with the driving instructions applicable to the vehicle, nor should it be operated on steep or treacherous terrain.

## General Operating and Safety Precautions

Care, caution, experience and driving skill are the best precautions against the hazards of vehicle operation.

Whenever there is the slightest doubt that the vehicle can safely negotiate an obstacle or a particular piece of terrain, always choose an alternate route.

In off-road operation, power and traction, not speed, are important. Never drive faster than visibility and your own ability to select a safe route permit.

Constantly watch the terrain ahead for sudden changes in slopes or obstacles, such as rocks or stumps, that may cause loss of stability, resulting in tipover or rollover.

Never operate the vehicle if the controls do not function normally.

When operating in reverse, check that the path behind the vehicle is free of people or obstacles. Proceed slowly and avoid sharp turns.

When stopped or parked, always apply the parking brake. This is especially important when parking on a slope. On very steep inclines or if the vehicle is carrying cargo, the wheels should be blocked using rocks or bricks. Remember to turn the fuel valve to the closed position.

## Uphill Driving

Due to configuration, this vehicle has excellent climbing ability, so much so that tipover is possible before traction is lost. For example, it is common to encounter terrain situations where the top of the hill has eroded to a point that the hill peak rises very sharply. The vehicle can readily negotiate such a condition, however, in doing so, when the front of the vehicle is driven to a point that the vehicle's balance changes rearward tipover can occur.

The same situation may apply if an embedded object causes the front of the vehicle to climb more than desired. If such a situation occurs take an alternate route. Be aware of side hilling dangers when doing so.

It is also wise to know the terrain condition on the other side of the hill or bank. All too often there exists a sharp drop-off that is impossible to negotiate or descend.

## Downhill Driving

This vehicle can climb slopes that are steeper than it can safely descend. Therefore, it is essential to assure that a safe route exists to descend a slope before you climb it.

Decelerating while negotiating a slippery downhill slope could "toboggan" the vehicle. Maintain steady speed and/or accelerate slightly to regain control.

## Side Hilling

Whenever possible, such operation should be avoided. If necessary, do so with extreme caution. Side hilling on steep inclines could result in rollover. In addition, slippery or unfirm surfaces could result in uncontrollable side sliding. Do not attempt to turn the vehicle downhill with the slide. Avoid all objects or depressions that will intensify the raising of one side of the vehicle higher than the other, thus causing rollover.

## Drop-Offs

This vehicle will "bottom-out" and usually stop if either the front or rear wheels are driven over a drop-off. If the drop is sharp or deep, the vehicle will nose dive and tipover.

**⚠ WARNING**

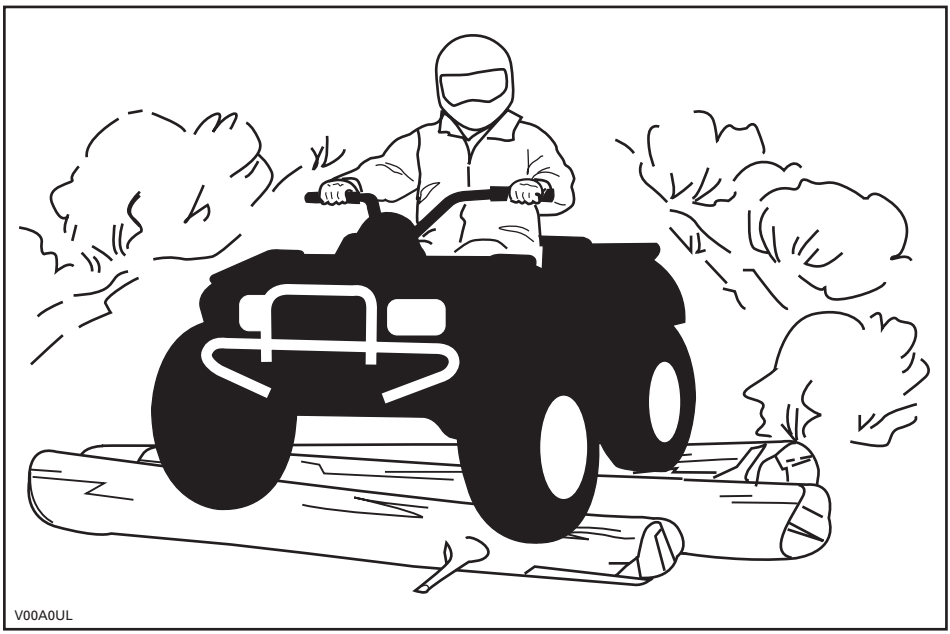
Avoid negotiating drop-offs. Reverse and select an alternate route.

## Riding Techniques

Riding your vehicle too fast for the conditions may result in injury. Apply only enough throttle to proceed safely. Statistics show that high speed turns usually result in mishaps and injury. Always remember that this vehicle is heavy! Its pure weight alone may entrap you should it fall and pin you down.

This vehicle is not designed for jumping nor can it, or you, absorb the energy of high impacts such as jumping. Performing "wheelies" can cause the vehicle to flip over onto you. Both practices have a high risk for you and should be avoided at all times.

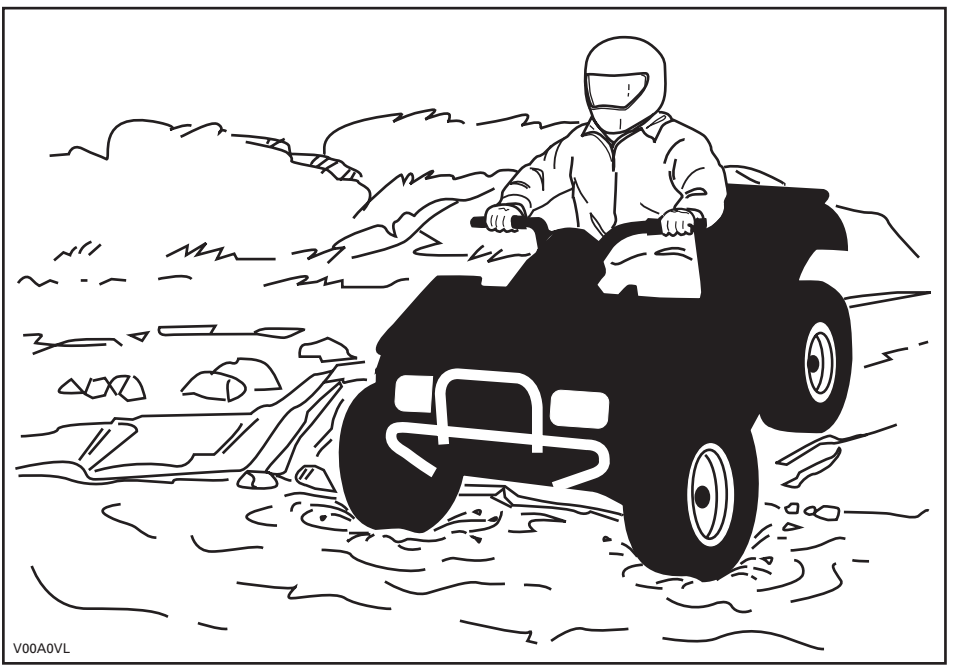
To maintain proper control it is strongly advised that you keep your hands on the handlebar and within easy reach of all controls. The same holds true for your feet. To minimize the possibility of any leg or foot injury, keep your feet on the footrests at all times. Do not direct your toes outwards nor place your foot out to assist turning as they can be hit or snagged by passing obstacles or may contact the wheels.




Even though there is an adequate suspensions system on this vehicle there are "washboard" or rough terrain conditions that will make you feel uncomfortable and even cause back injury. "Posting" or riding in a crouched position will often be required. Slow down and allow your flexed legs to absorb impact.

This vehicle is not designed for riding on roads or highways. In most places it is an illegal practice. Riding your vehicle on roads or highways could cause a collision to occur with another vehicle. The tires of this vehicle are not suited for paved road use. Pavement may seriously affect the handling and control of the vehicle. Riding on roads or soft shoulders may confuse other road users, especially if your lights are on. If you have to cross a road, the lead driver should get off his vehicle then observe and give directions to the other riders. The last person after crossing then assists the lead driver to cross. Do not travel sidewalks. They are designated for pedestrian use.

Water can be a unique hazard. If it is too deep the vehicle may "float" and topple. Check the water depth and current before you attempt to cross any water. Water should not go above the footrest. Be wary of slippery surfaces such as rocks, grass, logs, etc., both in the water and on its banks. A loss of traction may occur. Do not attempt to enter the water at high speed. The water will act as a brake and could throw you.




Water will affect the braking ability of your vehicle. Make sure you dry the brakes by applying them several times after the vehicle leaves the water.

Mud or marsh lands may be encountered near water. Be prepared for sudden "holes" or changes in depth. Similarly so, be watchful of hazards such as rocks, logs, etc., partially covered by vegetation.

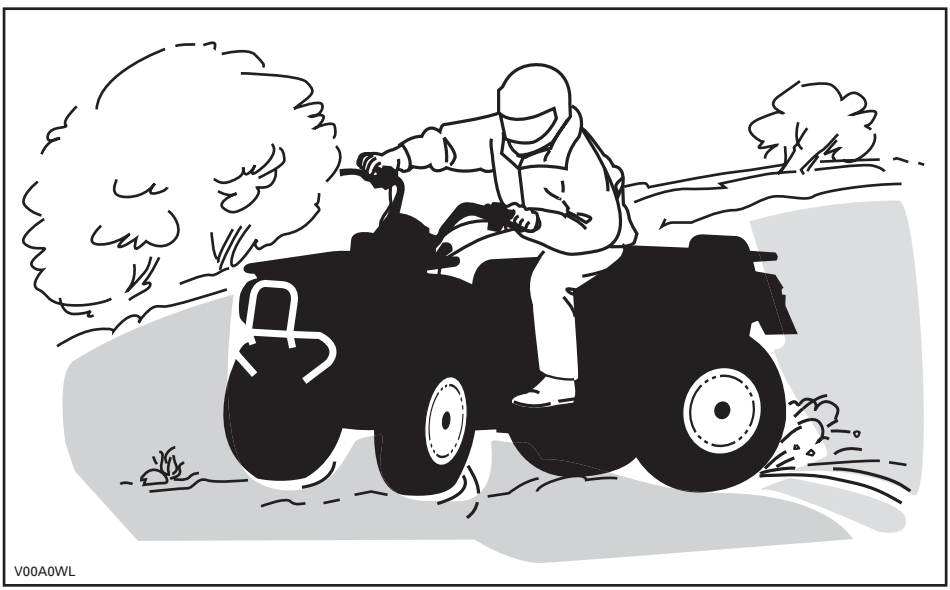
If your trip crosses frozen waterways, make sure that the ice is thick enough and sound enough to support the total weight of yourself, the vehicle and its load. Be ever watchful of open water... it is a sure indication that the ice thickness will vary. If in doubt, do not attempt to cross.

Ice will also affect the control of vehicle. Slow down and do not "gun" the throttle. This will only result in spinning of the tires and possible tipover of the vehicle. Avoid rapid braking. This again will possibly result in an uncontrolled slide and tipover of the vehicle. Slush should be avoided at all times since it could block the operation or controls of the vehicle.

Sand and riding on sand dunes or on snow is another unique experience but there are some basic precautions that should be observed. Wet, deep or fine sand/snow may create a loss of traction and cause the vehicle to slide, drop off or become "bogged" down. If this occurs look for a firmer base. Again, the best advice is to slow down and be watchful of the conditions.

When riding in sand dunes it is advisable to equip the vehicle with an antenna type safety flag. This will help make your location more visible to others over the next sand dune. Proceed carefully should you see another safety flag ahead. Since the antenna type safety flag can snag and rebound on your body if caught, do not use it in areas where there are low hanging branches or obstacles.

Riding on loose stones or gravel is very similar to riding on ice. They will affect the steering of vehicle... possibly causing it to slide and tipover especially at high speeds. In addition, braking distance may be a effected. Remember that "gunning" the throttle or sliding may cause loose stones to be ejected rearwards into the path of another rider's way. Never do it deliberately.




If you do get into a slide or skid, it may help to turn the handlebar into the direction of the skid until you regain control. Never jam the brakes and lock the wheels.

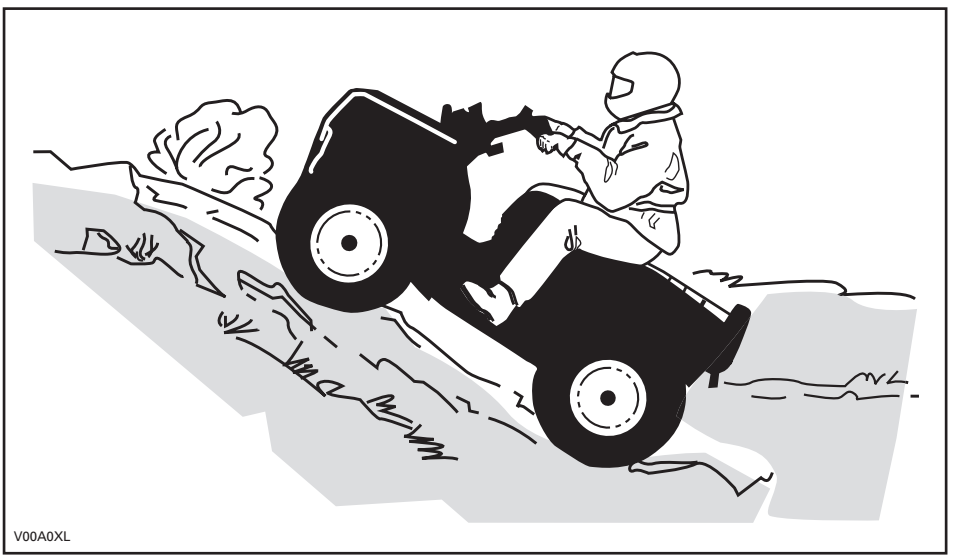
Respect and follow all posted trail signs. They are there to help you and others.

Obstacles in the "trail" should be traversed with caution. This includes loose rocks, fallen trees, slippery surfaces, fences, posts, and embankments and depressions. You should avoid them whenever possible. Remember that some obstacles are too large or dangerous to cross and should be avoided. Small rocks or fallen trees may be safely crossed... approach at a 90° angle. Stand on the footrests while keeping your knees flexed. Adjust speed without losing momentum and do not "gun" the throttle. Hold handlebar firmly. Place your body weight rearwards and proceed. Do not try to lift the vehicle front wheels off the ground. Be aware that the object may be slippery or may move while crossing.

When driving on hills or slopes two things are highly important... be prepared for slippery surfaces or terrain variations and obstacles and... use proper body positioning.

### Uphill

Keep your body weight forward towards the top of the hill. Keep your feet on the footpegs and shift into low gear then accelerate and when necessary, change gear quickly as you climb. Do not over-speed since this may cause the front of the vehicle to lift from the ground and fall back on you. If the hill is too steep and you cannot proceed or the vehicle begins to roll backwards, apply the brake, being careful not to slide. Dismount then use the "U" turn or "K" turn (while walking back, next to the vehicle on the up hill side and with a hand on the brake lever, slowly back the rear of the vehicle toward the top of the hill then drive downhill). Always walk or dismount on the upside of the slope while keeping clear of the vehicle and its rotating wheels. Do not try to hold on to the vehicle if it begins to topple. Stay clear. Do not ride over the crest of the hill at high speed. Obstacles, including sharp drop-offs, may exist.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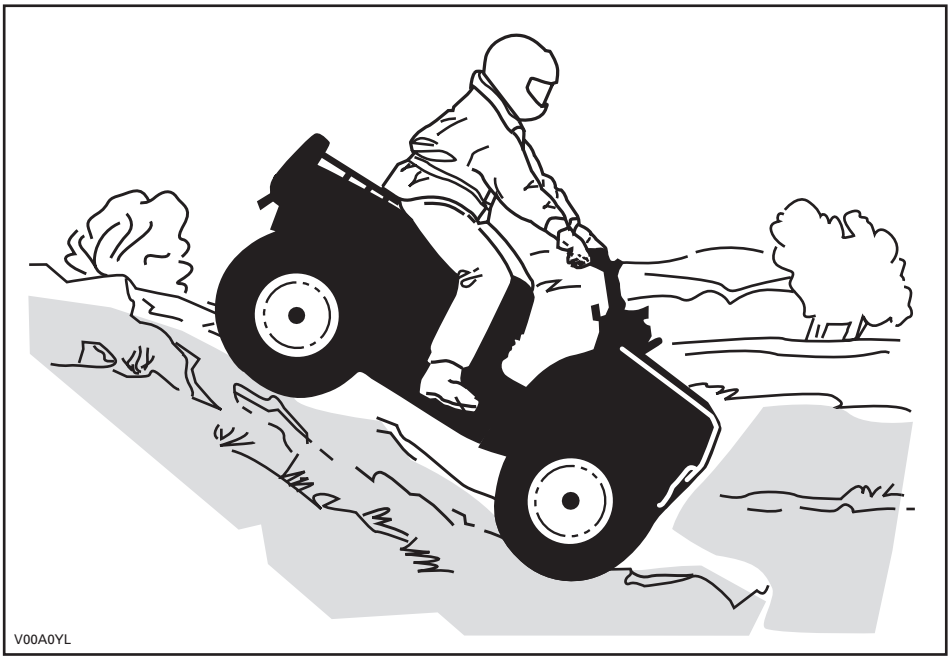
### Downhill

Keep your body weight rearwards. Apply the brake gradually to prevent skidding. Do not "coast" down the slope using solely engine compression or in neutral gear.



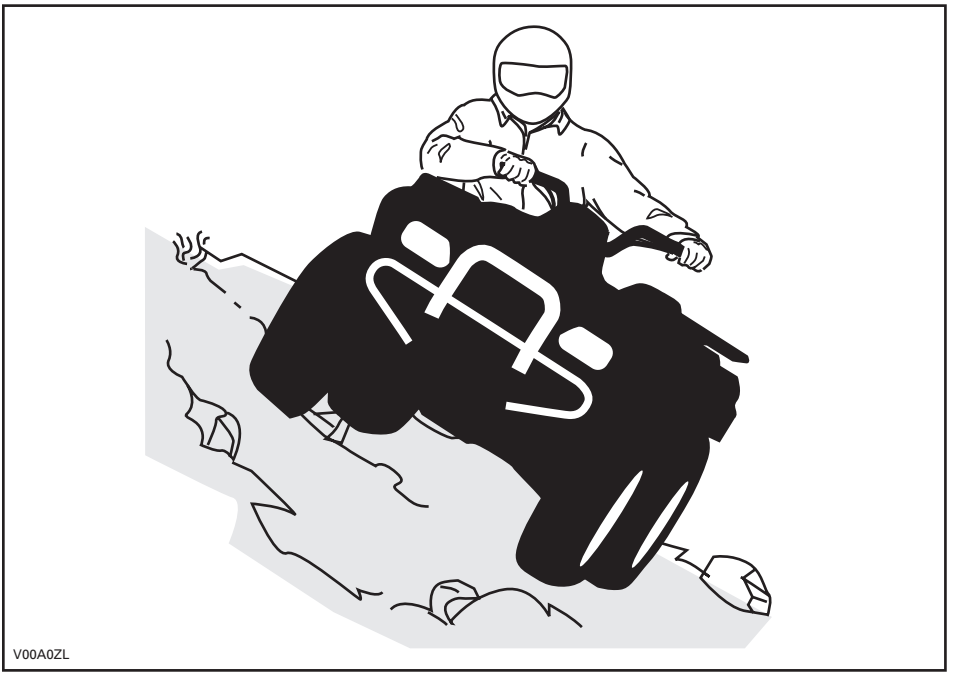

While reading this Operator's Guide, remember that:

**⚠ WARNING**

Indicates a potential hazard that, if not avoided, could result in serious injury or death.

## Side Hilling

This is one of the most risky types of riding since it may drastically change the balance of the vehicle. It should be avoided wherever possible. If it is necessary to do so however, it is important that you ALWAYS keep your body weight on the upside of the slope... and be prepared to dismount on that side should the vehicle begin to topple. Do not try to stop or save the vehicle from damage.



## Routine Maintenance

Once your ride completed, it is wise to remove any build up of snow, ice, mud and grime. Not only will this help you keep your vehicle longer and in good condition for resale but will eliminate potential hazards the next time you use the vehicle. Wash your vehicle in warm soapy water then allow it to dry. (A towel may help). Do not wash your vehicle outside during freezing weather. Apply appropriate lubrication as described in the *MAINTENANCE* section.

Part of your responsibility towards safety is to respect the contents of this Operator's Guide. It provides valuable advice on how to properly take care of your vehicle. If further assistance is required your authorized Can-Am dealer is always willing to help.

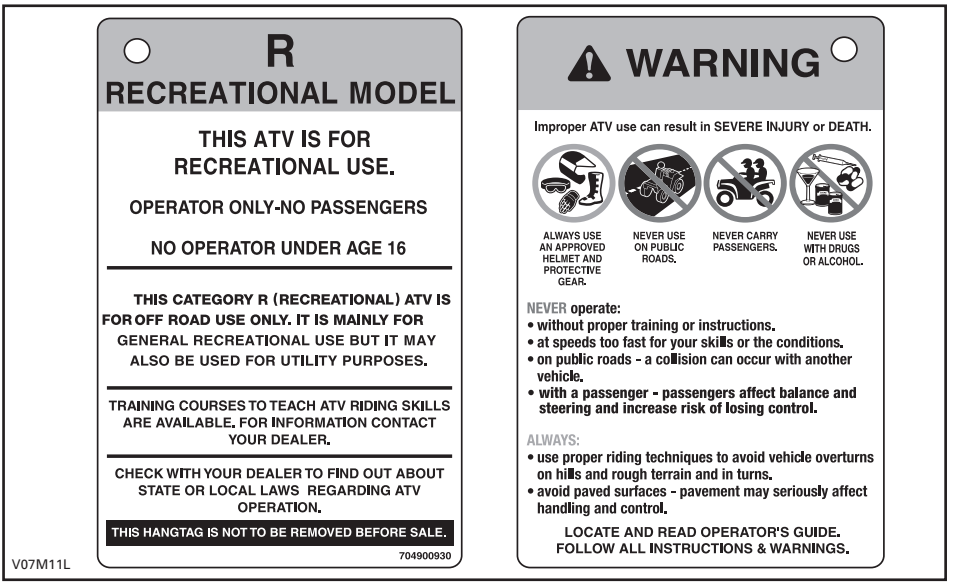
Modification of the vehicle to increase speed and performance may violate the terms and conditions of your vehicle limited warranty. In addition, certain modifications including the removal of engine or exhaust components are illegal under most laws.

Changing the wheel and/or tire size may affect the stability of the vehicle. Incorrect tire pressure may lead to blow outs or cause a tire to move around on its rim and become lost or damaged. Wheels or tires which are damaged should always be replaced.

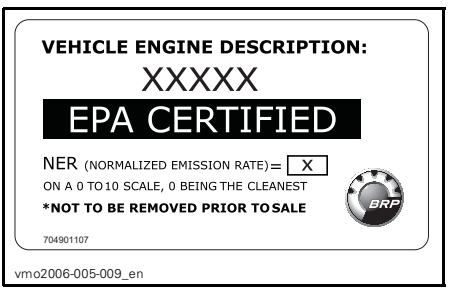
# HANG TAG

This vehicle comes with a hang tag and labels containing important safety information.

Any person who rides this vehicle should read and understand this information before riding.



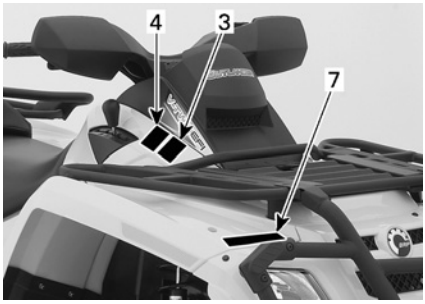

## *USA and Canada Only*



# ON-PRODUCT LABELS

The following labels are on your vehicle and they should be considered permanent parts of the vehicle. If missing or damaged, they can be replaced free of charge. See an authorized Can-Am dealer.

NOTE: The following illustrations used in this Operator's Guide are a general representation only. Your model may differ.

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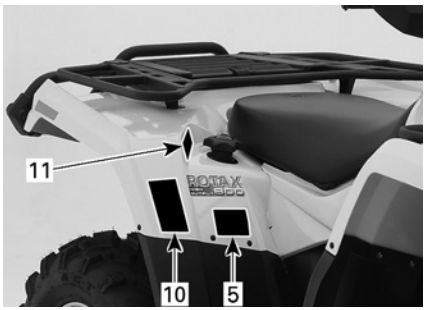


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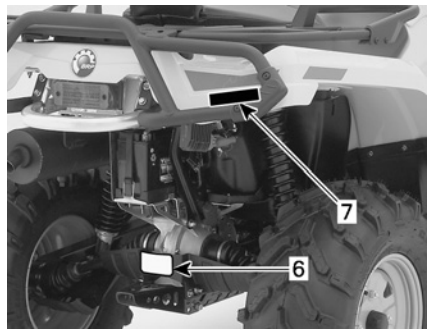


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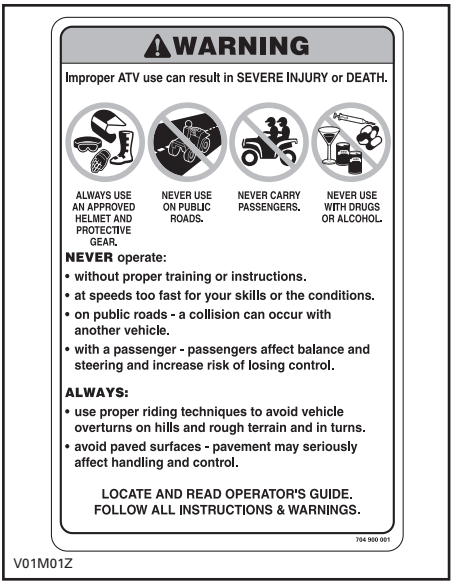


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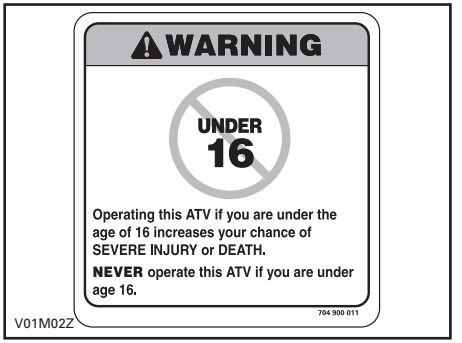


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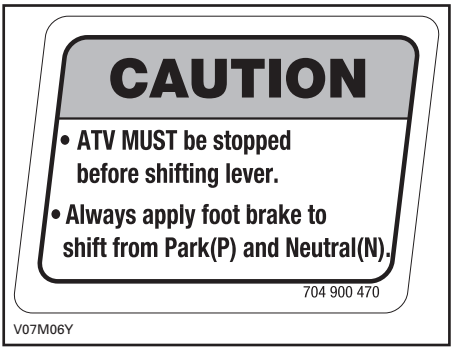
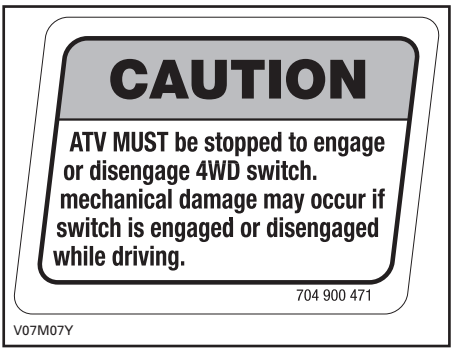
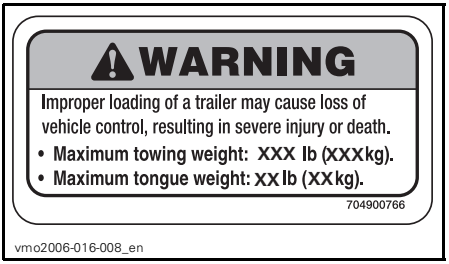



## Label 4



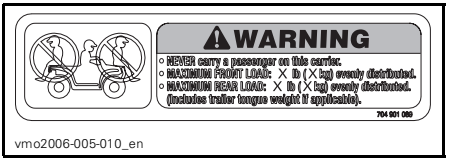

## Label 5

## Label 6



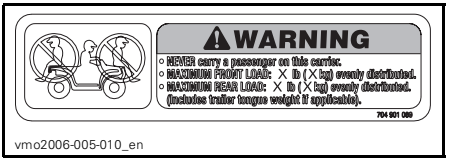

## Label 7

### *USA and Canada Models*



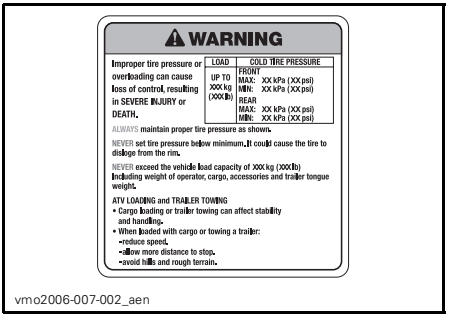

*FRONT AND REAR FENDER*

### *International Models*

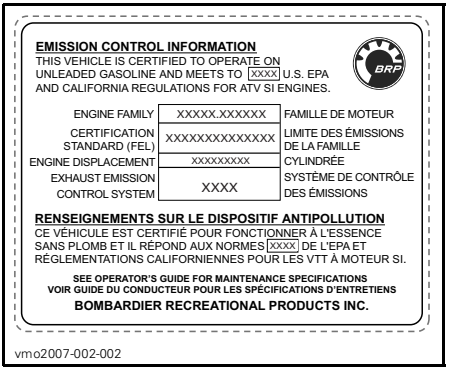



*FRONT FENDER ONLY*

## Label 8



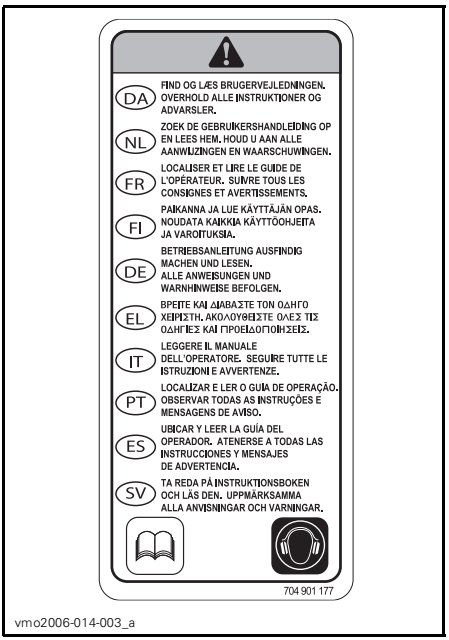

## Label 9




*LOCATED UNDER SEAT ON THE UPPER BAR OF FRAME*

## *International Models Only*

### Label 10

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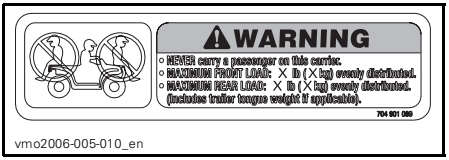
### Label 11

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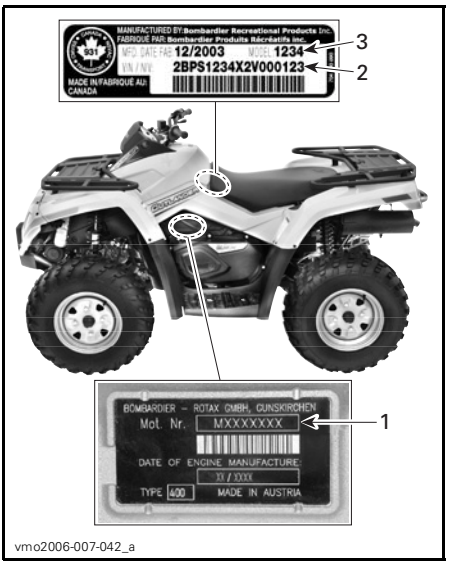
*REAR FENDER ONLY*

# *VEHICLE INFORMATION*

# HOW TO IDENTIFY YOUR VEHICLE

The main components of your vehicle (engine and frame) are identified by different serial numbers. It may sometimes become necessary to locate these numbers for warranty purposes or to trace your vehicle in the event of loss. These numbers are required by the authorized Can-Am dealer to complete warranty claims properly. No warranty will be allowed by BRP Inc. if the engine identification number (EIN) or vehicle identification number (VIN) is removed or mutilated in any way. We strongly recommend that you take note of all the serial numbers on your vehicle and supply them to your insurance company.

## Engine and Vehicle Identification Number Location




*TYPICAL*

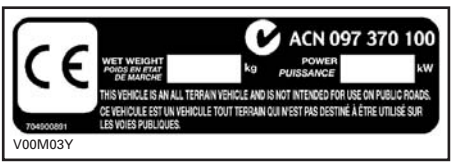
1. *EIN (Engine Identification Number)*
2. *VIN (Vehicle Identification Number)*
3. *Model*

## Compliance Label

This label indicates vehicle's compliance in many countries.

| LABEL LOCATION | |
|---|---|
| Outlander Series | Under seat, on the upper bar of frame. |

*USA AND CANADA*




*OTHER COUNTRIES IN THE WORLD*

# NOISE EMISSION CONTROL SYSTEM REGULATION

***USA and Canada Only***

## Tampering with Noise Control System Is Prohibited!

U.S. Federal law and Canadian provincial laws may prohibit the following acts or the causing there of:

1. The removal or rendering inoperative by any person other than for purposes of maintenance, repair or replacement of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use or
2. The use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

## Among those Acts Presumed to Constitute Tampering Are the Acts Listed Below:

1. Removal or alteration or the puncturing of the muffler or any engine component which conducts removal of engine exhaust gases.
2. Removal or alteration or the puncturing of any part of the intake system.
3. Replacing any moving parts of the vehicle or parts of the exhaust or intake system, with parts other than those specified by the manufacturer.
4. Lack of proper maintenance.

# EMISSION REQUIREMENTS

### *USA Only*

The California Air Resources Board (CARB) requires that your vehicle comply with applicable exhaust emissions standards during its useful life, when operated and maintained according to the instructions supplied.

A non-compliance Red Label (as well as a Green Label) is obtained annually during California Vehicle registration. The appropriate label is denoted by the vehicle identification number (in the 8th character detailed herein).

| VEHICLE CATEGORY | VIN 8TH CHARACTER |
|---|---|
| Non-complying Red Label | Must denote a C or 3 |
| Complying Green Label | Any alphanumeric designation other than a C or 3 |

# BREAK-IN PERIOD

## Engine

A break-in period of 10 operating hours is required before running the vehicle at sustained full throttle.

**CAUTION:** Never mix oil with fuel. This vehicle has a 4-stroke engine. Oil must be added to engine base only.

During this period, maximum throttle should not exceed 3/4. However, brief full acceleration and speed variations contribute to a good break-in. Continued wide open throttle accelerations, prolonged cruising speeds and engine overheating are detrimental during the break-in period.

## Belt

A new belt requires a break-in period of 50 km (30 miles). Avoid strong acceleration/deceleration, pulling a load or high speed cruising.

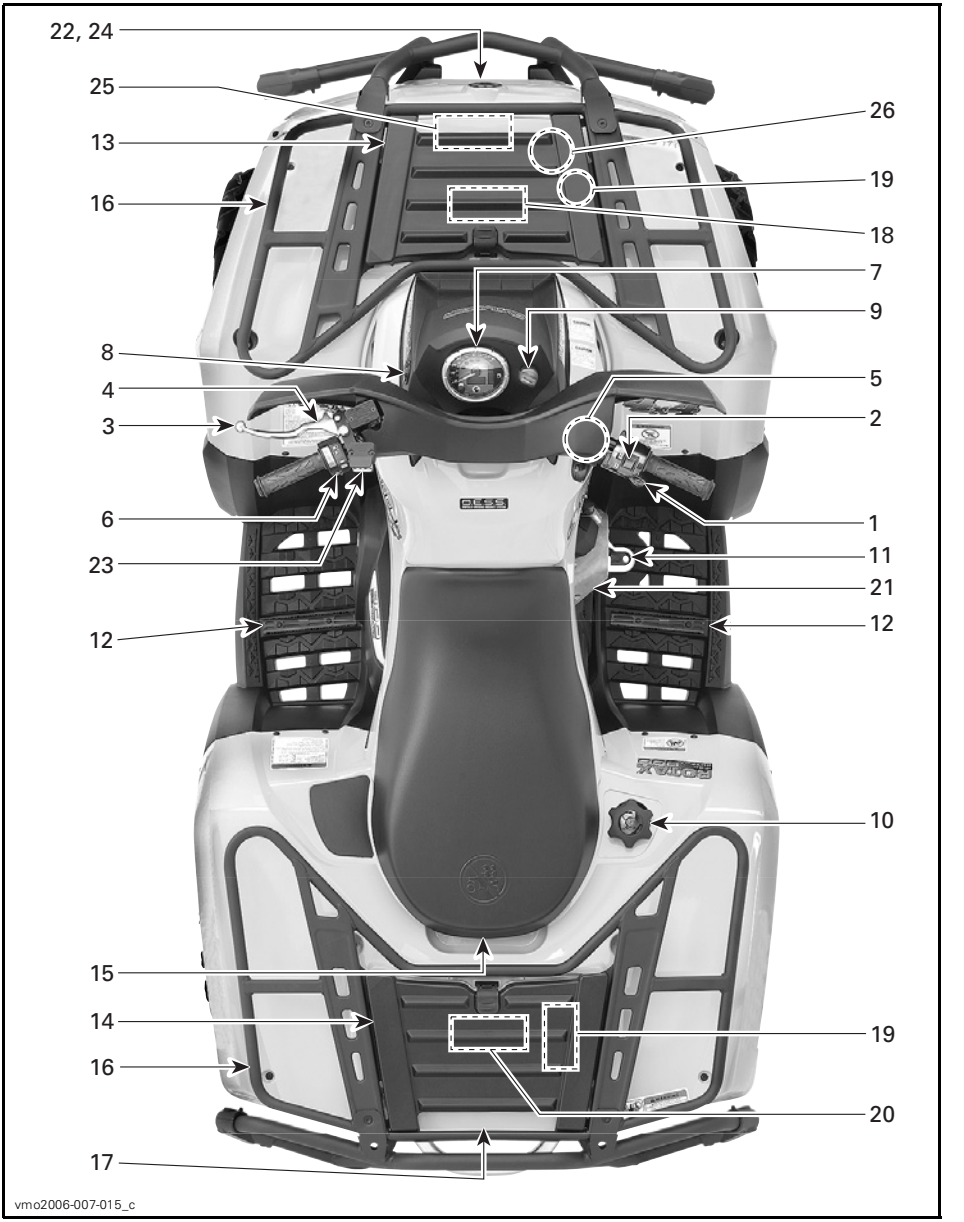
## 10-Hour Inspection

NOTE: The 10-hour inspection is at the expense of the vehicle owner.

As with any precision piece of mechanical equipment, we suggest that after the first 10 hours, 300 km (185 mi) or 30 days after the purchase, whichever comes first, your vehicle be inspected by an authorized Can-Am dealer. This inspection will give you the opportunity to discuss the unanswered questions you may have encountered during the first hours of operation.

# CONTROLS/INSTRUMENTS/EQUIPMENT

NOTE: Some controls/instruments/equipment are optional.



While reading this Operator's Guide, remember that:

**⚠ WARNING**

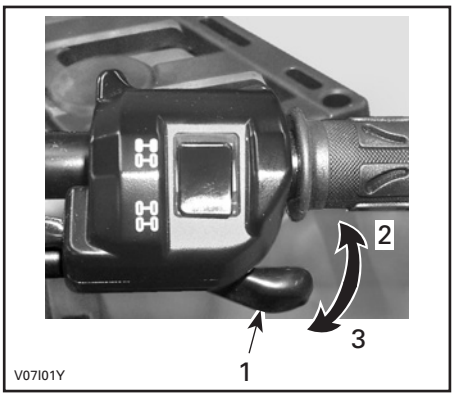
**Indicates a potential hazard that, if not avoided, could result in serious injury or death.**

NOTE: This section gives basic functions of the various controls of your vehicle. For more details of how to operate one control in conjunction with some others, refer to *OPERATING INSTRUCTIONS* further in this section.

## 1) Throttle Lever

When pushed, it increases the engine speed that allows the engagement of the transmission on the selected gear.

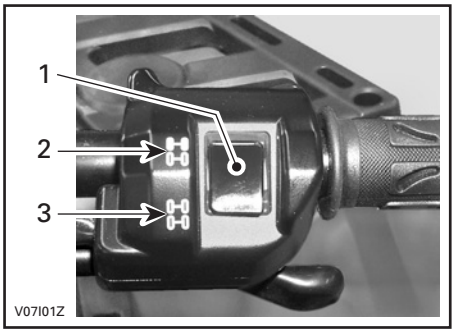
When released, the engine speed should return automatically to idle and the vehicle will gradually slow down.




*TYPICAL*
1. *Throttle lever*
2. *To accelerate*
3. *To decelerate*

## 2) 2WD/4WD Selector

This selector allow to choose between 2WD or 4WD.

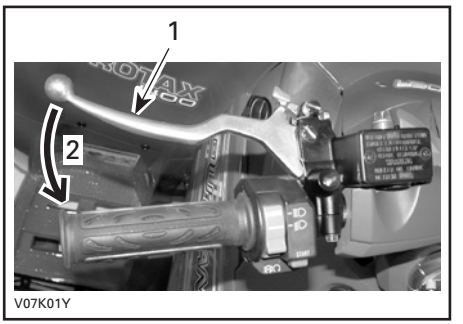



*TYPICAL*
1. *Selector*
2. *2WD position*
3. *4WD position*

## 3) Brake Lever

When the brake lever is compressed, the front and rear brakes are applied. When released, the brake lever should automatically return to its original position. Braking effect is proportional to the force applied on the lever and to the type and condition of the terrain.

NOTE: As on other wheeled vehicles, the vehicle weight is transferred to the front wheels when braking. To obtain greater stopping efficiency, the brake system distributes more braking force to the front wheels. This will affect vehicle handling and steering control when braking vigorously. Take it into account when braking.




*TYPICAL*
1. *Brake lever*
2. *To apply brakes*

## 4) Parking Brake

When applied, it prevents the vehicle from moving. Useful when the brake needs to be locked for example when doing a K-turn, during transportation or when the vehicle is not in operation.

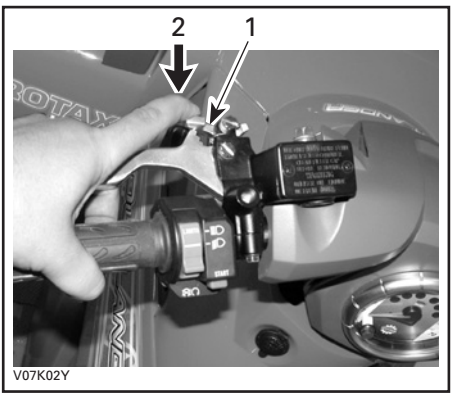
**⚠ WARNING**

Always use the parking brake **and** engage the PARK position on the transmission lever when the vehicle is not in operation.

**⚠ WARNING**

Make sure parking brake is fully disengaged before operating the vehicle.
When you ride the vehicle, brakes that are caused to drag by a continuous pressure on the lever may cause damage to the brake system and cause loss of braking capacity and/or fire.

To engage mechanism: Squeeze brake lever and maintain while moving lever lock. Brake lever is now compressed and applying all brakes.




*TYPICAL*
1. *Brake lever lock*
2. *Press to apply parking brakes*

To release mechanism: Squeeze brake lever. Lever lock should automatically return to its original position. Brake lever should return to rest position. Always release parking brake before riding.

## 5) Transmission Lever

A 5-position lever: P, R, N, H and L.

To change the transmission position, completely stop vehicle then move lever to the desired position. Do not force lever. If unable to shift, rock the vehicle back and forth to move the gears in the transmission and try again.

*SHIFT PATTERN*

**CAUTION:** Always completely stop the vehicle and apply the brake prior to moving the transmission lever.

P: Park

This position locks the transmission to help prevent vehicle movement. Always use when the vehicle is not in operation. In some circumstances, it may be necessary to rock the vehicle back and forth to move the gears in the transmission to allow the park to be engaged.

R: Reverse

This allows the vehicle to go backward. The vehicle speed is limited.

**⚠ WARNING**

**Before moving vehicle in reverse, ensure the path behind is clear of obstacles or bystanders. Remain seated.**

N: Neutral

This position disengages the transmission to allow manual vehicle movement.

H: High gear

This selects the high speed range of the transmission in the gear box. It is the normal driving speed range. It allows the vehicle to reach its maximum speed.

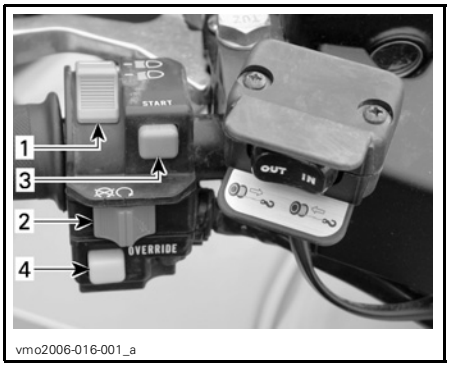
L: Low gear

This selects the low speed range of the transmission in the gear box. It is the working position. It allows the vehicle to move slowly with the maximum traction and power.

NOTE: Use the low speed range to pull any load or to climb a steep incline.

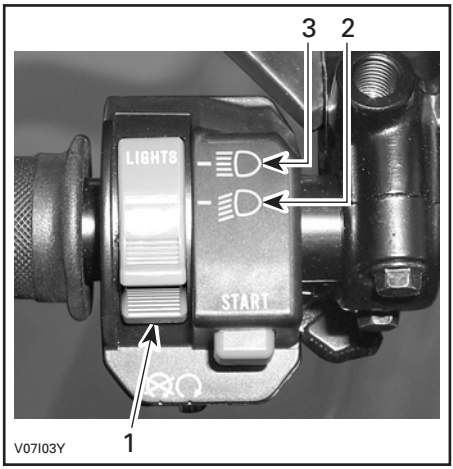
## 6) Multi-Function Switch

The controls located on this multi-function switch are:



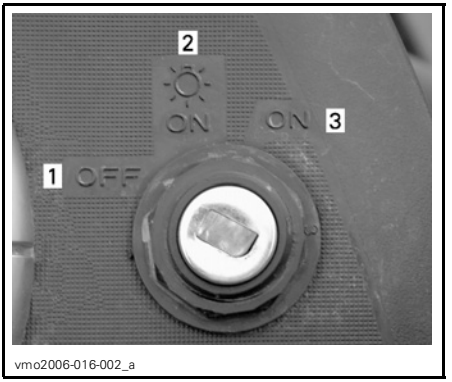

*TYPICAL — MULTI-FUNCTION SWITCH*
1. *Headlamp switch*
2. *Engine stop switch*
3. *Engine start button*
4. *Override button*

### Headlamp Switch




*HEADLAMP SWITCH FUNCTIONS*
1. *Headlamp switch*
2. *Low beam and taillight*
3. *High beam and taillight*

NOTE: Place ignition switch to ON "without light" position to close the headlamp.



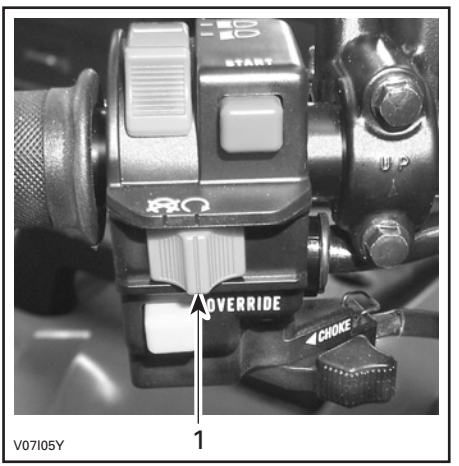

*IGNITION SWITCH POSITIONS*
1. *OFF*
2. *ON "with light"*
3. *ON "without light"*

## Engine Stop Switch

This switch can be used to stop engine and as an emergency control.

To stop engine, fully release throttle lever then use the engine stop switch.

NOTE: While engine can be stopped by turning ignition key to OFF position, we recommend the engine be stopped by the engine stop switch.

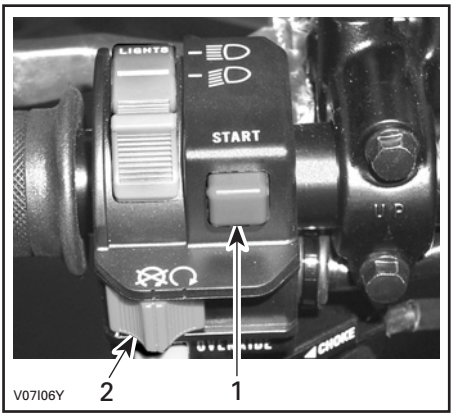



*TYPICAL*
1. *Engine stop switch*

## Engine Start Button

To start engine, place the engine stop switch to RUN.

Press and hold the engine start button. Release immediately after engine is started.




*TYPICAL*
1. *Engine start button*
2. *Engine stop switch*

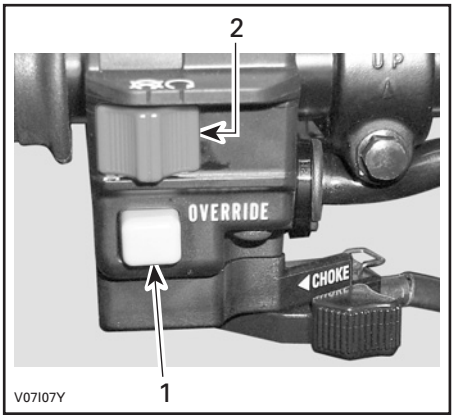
NOTE: The engine will not turn over if the engine stop switch is turned to the OFF position.

## Override Button

This button is used to override the reverse speed limiter system while power backing up. Press and hold the override button then depress throttle lever gradually.

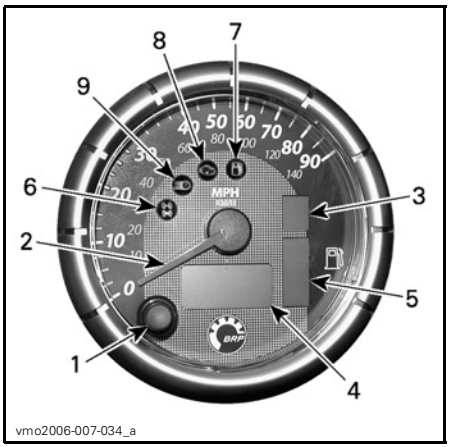
**⚠ WARNING**

Never activate the override button if throttle lever is already depressed as a loss of control may result, causing severe personal injury or death.




*TYPICAL*
1. *Override button*
2. *Engine stop switch*

## 7) Speedometer



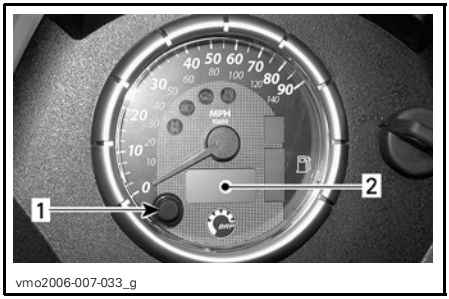

*TYPICAL*
1. *Display selector button*
2. *Pointer mode display*
3. *Transmission position display*
4. *Multi-function display*
5. *Fuel level display*
6. *4WD indicator lamp*
7. *Low fuel level indicator lamp*
8. *Check engine indicator lamp*
9. *High beam indicator lamp*

### Unit Selection (MPH vs km/h)

The speedometer, odometer and trip meter are factory preset in miles but it is possible to change them to kilometer reading. Contact an authorized Can-Am dealer.

### Display Selector Button

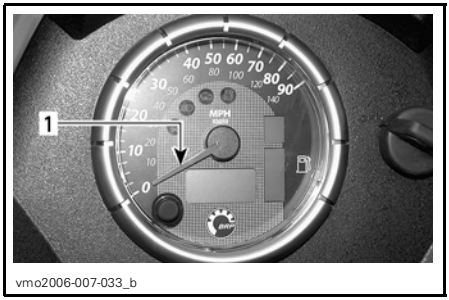
Use selector button to change multi-function display to the desired mode:
- odometer
- trip meter (resetable)
- hour meter (resetable)
- vehicle hour meter
- speed or RPM mode.




1. *Selector button*
2. *Multi-function display*

### Pointer Mode Display

The speedometer pointer as two modes, it can show vehicle speed or engine revolution per minute.




1. *Pointer*

To change pointer from one mode to the other do the following:

– change speedometer multi-function display to the odometer (ODO) mode
– push and HOLD display selector button for 2 seconds to change mode.

### Speed Mode

In this mode, the pointer indicates the speed of the vehicle.

The speedometer measures speed from 0 to 140 km/h and 0 to 90 MPH.

### RPM Mode

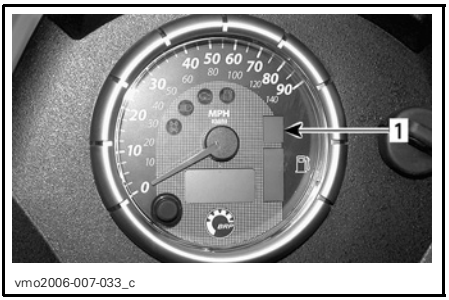
In this mode, the pointer indicates engine RPM.

The speedometer measures engine RPM from 0 to 9000 RPM.

NOTE: In the RPM mode, the vehicle speed will be automatically displayed in the multi-function display once the vehicle moves over 10 km/h or 6 MPH.

## Transmission Position Display

This display will show transmission position.



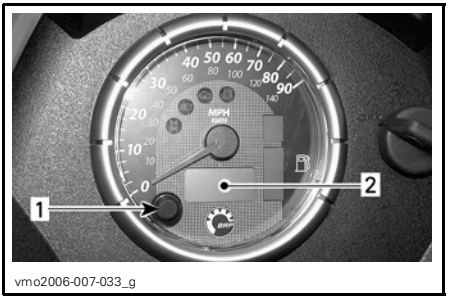

*1. Transmission position*

| DISPLAY | FUNCTION |
|---|---|
| P | Park |
| N | Neutral |
| R | Reverse |
| H | High Gear |
| L | Low Gear |

NOTE: If the letter "E" is displayed in the transmission position display, it means that there is a electrical communication error. Contact an authorized Can-Am dealer.

## Multi-Function Display

NOTE: Use the selector button to change display to the desired mode.




*1. Selector button*
*2. Multi-function display*

### Odometer (ODO)

Odometer records the total distance travelled either in miles or kilometers.

### Trip Meter (TRIP)

The trip meter records distance travelled since it has been reset. Distance travelled is displayed either in miles or kilometers.

It can be used to establish a fuel tank range or distance between 2 way points for instance.

Push and HOLD display selection button for 2 seconds to reset the trip meter.

### Hour Meter (TRIP TIME)

The hour meter records vehicle running time when the electrical system is activated. It can be used to establish traveling time between 2 way points for instance.

Push and HOLD display selection button for 2 seconds to reset the hour meter.

### Hour Meter (ENGINE HOURS)

The hour meter records engine running time.

### Speed/RPM

In the RPM mode, vehicle speed will be automatically displayed once the vehicle moves over 10 km/h or 6 MPH.

In the speed mode, display will show engine RPM from 0 to 9000 RPM.

## Multi-Function Display Messages

| MESSAGE | DESCRIPTION |
|---|---|
| X 100 RPM | When the speedometer is in SPEED MODE, multi-function display will show "X 100 RPM" if the Speed/RPM mode is selected. |
| INVALID KEY | Indicates that you have used the wrong ignition key, use the proper key for this vehicle.<br>It is also possible that the ignition key has a bad contact, remove and clean key. |
| PARK BRAKE | Is displayed when parking brake is applied for more than 15 seconds (while riding). |
| LO BATT | Low battery voltage, check battery voltage and charging system. |
| HI BATT | High battery voltage, check battery voltage and charging system. |
| LOW OIL (1) | Engine low oil pressure, stop engine immediately and check oil level. |
| HI TEMP (2) | Engine is overheating, refer to *ENGINE OVERHEAT* in *TROUBLESHOOTING*. |
| LIMP HOME | Serious fault on the engine that can change the normal operation of the engine, check engine indicator lamp will also blink, refer to *TROUBLESHOOTING* for more details. |
| CHECK ENGINE | Engine fault, check engine indicator lamp will also be ON, refer to *TROUBLESHOOTING* for more details. |
| MAINTENANCE SOON (3) | Periodic maintenance required. See an authorized Can-Am dealer. |
| NO ECM COMMUNICATION | Communication error between speedometer and engine control module (ECM), contact an authorized Can-Am dealer. |

**CAUTION:** (1) If the light does not turn off right after engine starting, stop engine. Check engine oil level. Refill if necessary. If the oil level is good, see an authorized Can-Am dealer. Do not use the vehicle until repaired.

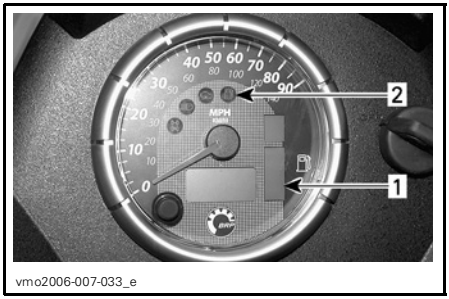
**CAUTION:** (2) If the light does not turn off right after engine starting, stop engine. See an authorized Can-Am dealer. Do not use the vehicle until repaired.

(3) Message must be erased by an authorized Can-Am dealer.

### Fuel Level Display

Bar gauge continuously indicates the amount of fuel in the fuel tank while riding.

When the low fuel indicator lamp is ON, it indicates that there is only 30% of fuel left in fuel tank, approximately 6 L (1.6 U.S. gal).



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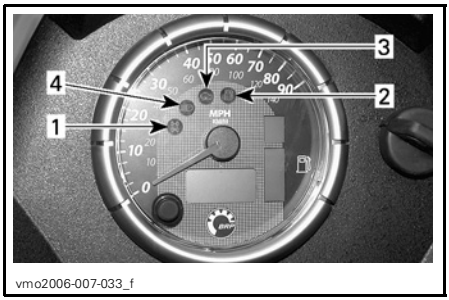
*1. Fuel level display*
*2. Low fuel indicator lamp*

### Indicator Lamps



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*1. 4WD indicator lamp*
*2. Low fuel level indicator lamp*
*3. Check engine indicator lamp*
*4. High beam indicator lamp*

When this indicator is ON, it indicates the 4WD system is activated.

When this indicator is ON, it indicates that there is only 30% of fuel left in fuel tank, approximately 6 L (1.6 U.S. gal).

When this indicator is ON, it indicates an engine fault code, look for message in multi-function display.
When this indicator blinkes, it indicates that the LIMP HOME mode is activated, refer to *TROUBLESHOOTING* for more details.

When this indicator is ON, it indicates high intensity is selected on the headlamps and ignition key is in LIGHTS position.

## 8) 12-Volt Power Outlet

Convenient for handheld spotlight or other portable equipment.

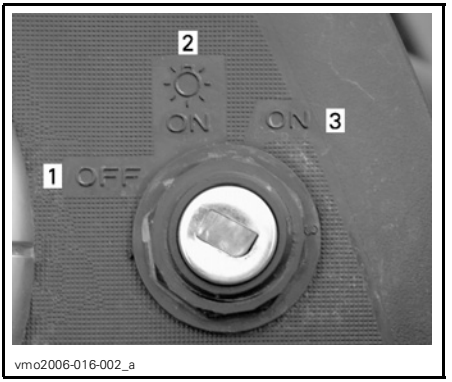
Remove protective cap to use. Always reinstall it after use to protect against weather.

Do not exceed the rating capacity. See *SPECIFICATIONS*.

An auxiliary supply is available to connect additional accessories. Two wires are hidden in the wiring harness at the front of vehicle underneath dash board. See an authorized Can-Am dealer for more details.

## 9) Ignition Switch

Key-operated 3-position switch.




*IGNITION SWITCH POSITIONS*
1. *OFF*
2. *ON "with light"*
3. *ON "without light"*

Insert key in switch and turn to the desired position. To remove key, turn key to OFF position then pull it out.

NOTE: When turning the key to OFF position and removing the key, the vehicle electrical system will take a few seconds to shut down.

The ON with lights position, turns on all lights with either the engine running or not. Remember that having the lights on without the engine running discharges the battery. Always turn ignition key to OFF position after engine has been stopped.

NOTE: While engine can be stopped by turning ignition key to OFF position, we recommend the engine be stopped by the engine stop switch.

### Digitally Encoded Security System (DESS™)

The ignition key specifically contains an electronic circuit that gives it a unique electronic serial number.

This ignition key cannot be used on another vehicle and conversely, the one from another vehicle cannot be used on your vehicle except if it was programmed this way.

However, the DESS brings a great flexibility. You can buy an additional ignition key and have it programmed for your vehicle.

To have additional ignition key, refer to an authorized Can-Am dealer.

## 10) Fuel Tank Cap

**CAUTION:** Never place anything over fuel tank cap because the vent hole on the top of fuel tank cap can be blocked and the engine could misfire.

Unscrew counterclockwise and remove cap to allow fuel tank filling then fully tighten clockwise.

**⚠ WARNING**

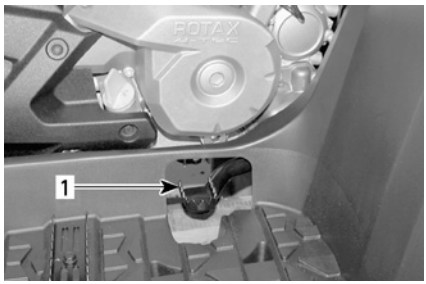
Always stop engine before refueling. Open cap slowly. If a differential pressure condition is noticed (whistling sound heard when loosening fuel tank cap) have vehicle inspected and/or repaired before further operation. Fuel is flammable and explosive under certain conditions. Never use an open flame to check fuel level. Never smoke or allow flame or spark in vicinity. Always work in a well-ventilated area. Never top up the fuel tank before placing the vehicle in a warm area. As temperature increases, fuel expands and may overflow. Always wipe off any fuel spillage from the vehicle.

## 11) Brake Pedal

When pressed down, the rear brake is applied. When released, the brake pedal should return to its original position. Braking effect is proportional to the force applied on the pedal and to the type and condition of the terrain.

NOTE: The brake will have also an effect on front wheels through the drive train.

The brake pedal applies the rear brake only. Should the front brakes system fail, the rear brake can be activated by depressing the brake pedal.

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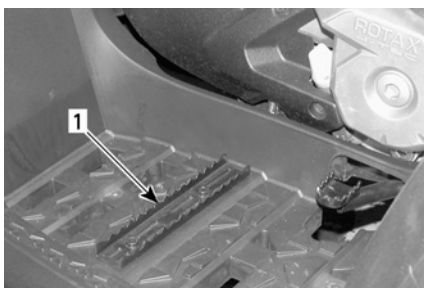
*1. Brake pedal*

## 12) Footpeg

Use this area to keep your feet stable.

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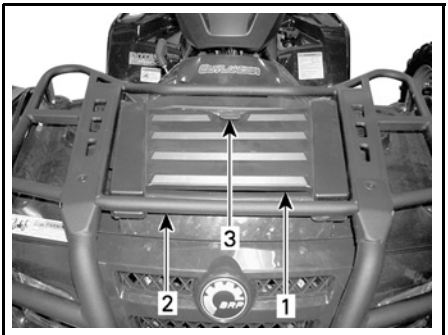
*1. Footpeg*

## 13) Access Panel

To open the panel, unlatch, lift then remove it completely.

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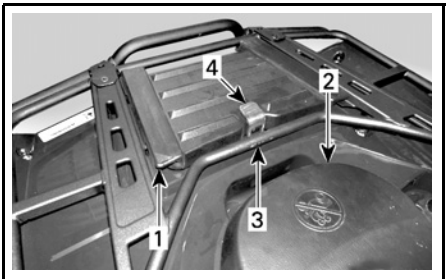
*TYPICAL*
*1. Access panel*
*2. Front racks*
*3. Latch*

This panel allows an easier access to the service compartment. The service compartment contains different maintenance items like rear brake fluid reservoir, radiator cap, coolant reservoir and fuse holders.

## 14) Rear Storage Compartment

Convenient location to carry personal articles such as a spare spark plugs, first aid kit, etc. Unlatch cover, gently lift then remove cover.

The compartment is equipped with a drain plug. Remove plug to allow draining when necessary. Reinstall plug when finished.

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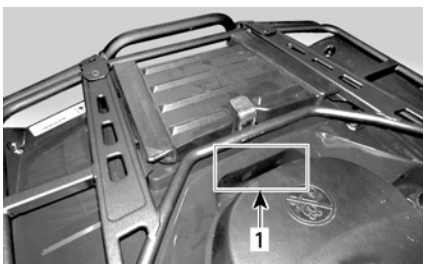
*1. Rear storage compartment cover*
*2. Seat*
*3. Rear racks*
*4. Latch*

## ⚠ WARNING

When engine is running, always engage the PARK position on the transmission lever before opening cover. Never leave any heavy or loose breakable objects in the storage basket. Always latch cover before riding. If storage cover is removed to provide greater carrying area, ensure that cargo is secured and will not "fly out" when riding at speed on rough terrain. Slow down.

## 15) Seat Latch

It allows the removal of seat to give access to engine compartment.




*1. Seat latch*

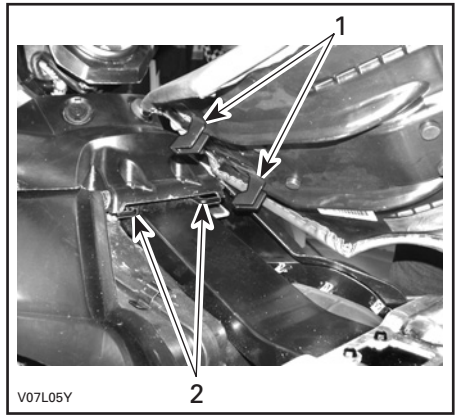
### Seat Removal

Push latch forward while gently lifting rear of seat. Pull seat rearward. Continue lifting movement until you can release the front retaining device then completely remove seat.

### Seat Installation

Insert front tabs of seat into frame hook. When seat rests in its position, firmly push seat down to latch.

NOTE: A distinctive snap will be felt. Double check that the seat is secure by giving it a tug to confirm proper latching.




*1. Insert these tabs in hooks*
*2. Hooks*

## ⚠ WARNING

Make sure seat is securely latched before riding.

## 16) Cargo Racks

Convenient racks to carry gear.

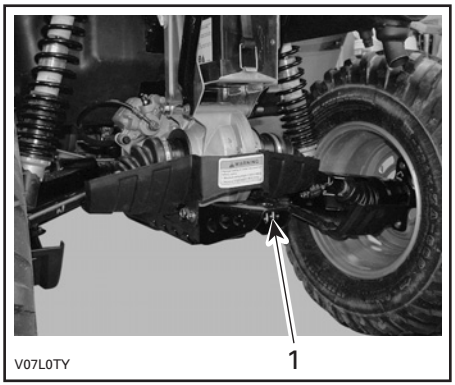
## ⚠ WARNING

Ensure to properly secure material to racks. Do not overload. Ensure load does not interfere with visibility and/or steering. Do not carry passenger(s).

Refer to *SPECIFICATIONS* for carrying loads and cargo weight distribution recommendations.

## 17) Trailer Hitch

Convenient hitch to install a ball to tow a trailer or other equipment. Install the proper ball size as per trailer manufacturer recommendations. Refer to *SPECIFICATIONS* for carrying loads and towing recommendations.




*TYPICAL*
*1. Trailer hitch*

**⚠ WARNING**

**Ensure to install the proper ball size that matches the equipment you will tow.**

NOTE: Follow manufacturer's instructions for proper attachment.

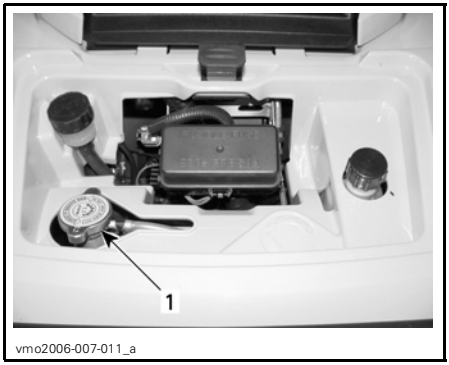
## 18) Radiator Cap

Located in service compartment, under access panel.

**⚠ WARNING**

**In order to avoid getting burned, do not remove the radiator cap when the engine is hot.**

To remove the radiator cap, press and turn it counterclockwise. Reverse the removal procedure to install.

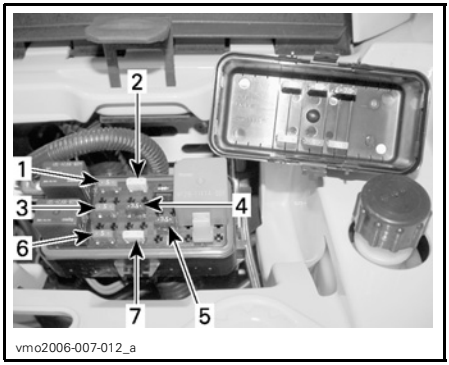



*TYPICAL*
*1. Radiator cap*

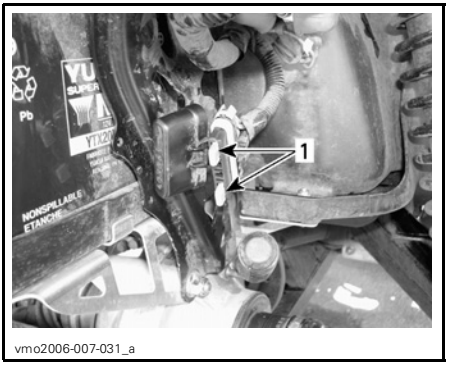
## 19) Fuses

The electrical system is protected with fuses. Refer to *MAINTENANCE* for details.

The fuse holders are located in the front service compartment and at the back near battery.




*FRONT — FUSES LOCATION*
*1. (F1) Ignition coils (5 A)*
*2. (F2) Fan (20 A)*
*3. (F3) Fuel injectors (5 A)*
*4. (F4) Speedometer/speed sensor/tail lamp (7.5 A)*
*5. (F5) Fuel pump (7.5 A)*
*6. (F6) Engine Control Module (ECM) (5 A)*
*7. (F7) Accessories (20 A)*




*REAR — FUSES LOCATION*
1. *(F8) Main (30 A)*
   *(F9) Main accessories (30 A)*

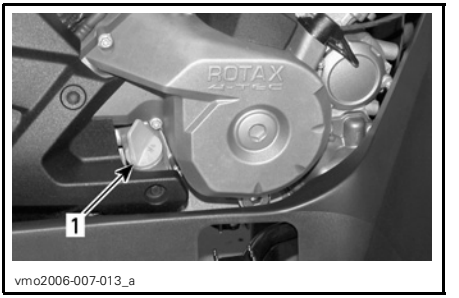
## 20) Tool Kit

The tool kit is located in the rear storage compartment. It contains tools for basic maintenance, this Operator's Guide and the *BASIC GUIDE TO WINCHING TECHNIQUES* with the XT models.

The tools included in the tool kit are:
- pliers (1)
- screwdriver (1)
- open wrench 10/13 mm (1)
- open wrench 15/17 mm (1)
- socket wrench 10/13 mm (1)
- socket wrench 16/18 mm (1)
- tire pressure gauge (1)
- shock absorber key (1)
- fuse 30 A (1)
- fuse 20 A (1)
- fuse 15 A (1).

## 21) Dipstick

Allow to check the oil level in the engine.

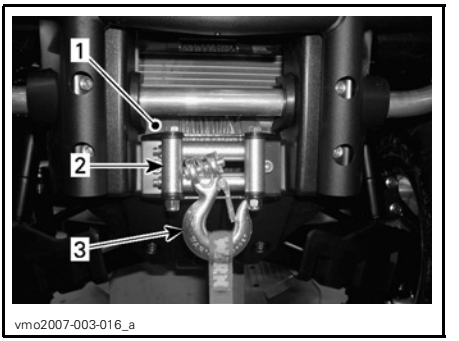



*1. Dipstick*

Refer to *LIQUID* to check the engine oil level correctly.

## 22) Winch

### *XT Models*




1. *Winch*
2. *Roller fairlead*
3. *Winch hook*

## 23) Winch Control Switch

### *XT Models*

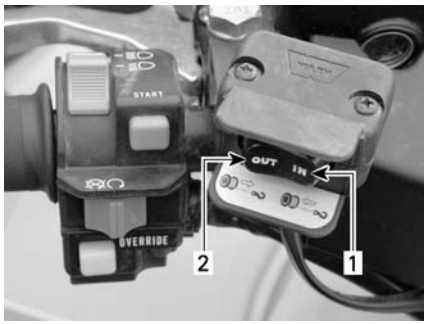
Use this switch to roll in or out wire from winch.

To take out wire from winch, press the left side of switch.

To get wire into the winch, press the right side of switch.

Refer to *BASIC GUIDE TO WINCHING TECHNIQUES* for more informations.

NOTE: A winch remote control is also provided with the vehicle to ease winch operation if necessary, refer to *WINCH REMOTE CONTROL* further in this section.



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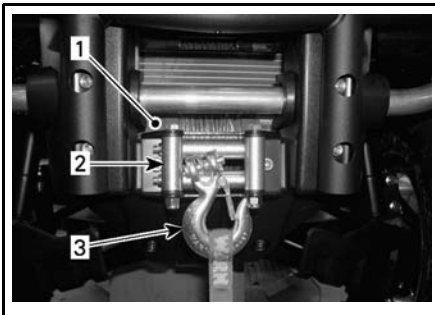
*TYPICAL*
1. *In*
2. *Out*

## 24) Roller Fairlead

### *XT Models*

The roller fairlead is used to prevent damages to the vehicle and guide the wire rope into the winch.



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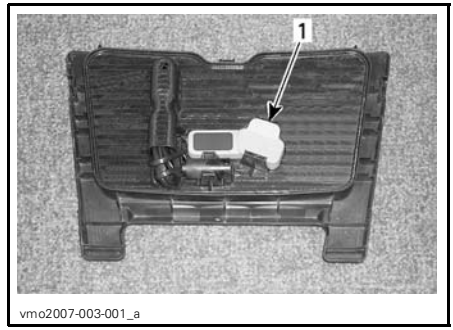
1. *Winch*
2. *Roller fairlead*
3. *Winch hook*

## 25) Winch Remote Control

### *XT Models*

A winch remote control is provided with the vehicle to ease winch operation if necessary.

The winch remote control is located in the access panel of the front service compartment.



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*FRONT ACCESS PANEL*
1. *Winch remote control*

To use the winch remote control switch instead of the handlebar control switch, connect the remote control into the provided connection of the front service compartment.

**CAUTION: Always disconnect and store the remote control when not in use.**

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*FRONT SERVICE COMPARTMENT*
1. *Remote control connection*

Refer to *BASIC GUIDE TO WINCHING TECHNIQUES* for more informations.

## 26) Winch Remote Control Connection

### *XT Models*

Connection used to plug-in winch remote control to ease winch operation if necessary.

*FRONT SERVICE COMPARTMENT*
*1. Remote control connection*

# LIQUIDS

While reading this Operator's Guide, remember that:

**⚠ WARNING**

Indicates a potential hazard that, if not avoided, could result in serious injury or death.

NOTE: This section specifies the recommended liquids and procedures to check their levels. Refer to *MAINTENANCE* for procedures to replace the liquids.

## Fuel

### Recommended Fuel

Use regular unleaded gasoline, available from most service stations or oxygenated fuel containing a maximum total of 10% of ethanol or methanol or both. The gasoline used must have the following recommended minimum octane number.

| OCTANE NUMBER | |
|---|---|
| Inside North America | (87 (R + M)/2) |
| Outside North America | 92 RON |

**CAUTION:** Never experiment with other fuels. The use of unrecommended fuel can result in vehicle performance deterioration and damage to critical parts in the fuel system and engine components.

**CAUTION:** Never mix oil with fuel. This vehicle has a 4-stroke engine. Oil must be added to engine base only.

### Fuel Level

**⚠ WARNING**

Always stop engine before refueling. Open cap slowly. If a differential pressure condition is noticed (whistling sound heard when loosening fuel tank cap) have vehicle inspected and/or repaired before further operation. Fuel is flammable and explosive under certain conditions. Never use an open flame to check fuel level. Never smoke or allow flame or spark in vicinity. Always work in a well-ventilated area. Never top up the fuel tank before placing the vehicle in a warm area. As temperature increases, fuel expands and may overflow. Always wipe off any fuel or oil spillage from the vehicle.

## Engine Oil

### Recommended Oil

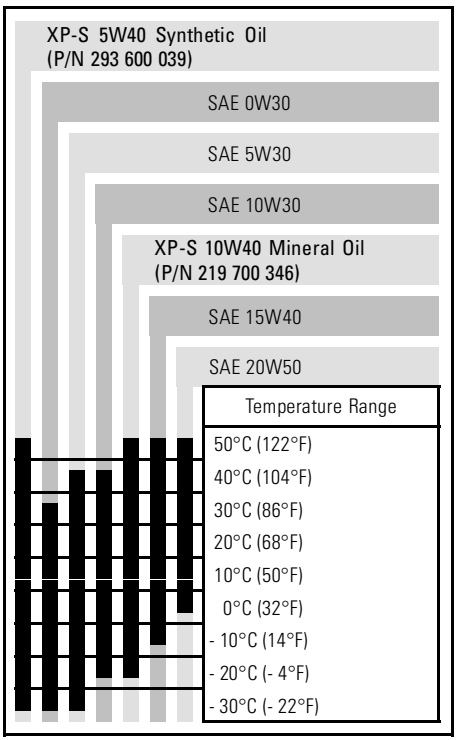
Use 4-stroke mineral-based engine oil that meets or exceeds the requirements for API service classification SM, SL or SJ. Always check the API service label certification on the oil container, it must contain at least one of the above standards.

## Oil Viscosity

SAE 5W30 mineral-based oil is recommended for all seasons.

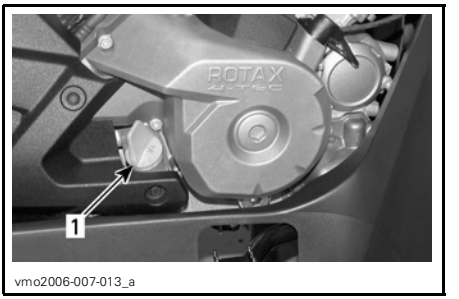
However, during the hottest days of the summer the BRP XP-S 10W40 mineral oil (P/N 219 700 346) can be used.

NOTE: For improved overall performance and all season applications, use XP-S 5W40 synthetic oil (P/N 293 600 039).




## Oil Level

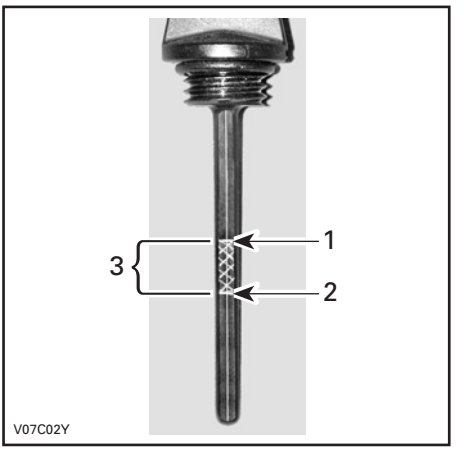
**CAUTION:** Check level frequently and refill if necessary. **Do not overfill.** Operating the engine with an improper level may severely damage engine. Wipe off any spillage.




*RH SIDE OF ENGINE*
*1. Dipstick*

With vehicle on a level surface and engine cold, not running, check the oil level as follows:

1. Unscrew dipstick then remove it and wipe clean.
2. Reinstall dipstick, screw in it completely.
3. Remove and check oil level. It should be near or equal to the upper mark.




*TYPICAL*
*1. Full*
*2. Add*
*3. Operating range*

To add oil, remove the dipstick. Place a funnel into the dipstick tube to avoid spillage.

Add a small amount of recommended oil and recheck oil level.

Repeat the above procedures until oil level reaches the dipstick's upper mark. **Do not overfill.**

Properly tighten dipstick.

## Gearbox Oil

### Recommended Oil

Use XP-S chaincase oil (P/N 413 801 900) or an equivalent.

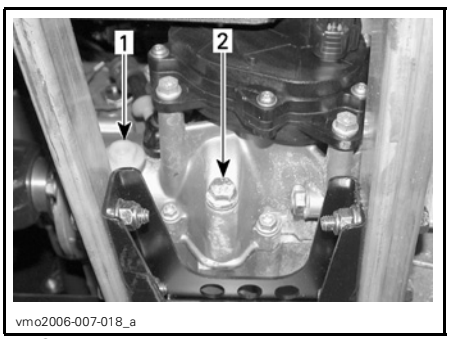
**CAUTION: Do not use unrecommended other types of oil when servicing. Do not mix with other types of oil.**

### Gearbox Oil Level

**CAUTION: Check level and refill if necessary. Do not overfill. Operating the gearbox with an improper level may severely damage gearbox. Wipe off any spillage.**

Place the vehicle on a level surface. Select NEUTRAL position then apply parking brake.

Check the gearbox oil level by removing the gearbox oil level plug.




*1. Oil level plug*
*2. Oil drain plug*

The oil should be level with the bottom of the oil level hole. Refill as required until gearbox oil level flows through oil level hole.

To change gearbox oil, refer to *MAINTENANCE* section.

## Engine Coolant

### Recommended Coolant

Always use ethylene-glycol antifreeze containing corrosion inhibitors specifically for internal combustion aluminum engines.

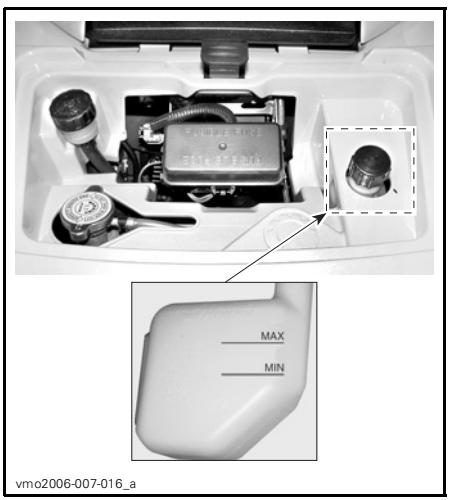
Cooling system must be filled with BRP premixed coolant (P/N 219 700 362) or with distilled water and antifreeze solution (50% distilled water, 50% antifreeze).

### Coolant Level

**⚠ WARNING**

**Check coolant level with engine cold. Never add coolant in cooling system when engine is hot.**

Remove access panel.




With vehicle on a level surface, liquid should be between MIN. and MAX. level marks of coolant reservoir.

NOTE: When checking level at temperature lower than 20°C (68°F), it may be slightly lower than MIN. mark.

Add coolant up to MAX. mark if required. Use a funnel to avoid spillage. Do not overfill.

Properly reinstall and tighten filler cap and reinstall access panel.

If the coolant is added in the coolant reservoir, check the level in the radiator too. Add coolant if necessary.

**⚠ WARNING**

**In order to avoid getting burned, do not remove the radiator cap if the engine is hot.**

NOTE: A cooling system that frequently requires coolant is the indication of leaks or engine problems. See an authorized Can-Am dealer.

### Coolant Replacement

Refer to *MAINTENANCE* section.

## Brake Fluid

### Recommended Fluid

Always use brake fluid meeting the specification DOT 4 only.

**CAUTION: To avoid serious damage to the braking system, do not use fluids other than the recommended one, nor mix different fluids for topping up.**

### Fluid Level

With vehicle on a level surface, check brake fluid in reservoirs for proper level. They should be above MIN. mark.

Add fluid as required. Do not overfill.

Clean filler cap before removing.

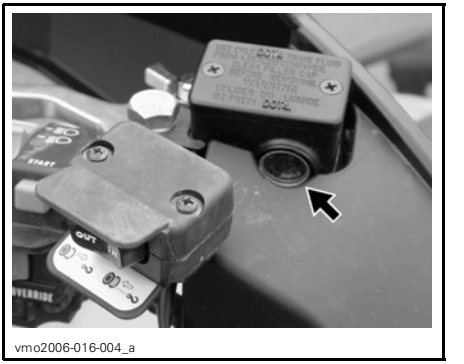
**CAUTION: Use only DOT 4 brake fluid from a sealed container. Do not use brake fluid taken from old or already opened containers.**

NOTE: A low level may indicate leaks or worn brake pads. See an authorized Can-Am dealer.

### Brake Lever Fluid Reservoir

Turn steering in the straight-ahead position to ensure reservoir is level. Check the brake fluid level, the reservoir is full when the fluid reaches of the top of window.

Visually inspect lever boot condition. Check for cracks, tears, etc. Replace if damaged.




*TYPICAL*

### Brake Pedal Fluid Reservoir

## Battery

This vehicle is equipped with a dry type battery that requires no maintenance.

Refer to *MAINTENANCE* for removal/installation instructions.

While reading this Operator's Guide, remember that:

**⚠ WARNING**

Indicates a potential hazard that, if not avoided, could result in serious injury or death.

# OPERATING INSTRUCTIONS

## General

The transmission lever must be on PARK or NEUTRAL to allow engine to start.

NOTE: For your convenience, an override mode allows the engine to be started with the transmission lever in any position. Press and hold the brake lever or the brake pedal while pressing the engine start button.

To start the engine, place the engine stop switch to RUN, insert the key in the ignition switch and turn to ON position, then press the engine start button.

## Pre-Operation Check

**⚠ WARNING**

**The pre-operation check is very important prior to operating the vehicle. Always check the proper operation of critical controls, safety features and mechanical components before starting. If not done as specified here, severe injury or death might occur.**

Before using this vehicle, the operator should always:

- Apply parking brake and check if it operates properly.
- Check tire pressure and condition.
- Check wheels and bearings for wear and damage.
- Check location of controls and ensure they work properly.
- Verify if steering operates freely.
- Activate throttle control lever several times to ensure it operates freely. It must return to idle position when released.
- Activate the brake lever and brake pedal to make sure the brakes fully apply. Lever and pedal must fully return when released.
- Ensure transmission lever is working then reset in PARK position.
- Check fuel, oil and coolant levels.
- Check for oil leaks on the engine/transmission and drive train components.
- Clean headlamps and taillight.
- Ensure front access compartment cover and rear storage compartment cover are properly latched.
- Ensure seat is properly latched.
- If you transport cargo, respect load capacity. Ensure cargo is properly secured to the racks.
- If you are pulling a trailer or other equipment, ensure it respects the tongue capacity and towing capacity. Ensure trailer is properly secured to hitch.
- Look and feel for loose parts while engine is off. Check fasteners.
- Ensure the path of travel is free of persons and obstacles.
- Check operation of ignition switch, engine start button, engine stop switch, headlamps, taillight and indicator lights.
- Start engine and drive forward slowly a few feet and apply all brakes individually to test them.
- Check operation of 2WD/4WD selector.

**Correct any problem you may have found before riding. See an authorized Can-Am dealer as necessary.**

## Starting the Engine

Insert key in ignition switch and turn to ON position.

Place the engine stop switch to RUN.

Press the engine start button and hold until the engine starts.

**CAUTION: Do not hold the engine start button more than 30 seconds. A rest period should be observed between the cranking cycles to let the starter cool down. Pay attention not to discharge the battery.**

Release the engine start button immediately when the engine has started.

NOTE: If the battery is dead, engine cannot be started. Have the battery recharged or replaced.

## Shifting the Transmission

Let engine idle to warm up.

Apply brakes and select the desired gear range H or L.

NOTE: The brake must be applied when the transmission lever is engaged in the park position.

Release brakes.

**CAUTION: Make sure parking brake is fully disengaged before operating the vehicle.**

Gradually press the throttle lever to increase engine speed and thus engaging the continuously variable transmission (CVT).

At the opposite, when the throttle lever is released, the engine speed decreases.

### Using the Reverse

**CAUTION: When changing from forward to reverse, or vice-versa, always completely stop the vehicle and apply the brake prior to moving the transmission lever.**

The same procedures as *SHIFTING THE TRANSMISSION* above apply except for the following.

Set the transmission lever in REVERSE position.

## 2WD/4WD Selector

The 4WD mode may be selected or deselected when the vehicle is stopped.

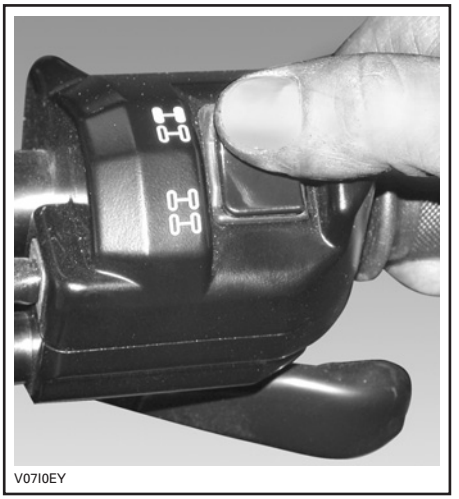
**CAUTION: The vehicle must be stopped to engage or disengage 2WD/4WD selector. Mechanical damage may occur if selector is engaged or disengaged while driving.**

**CAUTION: If the rear wheels are spinning, release the throttle and wait engine return to the idle before selecting the 4WD mode.**

The 4WD mode is engaged when the selector is pushed downwards.

*4WD MODE*

To deselect the 4WD mode, press the selector on 2WD.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*2WD MODE*

When the selector is located on the 2WD, the vehicle is in 2 wheel drive at all time.

## Winch Operation

### *XT Models*

See the *BASIC GUIDE TO WINCHING TECHNIQUES*. This manual should be kept in the tool kit and remain in the vehicle at all times.

## Stopping the Engine

**⚠ WARNING**

**Avoid parking on slope.**

Release throttle and completely stop the vehicle.

Apply the parking brake.

Set transmission lever in PARK position.

Push the engine stop switch in OFF position.

Turn key in ignition switch to OFF position.

Remove key from ignition switch.

## Post-Operation Care

When vehicle is used in salt-water environment (beach area, launching/loading boats etc.), rinsing the vehicle with fresh water is necessary to preserve vehicle and its components. Metallic parts lubrication is highly recommended. Use XP-S Lube (P/N 293 600 016) or an equivalent. This must be performed at the end of each operating day.

When vehicle is operated in muddy conditions, rinsing the vehicle is recommended to preserve vehicle and its components and to keep lights clean.

NOTE: Never use a high pressure washer to clean the vehicle. **USE LOW PRESSURE ONLY (like a garden hose).** High pressure can cause electrical or mechanical damages.

# SPECIAL PROCEDURES

## Turn Over

When vehicle is turned over or stays tilted on the side, replace the vehicle in its normal operating position (on all four wheels) and wait 3 to 5 minutes before starting engine.

Before starting engine, check engine oil level and refill if necessary. If the oil pressure light stays ON after starting engine, stop engine and see an authorized Can-Am dealer as soon as possible.

## Vehicle Immersion

Should the vehicle become immersed, it will be necessary to take it to an authorized Can-Am dealer as soon as possible. DO NOT START THE ENGINE!

**CAUTION:** Immersion of the vehicle can cause serious damage if the correct restart procedure is not followed.

# CARGO AND TRANSPORTATION

While reading this Operator's Guide, remember that:

**⚠ WARNING**

Indicates a potential hazard that, if not avoided, could result in serious injury or death.

## Cargo

**⚠ WARNING**

The vehicle handling, stability and braking distance are affected when loading racks and using the vehicle. Correct loading and weight distribution are therefore important. Never overload, tow or carry cargo improperly. Always ensure the cargo is safely secured and properly distributed on the rack(s) before operating the vehicle. Safely reduce speed according to terrain conditions when carrying cargo or pulling a trailer. Allow greater distance for breaking. Always secure cargo as low as possible on the rack(s) to reduce the effect of a higher center of gravity. Failure to follow the recommendations here could cause changes in vehicle handling which could lead to an accident resulting in severe injuries including the possibility of death.

When transporting cargo on the vehicle, respect these maximum loads.

| MAXIMUM LOADS | | |
|---|---|---|
| Total load allowed | 235 kg (517 lb) | Includes driver, all other loads and added accessories. |
| Front load | 45 kg (100 lb) | Evenly distributed. |
| Rear load | 90 kg (200 lb) | Evenly distributed.<br>Includes rear rack, rear storage box and tongue load. |

## Transportation

When transporting a vehicle, secure vehicle to trailer or in pickup box with suitable tie-downs. Using ordinary ropes is not recommended.

**⚠ WARNING**

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Never tip this vehicle on end for transporting. We recommend that you carry the vehicle in its normal operating position (on all four wheels).

Select the PARK position and set the parking brake.

Secure the vehicle by the front bumper and rear bumper.

**CAUTION:** Attaching vehicle at other locations may damage the vehicle.

Unload racks before transporting the vehicle.

### Front Location

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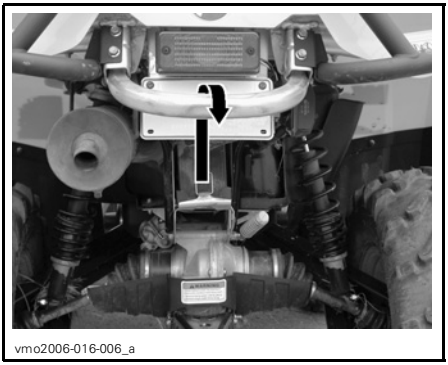
*TYPICAL*

### Rear Location



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*TYPICAL*

**⚠ WARNING**

Do not tow this vehicle behind a car or other vehicle. Use a trailer.

# TROUBLESHOOTING

## ENGINE DOES NOT TURN

**1. Ignition switch is in the OFF position.**
- *Place switch to the ON position.*

**2. Engine stop switch.**
- *Make sure that engine stop switch is in ON position.*

**3. Transmission is not set on PARK or NEUTRAL.**
- *Set transmission either in PARK or in NEUTRAL or press the brake lever.*

**4. Burnt fuse.**
- *Check main fuse condition.*

**5. Weak battery or loose connections.**
- *Check charging system fuse.*
- *Check connections and terminals condition.*
- *Have the battery checked.*
- *Contact an authorized Can-Am dealer.*

**6. Wrong ignition key, speedometer multi-function display shows INVALID KEY.**
- *Use the proper key for this vehicle.*

## ENGINE TURNS OVER BUT FAILS TO START

**1. Flooded engine (spark plug wet when removed).**
- *(Drowned mode) If the engine does not start and it is fuel-flooded, this special mode can be activated to prevent fuel injection and to cut ignition while cranking. Proceed as follows:*
  *• Insert key in ignition switch and turn to ON position.*
  *• Press completely and HOLD throttle lever.*
  *• Press the engine START button.*
  *The engine should be cranked for 20 seconds. Release engine START button.*
  *Release throttle lever and start/crank engine again to allow starting.*
  If it does not work:
  *• Clean the spark plug caps area then remove them.*
  *• Remove the spark plugs (tools are supplied in tool kit).*
  *• Crank engine several times.*
  *• Install new spark plugs if possible or clean and dry spark plugs.*
  *• Start engine as explained above.*
  *If engine continues to flood, see an authorized Can-Am dealer.*
  *NOTE: Make sure to verify that there is no fuel in engine oil, if so, replace engine oil.*

**2. No fuel to the engine (spark plug dry when removed).**
- *Check fuel tank level.*
- *A failure of the fuel pump may have occurred.*
- *Contact an authorized Can-Am dealer.*

## ENGINE TURNS OVER BUT FAILS TO START (cont'd)

**3. Spark plug/ignition (no spark).**
- *Check main fuse condition.*
- *Remove spark plug then reconnect to ignition coil.*
- *Check that ignition switch and/or engine stop switch is/are at the ON position.*
- *Start engine with spark plug grounded to the engine away from spark plug hole. If no spark appears, replace spark plug.*
- *If trouble persists, contact an authorized Can-Am dealer.*

**4. Speedometer CHECK ENGINE indicator lamp is on and multi-function display shows CHECK ENGINE.**
- *Contact an authorized Can-Am dealer.*

**5. Engine is under a protection mode.**
- *Speedometer CHECK ENGINE indicator lamp is on and multi-function display shows CHECK ENGINE, contact an authorized Can-Am dealer.*

## ENGINE LACKS ACCELERATION OR POWER

**1. Fouled or damaged spark plug.**
- *Check item* ENGINE TURNS OVER BUT FAILS TO START.

**2. Lack of fuel to engine.**
- *Check item* ENGINE TURNS OVER BUT FAILS TO START.

**3. Engine is overheating.**
- *CHECK ENGINE indicator light will turn on and HI TEMP will appear in the multi-function display.*
  *Try the following:*
  • *Check and clean radiator fins. See* MAINTENANCE *section.*
  • *Reduce vehicle speed but try to keep vehicle moving to supply air to radiator. If engine is still overheating after approximately one minute, stop vehicle and set transmission to PARK. Stop engine.*
  • *Place the ignition switch to ON position* (DO NOT RESTART ENGINE YET). *The radiator fan will cool the radiator.*
  • *Let engine cool down. Check coolant level and refill if possible. See* ENGINE COOLANT.
  *See an authorized Can-Am dealer as soon as possible.*
- *If overheating persists, contact an authorized Can-Am dealer.*

**4. Air filter/housing plugged or dirty.**
- *Check air filter and clean if necessary.*
- *Check deposits in air filter housing drain.*
- *Check the position of the air intake tube.*

**5. CVT dirty or worn-out.**
- *Contact an authorized Can-Am dealer.*

## ENGINE LACKS ACCELERATION OR POWER (cont'd)

**6. Engine is under a protection mode.**
- *Ckeck speedometer multi-function display for messages.*
- *Speedometer CHECK ENGINE indicator lamp is on and multi-function display shows CHECK ENGINE or LIMP HOME, contact an authorized Can-Am dealer.*

## ENGINE BACKFIRE

**1. Exhaust system leakage.**
- *Contact an authorized Can-Am dealer.*

**2. Engine is running too hot.**
- *See* ENGINE LACKS ACCELERATION OR POWER.

**3. Ignition timing is incorrect or there is an ignition system failure.**
- *Contact an authorized Can-Am dealer.*

## ENGINE MISFIRE

**1. Fouled/damaged/worn spark plug.**
- *Clean/verify spark plug and heat range. Replace as required.*

**2. Water in fuel.**
- *Drain fuel system and refill with fresh fuel.*

## VEHICLE CANNOT REACH FULL SPEED

**1. Engine.**
- *See* ENGINE LACKS ACCELERATION OR POWER.

**2. Parking brake.**
- *Ensure parking brake is completely removed.*

**3. Air filter/housing plugged or dirty.**
- *Check air filter and clean if necessary.*
- *Check deposits in air filter housing drain.*
- *Check the position of the air intake tube.*

**4. CVT dirty or worn-out.**
- *Contact an authorized Can-Am dealer.*

**5. Engine is under a protection mode.**
- *Ckeck speedometer multi-function display for messages.*
- *Speedometer CHECK ENGINE indicator lamp is on and multi-function display shows CHECK ENGINE or LIMP HOME, contact an authorized Can-Am dealer.*

## TRANSMISSION LEVER IS HARD TO MOVE

**1. Transmission gears are in a position that prevents the transmission lever to work.**
- *Rock the vehicle back and forth to move the gears in the transmission and allow the transmission lever to be set.*

## TRANSMISSION LEVER IS HARD TO MOVE (cont'd)

**2. CVT dirty or worn-out.**
- *Contact an authorized Can-Am dealer.*

## THE RPM INCREASES BUT THE VEHICLE DOES NOT MOVE

**1. The transmission is on PARK or NEUTRAL position.**
- *Select the R, HI or LO position.*

**2. CVT dirty or worn-out.**
- *Contact an authorized Can-Am dealer.*

**3. Water in the CVT housing.**
- *Contact an authorized Can-Am dealer.*

# SPECIFICATIONS

| VEHICLE MODEL | | OUTLANDER™ 500/650/800 SERIES |
|---|---|---|
| ENGINE | | |
| Type | | 4-stroke, V-twin, liquid cooled, 4-valves SOHC |
| Number of cylinder | | 2 |
| Number of valves | | 8 valves with mechanical lifters (adjustable) |
| Displacement | Outlander 500 | 499.6 cc (30.49 cu. in) |
| | Outlander 650 | 649.6 cc (39.64 cu. in) |
| | Outlander 800 | 800 cc (48.82 cu. in) |
| Bore | Outlander 500/650 | 82 mm (3.23 in) |
| | Outlander 800 | 91 mm (3.58 in) |
| Stroke | Outlander 500 | 47.3 mm (1.86 in) |
| | Outlander 650/800 | 61.5 mm (2.42 in) |
| Compression ratio | | 10.3:1 |
| Lubrication | | Wet sump with replaceable oil filter |
| Exhaust system | | Spark arrestor approved by USDA Forest Service |
| Air filter | | Synthetic paper filter with foam |
| TRANSMISSION | | |
| Transmission | | Continuously Variable Transmission (CVT), sub-transmission with high, low, park, neutral and reverse |
| COOLING | | |
| Type | | Liquid cooled |
| Radiator | | Front mounted with thermostatic fan |
| FUEL SYSTEM | | |
| Type | | Electronic fuel injection with a single throttle body (46 mm) and 1 injector per cylinder |
| Idle speed | ± 50 | 1250 RPM (not adjustable) |
| Fuel pump | Make | Bosch |
| | Type | Electrical (in fuel tank) |

| VEHICLE MODEL | | OUTLANDER™ 500/650/800 SERIES |
|---|---|---|
| ELECTRICAL | | |
| Magneto generator | Make | Denso |
| | Type | 400 W @ 6000 RPM |
| Ignition type | | IDI (Inductive Digital Ignition) |
| Ignition timing | | Not adjustable |
| Engine RPM limiter | | 8000 RPM (any gear in forward) |
| Vehicle speed limiter in reverse | | 15 km/h (9 MPH) |
| Spark plug | Make | NGK |
| | Type | DCPR8E |
| | Gap | 0.6 to 0.7 mm (.024 to .027 in) |
| Number of spark plug | | 2 |
| Battery | Type | Dry type battery |
| | Volt | 12 volts, 18 Ah |
| Starting system | | Electric start. Start on P, R, N, H or L position (with brake applied) |
| Headlamp bulb | | 2 x 35 W |
| Taillight bulb | | 8/27 W |
| Fuse | (F1) ignition coils | 5 A |
| | (F2) fan | 20 A |
| | (F3) fuel injectors | 5 A |
| | (F4) speedometer/ speed sensor/ tail lamp | 7.5 A |
| | (F5) fuel pump | 7.5 A |
| | (F6) engine control module (ECM) | 5 A |
| | (F7) accessories | 20 A |
| | (F8) main | 30 A |
| | (F9) main accessories | 30 A |
| DRIVE TRAIN | | |
| Front differential | | Shaft driven/single auto-lock differential (shear pump) |
| Rear axle | | Shaft driven |
| Turning radius | | 2.16 m (84 in) |

| VEHICLE MODEL | | | OUTLANDER™ 500/650/800 SERIES |
|---|---|---|---|
| SUSPENSION | | | |
| Front | Outlander 500 | Type | Independent suspension MacPherson type |
| | | Travel | 178 mm (7 in) |
| | Outlander 650/800 | Type | Double A-arm |
| | | Travel | 203 mm (8 in) |
| Rear | | Type | TTI™ Independent |
| | | Travel | 228.6 mm (9 in) |
| TIRES | | | |
| Make/Type | Outlander 500 | XT | Carlisle ACT/Radial |
| | | Other | Othsu/Bias |
| | Outlander 650/800 | XT | Carlisle ACT/Radial |
| | | Other | Carlisle Badland/Radial |
| Pressure | Up to 235 kg (517 lb) | Front | 34.5 kPa (5 PSI) maximum<br>31 kPa (4.5 PSI) minimum |
| | | Rear | 34.5 kPa (5 PSI) maximum<br>31 kPa (4.5 PSI) minimum |
| Size | Outlander 500 | Front | 25 x 8 x 12 |
| | | Rear | XT: 25 x 11 x 12<br>Other: 25 x 10 x 12 |
| | Outlander 650/800 | Front | 26 x 8 x 12 |
| | | Rear | 26 x 10 x 12 |
| WHEELS | | | |
| Size | | Front | 12 x 6 |
| | | Rear | 12 x 7.5 |
| Wheel nuts torque | | | 90 N•m (66 lbf•ft) |
| BRAKES | | | |
| Front | | | Hydraulic, 2 discs |
| Rear | | | Hydraulic, 1 disc |
| Parking device | | | Park through transmission.<br>LH brake lever includes a parking brake |

| VEHICLE MODEL | | | OUTLANDER™ 500/650/800 SERIES |
|---|---|---|---|
| LOADING CAPACITY | | | |
| Front racks | | | 45 kg (100 lb) |
| Rear racks (including tongue load) | | | 90 kg (200 lb) |
| Rear storage box | | | 10 kg (22 lb) |
| Total vehicle load allowed (includes operator, all other loads and added accessories) | | | 235 kg (517 lb) |
| GVWR (Gross Vehicle Weight Rating) | Outlander 500 | XT | 584 kg (1287 lb) |
| | | Other | 553 kg (1220 lb) |
| | Outlander 650/800 | | 584 kg (1287 lb) |
| Towing capacity | | | 591 kg (1300 lb) |
| Tongue capacity (included with rear racks) | | | 23 kg (50 lb) |
| DIMENSIONS | | | |
| Dry weight | Outlander 500 | | 287 kg (634 lb) |
| | Outlander 650 | | 295 kg (649 lb) |
| | Outlander 800 | | 290 kg (639 lb) |
| Overall length | | | 2.18 m (86 in) |
| Overall width | | | 1.17 m (46 in) |
| Overall height | | | 1.14 m (45 in) |
| Seat height | | | 877 mm (34.5 in) |
| Wheel base | | | 1.30 m (51 in) |
| Wheel track | | Front | 965 mm (38 in) |
| | | Rear | 914 mm (36 in) |
| Ground clearance | | | 305 mm (12 in) |
| Weight distribution (front/rear) | | | 51/49% |

| VEHICLE MODEL | | OUTLANDER™ 500/650/800 SERIES |
|---|---|---|
| LIQUIDS AND GREASES | | |
| Engine oil type | | SAE 5W30 API classification SM, SL or SJ. Refer to *OIL VISCOSITY CHART*. |
| Gearbox oil type | | XP-S synthetic chaincase oil |
| Coolant | | Ethylene-glycol/water mix (50% coolant, 50% distilled water). Use BRP premixed coolant or a coolant specially designed for aluminum engines |
| Fuel | Type | Regular unleaded gasoline |
| | Octane | Inside North America: (87 (R + M)/2) or higher Outside North America: 92 RON |
| Differential | Front | BRP differential oil or Synthetic polyolester oil 75W90 (API GL-5) |
| | Rear | |
| Brake | | Brake fluid, DOT 4 |
| Propeller shaft joint grease | | Suspension synthetic grease (P/N 293 550 033) |
| CAPACITIES | | |
| Fuel tank | | 20 L (5.3 U.S. gal) |
| Engine | | Oil change with filter: 2 L (2.1 U.S. quarts) |
| Gearbox oil | | 400 mL (14 U.S. oz) |
| Coolant | | 2.2 L (2.32 U.S. quarts) |
| Differential | Front | 500 mL (17 U.S. oz) |
| | Rear | 250 mL (8.5 U.S. oz) |
| Brake fluid | | 250 mL (8.5 U.S. oz) |

A: Ampere
RPM: Revolution Per Minute
USDA: United States Department of Agriculture
Ah: Ampere hour
W: Watt

Because of our ongoing commitment to product quality and innovation, BRP reserves the right, at any time, to make changes in design and specifications and/or to make additions to, or improvements in its products without imposing any obligation upon itself to install them on its products previously manufactured.

# MAINTENANCE INFORMATION

# MAINTENANCE CHART

The maintenance is very important, if you are not familiar with safe service practices and adjustment procedures, see your authorized Can-Am dealer.

**PERIODIC MAINTENANCE CHART**

A: ADJUST
C: CLEAN
I: INSPECT
L: LUBRICATE
R: REPLACE

| PART/TASK | INITIAL INSPECTION 10 H OR 30 DAYS OR 300 km (185 mi) (To be performed by an authorized Can-Am dealer. The initial maintenance is very important and must not be neglected.) | 25 H OR 750 km (470 mi) | 50 H OR 1500 km (930 mi) | 100 H OR 1 YEAR OR 3000 km (1865 mi) | 200 H OR 2 YEARS OR 6000 km (3730 mi) | TO BE PERFORMED BY | LEGEND |
|---|---|---|---|---|---|---|---|
| **ENGINE** | | | | | | | |
| Engine oil level (2) | EVERY RIDE | | | | | Customer | (2) Pre-ride inspection item.<br>(3) Every 100 hours, check coolant strength<br>(4) More often under severe use such dusty area, sand, snow, wet or muddy conditions. |
| Engine oil and filter | R | | | R | | Customer | |
| Valve adjustment | I, A | | | I, A | | Dealer | |
| Engine mounting fasteners | I | | | I | | Dealer | |
| Air filter (2) | | C (4) | R (4) | | | Customer | |
| Exhaust system | I | | | I | | Dealer | |
| Spark arrester | | | | C | | Customer | |
| Condition of engine seals | I | | | I | | Dealer | |
| Coolant (2) | I | | | I (3) | R | Customer | |
| Cooling system pressure test | I | | | | I | Dealer | |
| Radiator condition/cleanliness (radiating fins) (4) | I | | I | | | Customer | |
| **ENGINE MANAGEMENT SYSTEM** | | | | | | | |
| Sensors (1) | I | | | I | | Dealer | (1) Emission-related component. |
| Fault code reading (1) | I | | | I | | Dealer | |

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|---|---|---|---|---|---|---|---|
| **FUEL SYSTEM** | | | | | | | |
| Throttle body | I | | | I,L | | Dealer | (1) Emission-related component.<br>(2) Pre-ride inspection item. |
| Throttle/housing/cable condition (2) | I, A | | I,A,L | | | Dealer/ Customer | |
| Fuel lines, fuel rail, connections, check valves and fuel tank pressure test (1) | I | | | | I | Dealer | |
| In-line fuel filter | | | | R | | Dealer | |
| Fuel pump pressure test | | | | | I | Dealer | |
| **ELECTRICAL** | | | | | | | |
| Spark plug (1) (5) | I | | | | R | Customer | (1) Emission-related component.<br>(2) Pre-ride inspection item.<br>(5) Make sure the spark plug is correctly gapped. |
| Battery connections | I | | I | | | Customer | |
| ECM connectors | | | | I | | Dealer | |
| Electrical connections and fastening (ignition system, starting system, fuel injectors etc.) | I | | | I | | Dealer | |
| Digitally Encoded Security System (DESS) | I | | | I | | Dealer | |
| Condition of ignition switch, engine start button and engine stop switch (2) | I | | | I | | Customer | |
| Condition of lighting system (HI/LO intensity, brake lamp, headlamp aiming, etc.) (2) | I | | | I | | Customer | |
| Winch | *Refer to vehicle BASIC GUIDE TO WINCHING TECHNIQUES* | | | | | Customer | |

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25 H OR 750 km (470 mi)

50 H OR 1500 km (930 mi)

100 H OR 1 YEAR OR 3000 km (1865 mi)

200 H OR 2 YEARS OR 6000 km (3730 mi)

| PART/TASK | TO BE PERFORMED BY | LEGEND |
|---|---|---|
| **TRANSMISSION** | | |
| Drive belt | Dealer | (4) More often under severe use such dusty area, sand, snow, wet or muddy conditions. |
| Drive and driven pulleys | Dealer | |
| One-way bearing inside CVT | Dealer | |
| CVT air inlet | Dealer | |
| Gearbox oil (4) | Dealer | |
| 4 x 4 coupling unit | Dealer | |
| **DRIVE TRAIN** | | |
| Drive shaft boots and protectors (2) | Customer | (2) Pre-ride inspection item.<br>(4) More often under severe use such dusty area, sand, snow, wet or muddy conditions. |
| Drive shaft joints | Dealer | |
| Rear propeller shaft joint (4) | Dealer | |
| Wheel bearing condition | Customer | |
| Wheel nuts/studs | Customer | |
| Tires pressure and wear (2) | Customer | |
| Front/rear differentials (oil level, seals and vents) | Dealer | |
| **STEERING SYSTEM** | | |
| Handlebar fasteners | Dealer | (4) More often under severe use such dusty area, sand, snow, wet or muddy conditions. |
| Steering system (column, bearing, etc.) (4) | Dealer | |
| Tie rod ends | Dealer | |
| Front wheels alignment | Dealer | |

| PART/TASK | 25 H OR 750 km (470 mi) | 50 H OR 1500 km (930 mi) | 100 H OR 1 YEAR OR 3000 km (1865 mi) | 200 H OR 2 YEARS OR 6000 km (3730 mi) |
|---|---|---|---|---|
| **TRANSMISSION** | | | | |
| Drive belt | | | I | |
| Drive and driven pulleys | | | I,L | |
| One-way bearing inside CVT | | | I,L | |
| CVT air inlet | | I,C | | |
| Gearbox oil (4) | | | I | R |
| 4 x 4 coupling unit | | | I | |
| **DRIVE TRAIN** | | | | |
| Drive shaft boots and protectors (2) | I | | | |
| Drive shaft joints | | I | | |
| Rear propeller shaft joint (4) | | I, L | | |
| Wheel bearing condition | | | I | |
| Wheel nuts/studs | | I | | |
| Tires pressure and wear (2) | EVERY RIDE | | | |
| Front/rear differentials (oil level, seals and vents) | | I | | R |
| **STEERING SYSTEM** | | | | |
| Handlebar fasteners | | | I | |
| Steering system (column, bearing, etc.) (4) | I | | I | |
| Tie rod ends | | I | | |
| Front wheels alignment | I | | I, A | |

## PERIODIC MAINTENANCE CHART

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|---|---|---|---|---|---|---|---|
| **SUSPENSION** | | | | | | | |
| Trailing arms | | | | I | | Dealer | |
| Trailing arm bearings | | | | | I | Dealer | |
| McPherson struts (Outlander 500 only) | | | I | | | Dealer | |
| Shock absorbers | | | I | | | Dealer | |
| A-arms | | | I,L | | | Customer | |
| Ball joints | | I | | | | Dealer | |
| **BRAKES** | | | | | | | |
| Brake fluid (front and rear) (2) | I | I | | | R (6) | Customer/ Dealer | (2) Pre-ride inspection item.<br>(4) More often under severe use such dusty area, sand, snow, wet or muddy conditions.<br>(6) Brake fluid replacement or any brake system repairs must be performed by an authorized Can-Am dealer. |
| Brake pads | | I (4) | | | | Customer | |
| Brake system (discs, hoses, etc.) | | | | I | | Customer | |

## PERIODIC MAINTENANCE CHART

A: ADJUST
C: CLEAN
I: INSPECT
L: LUBRICATE
R: REPLACE

INITIAL INSPECTION 10 H OR 30 DAYS OR 300 km (185 mi)

(To be performed by an authorized Can-Am dealer. The initial maintenance is very important and must not be neglected.)

25 H OR 750 km (470 mi)

50 H OR 1500 km (930 mi)

100 H OR 1 YEAR OR 3000 km (1865 mi)

200 H OR 2 YEARS OR 6000 km (3730 mi)

| PART/TASK | TO BE PERFORMED BY | LEGEND |
|---|---|---|
| **BODY/FRAME** | | |
| Engine compartment | Customer | (4) More often under severe use such dusty area, sand, snow, wet or muddy conditions. |
| Frame | Dealer | |
| Hitch/trailer ball condition (if installed) | Customer | |
| Chassis fasteners | Customer | |
| Seat fasteners | Customer | |
| Vehicle cleaning and protection | Customer | |

| PART/TASK | INITIAL INSPECTION 10 H OR 30 DAYS OR 300 km (185 mi) | 25 H OR 750 km (470 mi) | 50 H OR 1500 km (930 mi) | 100 H OR 1 YEAR OR 3000 km (1865 mi) | 200 H OR 2 YEARS OR 6000 km (3730 mi) |
|---|---|---|---|---|---|
| **BODY/FRAME** | | | | | |
| Engine compartment | I,C | | I,C | | |
| Frame | | | | I | |
| Hitch/trailer ball condition (if installed) | EVERY RIDE | | | | |
| Chassis fasteners | | | I | | |
| Seat fasteners | EVERY RIDE | | | | |
| Vehicle cleaning and protection | | | C (4) | | |

# GENERAL

While reading this Operator's Guide, remember that:

**⚠ WARNING**

Indicates a potential hazard that, if not avoided, could result in serious injury or death.

**⚠ WARNING**

Unless otherwise specified, engine should not be running for all maintenance procedures.
Before performing any service or inspection operation on the vehicle, wait until the engine and exhaust have cooled down to avoid potential burns.

**⚠ WARNING**

Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one.

The following covers the maintenance items that can be performed by the customer if desired. Other items found in *MAINTENANCE CHART* must be performed by an authorized Can-Am dealer.

NOTE: Among other things, this section gives the procedures to replace the liquids. Refer to *LIQUIDS* for procedures to check levels and refill.

## Oil Change and Oil Filter Replacement

Oil and filter are to be replaced at the same time. Oil change should be done with a warm engine.

**⚠ WARNING**

**The engine oil can be very hot. In order to avoid potential burns, do not remove the engine drain plug or the filter cover if the engine is hot. Wait until engine oil is warm.**

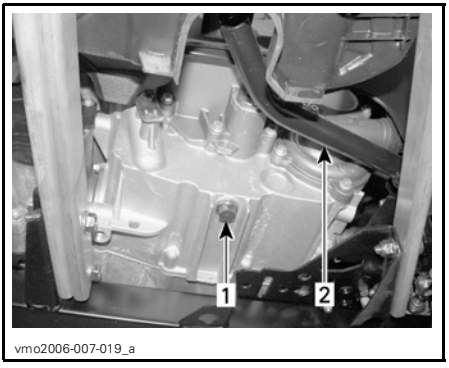
Ensure vehicle is on a level surface.

Remove dipstick.

Clean the oil drain plug area.

Place a drain pan under the oil drain plug area.

Unscrew oil drain plug.

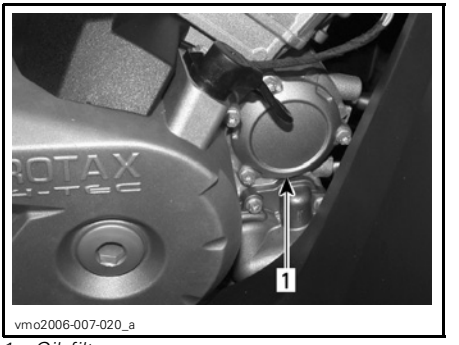



*TYPICAL*
1. *Oil drain plug*
2. *Brake pedal*

Allow enough time for oil to flow out of oil filter.

Remove the right side panel.

Unscrew the oil filter cover.




1. *Oil filter cover*

Remove the oil filter and replace with a new filter.

Check the cover O-ring and change it if necessary.

Screw oil filter cover in place.

Wipe out any oil spillage on engine.

Change gasket on oil drain plug. Clean gasket area on engine and oil drain plug then reinstall plug. Refill engine at the proper level with the recommended oil. Refer to *SPECIFICATIONS* for capacity.

Start engine and let idle for a few minutes. Ensure oil filter area and oil drain plug areas are not leaking.

Stop engine. Wait a while to allow oil to flow down to crankcase then check oil level. Refill as necessary.

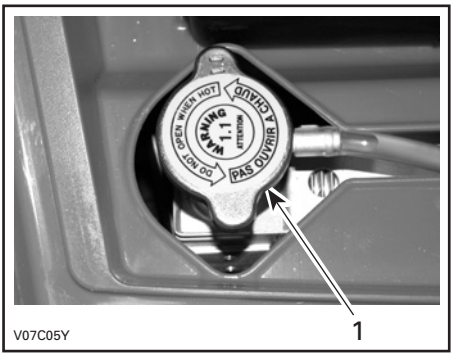
Dispose of oil as per your local environmental regulations.

## Coolant Replacement

**⚠ WARNING**

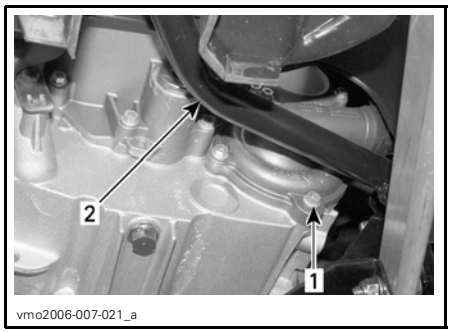
**In order to avoid potential burns, do not remove the radiator cap or loosen the coolant drain plug if the engine is hot.**

Open the front access panel and remove the radiator cap.




*1. Radiator cap*

Unscrew the coolant drain plug and drain the coolant into a suitable container.

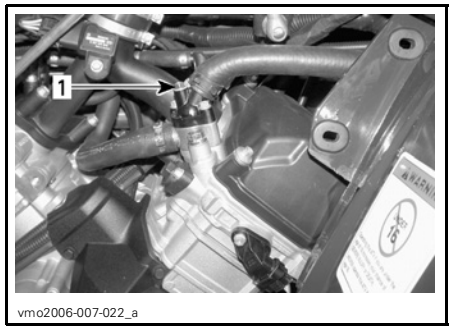



*1. Coolant drain plug*
*2. Brake pedal*

NOTE: Do not unscrew the coolant drain plug completely.

Remove the RH side panel.

Unscrew the bleeding screw on the top of thermostat housing.

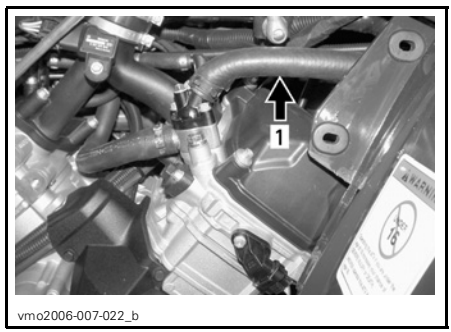



*1. Bleeding screw*

Drain the system completely and reinstall the coolant drain plug.

Pinch hose between radiator and thermostat housing with a large hose pincher (P/N 529 032 500) or an equivalent.

**CAUTION: Do not use vise-grip pliers to pinch hose.**




*1. Hose pincher*

Fill the radiator until the coolant comes out by the thermostat housing hole. Install the bleeding screw then remove the hose pincher.

Complete the radiator filling.

Check the level in the coolant reservoir and refill if necessary.

Run engine at idle with the radiator cap off. Slowly add coolant if necessary.

At this point, wait until engine reaches normal operating temperature. Depress the throttle lever two or three times; then add coolant if required.

Install radiator cap. Inspect all connections for leaks and check coolant level in the reservoir.

## Air Filter

### Removal

**CAUTION: Never remove or modify any component in the air filter housing. Otherwise, engine performance degradation or damage can occur. The engine is calibrated to operate specifically with these components.**

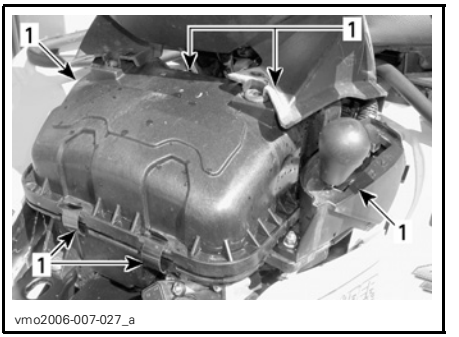
Remove seat.

Release central panel tabs from frame.

Pull central panel towards the rear of the vehicle to remove.

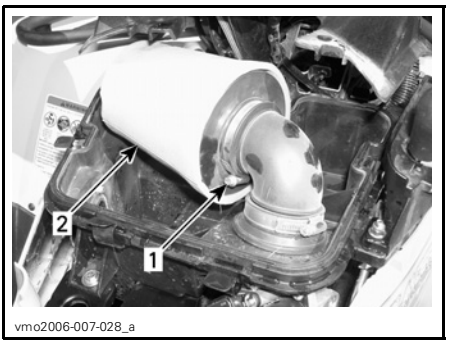
*1. Central panel*
*2. Tabs*

Release clamps and remove air filter box cover.




*1. Release clamps*

Loosen clamp and remove air filter.




*1. Clamp*
*2. Air filter*

### Cleaning

Pour cleaning solution (P/N 219 700 341) or an equivalent into a bucket. Put the filter in to soak.

While filter soaks, clean inside the air filter housing.

Rinse the filter with warm water until all cleaning solution disappears.

Then, let the filter dry completely.

### Installation

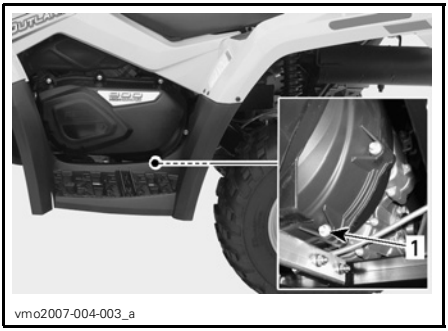
Properly reinstall removed parts in the reverse order of their removal.

## Drive Belt

See an authorized Can-Am dealer to check the width and the condition of drive belt.

## CVT Cover Drain Screw

Any time you suspect that water has entered the CVT cover, drain the CVT housing by removing the drain screw.




*BEHIND LH FOOTREST*
*1. Drain plug*

## Valve Adjustment

See an authorized Can-Am dealer for valves adjustment.

Insufficient clearance will cause loss of power and possibly damage the valves. Excessive clearance will cause noise.

## Spark Arrester

The muffler must be periodically purged of accumulated carbon.

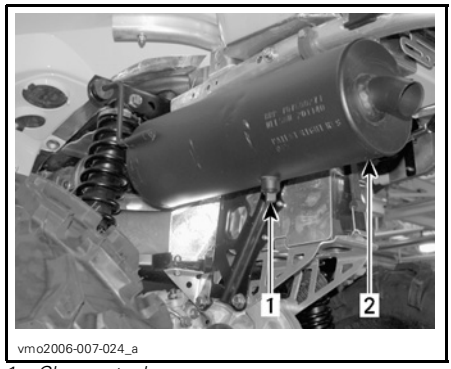
**⚠ WARNING**

**Never run engine in an enclosed area. Never perform this operation immediately after the engine has been run because exhaust system is very hot. Make sure that there are no combustible materials in the area. Wear eye protection and gloves. Never stand behind the vehicle while purging exhaust system. Respect all applicable laws and regulations.**

Select a well-ventilated area and make sure the muffler is cool.

Place transmission on PARK position.

Remove the cleanout plug of the muffler.




*1. Cleanout plug*
*2. Muffler*

Block the end of the muffler with a shop rag and start engine.

Momentarily increase engine RPM several times to purge accumulated carbon out of the muffler.

Stop engine and allow muffler to cool.

Reinstall the cleanout plug.

## Radiator

Periodically check the radiator area for cleanliness.

*TYPICAL*
*1. Radiator*

Inspect radiating fins. They must be clean, free of mud, dirt, leaves and any other deposit that would prevent the radiator to cool properly.

Remove as much deposits as you can with your hands. If water is available in proximity, try rinsing the radiating fins.

If available, use a garden hose to rinse the radiating fins.

**⚠ WARNING**

Never clean radiator with your hands when it is hot. Let the radiator cool down before cleaning.

**CAUTION:** Be careful not to damage the radiating fins when cleaning. Do not use any object/tool that could damage the fins. The fins are purposely thin parts to allow efficient cooling. WHEN HOSING, USE LOW PRESSURE ONLY, NEVER USE A HIGH PRESSURE WASHER.

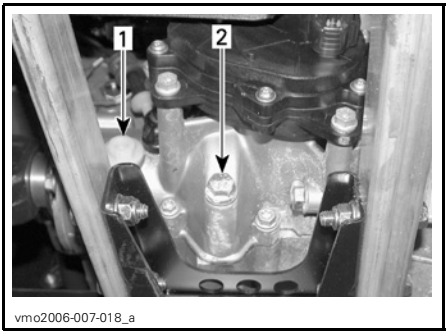
See an authorized Can-Am dealer to check the performance of the cooling system.

# GEARBOX

## Oil Change

Place the vehicle on a level surface.

Clean drain plug area and oil level plug then remove the gearbox drain plug.




*1. Oil level plug*
*2. Oil drain plug*

NOTE: To completely drain the gearbox, place a jack under the left footrest and tilt the vehicle toward the right side. When the gearbox is empty, install the drain plug and replace the vehicle on the ground.

Refill gearbox, using XP-S chaincase oil (P/N 413 801 900) or an equivalent.

**CAUTION: Do not use other unrecommended types of oil when servicing. Do not mix with other types of oil.**

The oil should be level with the bottom of the oil level hole. Refill as required until gearbox oil level flows through oil level hole.

Reinstall oil level plug.

## Throttle Cable Lubrication

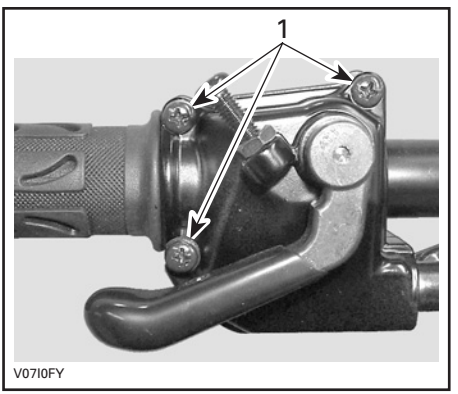
### Lubrication

The throttle cable must be lubricated with silicone lubricant (P/N 293 600 041) or an equivalent.

**⚠ WARNING**

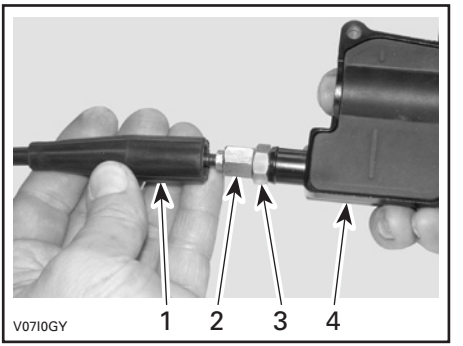
**Always use a silicone-based lubricant. Using another lubricant (like a water-based lubricant) could cause the throttle lever/cable sticking or stiffness.**

Open the throttle lever housing.




*1. Remove these screws*

Separate the housing. Slide rubber protector back to expose throttle cable adjuster.

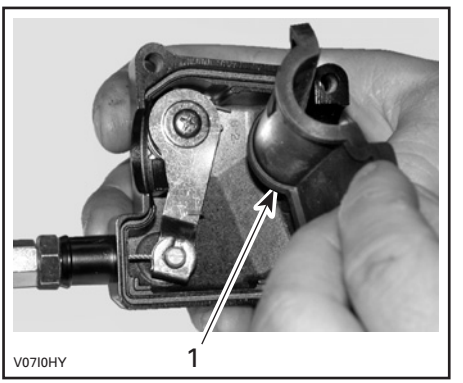



*1. Cable protector*
*2. Throttle cable adjuster*
*3. Lock nut*
*4. Throttle lever housing*

Screw in the throttle cable adjuster.

Remove:

– inner housing protector



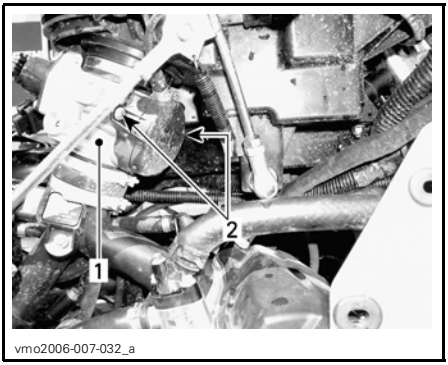

*1. Inner housing protector*

– the cable from the throttle lever housing.

NOTE: Slide cable in clip slot and remove the end of cable from clip.

V07I0IY

Remove the throttle body side cover.



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*1. Throttle body*
*2. Side cover screws*

Insert the needle of lubricant can in the end of throttle cable adjuster.

**⚠ WARNING**

Always wear eye protection and gloves when you lubricate a cable.

V07I0JY

*TYPICAL*

NOTE: Place a rag around the throttle cable adjuster to prevent the lubricant from splashing.

Add lubricant until it runs out at throttle body end of the throttle cable.

Reinstall and adjust the cable.

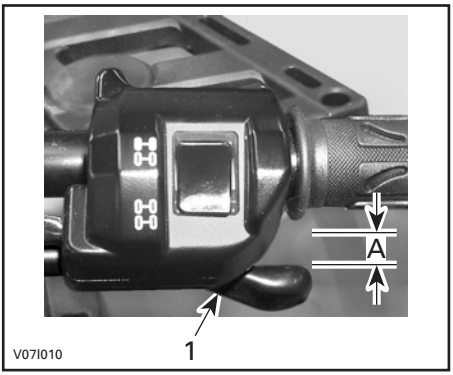
## Throttle Lever Adjustment

Slide rubber protector back to expose throttle cable adjuster.

Loosen lock nut then turn the adjuster to obtain correct throttle lever free play.

NOTE: Measure throttle free play at the tip of throttle lever.

Tighten lock nut and reinstall protector.



V07I010

*1. Throttle lever*
*A. 3 to 6 mm (1/8 to 7/32 in)*

With the transmission lever on PARK position, start the engine. Check if the throttle cable is adjusted correctly by turning handlebar fully right then fully left. If the engine RPM increases, readjust the throttle lever free play.

**⚠ WARNING**

Unless otherwise indicated, always turn ignition switch to the OFF position before performing any maintenance or repair on electrical system.

## Spark Plug

### Removal

Remove side panels.

Unplug spark plug cables.

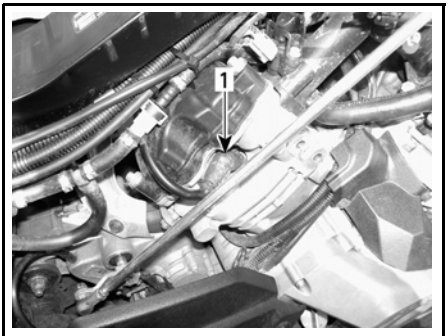
Unscrew spark plugs one turn.

Clean spark plugs and cylinder heads with pressurized air if possible.

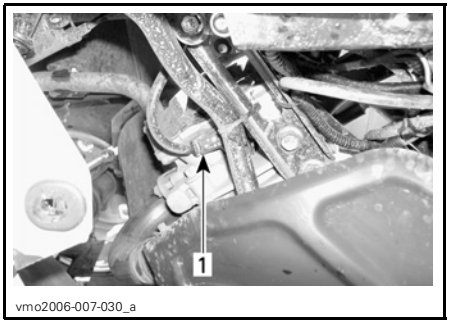
**⚠ WARNING**

Always wear safety goggles when using pressurized air.

Unscrew spark plugs completely then remove them.




*RH SIDE — REAR CYLINDER*
*1. Spark plug*




*LH SIDE — FRONT CYLINDER*
*1. Spark plug*

### Installation

Prior to installation make sure that contact surfaces of cylinder heads and spark plugs are free of grime.

Using a feeler gauge, set the spark plug gap between 0.6 to 0.7 mm (0.024 to 0.027 in).

Apply anti-seize lubricant over spark plug threads to prevent a possible seizure.

Screw spark plugs into cylinder heads by hand and tighten with a torque wrench and a proper socket.

Torque spark plugs to 20 N•m (15 lbf•ft).

## Battery

**⚠ WARNING**

Never charge a battery while installed in vehicle.

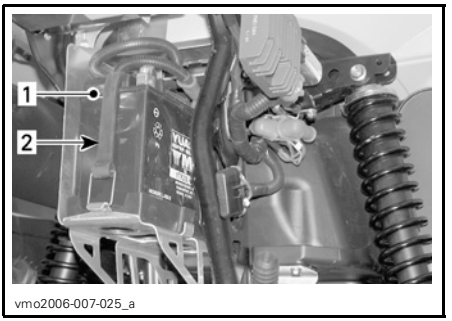
### Removal

Disconnect BLACK (-) cable first then RED (+) cable.

**⚠ WARNING**

Always respect this order for disassembly; disconnect BLACK (-) cable first.

Remove the holding strap then pull the battery out of frame.




*1. Battery*
*2. Holding strap*

### Cleaning

Clean battery, battery casing and battery posts using a solution of baking soda and water.

Remove corrosion from battery cable terminals and battery posts using a firm wire brush. Battery casing should be cleaned by soft brush and baking soda solution.

### Installation

Reinstall battery in vehicle.

**⚠ WARNING**

Connect RED (+) cable first then BLACK (-) cable. Always connect RED (+) cable first.

## Fuses

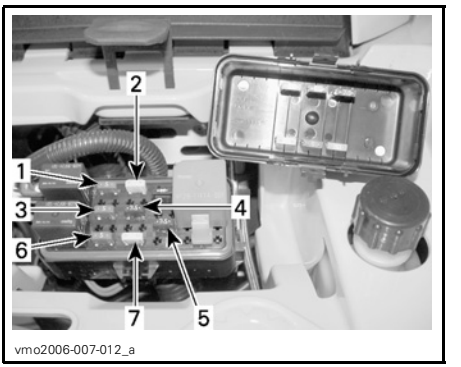
**⚠ WARNING**

Always turn the ignition switch to OFF position before replacing a defective fuse.

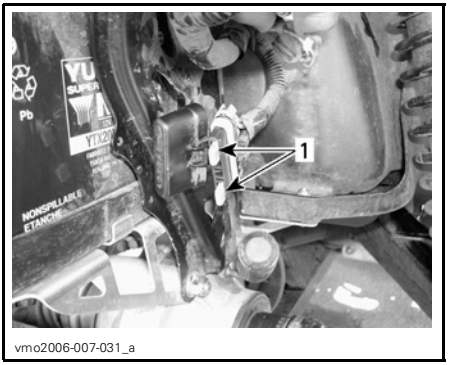
If a fuse is damaged, replace it by one of the same rating.

**CAUTION:** Do not use a higher rated fuse as this can cause severe damage.

Fuses are located in the front service compartment and at the rear near battery.

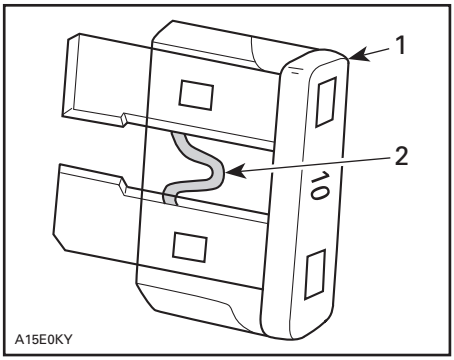



*FRONT — FUSES LOCATION*
*1. (F1) Ignition coils (5 A)*
*2. (F2) Fan (20 A)*
*3. (F3) Fuel injectors (5 A)*
*4. (F4) Speedometer/speed sensor/tail lamp (7.5 A)*
*5. (F5) Fuel pump (7.5 A)*
*6. (F6) Engine Control Module (ECM) (5 A)*
*7. (F7) Accessories (20 A)*




*REAR — FUSES LOCATION*
*1. (F8) Main (30 A)*
*(F9) Main accessories (30 A)*

To remove fuse from holder, remove the fuse holder cover then pull fuse out. Check if filament is melted.




*TYPICAL*
1. *Fuse*
2. *Check if melted*

## Bulb Replacement

**⚠ WARNING**

**Always turn the ignition switch to OFF position before replacing a defective bulb.**

Always check light operation after replacement.

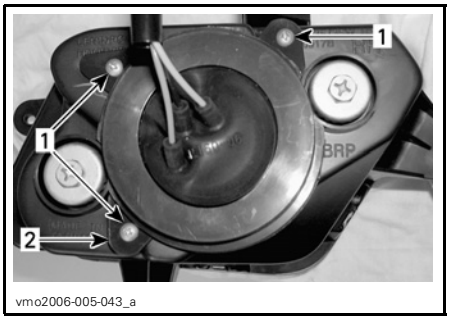
### Headlamps

**CAUTION: Never touch glass portion of an halogen bulb with bare fingers, it shortens its operating life. If glass is touched, clean it with isopropyl alcohol which will not leave a film on the bulb.**

To replace the headlamp bulb, proceed as follows.

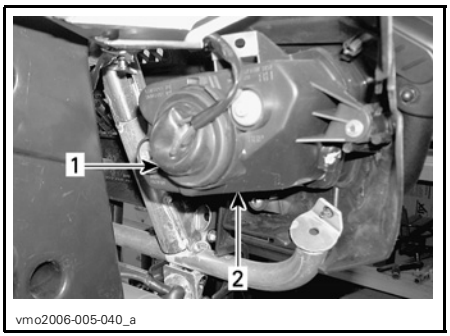
NOTE: On the following illustration, the headlamp has been removed for a better comprehension.

Remove cover screws.




1. *Screws*
2. *Cover*

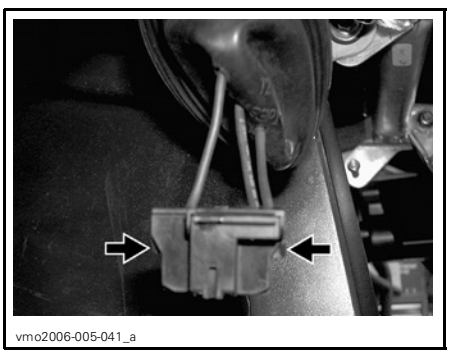
Remove rubber protector over headlamp housing.




1. *Rubber protector*
2. *Headlamp housing*

Unplug connector from headlamp.

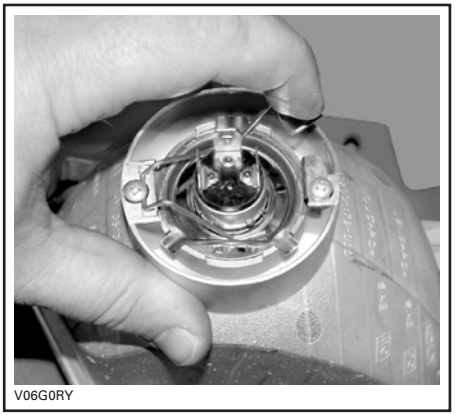
NOTE: Use small locking tab to unlock connector then pull on connector.




*PUSH ON LOCKING TAB TO UNLOCK CONNECTOR*

NOTE: Concerning the following illustrations, the front fascia has been removed from the vehicle for a better comprehension.

Press the spindle then push it on the side to unlock headlamp bulb.


V06G0RY

*TYPICAL*

Lift and hold the spindle then remove the bulb.

V06G0SY

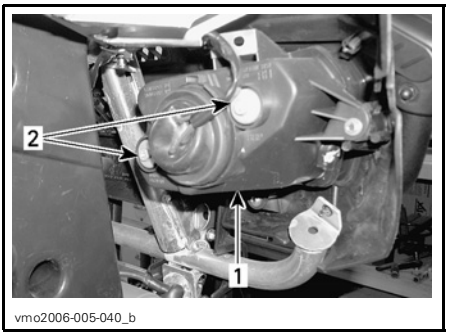
*TYPICAL*

Properly reinstall removed parts in the reverse order of their removal.

### Beam Aiming Adjustment

Adjust beam aiming as follows:

Turn adjustment screws to adjust beam height and side orientation to your convenience. Adjust both headlamps evenly.



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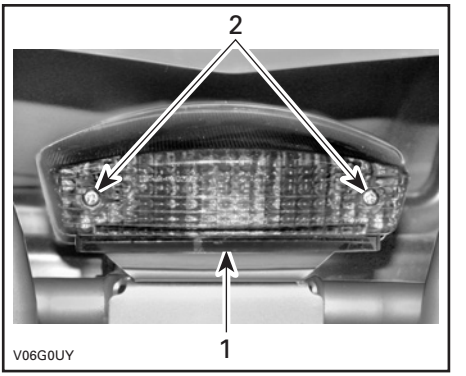
*TYPICAL*
1. *Headlamp cover*
2. *Adjustment screws*

### Taillight

Unscrew lens screws to expose bulbs.



V06G0UY

1. *Lens*
2. *Screws*

Push the bulb in and hold while turning counterclockwise to release.

Install the new bulb by first pushing in while turning clockwise.

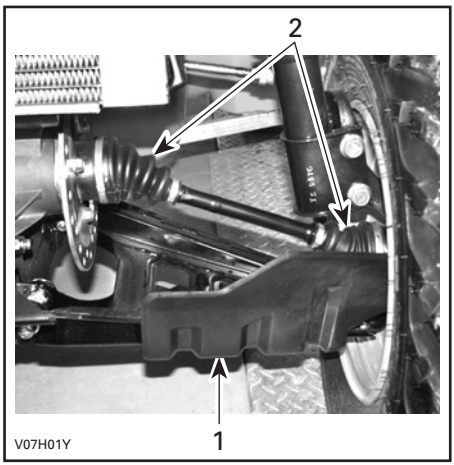
### Speedometer

The speedometer is lighted with LEDs. If one LED burnt, replace the speedometer. The LEDs are not available separately.

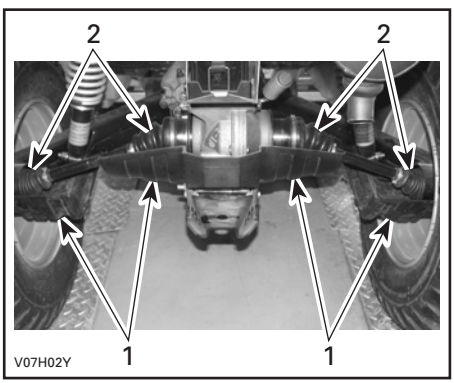
## Drive Shaft Boot/Protector

### Inspection

Visually inspect drive shaft protectors and boots conditions. Check protectors for damage or rubbing against shafts. Check boots for cracks, tears, leaking grease etc. Repair or replace damaged parts as necessary.




*TYPICAL — FRONT OF VEHICLE*
1. *Drive shaft protector*
2. *Drive shaft boots*



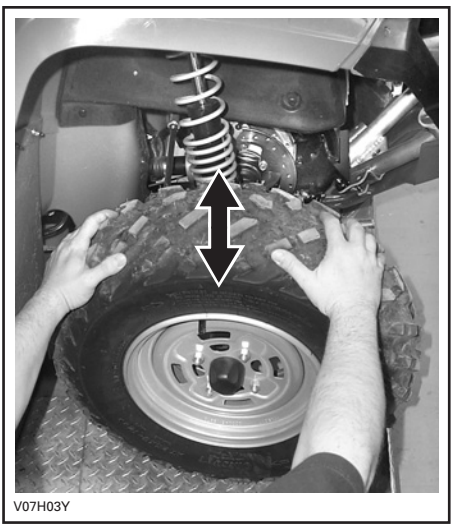

*TYPICAL — REAR OF VEHICLE*
1. *Drive shaft protector*
2. *Drive shaft boots*

## Wheel

Occasionally, wheel nuts should be removed to apply anti-seize lubricant on studs to ease future removal. This is particularly important when vehicle is used in salt-water environment or in mud. Remove one nut at a time, lubricate then retorque.

## Wheel Bearing Condition

Push and pull the wheels from the upper edge to feel the play. See an authorized Can-Am dealer if there is any play.




*TYPICAL*

## Tires/Wheels

**⚠ WARNING**

When the tires are replaced, never install a bias tire with a radial tire. Such a combination could create handling and/or stability problems.
Do not mix tires of different size and/or design on the same axle.
Front and rear tire pairs must be the identical model and manufacturer.
For unidirectional tread pattern, ensure that the tires are installed in the correct direction of rotation.
The radial tires must be installed as a complete set.
Severe injury or death can result if you do not follow these instructions.

### Tire Pressure

**⚠ WARNING**

Tire pressure greatly affects vehicle handling and stability. Underpressure may cause tire to deflate and rotate on wheel. Overpressure may burst the tire. Always follow recommended pressure. Since tires are low-pressure types, a manual pump should be used.

Check pressure when tires are **"cold"** before using the vehicle. Tire pressure changes with temperature and altitude. Recheck pressure if one of these conditions has changed.

For your convenience, a pressure gauge is supplied in tool kit.

| TIRE PRESSURE | | | |
|---|---|---|---|
| | | FRONT | REAR |
| **UP to 235 kg (517 lb)** | MAX. | 34.5 kPa (5 PSI) | 34.5 kPa (5 PSI) |
| | MIN. | 31 kPa (4.5 PSI) | 31 kPa (4.5 PSI) |

Although the tires are specifically designed for off-road use, a flat may still occur. Therefore, it is recommended to carry a tire pump and a repair kit.

### Tire/Wheel Condition

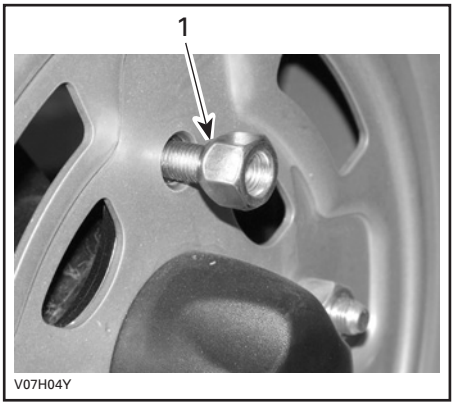
Check tire for damage and wear. Replace if necessary.

Do not rotate tires. The front and rear tires have a different size. The tires are directional and their rotation must be kept in a specific direction for proper operation.

### Wheel Removal

Loosen nuts then lift vehicle. Place a support under vehicle. Remove nuts then remove wheel.

At installation, it is recommended to apply anti-seize lubricant on threads. Gently tighten nuts in a criss-cross sequence then apply a final torque of 90 N•m (66 lbf•ft).




*TYPICAL*
*1. Taper side of nut*

**CAUTION:** Always use the recommended wheel nuts (P/N 250 100 039). Using a different nut could cause damages to the rim.

While reading this Operator's Guide, remember that:

**⚠ WARNING**

Indicates a potential hazard that, if not avoided, could result in serious injury or death.

# SUSPENSION

## Lubrication

Lubricate front A-arms. Use suspension synthetic grease (P/N 293 550 033) or an equivalent. There is two grease fittings on each A-arm.

## Inspection

### Front Suspension

Inspect the McPherson struts or shock absorber for oil leaks or other damages. Check tightness of fasteners. See an authorized Can-Am dealer as necessary.

### Rear Suspension

Inspect shock absorber for oil leaks or other damages. Check tightness of fasteners. See an authorized Can-Am dealer as necessary.

### Trailing Arms

Check trailing arms for distortion, cracks or bending. See an authorized Can-Am dealer if any problem is detected.

### A-Arms

Check A-arms for cracks, bending or other damages. See an authorized Can-Am dealer as necessary.

## Adjustment

**⚠ WARNING**

**The left and right shock adjustment cams on front or rear suspension must always be set to the same position. Never adjust one adjusting cam only. Uneven adjustment can cause poor handling and loss of stability, which could lead to an accident.**

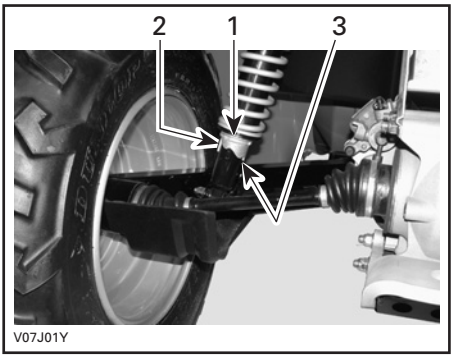
### Preload Adjustment

NOTE: Front shocks are not adjustable on Outlander 500 models.

Adjust spring preload by turning adjusting cam accordingly, with the adjusting wrench in vehicle tool kit.

Turn the adjusting cams clockwise for a firmer ride and rough road condition or when carrying cargo or pulling a trailer.

Turn the adjusting cams counterclockwise for a light load and a smooth road condition.




*TYPICAL — REAR SHOCKS*
1. *Adjusting cams*
2. *Smooth adjustment*
3. *Hard adjustment*

# BRAKE

## Adjustment/Inspection

The front and rear brakes are hydraulic disc types. These brakes are self-adjusting and require no adjustment.

The brake lever and the brake pedal require no adjustment.

Check the following to keep the brakes in a good operating condition:

– brake system for fluid leaks
– brake for spongy feel
– brake discs for excessive wear and surface condition
– brake pads for wear, damage or looseness.

| SERVICE LIMITS | |
|---|---|
| Brake pads thickness | 1 mm (.040 in) |
| Front discs thickness | 3.5 mm (.138 in) |
| Rear disc thickness | 4.3 mm (.170 in) |
| Maximum discs warpage | 0.3 mm (.010 in) |

See your authorized Can-Am dealer if a problem is detected concerning the brake system.

## Brake Fluid Replacement

**⚠ WARNING**

The brake fluid replacement or any brake system repairs should be performed by an authorized Can-Am dealer.

## Engine Area

Check engine area for any damage and leaks. Ensure all hose clamps are properly secured and no hose is cracked, kinked or otherwise damaged.

Inspect muffler, battery and reservoir fastening devices.

Check electrical connections for corrosion and tightness.

Replace or have damaged parts repaired.

## Hitch/Trailer Ball Condition

Check tightness of fasteners and tightness/condition of trailer ball. Properly retighten as necessary and replace ball if worn.

## Chassis Fasteners

Check fastener condition and tightness on the vehicle. Retighten as required.

## Seat Fasteners

Remove seat and check latch mechanism and pin for wear. See an authorized Can-Am dealer for parts replacement if damaged.

## Vehicle Cleaning and Protection

Never use a high pressure washer to clean the vehicle. **USE LOW PRESSURE ONLY (like a garden hose).** High pressure can cause electrical or mechanical damages.

Painted parts which are damaged should be properly repainted to prevent rust.

When required, wash the body with hot water and soap (only use mild detergent). Apply non-abrasive wax.

**CAUTION: Never clean plastic parts with strong detergent, degreasing agent, paint thinner, acetone, etc.**

While reading this Operator's Guide, remember that:

**⚠ WARNING**

**Indicates a potential hazard that, if not avoided, could result in serious injury or death.**

# STORAGE AND PRESEASON PREPARATION

**⚠ WARNING**

Have an authorized Can-Am dealer inspects fuel system integrity as specified in *MAINTENANCE CHART*.

When a vehicle is not in use for more than one month, proper storage is a necessity.

See an authorized Can-Am dealer for proper procedures.

When using your vehicle after storage, a preparation is required. See an authorized Can-Am dealer for proper procedures.

# *WARRANTY*

# BRP LIMITED WARRANTY NORTH AMERICA: 2007 CAN-AM™ ATV

## 1) SCOPE OF THE LIMITED WARRANTY

Bombardier Recreational Products Inc. ("BRP")* warrants its 2007 Can-Am ATV from defects in material or workmanship for the period and under the conditions described below.

All genuine Can-AmATV parts and accessories, installed by an authorized Can-Am dealer (as hereinafter defined) at the time of delivery of the 2007 Can-Am ATV, carry the same warranty as that of the Can-Am ATV.

If your 2007 Outlander™ 400 XT, Outlander 400 XT Max, Outlander 500 XT, Outlander 500 XT Max, Outlander 650 HO EFI XT, Outlander 650 HO EFI XT Max, Outlander 800 XT and Outlander 800 XT Max Can-Am ATV is originally equipped with Carlisle† tires then the tires are warranted separately by the tire manufacturer. If such a tire is installed on your Can-Am ATV, please contact the manufacturer or ask your authorized Can-Am dealer for warranty coverage and assistance.

Carlisle Tire & Wheel Company
(certain 2007 Outlander 400 XT, Outlander 400 XT Max, Outlander 500 XT, Outlander 500 XT Max, Outlander 650 HO EFI XT, Outlander 650 HO EFI XT Max, Outlander 800 XT and Outlander 800 XT Max Can-Am ATV),
23 Windham Boulevard,
Aiken, SC 29805.
Warranty Information:
in USA 1-800-260-7959
in Canada 1-800-265-6155
in Quebec 1-877-997-4999

If your 2007 Outlander 400 XT, Outlander 400 XT Max, Outlander 500 XT, Outlander 500 XT Max, Outlander 650 HO EFI XT, Outlander 650 HO EFI XT Max, Outlander 800 XT and Outlander 800 XT Max Can-Am ATV was originally equipped with another make of tire, they are warranted directly by BRP and not by the tire manufacturer.

Use of the product for racing or any other competitive activity, at any point, even by a previous owner, will render this warranty null and void.

## 2) WARRANTY COVERAGE PERIOD

This warranty will be in effect from the date of delivery to the first retail consumer or the date the product is first put into use, whichever occurs first and for a period of:

SIX (6) CONSECUTIVE MONTHS, for private use or commercial use owners.

The emission-related components included in the chart below, that are installed on EPA certified Can-Am ATV's (see list below) registered in the USA are covered for thirty (30) consecutive months.

The EPA certified Can-Am ATV's are those equipped with: **400 (Outlander), 500 (Outlander), 650 HO EFI (Outlander) and 800 (Outlander) engines:**

| EMISSION-RELATED COMPONENTS | 400 | 500/650 HO EFI/800 |
|---|---|---|
| Carburetor | X | |
| Carburetor air intake adapter | X | |
| Engine air intake adapter | X | |
| Fuel pump | X | |
| Ignition coil | X | |
| TPS (throttle position sensor) | | X |
| TMAPS (Temperature and manifold air pressure sensor) | | X |
| Fuel pressure regulator | | X |
| Fuel injectors | | X |
| ECM (Engine Control Module) | | X |
| Crankcase ventilation system | | X |
| Cylinder head gasket | | X |
| Intake runner seal | | X |

The repair or replacement of parts or the performance of service under this warranty does not extend the life of this warranty beyond its original expiration date.

## 3) CONDITIONS TO HAVE WARRANTY COVERAGE

This warranty coverage is available only on 2007 Can-Am ATVs purchased as new and unused by its first owner from a Can-Am dealer authorized to distribute Can-Am ATV products in the country in which the sale occurred ("Can-Am ATV dealer"), and then only after the BRP specified pre-delivery inspection process is completed and documented. Warranty coverage only becomes available upon proper registration of the product by an authorized Can-Am dealer. Moreover, this warranty coverage is only available if the Can-Am ATV is purchased in the country in which the purchaser resides. BRP will not honor this limited warranty to any private use owner or commercial use owner if the preceding conditions have not been met. Such limitations are necessary in order to allow BRP to preserve both the safety of its products, and also that of its consumers and the general public.

Routine maintenance outlined in the Operator's Guide must be timely performed in order to maintain warranty coverage. BRP reserves the right to make warranty coverage contingent upon proof of proper maintenance.

## 4) WHAT TO DO TO OBTAIN WARRANTY COVERAGE

The customer must notify a servicing Can-Am dealer within two (2) days of the appearance of a defect, and provide it with reasonable access to the product and reasonable opportunity to repair it. The customer must also present to the authorized Can-Am dealer, proof of purchase of the product and must sign the repair/work order prior to starting the repair in order to validate the warranty repair. All parts replaced under this limited warranty become the property of BRP.

## 5) WHAT BRP WILL DO

BRP's obligations under this warranty are limited to, at its sole discretion, repairing parts found defective under normal use, maintenance and service, or replacing such parts with new genuine Can-Am ATV parts without charge for parts and labor, at any authorized Can-Am dealer during the warranty coverage period.

BRP reserves the right to improve or modify products from time to time without assuming any obligation to modify products previously manufactured.

## 6) EXCLUSIONS - ARE NOT WARRANTED

The following are not warranted under any circumstances:

- Normal wear and tear;
- Routine maintenance items, tune ups, adjustments;
- Damage caused by failure to provide proper maintenance and/or storage, as described in the Operator's Guide;
- Damage resulting from removal of parts, improper repairs, service, maintenance, modifications or use of parts not manufactured or approved by BRP or resulting from repairs done by a person that is not an authorized servicing Can-Am dealer;
- Damage caused by abuse, abnormal use, neglect or operation of the product in a manner inconsistent with the recommended operation described in the Can-Am ATV Operator's Guide;
- Damage resulting from accident, submersion, fire, theft, vandalism or any act of God;
- Operation with fuels, oils or lubricants which are not suitable for use with the product (see the Operator's Guide);
- Water or snow ingestion;
- Incidental or consequential damages, or damages of any kind including without limitation towing, storage, telephone, rental, taxi, inconvenience, insurance coverage, loan payments, loss of time, loss of income.

## 7) LIMITATIONS OF LIABILITY

THIS WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY. SOME STATES/PROVINCES DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS AND EXCLUSIONS IDENTIFIED ABOVE, AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE, OR PROVINCE TO PROVINCE.

Neither the distributor, any Can-Am dealer nor any other person has been authorized to make any affirmation, representation or warranty regarding the product, other than those contained in this limited warranty, and if made, shall not be enforceable against BRP.

BRP reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the products sold while this warranty is in effect.

## 8) TRANSFER

If the ownership of a product is transferred during the warranty coverage period, this warranty shall also be transferred and be valid for the remaining coverage period provided that BRP is notified of such transfer of ownership in the following way:

a) The former owner contacts BRP (at the phone number provided below) or an authorized Can-Am dealer and gives the coordinates of the new owner; or

b) BRP or an authorized Can-Am dealer receives a proof that the former owner agreed to the transfer of ownership, in addition to the coordinates of the new owner.

## 9) CONSUMER ASSISTANCE

a) In the event of a controversy or a dispute in connection with this limited warranty, BRP suggests that you try to resolve the issue at the dealership level. We recommend discussing the issue with the authorized dealer's service manager or owner.

b) If the issue has not yet been resolved, please submit your complaint in writing or call the appropriate number below:

**IN CANADA**

BOMBARDIER RECREATIONAL PRODUCTS INC.
CAN-AM ATV
CONSUMER SERVICES GROUP
VALCOURT QC J0E 2L0
Tel : (819) 566-3366

**IN USA**

BRP US Inc.
CAN-AM ATV
CONSUMER SERVICES GROUP
7575 BOMBARDIER COURT
WAUSAU WI 54401
Tel : (715) 848-4957

* In the USA, products are distributed and serviced by BRP US Inc.

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® Registered trademark and ™ trademark of Bombardier Recreational Products Inc. or its affiliates.
† Carlisle is a trademark of Carlisle Tire & Wheel Company.

# BRP INTERNATIONAL LIMITED WARRANTY: 2007 CAN-AM™ ATV

## 1) SCOPE OF THE LIMITED WARRANTY

Bombardier Recreational Products Inc. ("BRP") warrants its 2007 Can-Am ATV from defects in material or workmanship for the period and under the conditions described below.

All genuine Can-Am ATV parts and accessories, installed by an authorized Can-Am distributor/dealer (as hereinafter defined) at the time of delivery of the 2007 Can-Am ATV, carry the same warranty as that of the Can-Am ATV.

Use of the product for racing or any other competitive activity, at any point, even by a previous owner; will render this warranty null and void.

## 2) WARRANTY COVERAGE PERIOD

This warranty will be in effect from the date of delivery to the first retail consumer or the date the product is first put into use, whichever occurs first and for a period of:

SIX (6) CONSECUTIVE MONTHS, for private use or commercial use owners. Note that the effective warranty coverage period may, according to the applicable and prevailing national or local legislation, vary[1]. Please contact your dealer or distributor to know the specifics of your warranty coverage period.

The repair or replacement of parts or the performance of service under this warranty does not extend the life of this warranty beyond its original expiration date.

## 3) CONDITIONS TO HAVE WARRANTY COVERAGE

This warranty coverage is available only on 2007 Can-Am ATVs purchased as new and unused by its first owner from a Can-Am distributor/dealer authorized to distribute Can-Am ATV products in the country in which the sale occurred ("Can-Am distributor/dealer"), and then only after the BRP specified pre-delivery inspection process is completed and documented. Warranty coverage only becomes available upon proper registration of the product by an authorized Can-Am distributor/dealer. Moreover, this warranty coverage is only available if the Can-Am ATV is purchased in the country in which the purchaser resides. BRP will not honor this limited warranty to any private use owner or commercial use owner if the preceding conditions have not been met. Such limitations are necessary in order to allow BRP to preserve both the safety of its products, and also that of its consumers and the general public.

[1] For EU member states the duration of the warranty coverage period is 24 months from the date of delivery of the vehicle and the defect notification period is 2 months; any other modalities of the warranty are subject to the applicable national or local legislation governing the sale of consumer goods.

Routine maintenance outlined in the Operator's Guide must be timely performed in order to maintain warranty coverage. BRP reserves the right to make warranty coverage contingent upon proof of proper maintenance.

## 4) WHAT TO DO TO OBTAIN WARRANTY COVERAGE

The customer must notify a servicing Can-Am distributor/dealer within two (2) days[1] of the appearance of a defect, and provide it with reasonable access to the product and reasonable opportunity to repair it. The customer must also present to the authorized Can-Am distributor/dealer, proof of purchase of the product and must sign the repair/work order prior to starting the repair in order to validate the warranty repair. All parts replaced under this limited warranty become the property of BRP.

## 5) WHAT BRP WILL DO

BRP's obligations under this warranty are limited to, at its sole discretion, repairing parts found defective under normal use, maintenance and service; or replacing such parts with new genuine Can-Am ATV parts without charge for parts and labour, at any authorized Can-Am distributor/dealer.

BRP reserves the right to improve or modify products from time to time without assuming any obligation to modify products previously manufactured.

## 6) EXCLUSIONS - ARE NOT WARRANTED

The following are not warranted under any circumstances:

- Normal wear and tear;
- Routine maintenance items, tune ups, adjustments;
- Damage caused by failure to provide proper maintenance and/or storage, as described in the Operator's Guide;
- Damage resulting from removal of parts, improper repairs, service, maintenance, modifications or use of parts not manufactured or approved by BRP or resulting from repairs done by a person that is not an authorized servicing Can-Am distributor/dealer;
- Damage caused by abuse, abnormal use, neglect or operation of the product in a manner inconsistent with the recommended operation described in the Operator's Guide;
- Damage resulting from accident, submersion, fire, theft, vandalism or any act of God;
- Operation with fuels, oils or lubricants which are not suitable for use with the product (see the Operator's Guide);
- Water or snow ingestion;

[1] For EU member states the duration of the warranty coverage period is 24 months from the date of delivery of the vehicle and the defect notification period is 2 months; any other modalities of the warranty are subject to the applicable national or local legislation governing the sale of consumer goods.

- Incidental or consequential damages, or damages of any kind including without limitation towing, storage, telephone, rental, taxi, inconvenience, insurance coverage, loan payments, loss of time, loss of income.

## 7) LIMITATIONS OF LIABILITY

THIS WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY. SOME JURISDICTIONS DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS AND EXCLUSIONS IDENTIFIED ABOVE, AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROM COUNTRY TO COUNTRY.

Neither the distributor, any BRP dealer nor any other person has been authorized to make any affirmation, representation or warranty regarding the product, other than those contained in this limited warranty, and if made, shall not be enforceable against BRP.

BRP reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the products sold while this warranty is in effect.

## 8) TRANSFER

If the ownership of a product is transferred during the warranty coverage period, this warranty shall also be transferred and be valid for the remaining coverage period provided BRP or an authorized Can-Am distributor/dealer receives a proof that the former owner agreed to the transfer of ownership, in addition to the coordinates of the new owner.

## 9) CONSUMER ASSISTANCE

a) In the event of a controversy or a dispute in connection with this limited warranty, BRP suggests that you try to resolve the issue at the dealership level. We recommend discussing the issue with the authorized dealer's service manager or owner.

b) If further assistance is required, the distributor's service department should be contacted in order to resolve the matter.

c) If the matter still remains unresolved then contact BRP by writing to us at the address listed below.

BRP EUROPE N.V.
CAN-AM ATV
CONSUMER SERVICE CENTER
BELGIUM
TEL : +32 (0) 9 272 63 30

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# PRIVACY OBLIGATION/DISCLAIMER

We wish to inform you that your coordinates will be used for safety and warranty purposes. Sometimes, we also use the coordinates of our clients to inform them about our products and to present them offers. Should you prefer not to receive information on our product, services and offers, please let us know by writing to the address below.

Also note that, from time to time, carefully selected and trustworthy organizations may be permitted to use the coordinates of our clients to promote quality products and services. If you prefer not to have your name and address released, please let us know by writing to the address below.

**IN CANADA**

Bombardier Recreational Products Inc.
Warranty Department
75 J.A. Bombardier Street
Sherbrooke, Québec J1L 1W3
Fax Number: (819) 566-3590

**IN USA**

BRP US Inc.
Warranty Department
7575 Bombardier Court
Wausau WI 54401
Tel : (715) 848-4957

**OTHER COUNTRIES IN THE WORLD**

BRP European Distribution
Warranty Department
Chemin de Messidor 5-7
1006 Lausanne Switzerland
Fax Number: +41213187801

# CHANGE OF ADDRESS/OWNERSHIP

If your address has changed or if you are the new owner of the ATV, be sure to notify BRP by either:

– mailing one of the following card below;
– North America Only: calling at (715) 848-4957 (USA) or (819) 566–3366 (Canada);
– notifying an authorized Can-Am dealer.

In case of change of ownership, please join a proof that the former owner agreed to the transfer.

Notifying BRP, even after the expiration of the limited warranty, is very important as it enables BRP to reach the ATV owner if necessary, like when safety recalls are initiated. It is the owner's responsibility to notify BRP.

STOLEN UNITS: If your personal ATV is stolen, you should notify BRP or an authorized Can-Am dealer. We will ask you to provide your name, address, phone number, the vehicle identification number and the date it was stolen.

**IN NORTH AMERICA**
Bombardier Recreational Products Inc.
Warranty Department
75 J.A. Bombardier Street
Sherbrooke, Québec J1L 1W3
Canada

**OTHER COUNTRIES IN THE WORLD**
BRP European Distribution
Warranty Department
Chemin de Messidor 5-7
1006 Lausanne
Switzerland

CHANGE OF ADDRESS ❑ CHANGE OF OWNERSHIP ❑

VEHICLE IDENTIFICATION NUMBER

Model Number | Vehicle Identification Number (V.I.N.)

OLD ADDRESS OR PREVIOUS OWNER:

NAME

NO. STREET APT

CITY STATE/PROVINCE ZIP/POSTAL CODE

COUNTRY TELEPHONE

NEW ADDRESS OR NEW OWNER:

NAME

NO. STREET APT

CITY STATE/PROVINCE ZIP/POSTAL CODE

COUNTRY TELEPHONE

V00A2F

# CHANGE OF ADDRESS/OWNERSHIP

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**IN NORTH AMERICA**
Bombardier Recreational Products Inc.
Warranty Department
75 J.A. Bombardier Street
Sherbrooke, Québec J1L 1W3
Canada

**OTHER COUNTRIES IN THE WORLD**
BRP European Distribution
Warranty Department
Chemin de Messidor 5-7
1006 Lausanne
Switzerland

CHANGE OF ADDRESS ❑ CHANGE OF OWNERSHIP ❑

VEHICLE IDENTIFICATION NUMBER

Model Number | Vehicle Identification Number (V.I.N.)

OLD ADDRESS OR PREVIOUS OWNER:

NAME

NO. STREET APT

CITY STATE/PROVINCE ZIP/POSTAL CODE

COUNTRY TELEPHONE

NEW ADDRESS OR NEW OWNER:

NAME

NO. STREET APT

CITY STATE/PROVINCE ZIP/POSTAL CODE

COUNTRY TELEPHONE

V00A2F

# CHANGE OF ADDRESS/OWNERSHIP

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– North America Only: calling at (715) 848-4957 (USA) or (819) 566–3366 (Canada);
– notifying an authorized Can-Am dealer.

In case of change of ownership, please join a proof that the former owner agreed to the transfer.

Notifying BRP, even after the expiration of the limited warranty, is very important as it enables BRP to reach the ATV owner if necessary, like when safety recalls are initiated. It is the owner's responsibility to notify BRP.

STOLEN UNITS: If your personal ATV is stolen, you should notify BRP or an authorized Can-Am dealer. We will ask you to provide your name, address, phone number, the vehicle identification number and the date it was stolen.

**IN NORTH AMERICA**
Bombardier Recreational Products Inc.
Warranty Department
75 J.A. Bombardier Street
Sherbrooke, Québec J1L 1W3
Canada

**OTHER COUNTRIES IN THE WORLD**
BRP European Distribution
Warranty Department
Chemin de Messidor 5-7
1006 Lausanne
Switzerland

CHANGE OF ADDRESS ❑ CHANGE OF OWNERSHIP ❑

VEHICLE IDENTIFICATION NUMBER

Model Number | Vehicle Identification Number (V.I.N.)

OLD ADDRESS OR PREVIOUS OWNER:

NAME

NO. STREET APT

CITY STATE/PROVINCE ZIP/POSTAL CODE

COUNTRY TELEPHONE

NEW ADDRESS OR NEW OWNER:

NAME

NO. STREET APT

CITY STATE/PROVINCE ZIP/POSTAL CODE

COUNTRY TELEPHONE

V00A2F

**ATV** MODEL No. _____

**VEHICLE**
IDENTIFICATION NUMBER (V.I.N.) _____

**ENGINE**
IDENTIFICATION NUMBER (E.I.N.) _____

**Owner:** _____
NAME

_____
No. STREET APT

_____
CITY STATE/PROVINCE ZIP/POSTAL CODE

**Purchase Date** _____ | | | | |
YEAR MONTH DAY

**Warranty Expiry Date** _____ | | | | |
YEAR MONTH DAY

To be completed by the dealer at the time of the sale.

DEALER IMPRINT AREA

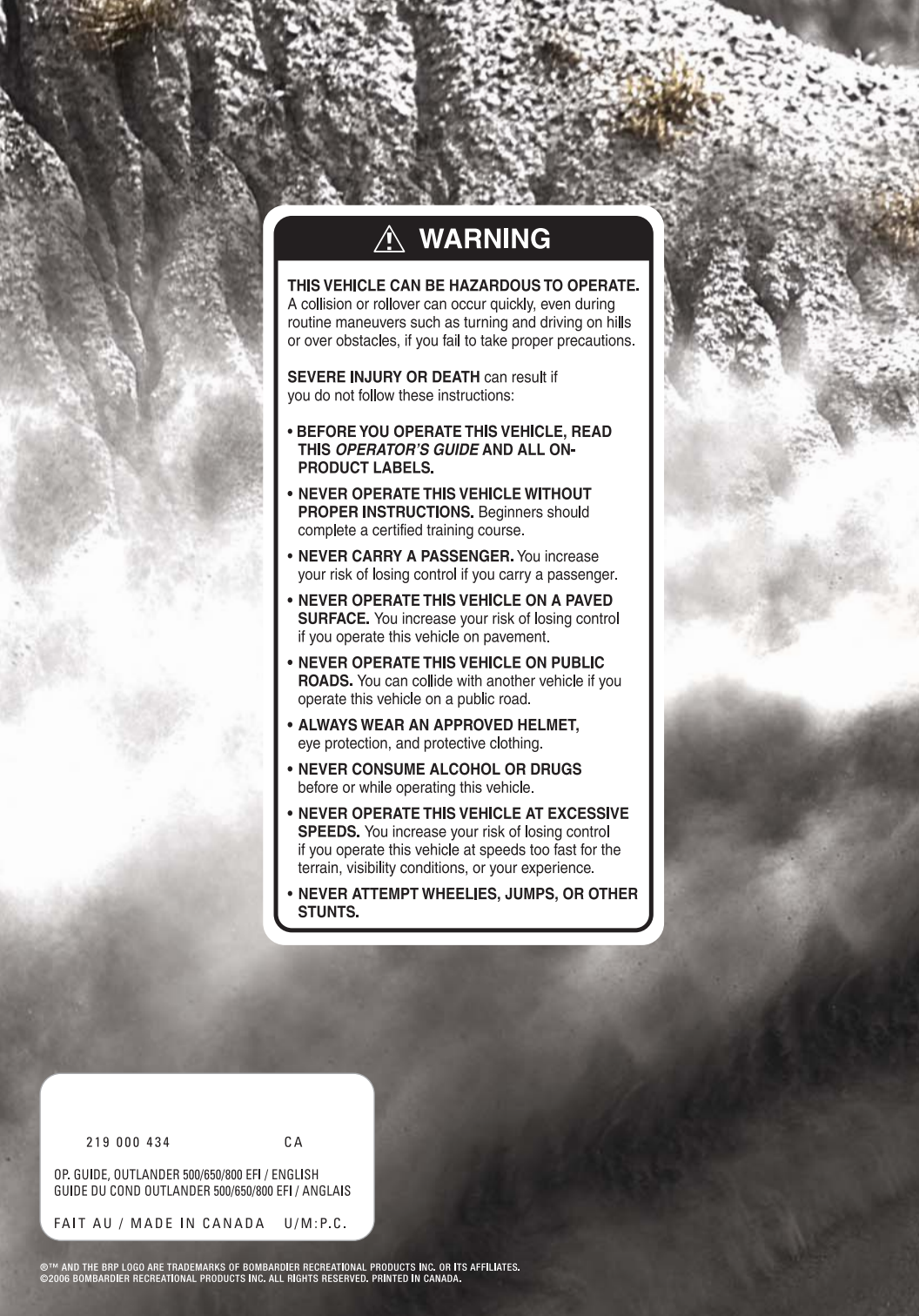
V00A2IL

Please verify with your dealer to ensure your vehicle has been registered with BRP.

While reading this Operator's Guide, remember that:

**⚠ WARNING**

Indicates a potential hazard that, if not avoided, could result in serious injury or death.



## ⚠ WARNING

**THIS VEHICLE CAN BE HAZARDOUS TO OPERATE.** A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

**SEVERE INJURY OR DEATH** can result if you do not follow these instructions:

- **BEFORE YOU OPERATE THIS VEHICLE, READ THIS *OPERATOR'S GUIDE* AND ALL ON-PRODUCT LABELS.**
- **NEVER OPERATE THIS VEHICLE WITHOUT PROPER INSTRUCTIONS.** Beginners should complete a certified training course.
- **NEVER CARRY A PASSENGER.** You increase your risk of losing control if you carry a passenger.
- **NEVER OPERATE THIS VEHICLE ON A PAVED SURFACE.** You increase your risk of losing control if you operate this vehicle on pavement.
- **NEVER OPERATE THIS VEHICLE ON PUBLIC ROADS.** You can collide with another vehicle if you operate this vehicle on a public road.
- **ALWAYS WEAR AN APPROVED HELMET,** eye protection, and protective clothing.
- **NEVER CONSUME ALCOHOL OR DRUGS** before or while operating this vehicle.
- **NEVER OPERATE THIS VEHICLE AT EXCESSIVE SPEEDS.** You increase your risk of losing control if you operate this vehicle at speeds too fast for the terrain, visibility conditions, or your experience.
- **NEVER ATTEMPT WHEELIES, JUMPS, OR OTHER STUNTS.**

219 000 434 CA

OP. GUIDE, OUTLANDER 500/650/800 EFI / ENGLISH
GUIDE DU COND OUTLANDER 500/650/800 EFI / ANGLAIS

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