can-am™

BRP

DS 70/DS 90/DS 90 X

2011

Operator's Guide

Includes
Safety, Vehicle
and Maintenance Information

DS 70™
DS 90™
DS 90™ X™

2011

⚠ WARNING

Read this guide thoroughly. It contains important safety information.
Category Y ATV, always follow this age recommendation under adult supervision:
Age 6 or older for DS 70. Age 10 or older for DS 90 and DS 90 X.
Keep this Operator's Guide in the vehicle.

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⚠ WARNING

YOUR VEHICLE CAN BE HAZARDOUS TO OPERATE. A collision or rollover can occur quickly if you fail to take proper precautions, even during routine maneuvers such as turning and driving on hills or over obstacles.
For your safety, understand and follow all the warnings contained in this Operator's Guide and on 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 DVD* and on-product labels can result in severe injury including the possibility of death!

CALIFORNIA PROPOSITION 65 WARNING

⚠ WARNING

This product contains or emits chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

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DS 70™

DS 90™

XPS™

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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 adjustments before you took possession. If you need more complete servicing information, please ask your dealer.

At delivery, you were also informed of the warranty coverage and signed the *PREDELIVERY CHECK LIST* to ensure your new vehicle was prepared to your entire satisfaction.

Know Before You Go

To learn how to reduce the risk for you or bystanders being injured or killed, read this Operator's Guide before you operate the vehicle:

Also, read all safety labels on your ATV and watch your *SAFETY DVD*.

These vehicles are a category "Y" (Youth Model), always follow this age recommendation:

- DS 70™ vehicle is a category Y-6+ and should be used by children age 6 or older under adult supervision, or by an operator age 16 or older.
- DS 90™ and DS 90 X vehicles are a category Y-10+ and should be used by children age 10 or older under adult supervision, or by an operator age 16 or older.
- Also, never allow continued use of an ATV by a child if the child does not have the abilities to operate it safely, regardless of age.

Failure to follow the warnings contained in this Operator's Guide can result in SERIOUS INJURY or DEATH.

Safety Messages

The types of safety messages, what they look like, and how they are used in this guide are explained as follows:

⚠ WARNING

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

⚠ CAUTION Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE **Indicates an instruction which, if not followed, could result in severely damaged vehicle components or other property.**

About This Operator's Guide

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.

Keep this Operator's Guide in the vehicle so that you can refer to it for things such as maintenance, troubleshooting and for instructing others.

Note that this guide is available in several languages. In the event of any discrepancy, the English version shall prevail.

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**.

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The information contained in this document are correct at the time of publication. However, BRP 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.

This Operator's Guide and the *SAFETY DVD* should remain with the vehicle when it's sold.

Notice to Parents

Review this Operator's Guide with any user of the vehicle.

Please take time with the children to review the instructions on its safe and proper use, and pay particular attention to the on-product safety labels, before allowing them to ride the vehicle.

Understand the controls and operation of the vehicle and carefully read the Operator's Guide.

Always remember that your approach to safety influences the child.

⚠ WARNING

This ATV is not a toy.

- Children differ in skills, physical abilities, and judgement. Some children may not be able to operate an ATV safely.
- No one under age 16 should operate an ATV without adult supervision at all times.
- Never allow continued use of the vehicle by a child if he does not have the abilities, the strength or the judgement to operate it safely.
- BRP recommends that all ATV riders take a training course. For safety and training information, contact an authorized Can-Am dealer or call the Specialty Vehicle Institute of America (SVIA) at 1 800 887-2887 or in Canada, the Canada Safety Council (CSC) at 1 613 739-1535.

While reading this Operator's Guide, remember that:

⚠ WARNING

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

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SAFETY INFORMATION

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Avoid Carbon Monoxide Poisoning

All engine exhaust contains carbon monoxide, a deadly gas. Breathing carbon monoxide can cause headaches, dizziness, drowsiness, nausea, confusion and eventually death.

Carbon monoxide is a colorless, odorless, tasteless gas that may be present even if you do not see or smell any engine exhaust. Deadly levels of carbon monoxide can collect rapidly, and you can quickly be overcome and unable to save yourself. Also, deadly levels of carbon monoxide can linger for hours or days in enclosed or poorly ventilated areas. If you experience any symptoms of carbon monoxide poisoning, leave the area immediately, get fresh air and seek medical treatment.

To prevent serious injury or death from carbon monoxide:

- Never run the vehicle in poorly ventilated or partially enclosed areas such as garages, carports or barns. Even if you try to ventilate engine exhaust with fans or open windows and doors, carbon monoxide can rapidly reach dangerous levels.
- Never run the vehicle outdoors where engine exhaust can be drawn into a building through openings such as windows and doors.

Avoid Gasoline Fires and Other Hazards

Gasoline is extremely flammable and highly explosive. Fuel vapors can spread and be ignited by a spark or flame many feet away from the engine. To reduce the risk of fire or explosion, follow these instructions:

- Use only an approved red gasoline container to store fuel.
- Strictly adhere to instructions in *FUEL* subsection.
- Never start or operate the engine if the fuel cap is not properly installed.

Gasoline is poisonous and can cause injury or death.

- Never siphon gasoline by mouth.
- If you swallow gasoline, get any in your eye(s), or inhale gasoline vapor, see your doctor immediately.

If gasoline spills on you, wash with soap and water and change your clothes.

Avoid Burns from Hot Parts

The exhaust system and engine become hot during operation. Avoid contact during and shortly after operation to avoid burns.

Accessories and Modifications

Do not make unauthorized modifications, or use attachments or accessories that are not approved by BRP. Since these changes have not been tested by BRP, they may increase the risk of crashes or injury, and can render the vehicle illegal.

See your authorized Can-Am dealer for available accessories for your vehicle.

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SPECIAL SAFETY MESSAGES

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

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

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

– Read this Operator's Guide and all on-product safety labels carefully and follow the operating procedures described. Watch and pay attention to the *SAFETY DVD* before operating the vehicle.

– Always follow this age recommendation: DS 70 vehicle should be used by children age 6 or older under adult supervision, or by an operator age 16 or older.

– Always follow this age recommendation: DS 90 and DS 90 X vehicles should be used by children age 10 or older under adult supervision, or by an operator age 16 or older.

– Also, never allow continued use of an ATV by a child if he does not have the abilities to operate it safely, regardless of age.

– 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 visor), gloves, boots, long sleeved shirt or jacket, and long pants.

– Never ride this vehicle if you are tired, ill, or under the influence of alcohol or drugs. Your reaction time and judgement is greatly affected under these conditions.

– 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 prior to each time you use it to make sure it is in a 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 footpegs 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.

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– 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 keep in mind that braking distance is readily affected by but not limited to; weather and terrain conditions, braking system and tire conditions, vehicle speed and attitude. Remember to adjust your driving accordingly.

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– BRP recommends sitting on your ATV when operating in reverse. Avoid standing up. Your weight could shift forward against the throttle lever causing an unexpected acceleration and loss of control.
– 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 load a youth model vehicle.
– Never operate this vehicle without proper instruction. **Take a training course.** All operators should receive training from a certified instructor.

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 1 800 887-2887 or in Canada, the Canada Safety Council (CSC) at 1 613 739-1535.

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OPERATION WARNINGS

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

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

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

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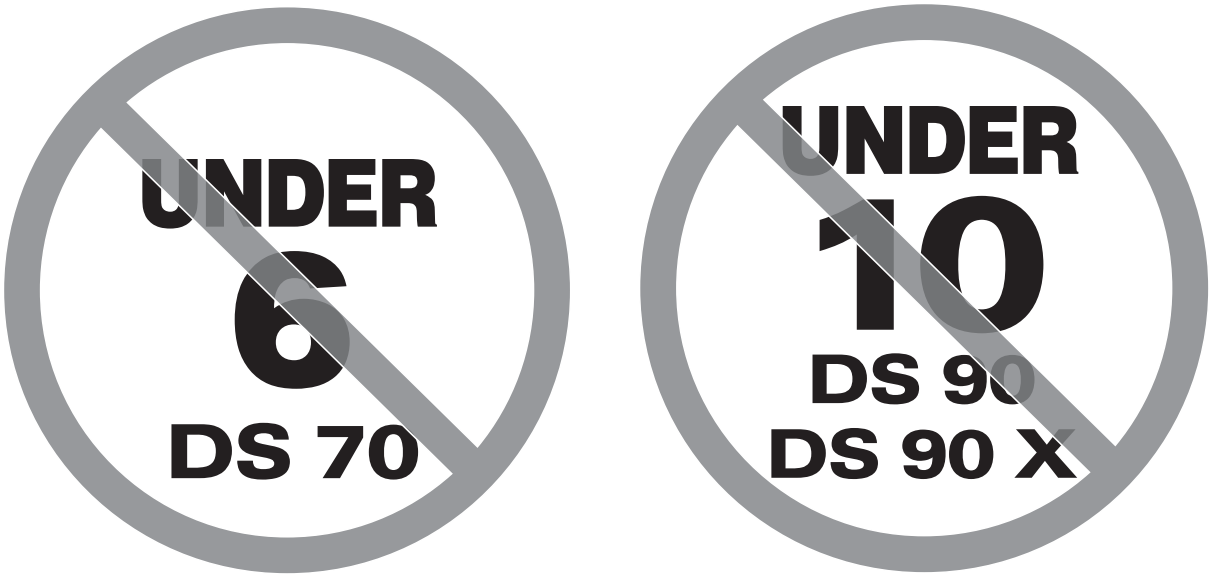
⚠ WARNING



POTENTIAL HAZARD

Failure to follow the age recommendations for this vehicle.

WHAT CAN HAPPEN

Use by children of ATVs that are not recommended for their age 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

DS 70 vehicle should be used by children age 6 or older under adult supervision, or by an operator age 16 or older.

DS 90 and DS 90 X vehicles should be used by children age 10 or older under adult supervision, or by an operator age 16 or older.

Also, never allow continued use of an ATV by a child if he does not have the abilities to operate it safely, regardless of age.

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⚠ 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).

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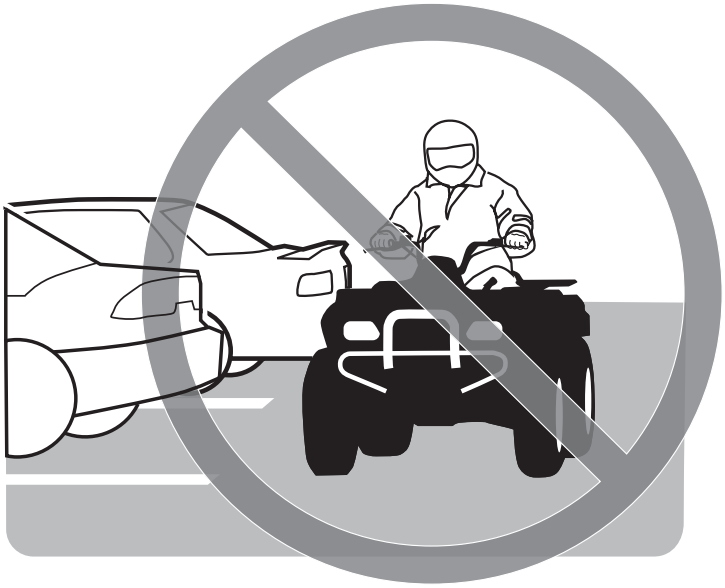
⚠ WARNING



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.

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⚠ 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.

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⚠ WARNING

V00A06Q

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 visor)
- Gloves and boots
- Long sleeved shirt or jacket
- Long pants.

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⚠ 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.

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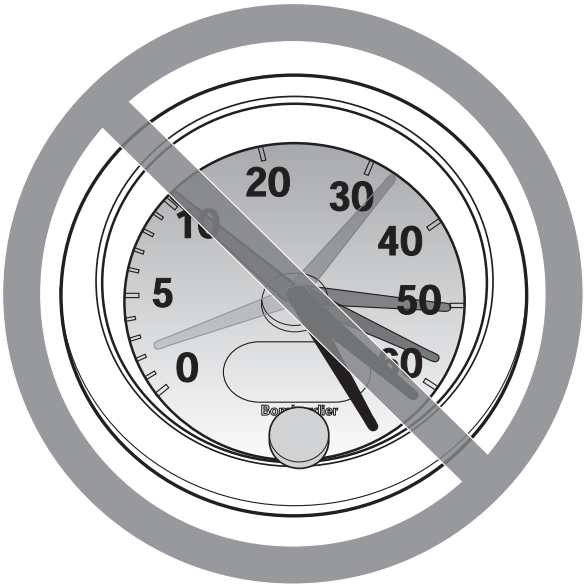
⚠ WARNING



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 apropriate for the terrain, visibility and operating conditions, and your experience.

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⚠ 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 prior to every 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.

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⚠ WARNING

POTENTIAL HAZARD

Riding on frozen waterways.

WHAT CAN HAPPEN

Breaking through the ice can lead to severe injury or death.

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.

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⚠ 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.

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⚠ 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.

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⚠ 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.

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⚠ WARNING

V00AQQ

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.

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⚠ 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.

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⚠ 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.

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⚠ 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.

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⚠ 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 have 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 when 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.

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⚠ 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.

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⚠ 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.

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⚠ 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.

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⚠ 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.

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⚠ 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.

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⚠ 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's limited warranty. In addition, certain modifications including the removal of engine or exhaust components are illegal under most laws.

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⚠ WARNING

V00A0PQ

POTENTIAL HAZARD

Overloading this vehicle, 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 load cargo on this vehicle.

Never tow cargo or another vehicle with this vehicle.

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⚠ 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.

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RIDING THE VEHICLE

While reading this Operator's Guide, remember that:

⚠ WARNING

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

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.

Please take the time to study this Operator's Guide and all on-product safety labels as well as the *SAFETY DVD* that came with this vehicle. They more completely describe what you should know about this vehicle before riding it.

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, call the Specialty Vehicle Institute of America (SVIA) at 1 800 887-2887 or in Canada, the Canada safety Council (CSC) at 1 613 739-1535.

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.

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

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.

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 skills. Show good judgement. Always proceed with caution. Please do not take any unnecessary risks that could leave you stranded or possibly injured.

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 tip over, the best advice is to immediately get off... AWAY from the direction of the tip over!

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Pre-Ride Inspection

⚠ WARNING

Perform a pre-ride inspection before each ride to detect any potential problem that could occur during operation. The pre-ride inspection can help you monitor wear and deterioration before they become a problem. Correct any problem that you discover to reduce the risk of a breakdown or crash. See an authorized Can-Am dealer if necessary.

Before using this vehicle, the operator and/or an adult should always perform the following pre-ride inspection check list.

Pre-Ride Inspection Check List

What to Do Before Starting the Engine (Key OFF)

ITEMS TO BE INSPECTED	INSPECTION TO PERFORM	✔
Fluids	Check fuel and engine oil.	
	Check brake system for fluid leaks (DS 90 X).	
Leaks	Check for any leaks under vehicle.	
Steering	Check if steering operates freely by completely turning it from side to side.	
Throttle lever	Activate throttle lever several times to ensure it operates freely. It must return to idle position when released.	
	Ensure the speed limiter screw is properly adjusted according to rider capability.	
Parking brake	Apply parking brake and ensure it operates properly.	
Tires	Check tire pressure and condition.	
Wheels	Check wheels for damage.	
Radiator	Check cleanliness of the radiator.	
Drive chain and sprockets	Inspect sprockets for wear or damages.	
	Check drive chain, slider and drive chain tensioner for proper adjustment and lubrication (as applicable).	

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ITEMS TO BE INSPECTED	INSPECTION TO PERFORM	✔
Seat	Ensure operator seat is properly installed and latched.	
Service and storage compartments	Check if service and storage compartments are properly latched.	
Chassis and suspension	Check underneath vehicle for any debris on chassis or suspension, properly clean chassis and suspension.	

What to Do Before Starting the Engine (Key ON)

ITEMS TO BE INSPECTED	INSPECTION TO PERFORM	✔
Indicator lamps	Check operation of engine oil/temperature indicator lamp (during first few seconds of key ON).	
	Ensure the N (neutral) and R (reverse) indicator lamps come ON as applicable to transmission lever selection.	
Lights	Check operation and cleanliness of headlights and taillight.	
	Check operation of high and low beam.	
	Check operation of brake light.	
Engine	Ensure fuel valve is selected to the ON position.	

What to Do After the Engine is Started

ITEMS TO BE INSPECTED	INSPECTION TO PERFORM	✔
Indicator lamps	Ensure engine oil/temperature indicator lamp is off (shut engine off if light remains on).	
Transmission lever	Check operation of transmission lever (F, N, and R).	
Brakes	Drive forward slowly a few feet and apply all brakes individually to test them. The brakes must fully apply. Lever and pedal must fully return when released.	
Emergency engine stop switch	Check that the emergency engine stop switch is working properly.	
Ignition switch	Check if ignition switch is working properly by restarting and stopping the engine.	

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Clothing

Actual weather conditions should help you decide how to dress. Always dress for the coldest weather expected. Thermal underwear next to the skin provides good insulation. It is important that the operator always wears the appropriate protective clothing and apparel, including an approved helmet, eye protection, boots, gloves, a long sleeved shirt and pants. This type of clothing will provide you protection from some of the minor hazards you may encounter en route. The 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, anti-fogging goggles or sun glasses may be required. Sun glasses should only be worn during the daytime. Different colored lenses available for goggles or glasses help you distinguish terrain variations.

V00A0RN

Riders with appropriate riding gear

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Carrying a Passenger

This vehicle is designed specifically to carry an operator only. Even with a long seat, this vehicle is not designed nor intended to carry passenger(s). Carrying passenger(s) may affect the stability and your control of the vehicle.

Carrying Loads

Never load cargo on this vehicle.

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.

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.

Depending on the length of your ride, carry additional tools, drinking water, food and emergency equipment. Find out where you can get additional gasoline and oil. Be prepared for the possible conditions you may encounter.

First aid kit	Knife
Mobile phone	Flashlight
Friction tape	Colored lens goggles
Spare light bulbs	Trail map
Provided tool kit	Snack
Adjustable wrench	

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”.

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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 gate, close it again behind you.

Finally, do not pollute streams, lakes or rivers and do not modify the engine or exhaust 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-Road Operation

The very nature of off-road 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 tip-over or rollover.

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

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

BRP recommends that you remain seated on your ATV when operating in reverse. Avoid standing up. Your weight could shift forward against the throttle lever causing an unexpected acceleration and loss of control.

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 it is possible to tip over before traction is lost. For example, its 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 moves rearward, a tip over 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 loose 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 tip over.

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⚠ WARNING

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

Riding on Snow Covered Surfaces

When performing the pre-ride inspection, pay special attention to locations on the vehicle where snow and/or ice accumulations may obstruct visibility of the lights and reflectors, clog ventilation openings, or interfere with the movement of the control levers and switches. Before starting with your ATV check the steering, throttle and brake lever and pedal controls for interference free operation.

Whenever an ATV is ridden on a snow covered drive path the tire grip is generally reduced causing the vehicle to react differently to control inputs from the operator. On low grip surfaces, the steering responses are not as crisp and precise, stopping distances are lengthened and acceleration becomes sluggish. Slow down and do not "gun" the throttle. This will only result in spinning of the tires and possibly in an over steering slide of the vehicle. Avoid hard braking. This will possibly result in a straight line slide of the vehicle. Again, the best advice is to safely reduce speed in anticipation of a maneuver so to give yourself time and distance to regain total vehicle control before it spins out of your control.

As you drive your ATV over a loose snow covered surface, snow dust will be picked up in the wake turbulence of the moving vehicle and transported to contact and accumulate or melt on some exposed components including rotating parts like brake discs. Water, snow or ice may affect the response time of the brake system of your ATV. Even when not required to reduce vehicle speed apply brakes frequently to prevent ice or snow accumulation and to dry brake pads and discs. While doing so in low risk driving situations you will test for grip level and keep yourself alerted to how the vehicle reacts to your control inputs. Always keep footboards, brake and throttle levers free of snow and ice. Frequently wipe snow off seat, hand grips, lights and reflectors.

The depth of the snow cover may hide rocks, tree stumps or other objects, and if it is wet, may totally impede the drivability as the vehicle becomes bogged down or completely looses traction in slushy snow. Look far ahead and always be watchful of any visible clues that might indicate the presence of such obstacles. In doubt steer clear. Avoid driving on any frozen body of water before checking that the ice will safely support the ATV, its riders and its load of cargo. Remember that a given thickness of ice may be sufficient to support a snowmobile, but not an ATV of an identical weight because of the smaller load bearing surface of the four tire contact patches as compared to that of a snowmobile track and skis.

Always remember that the vehicle handling and stability is affected when riding with a passenger. Never attempt maneuvers with a passenger that may cause the vehicle to enter into a slide that if halted abruptly, will result in the ejection of the passenger and/or a vehicle roll or tip over.

To maximize comfort and avoid frostbite, always wear clothing and ATV protective equipment appropriate for the weather conditions you will be exposed to during your ride.

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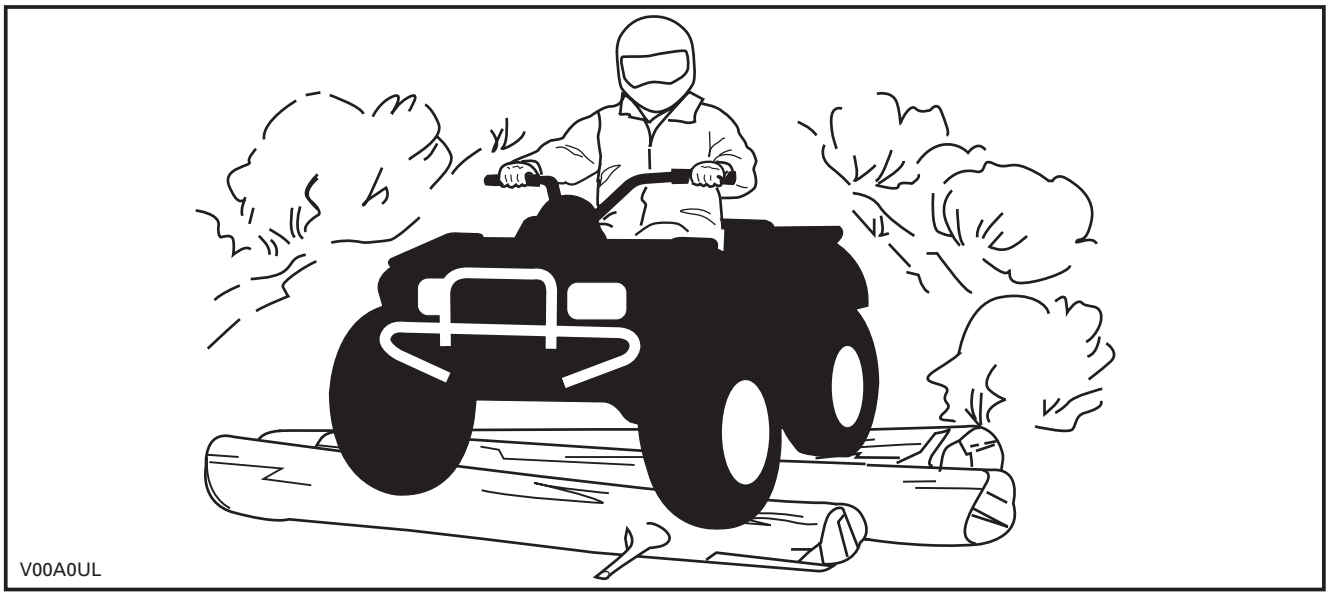
At the end of each ride it is a good practice to clean the vehicle body and all moving components (brakes, steering components, drive lines, controls, etc.) from any snow or ice accumulations. Wet snow will turn to ice during the shut down period and become more difficult to remove at the next pre-ride inspection.

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 fully absorb the high impact energy generated during manoeuvres such as jumping which, can be passed on to you, the operator. 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 a leg or foot injury, keep your feet on the footrests at all times. Do not direct your toes outwards nor extend your feet out to assist in turning as they can be hit or be snagged on passing obstacles, or may come into contact with wheels.



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

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.

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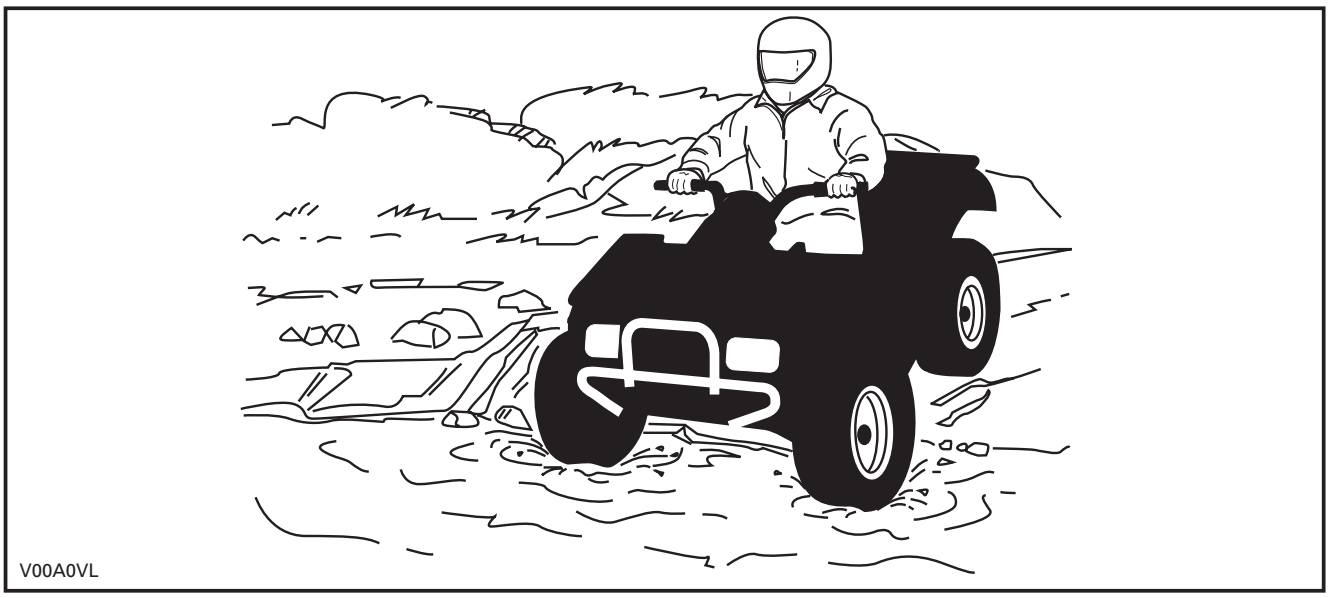
The tires of this vehicle are not suited for paved road use. Also, this vehicle is not equipped with a rear differential (rear wheels are always turning at the same speed). For these reasons, pavement may seriously affect the handling and control of the vehicle.

Riding on roads or soft shoulders may confuse other road users, especially if your daytime running 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 on 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 off the vehicle.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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 route crosses frozen waterways, make sure 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.

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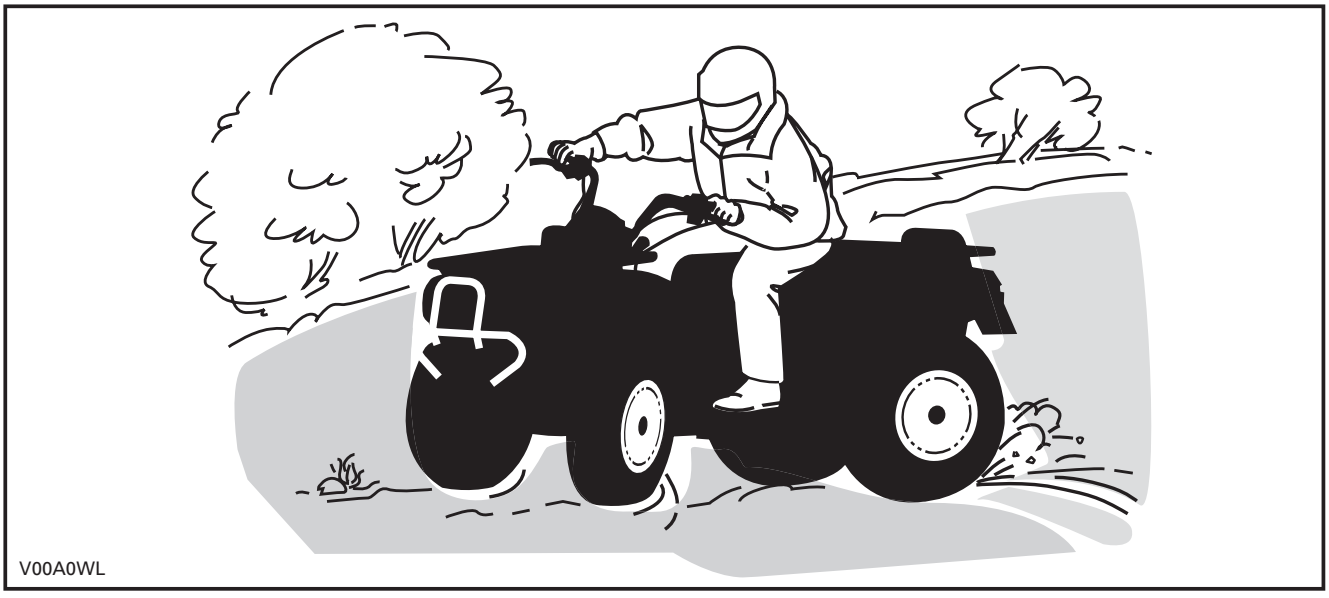
Ice will also affect the control of the vehicle. Slow down and do not "gun" the throttle. This will only result in spinning of the tires and the vehicle may possibly tip over. Avoid rapid braking. This again can result in an uncontrolled slide and the vehicle may possibly tip over. Slush should be avoided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

Riding in snow may reduce the brakes stopping capability. Safely reduce speed and allow greater distance for braking. Snow projection may cause ice build up or snow accumulation on brake components and controls. Apply brakes frequently to prevent ice or snow accumulation. Refer to General Operating and Safety Precautions in this subsection for more detailed information regarding riding on snow Covered surfaces.

Riding on sand, 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 tip over especially at high speeds. In addition, braking distance may be a affected. Remember that "gunning" the throttle or sliding may cause loose stones to be ejected rearwards into the path of another rider. Never do it deliberately.



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

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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.

When stopped or parked always apply the parking device. This is especially important when parking on a slope. On very steep inclines or if the ATV is carring cargo, the wheels should be blocked using rocks or bricks.

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 front 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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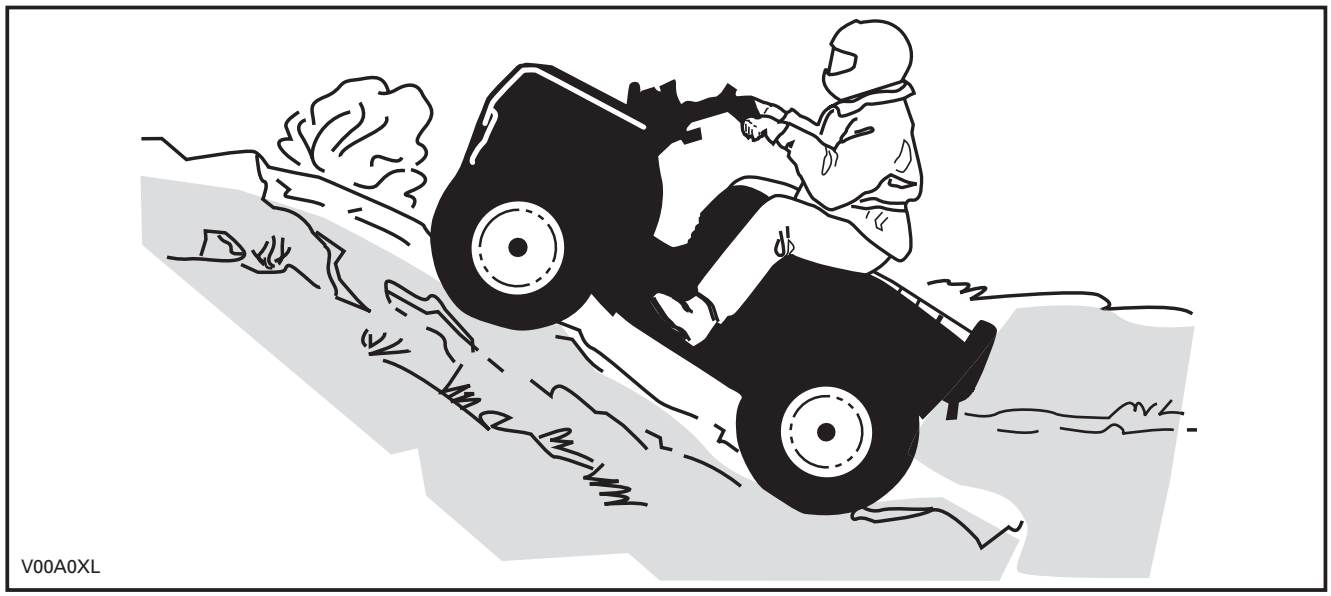
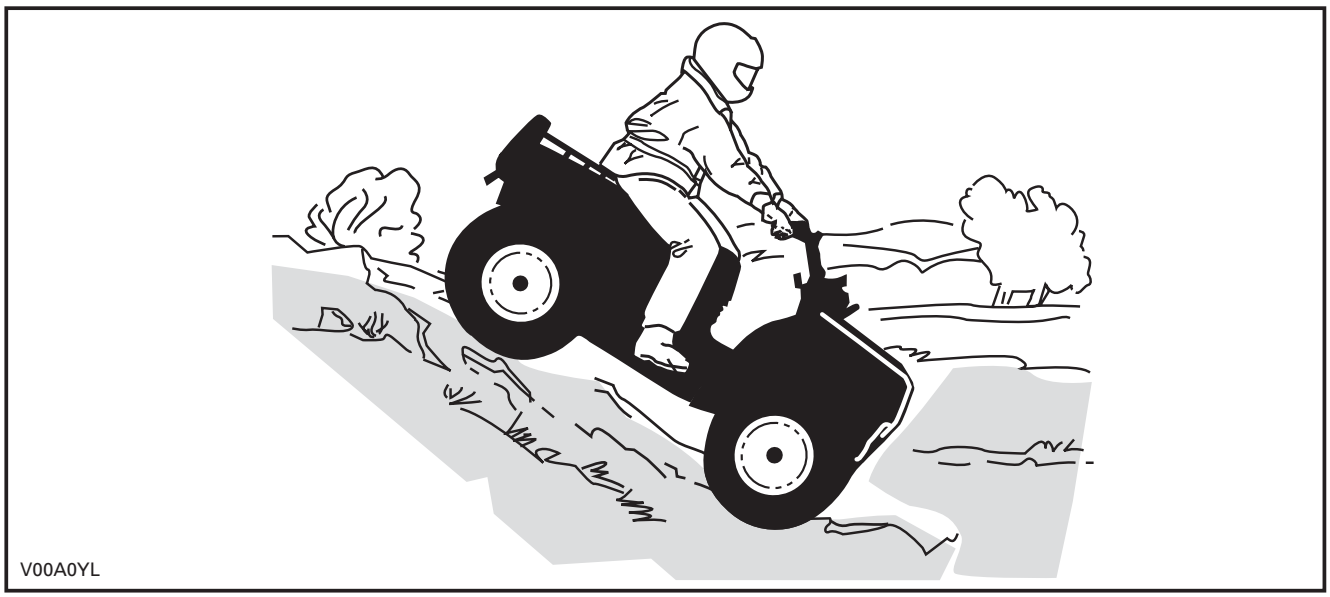


Downhill

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.



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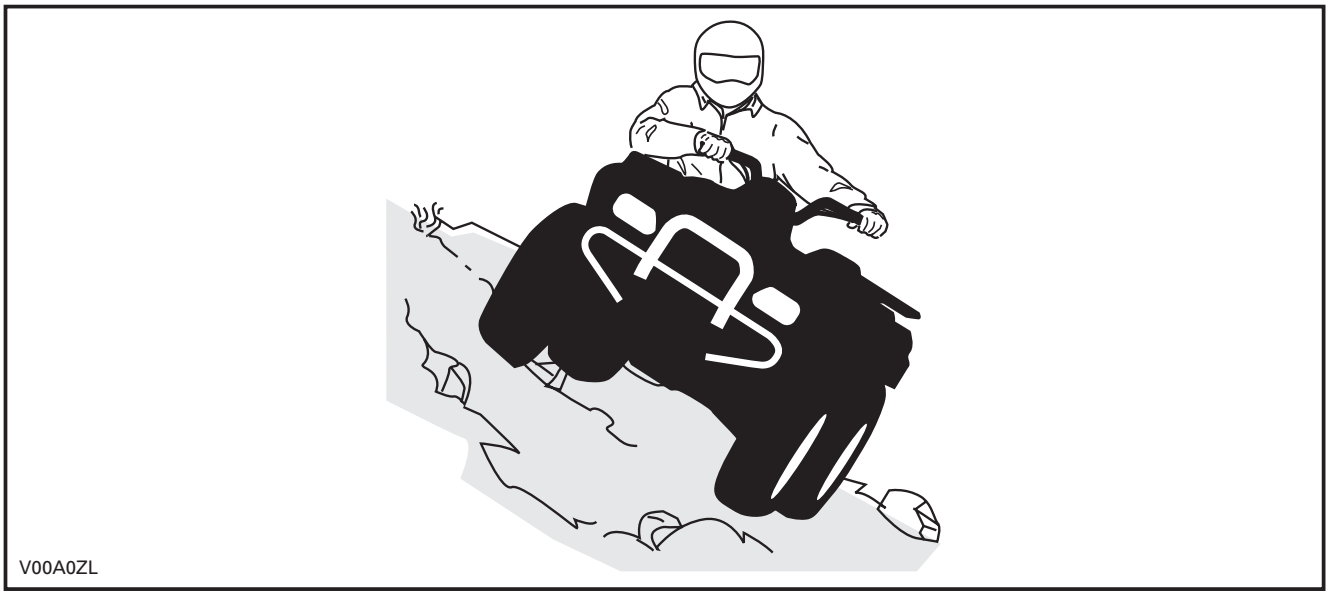
Side Hilling

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. However, if it is necessary to do so, 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.**



While reading this Operator's Guide, remember that:

⚠ WARNING

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

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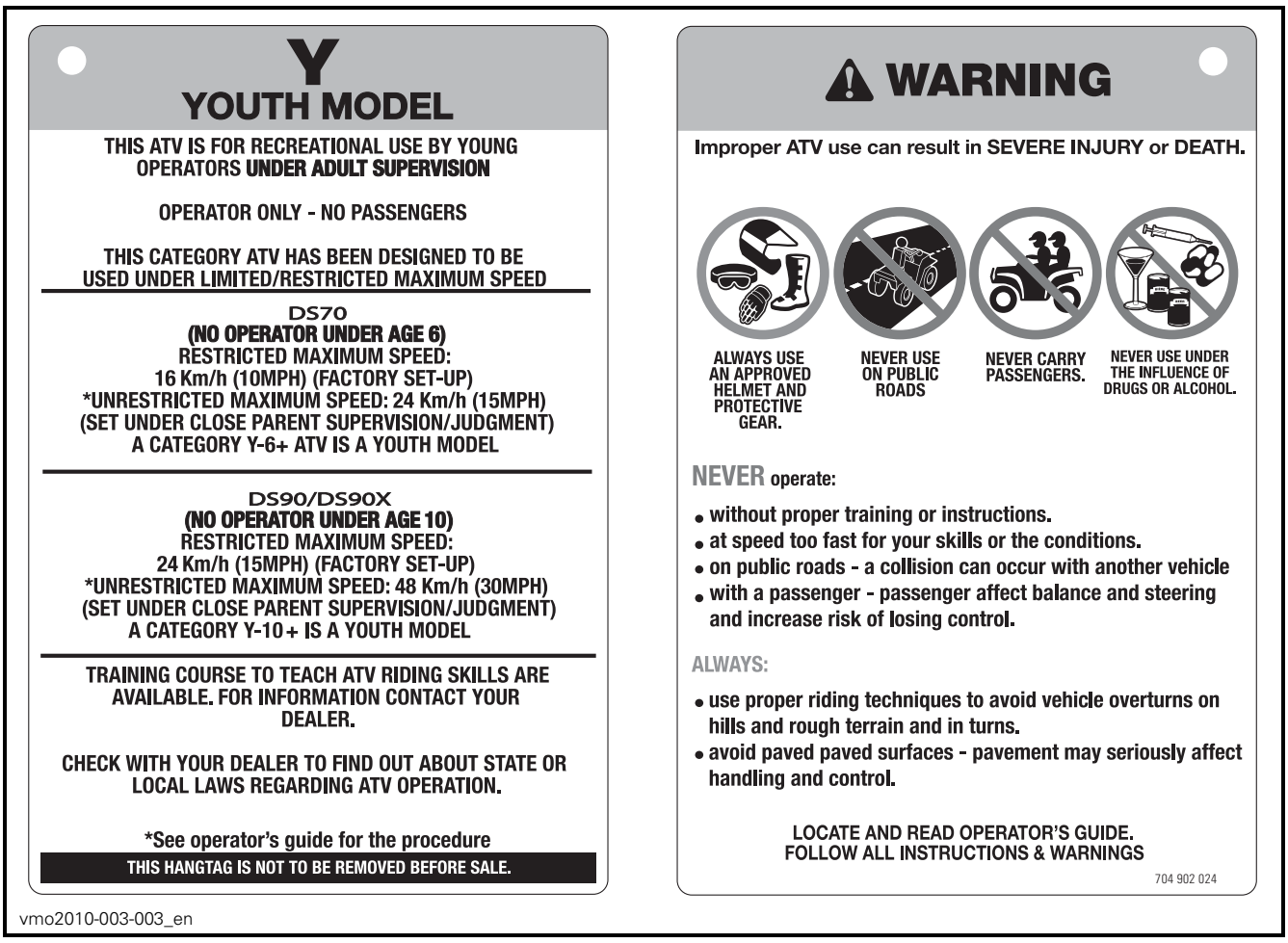
IMPORTANT ON PRODUCT LABELS

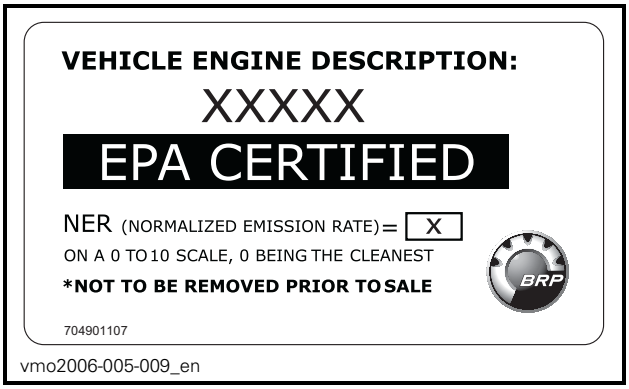
Hang Tag

This vehicle comes with a hang tag containing important information.

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



TYPICAL



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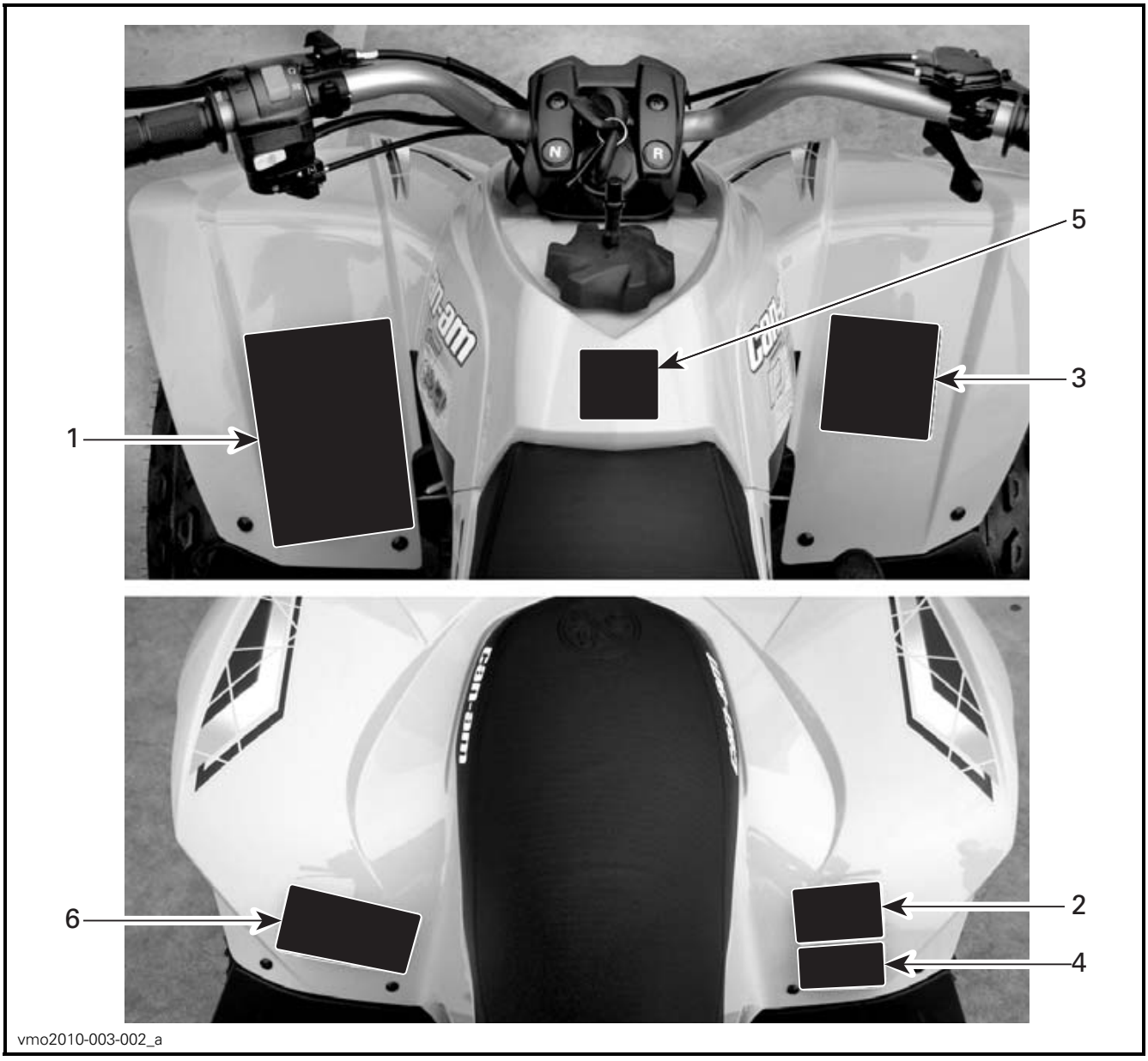
Vehicle Safety Labels

Read and understand all the safety labels on your vehicle.

The safety labels on your vehicle 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.



TYPICAL - LABEL LOCATIONS

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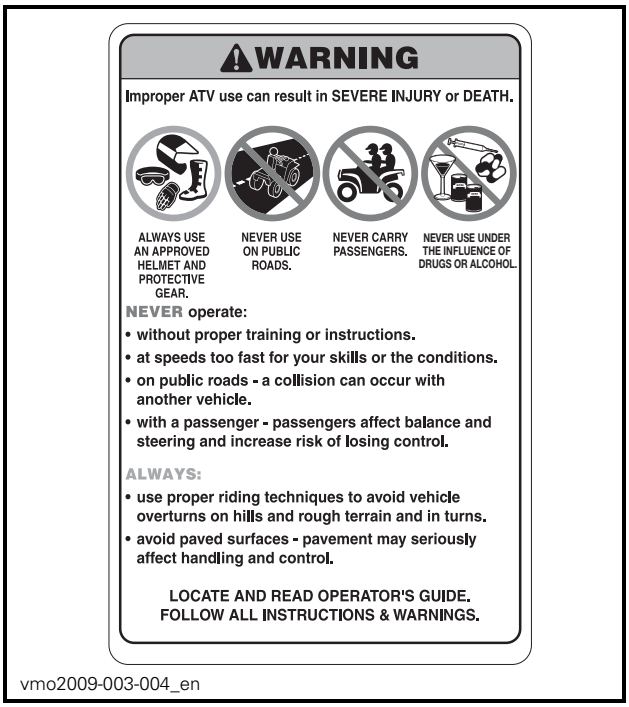
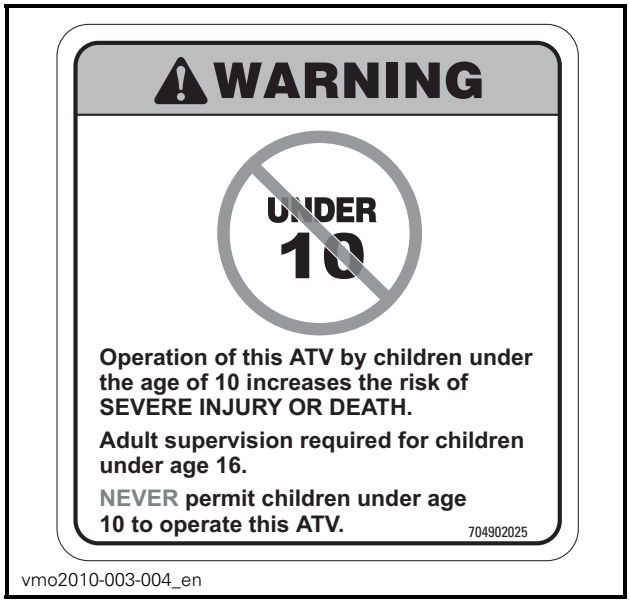


LABEL 1

LABEL 2

LABEL 3: DS 70



LABEL 3: DS 90 AND DS 90 X

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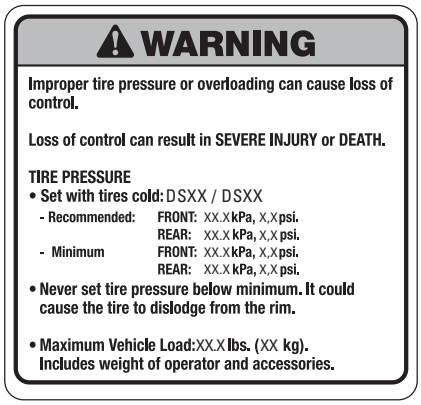

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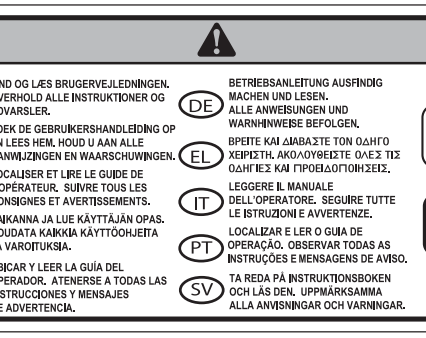
LABEL 4: TYPICAL - REFER TO SPECIFICATIONS FOR EXACT PRESSURES

vmo2010-001-102

LABEL 5



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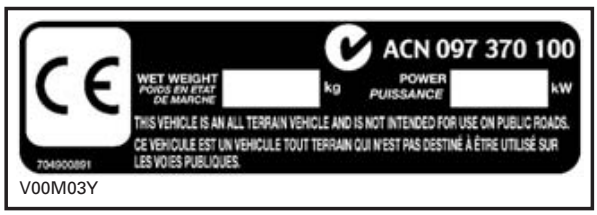
LABEL 6

Compliance Labels

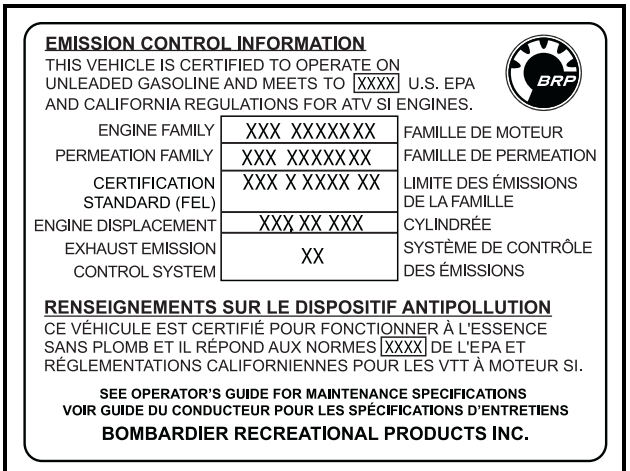
These labels indicate vehicle's compliance.



V00M03Y

V00m03y2

LOCATION: LOWER RIGHT FRONT TUBE OF THE FRAME



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LOCATION: UNDERNEATH REAR FENDER

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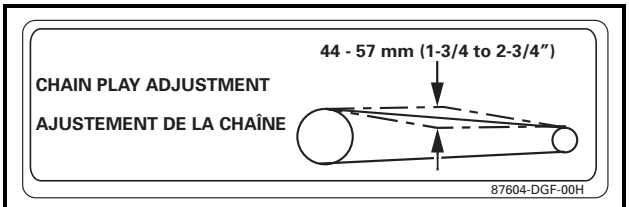
LOCATION: FRONT FENDER

Technical Information Label



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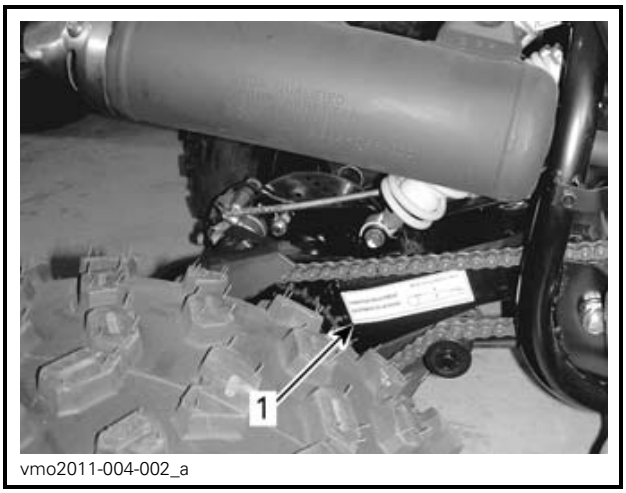

1. Chain adjustment label location

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VEHICLE INFORMATION

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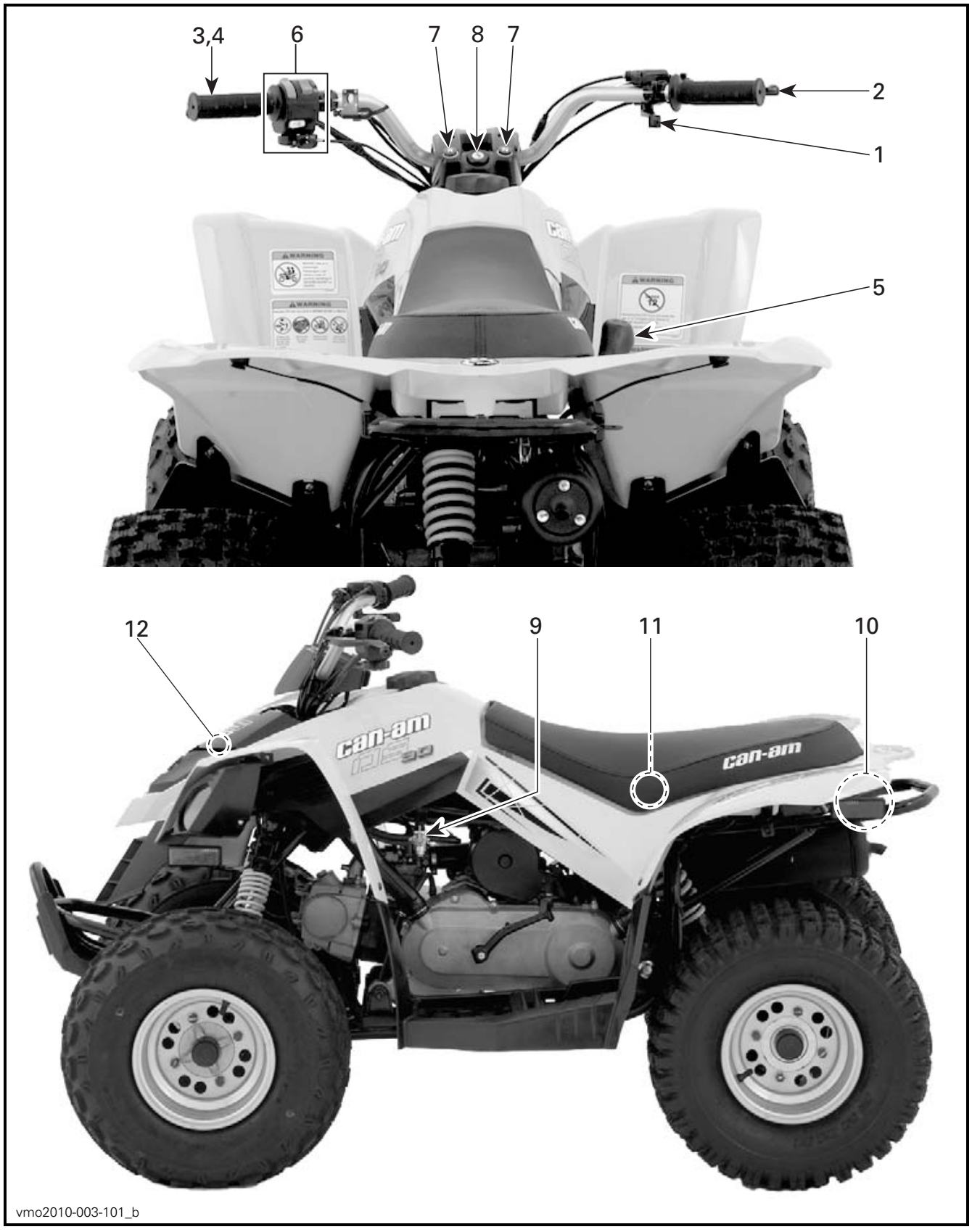

TYPICAL

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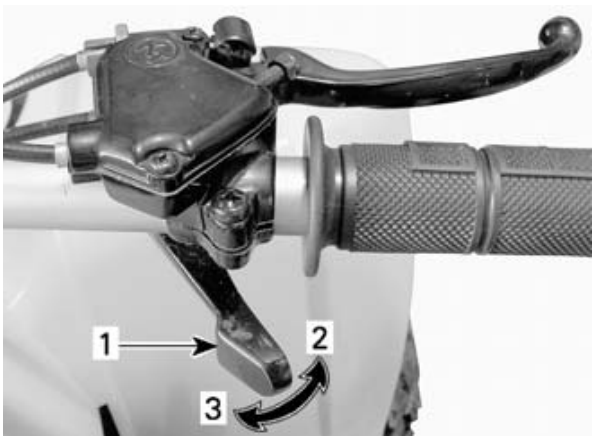
NOTE: This section provides basic information on the functions of the various controls of your vehicle. For more details on how to operate a control in conjunction with others, refer to *OPERATING INSTRUCTIONS* further in this section.

1) Throttle Lever

The throttle lever is located on the RH side of the handlebar.

When pushed forward, it increases the engine speed and allows engagement of the transmission.

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



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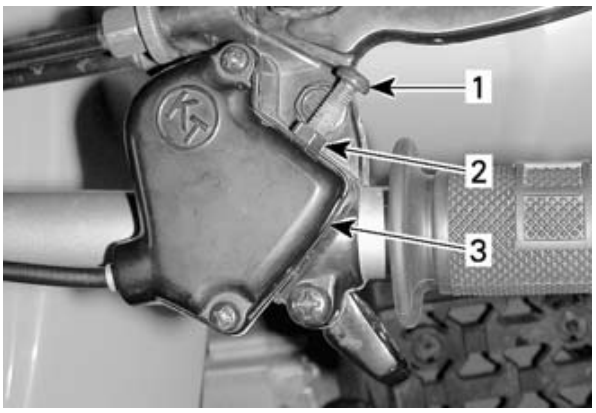
TYPICAL
1. *Throttle lever*
2. *To accelerate*
3. *To decelerate*

⚠ WARNING

Check throttle lever operation before you start the engine. If the throttle lever does not function smoothly, check for the cause. Correct the problem before riding the vehicle. Consult your authorized dealer if you can't find or solve the problem yourself.

Speed Limiter

This vehicle is equipped with an adjustable speed limiter screw on the throttle lever housing. The speed limiter prevents the throttle from being fully opened, even when the throttle lever is pushed fully forward, thus limiting available engine power and therefore vehicle speed.



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TYPICAL
1. *Speed limiter screw*
2. *Lock nut*
3. *Throttle lever cable housing*

⚠ WARNING

Adults should always limit the maximum restricted speed within the ability and capacity of the child to operate the vehicle safely. Never allow the child to adjust the speed limiter screw.

BRP recommends that all beginners start off with the speed limiter screw turned in while they learn.

Adults can adjust the speed limiter screw gradually to increase maximum speed as the beginner becomes more familiar with the operation of the vehicle. Refer to the following table.

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SPEED SETTING	DS 70	DS 90 AND DS 90 X
Factory limited speed	16 km/h (10 MPH)	24 km/h (15 MPH)
Maximum unrestricted speed	24 km/h (15 MPH)	48 km/h (30 MPH)

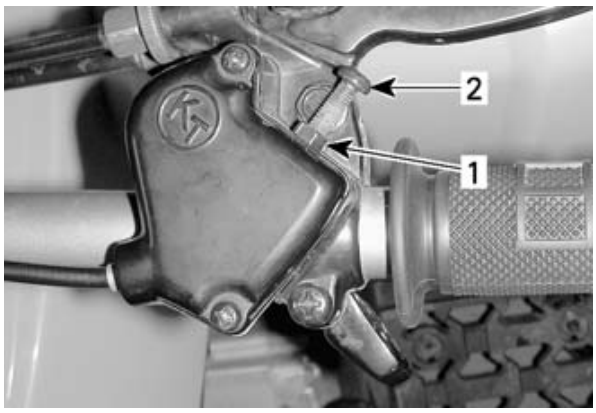
⚠ WARNING

When traveling downhill, gravity can increase the vehicle speed above the desired maximum speed set using the speed limiter screw.

⚠ WARNING

Improper adjustment of the speed limiter screw could damage the throttle cable and impair throttle lever operation. Failure to follow adjustment recommendations could lead to an accident.

To adjust the speed limiter screw, loosen the lock nut, then turn the speed limiter screw accordingly. Turning the screw in reduces throttle lever travel, turning the screw out increases throttle lever travel.



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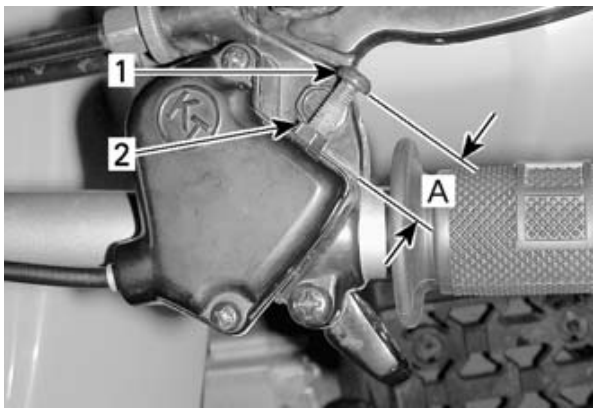
1. *Lock nut*
2. *Speed limiter screw*

To obtain maximum vehicle speed, adjust the throttle lever travel to 20 mm (.8 in).



vmo2008-020-004_c

1. *Speed limiter screw*
2. *Lock nut*

A. *Maximum throttle lever travel adjustment 20 mm (.8 in)*

2) RH Brake Lever

The RH brake lever is located on the RH side of the handlebar.

When pulled in, the front brake is applied. When released, it should automatically return to its original position. Braking effect is proportional to the force applied on the lever.

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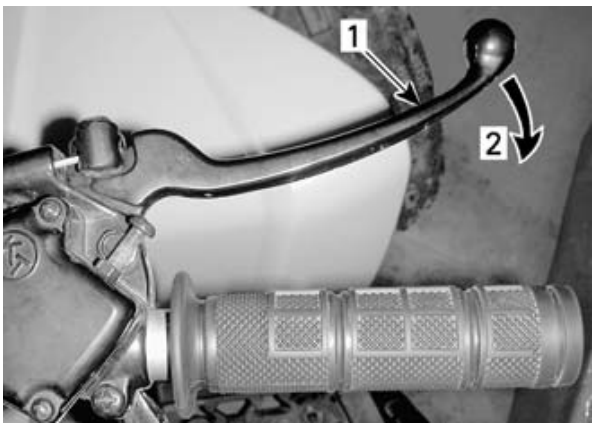
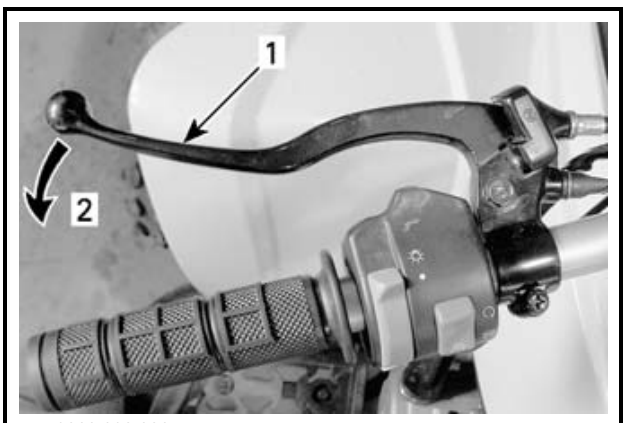


TYPICAL
1. *Brake lever*
2. *To apply brake*

3) LH Brake Lever

The LH brake lever is located on the LH side of the handlebar.

When pulled in, the rear brake is applied. When released, it should automatically return to its original position. Braking effect is proportional to the force applied on the lever.



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

4) Parking Brake

The parking brake is located on the LH side of the handlebar.

When applied, it prevents the vehicle from moving. Useful during transportation or when the vehicle is not in operation.

⚠ WARNING

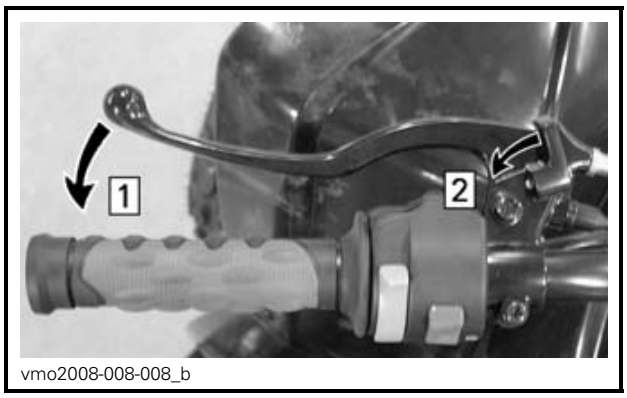
Always use the parking brake when the vehicle is not in operation.

⚠ WARNING

Make sure the parking brake is fully disengaged before operating the vehicle. Riding the vehicle with a continuous pressure on the brakes may cause damage to the brake system and a loss of braking capacity and/or fire.

To engage the parking brake mechanism: Squeeze the LH brake lever and hold as you engage the lever lock, then release the lever against the lock. The brake lever is now held in applying the rear brake(s).

DS 70 and DS 90



TYPICAL — LH BRAKE LEVER
Step 1: Squeeze brake lever and hold
Step 2: Engage lever lock

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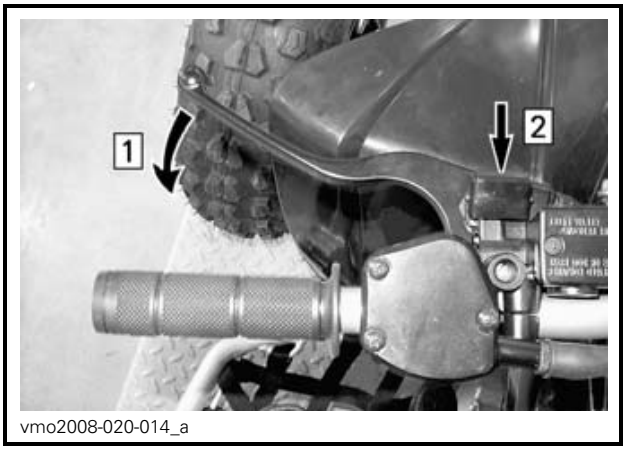
DS 90 X Only



LH BRAKE LEVER
Step 1: Squeeze brake lever and maintain
Step 2: Push lever lock

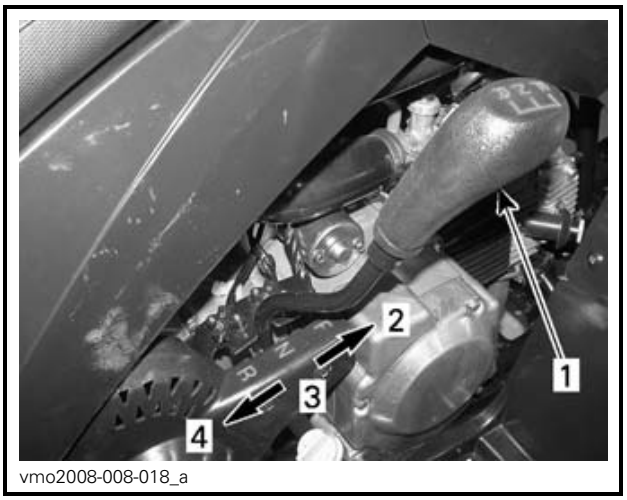
All Models

To release the parking brake 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 3 position transmission lever is located on the RH side of the vehicle near the engine.

NOTICE **Always completely stop the vehicle and apply the brakes prior to moving the transmission lever.**



TRANSMISSION LEVER PATTERN
1. Transmission lever
2. Forward (F)
3. Neutral (N)
4. Reverse (R)

To change the transmission position, completely stop vehicle, apply brakes, then move lever to the desired position. Do not force lever.

⚠ WARNING

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

F: Forward

It is the normal driving range. It allows the vehicle to reach its maximum speed.

N: Neutral

This position disengages the transmission to allow manual vehicle movement or towing.

R: Reverse

This allows the vehicle to go backwards.

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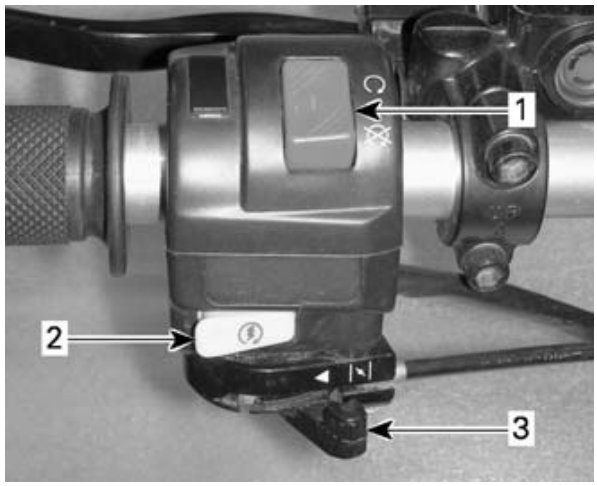
⚠ WARNING

Before operating the vehicle in reverse, ensure the path behind is clear of obstacles or bystanders. BRP recommends that you remain seated. Avoid standing up. Your weight could shift forward against the throttle lever causing an unexpected acceleration and loss of control.

6) Multifunction Switch

The multifunction switch is located on the LH side of the handlebar.

The controls located on the multifunction switch are:



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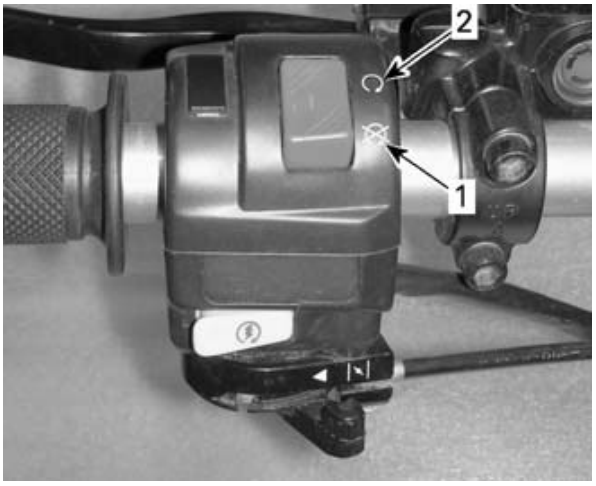
1. Emergency engine stop switch
2. Engine start button
3. Choke lever

Emergency Engine Stop Switch

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

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

To stop engine, fully release throttle lever, then set the emergency engine stop switch to the STOP position.



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TYPICAL - EMERGENCY ENGINE STOP SWITCH
1. STOP position
2. RUN position

Engine Start Button

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

Press and hold LH brake lever.

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

While reading this Operator's Guide, remember that:

⚠ WARNING

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

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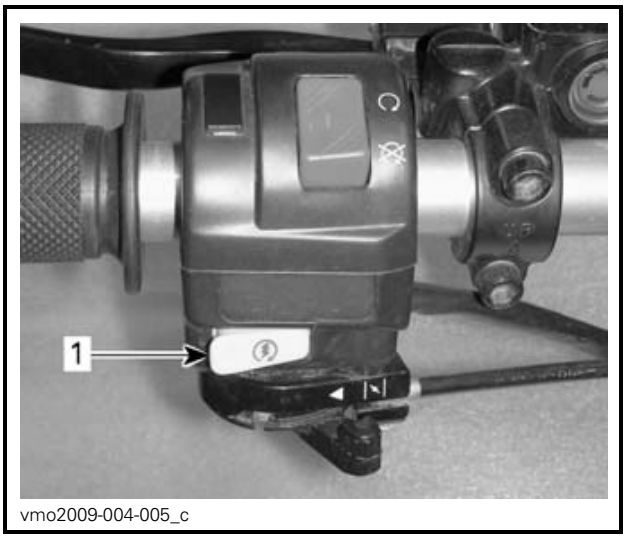


1. Engine start button

Choke Lever

This device features a variable position lever used to ease starting a cold engine.

The OFF position is used when the engine is warm.

OFF POSITION

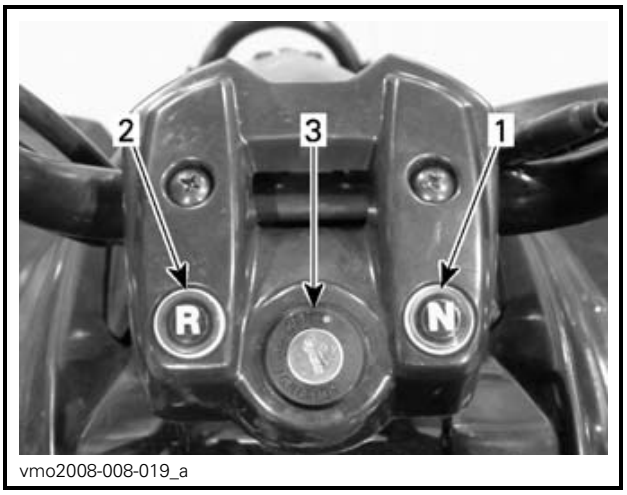
The full choke position is used when the engine is cold.

FULL CHOKE POSITION

The other positions between OFF and FULL will be used depending on the engine temperature.

7) Indicator Lamps

The indicator lamps are located near the middle of the handlebar.



TYPICAL
1. Neutral (N)
2. Reverse (R)
3. Ignition switch

Neutral Lamp (GREEN)

When lit, it indicates the transmission is in neutral position.

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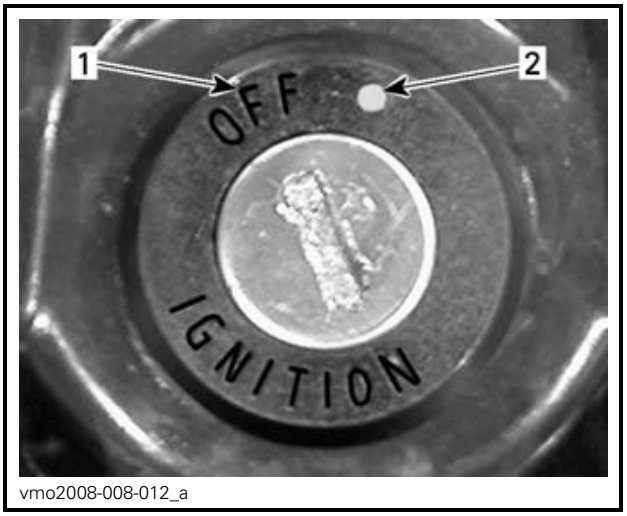
Reverse Lamp (RED)

When lit, it indicates the transmission is in reverse position.

8) Ignition Switch

The ignition switch is located in the middle of the handlebar.

It is a key-operated, 2 position switch: OFF and ON.



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IGNITION SWITCH
1. *OFF position*
2. *ON position*

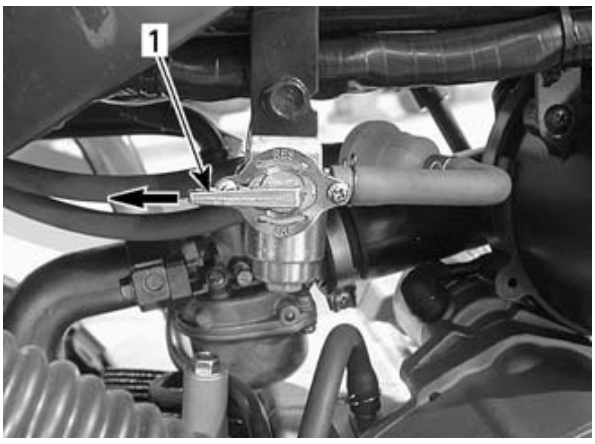
Insert key in switch and turn to ON position. To remove key, turn key to OFF position then pull it out.

NOTE: While the engine can be stopped by turning ignition key to OFF position, we recommend the engine be stopped using the emergency engine stop switch. Always turn ignition switch to OFF position after engine has been stopped.

9) Fuel Valve

The fuel valve is located on the LH side of the vehicle near the engine.

This is a 3 position rotary valve: OFF, ON, RES (reserve). Rotate the valve to align its pointer to the desired position.



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LH SIDE OF VEHICLE
1. *Align this pointer toward the desired position*

NOTICE Improper opening of fuel valve will restrict the flow of fuel. Make sure valve is fully opened when engine is running.

OFF

Stops fuel supply to carburetor.

NOTICE Turn valve to OFF position when vehicle is not being operated or when it is being transported.

ON

Allows fuel to flow to carburetor. This is the normal position for operation of the vehicle.

While reading this Operator's Guide, remember that:

⚠ WARNING

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

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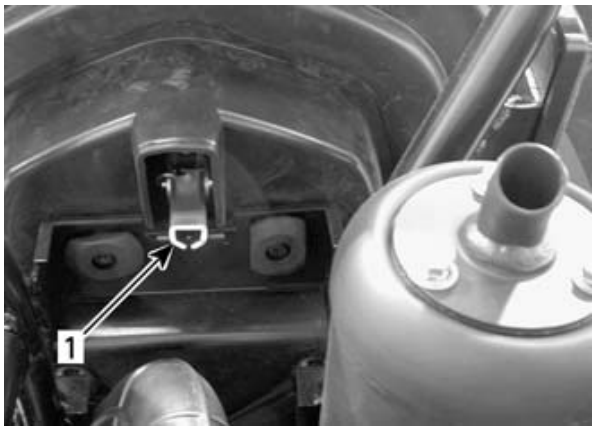
RES (Reserve)

When the normal supply of fuel in the tank is used up (ON position), an emergency supply of fuel is available by turning the valve to RES. Use the RES position only when the ON supply is empty.

When in reserve, refuel as soon as possible. Be sure to turn the valve back to the ON position after refuelling.

10) Seat Latch

Located under the rear fender, near rear bumper. It allows the removal of the seat to provide access to the engine compartment. Pull knob to release seat.



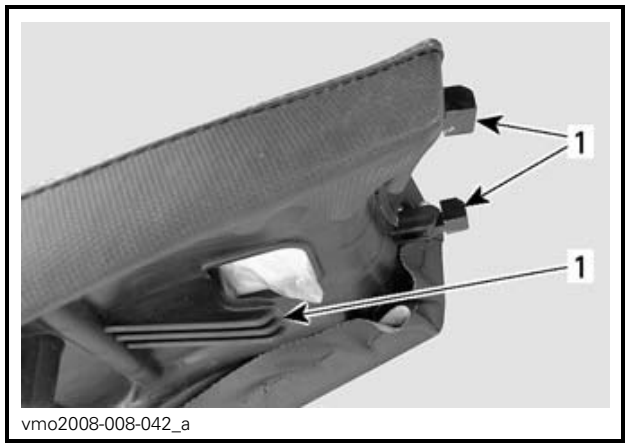
TYPICAL
1. Seat release knob

Seat Removal

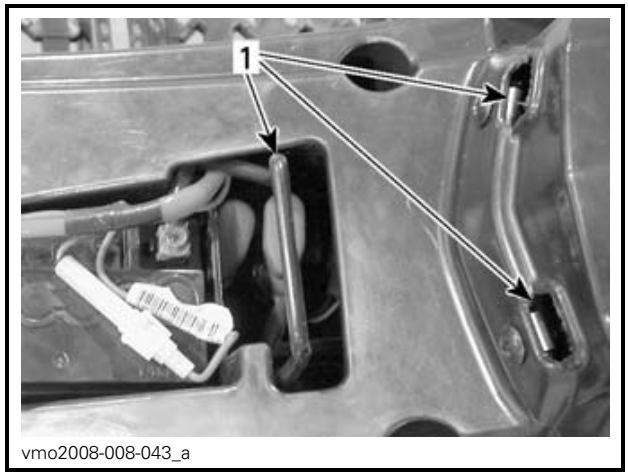
Pull latch while gently lifting rear of seat. Pull seat rearward then remove it.

Seat Installation

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



1. Seat tabs



1. Hooks

⚠ WARNING

Make sure seat is securely latched before riding.

11) Tool Kit

Located underneath the seat over the engine compartment, the tool kit contains tools for basic maintenance.

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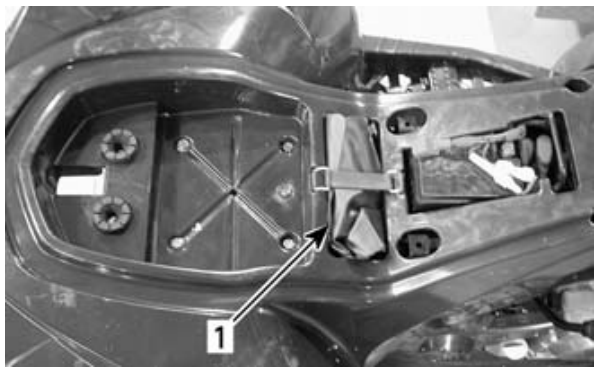

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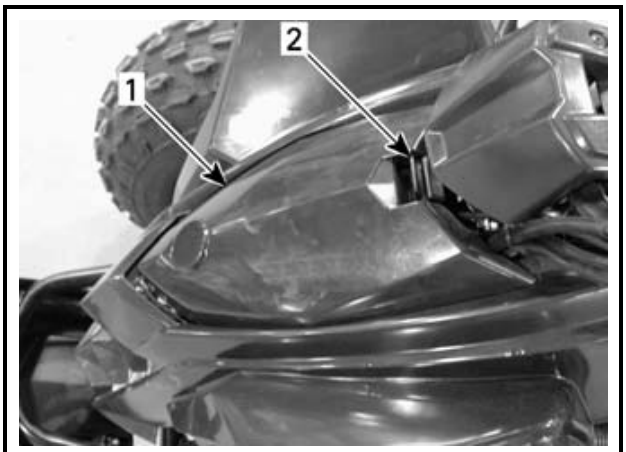
1. Tool kit

12) Front Storage Compartment

A convenient area to carry personal articles.



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TYPICAL
1. Front storage compartment
2. Cover latch

To open storage compartment cover, gently pull and hold latch while lifting cover.

vmo2008-008-023_a

TYPICAL

⚠ WARNING

When engine is running, always engage the NEUTRAL position on the transmission lever and apply parking brake before opening cover. Never leave any heavy or loose breakable object in the storage compartment. Always latch cover before riding.

While reading this Operator's Guide, remember that:

⚠ WARNING

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

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FUEL

Recommended Fuel

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

MINIMUM OCTANE RATING	
Inside North America	87 (R + M)/2
Outside North America	92 RON

NOTICE Never experiment with other fuels. The use of an inadequate fuel can result in vehicle performance deterioration and damage to critical parts in the fuel system and engine.

Fueling Procedure

⚠ WARNING

- Do not allow children to put fuel in the vehicle.
- 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 vapors are flammable and explosive under certain conditions.
- Never use an open flame to check fuel level.
- Never smoke or allow a flame or spark in the vicinity.
- Always work in a well-ventilated area.
- Never top off 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.

1. Stop engine.
2. Do not allow anyone to remain seated on the vehicle while fuelling.
3. Unscrew fuel tank cap counterclockwise to remove.

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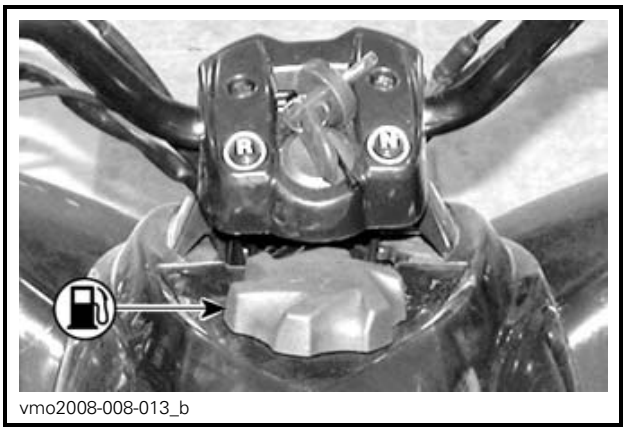
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TYPICAL — FUEL TANK CAP

4. Insert the spout in the filler neck.
5. Pour fuel slowly to allow time for the air in the tank to escape and prevent fuel flow back. Be careful not to spill fuel.
6. Stop fuelling when the fuel reaches the bottom of filler neck. **Do not overfill.**
7. Fully tighten fuel tank cap clockwise.

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BREAK-IN PERIOD

Operating During Break-In

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

After the break-in period, the vehicle should be inspected by an authorized Can-Am dealer. Refer to *MAINTENANCE INFORMATION*.

Engine

During the break-in period:

- Avoid full throttle operation.
- Maximum throttle should not exceed 3/4.
- Avoid sustained accelerations.
- Avoid prolonged cruising speeds.
- Avoid engine overheating.

However, brief accelerations and speed variations contribute to a good break-in.

Brakes

⚠ WARNING

New brakes will not perform to their maximum efficiency until after their initial break-in is complete. Use extra caution.

Belt

A new belt requires a break-in period of 50 km (30 mi).

During the break-in period:

- Avoid strong accelerations and decelerations
- Avoid pulling a load
- Avoid high speed cruising.

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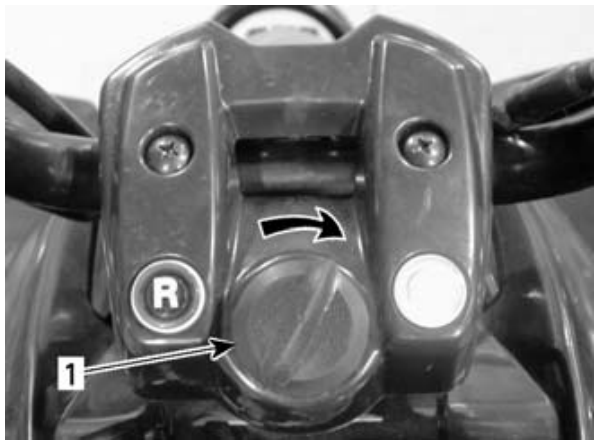
Starting the Engine

⚠ WARNING

Always proceed with the pre-ride inspection as described in the *SAFETY INFORMATION* section prior to operating the vehicle. Always check for proper operation of critical controls, safety features and mechanical components before starting.

Transmission lever must be set to NEUTRAL.

Insert key in ignition switch and turn to ON position.



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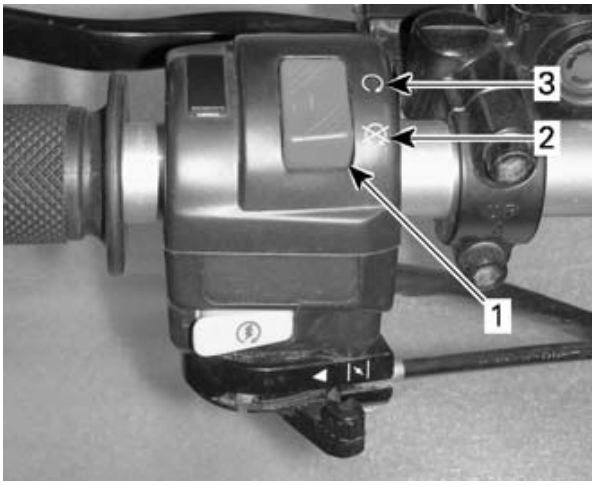
TYPICAL — TURN TO ON POSITION
1. *Ignition key*

Set the emergency engine stop switch to the RUN position.



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1. *Emergency engine stop switch*
2. *STOP position*
3. *RUN position*

In cold weather colder than 0°C (32°F), place choke lever in full choke position.

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FULL CHOKE POSITION

Press and hold LH brake lever.

Press the engine start button and hold until engine starts.

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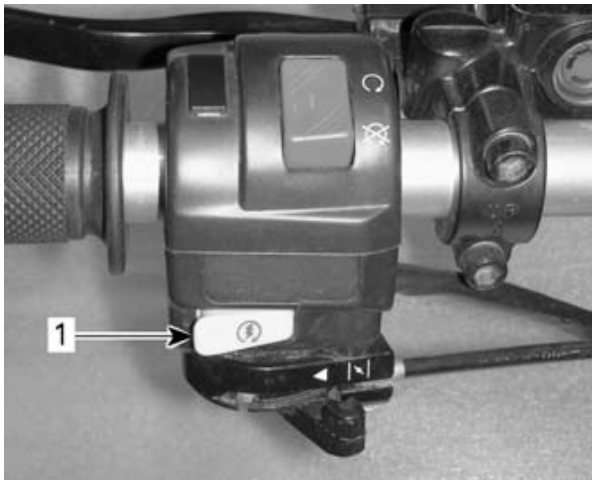
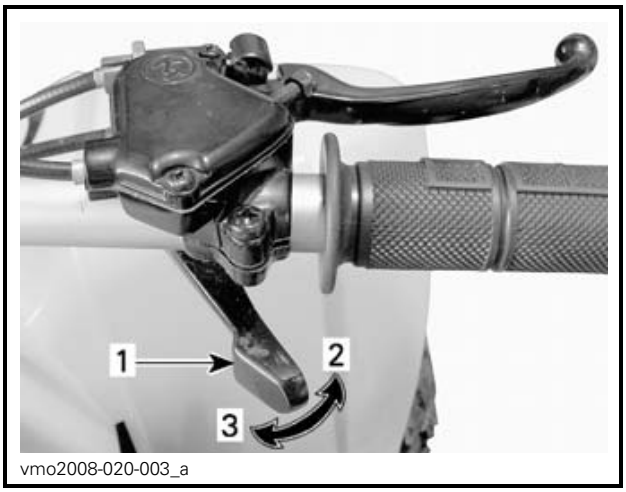


1. Engine start button

NOTICE Do not hold start button more than 10 seconds. A rest period should be observed between cranking cycles to allow starter cool down. Pay attention to battery; do not discharge it.

NOTE: Throttle assist may be used to help start the engine faster. Press the throttle lever slightly; if it is pressed too much, the choke system will not be activated.



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

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

After a few seconds, adjust choke lever until the best engine RPM is achieved.

NOTE: Overusing the choke may flood the engine and make it hard to start. Refer to *TROUBLESHOOTING* if this occurs.

When the engine is warm, set the choke lever to OFF position and release brakes.

OFF POSITION

Warm Engine Starting

Start the engine as explained above but without any choke. If the engine will not start after two 5 second attempts with the electric starter, set choke lever to the half way position. Start the engine without activating the throttle lever. After a few seconds, set the choke lever to OFF position.

Emergency Manual Starting

Manual start is provided in the event electric start does not work.

Follow the starting procedure previously described but instead of using the electric starter, use the kick start pedal.

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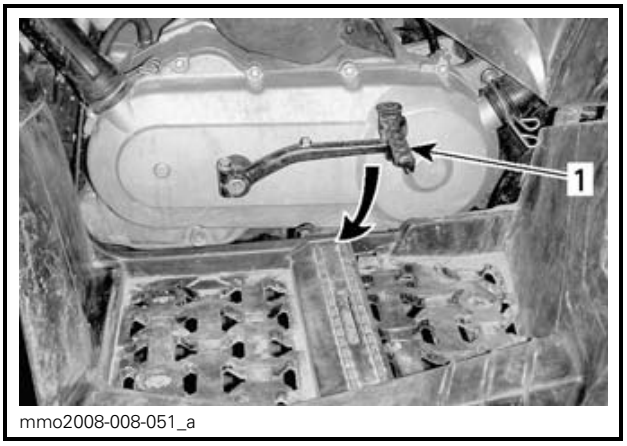
To start engine, gently press pedal down until the kick starter mechanism engagement is felt, then kick down with a rapid follow through motion.



TYPICAL
1. Kick start pedal

Repeat this procedure completely if necessary.

Stopping the Engine

⚠ WARNING

Avoid parking on a slope.

Release throttle and completely stop the vehicle.

Apply the parking brake.

Set transmission lever to the FORWARD position.

Set the emergency engine stop switch to the STOP position.

Turn ignition key to OFF position.

Remove key from ignition switch.

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Suspension Adjustment

⚠ WARNING

Suspension adjustment could affect vehicle handling. Always take time to familiarize yourself with the vehicle's behavior after any suspension adjustment has been made.

⚠ WARNING

Left and right front shock adjustment must always be set to the same position. Never adjust one shock only. Uneven adjustment can cause poor handling and loss of stability, which could lead to an accident.

Spring Preload Adjustment

Shorten the springs for a firmer ride and rough road condition.

Lengthen the springs for a softer ride and smooth road condition.

Adjust by turning adjustment cam or ring accordingly. Use tool from vehicle tool kit.

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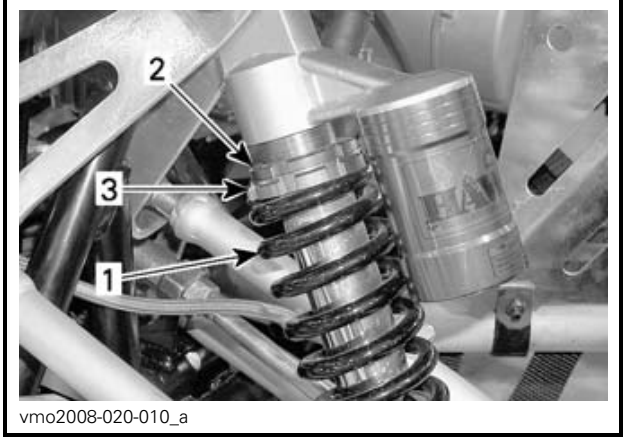
DS 70 AND DS 90 — FRONT SUSPENSION
1. *Front spring*
2. *Turn adjusting cam*



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DS 90 X — FRONT SUSPENSION
1. *Front spring*
2. *Loosen locking ring*
3. *Turn adjustment ring*

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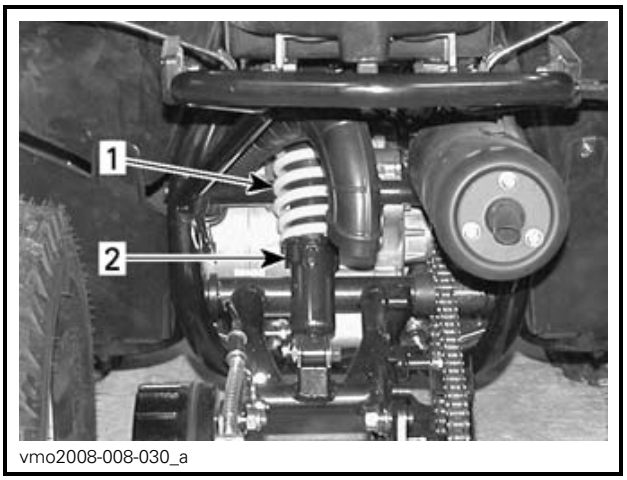
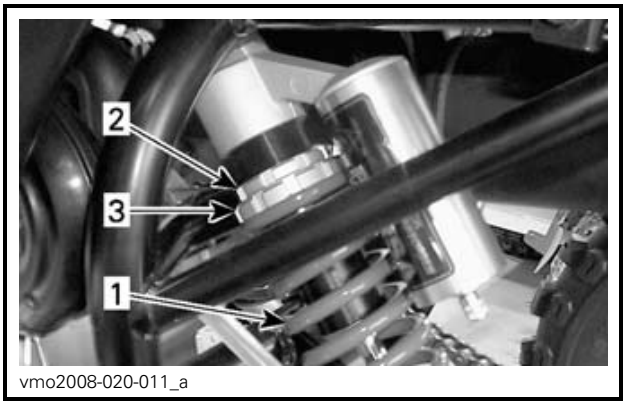


DS 70 AND DS 90 — REAR SUSPENSION
1. *Rear spring*
2. *Turn adjusting cam*



DS 90 X — REAR SUSPENSION
1. *Rear spring*
2. *Loosen locking ring*
3. *Turn adjustment ring*

While reading this Operator's Guide, remember that:

⚠ WARNING

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

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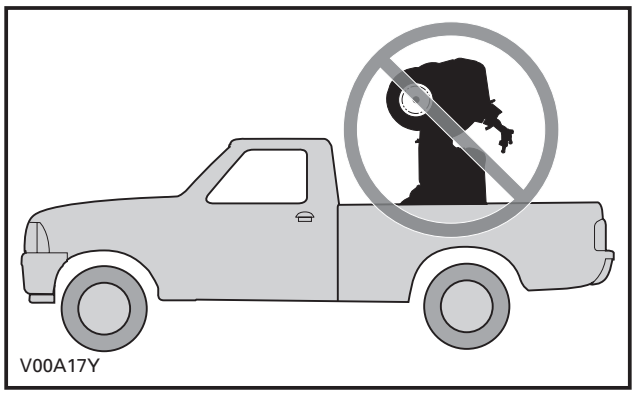
VEHICLE TRANSPORTATION

When transporting this vehicle, secure it to a trailer using suitable tie-downs. Use of ordinary ropes is not recommended.

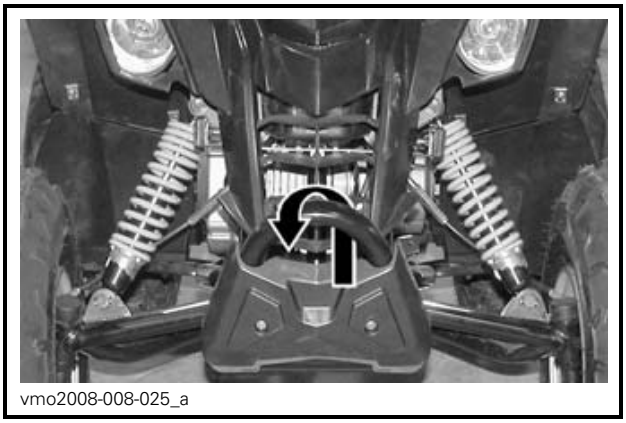
⚠ WARNING

Do not tow this vehicle behind a car or other vehicle. Use a trailer. Never tip this vehicle on end for transporting. The vehicle must be in its normal operating position (on all four wheels).

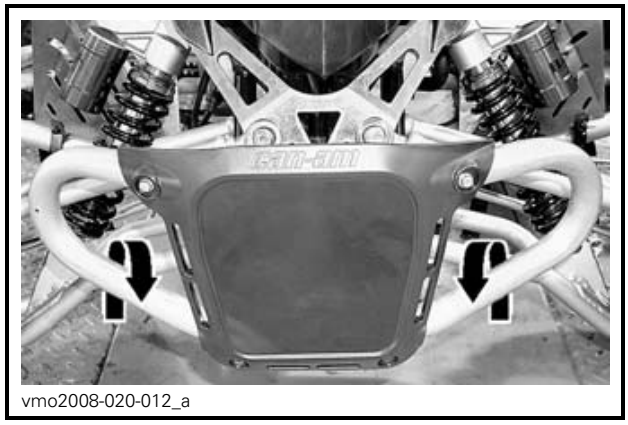


Remember to:

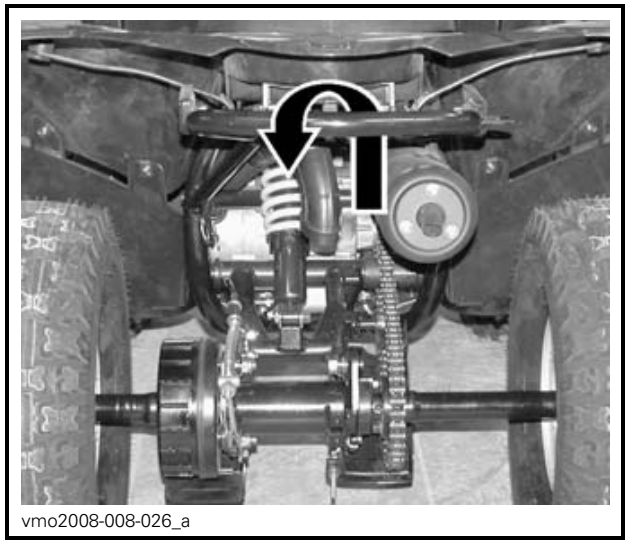
- Set the fuel valve to the OFF position.
- Apply the parking brake.
- Secure the front of the vehicle by the front bumper, and the rear of the vehicle by the rear bumper.



DS 70 AND DS 90 — FRONT TIE-DOWN POINT LOCATION



DS 90 X — FRONT TIE-DOWN POINT LOCATION



ALL MODELS — REAR TIE-DOWN POINT LOCATION

NOTICE **Securing vehicle at other locations may damage the vehicle.**

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MAINTENANCE

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BREAK-IN INSPECTION

BRP suggests that after the first 10 hours or 200 km (125 mi) of operation, whichever comes first, your vehicle be inspected by an authorized Can-Am dealer. The break-in inspection is very important and must not be neglected.

NOTE: The break-in inspection is at the expense of the vehicle owner.

We recommend that this inspection be signed by an authorized Can-Am dealer.

Date of inspection	Authorized dealer signature
	Dealer name

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BREAK-IN INSPECTION CHART	INSPECT	CLEAN	LUBRICATE	TIGHTEN	ADJUST	REPLACE
ENGINE						
Engine oil						X
Valve clearance	X					
FUEL SYSTEM						
Fuel lines and connections	X					
Throttle cable/housing	X				X	
Carburetor	X				X	
Idle speed	X					
ELECTRICAL SYSTEM						
Spark plug	X				X	
Battery	X					
Battery voltage	X					
CVT TRANSMISSION						
CVT air inlet/outlet ducts	X					
GEARBOX						
Gearbox oil	X					
WHEEL/TIRES						
Wheel nuts/studs	X					
STEERING SYSTEM						
Handlebar fasteners	X					
BRAKES						
Brake system	X					

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MAINTENANCE SCHEDULE

Maintenance is very important for keeping your vehicle in safe operating condition. Proper maintenance is the owner's responsibility. The vehicle should be serviced as per maintenance schedule.

The maintenance schedule does not exempt the pre-ride inspection.

⚠ WARNING

Failure to properly maintain the vehicle according to the maintenance schedule and procedures can make it unsafe to operate.

MAINTENANCE SCHEDULE

A: Adjust C: Clean I: Inspect L: Lubricate R: Replace	WEEKLY	MONTHLY	ONCE A YEAR OR EVERY 100 HOURS	EVERY 2 YEARS OR 200 HOURS	TO BE PERFORMED BY	
PART/TASK						**LEGEND**
ENGINE						
Engine oil			R (3)		Customer	(1) More often under dusty conditions. Refer to *AIR FILTER* in *MAINTENANCE PROCEDURES*. (2) Inspect every 6 months. (3) Replace every 3 months or 40 hours.
Engine oil strainer			C		Customer	
Air filter	I, C (1)		R (1)		Customer	
Air injection valve filter	I, C (1)		R (1)		Customer	
Valve clearance			A		Dealer	
Crankcase breather system			I (2)		Dealer	
Spark arrester			C		Customer	
Exhaust system			I		Dealer	

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MAINTENANCE SCHEDULE

A: Adjust
C: Clean
I: Inspect
L: Lubricate
R: Replace

PART/TASK	WEEKLY	MONTHLY	ONCE A YEAR OR EVERY 100 HOURS	EVERY 2 YEARS OR 200 HOURS	TO BE PERFORMED BY	LEGEND
FUEL SYSTEM						
Fuel lines and connections			I		Dealer	(4) Inspect, clean and adjust every 6 months.
Fuel filter				R	Dealer	
Throttle cable/housing		I, A	L		Dealer/ Customer	
Carburetor			I, A, C (4)		Dealer	
Idle speed		I			Dealer	
ELECTRICAL SYSTEM						
Spark plug			R		Dealer	—
Battery		I			Dealer/ Customer	
DRIVE SYSTEM						
Drive chain and Sprockets			I (5)		Dealer	(5) More often under severe use such as dusty area, sand, snow, wet or muddy conditions.
WHEELS/TIRES						
Wheel bearings			I		Customer	—
Wheel bolts		I			Customer	
TRANSMISSION (CVT)						
Drive belt			I		Dealer	—
Drive and driven pulleys			I, C, L		Dealer	
CVT air inlet/outlet ducts		I, C			Customer	

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MAINTENANCE SCHEDULE

A: Adjust
C: Clean
I: Inspect
L: Lubricate
R: Replace

PART/TASK	WEEKLY	MONTHLY	ONCE A YEAR OR EVERY 100 HOURS	EVERY 2 YEARS OR 200 HOURS	TO BE PERFORMED BY	LEGEND
GEARBOX						
Gearbox oil				R	Dealer	—
STEERING SYSTEM						
Handlebar fasteners			I		Dealer	(6) Lubricate every 6 months.
Steering knuckles (DS 70 and DS 90)	L (6)				Customer	
Steering shaft			L		Dealer	
Steering system			I		Dealer	
SUSPENSION						
Suspension system			I		Customer	—
BRAKES						
Brake fluid (DS 90 X)			(7)	R	Dealer/ Customer	(7) Brake fluid replacement or any brake system repairs must be performed by an authorized Can-Am dealer. (8) Hydraulic brakes are self-adjusting and require no adjustment.
Brake system		I, A (7) (8)			Dealer	
Brake pads/shoe			I (7)		Dealer	

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This section includes instructions for basic maintenance procedures. If you have the necessary mechanical skills and the required tools, you can perform these procedures. If not, see your authorized Can-Am dealer.

Other important items in the maintenance schedule that are more difficult and require special tools are best performed by your authorized Can-Am dealer.

⚠ WARNING

Turn off the engine and follow these maintenance procedures when performing maintenance. If you do not follow proper maintenance procedures you can be injured by hot parts, moving parts, electricity, chemicals or other hazards.

⚠ WARNING

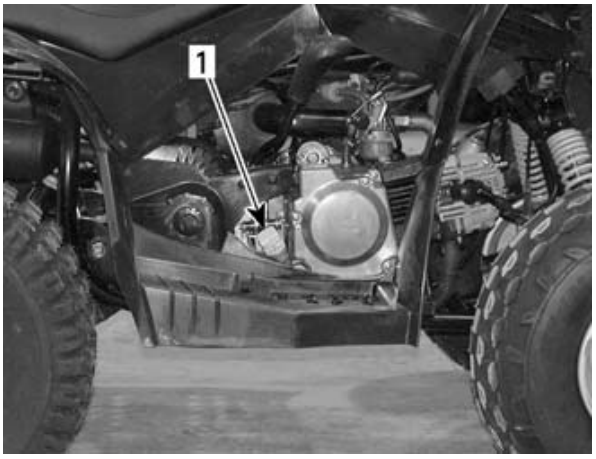
Should removal of a locking device be required (e.g. lock tab, self-locking fastener, etc.), always replace it with a new one.

Engine Oil

Engine Oil Level

NOTICE **Check level frequently and adjust as necessary. Do not overfill. Operating the engine with an improper level may severely damage engine. Wipe off any spillage.**

NOTE: While checking the oil level, visually inspect engine area for leaks.



TYPICAL — RH SIDE OF ENGINE
1. Dipstick

With vehicle on a level surface, start engine and let it run for several minutes, then stop engine and check the oil level as follows:

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

1. Full
2. Add
3. Operating range

To add oil, remove dipstick. Place a funnel in the dipstick hole to avoid spillage.

Add a small amount of oil and recheck oil level.

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

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Properly tighten dipstick.

Recommended Engine Oil

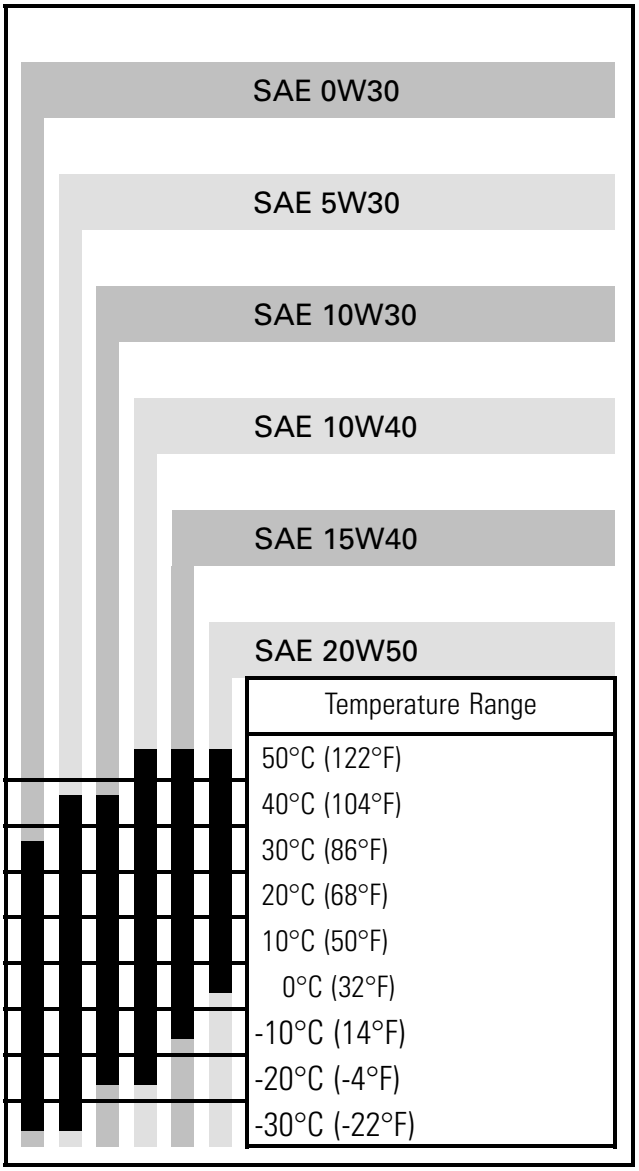
For the summer season, use XPS SYNTHETIC BLEND OIL (SUMMER GRADE) (P/N 293 600 121).

For the winter season, use XPS SYNTHETIC OIL (WINTER GRADE) (P/N 293 600 112).

NOTE: The XPS oil is specially formulated and tested for the severe requirements of this engine.

If not available, use 4-stroke SAE 5W30 engine oil that meets or exceeds the requirements for API service classification SM, SL or SJ. Always check the API service label on the oil container, it must contain at least one of the above standards. Refer to the viscosity chart for details.

Engine Oil Viscosity Chart



Engine Oil Change

The oil change should be carried out on a warm engine.

CAUTION Engine oil can be very hot. In order to avoid potential burns, do not remove the engine drain plug if the engine is hot. Wait until the engine oil is warm. Always wear appropriate skin and eye protection. Chemicals can cause skin rash and eye injury.

Ensure vehicle is on a level surface.

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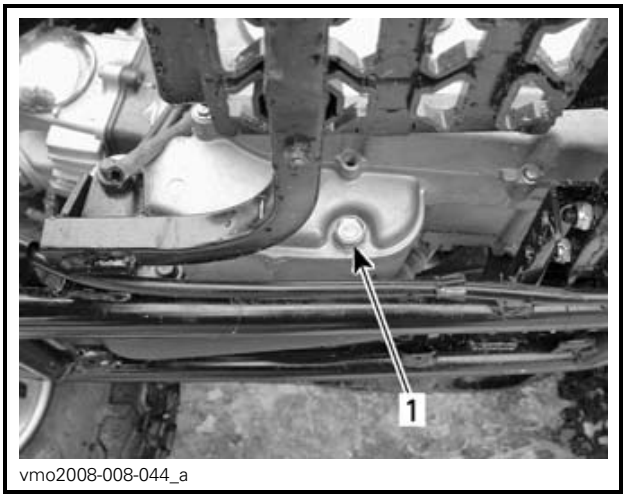
Remove dipstick.

TYPICAL — RH SIDE OF ENGINE
1. Dipstick

Clean the drain plug area.

Place a drain pan under the engine drain plug area.

Unscrew drain plug.



LH SIDE OF ENGINE
1. Drain plug

Allow sufficient time for all the oil to flow out of the engine.

Clean oil strainer, refer to *OIL STRAINER* in this subsection.

Wipe off any oil spillage on engine.

Reinstall oil strainer, spring, and O-ring.

Install and torque strainer cover to 42 N•m ± 4 N•m (31 lbf•ft ± 3 lbf•ft).

Clean drain plug washer and check it's condition, replace it if necessary.

Clean engine and drain plug contact surfaces, then reinstall drain plug and torque it to 22.0 N•m ± 2.2 N•m (16 lbf•ft ± 2 lbf•ft).

Refill engine with the specified quantity of recommended engine oil. Refer to *SPECIFICATIONS* for capacity.

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

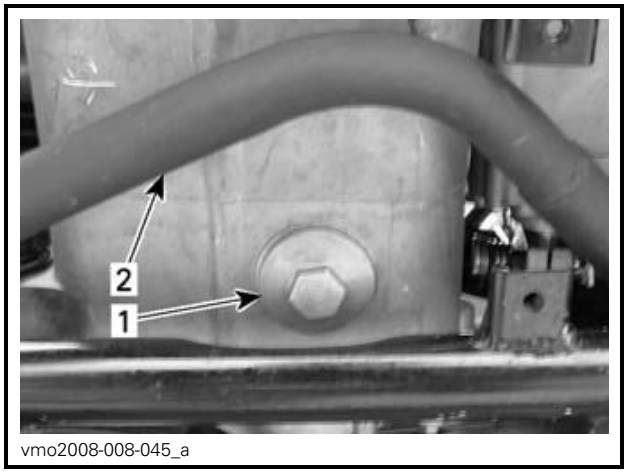
Stop engine. Wait a few minutes to allow the oil to flow down into the crankcase, then recheck oil level. Adjust oil level if necessary.

Dispose of the used oil as per your local environmental regulations.

Oil Strainer

Oil Strainer Cleaning

Remove oil strainer and spring for cleaning (if necessary), refer to *MAINTENANCE SCHEDULE* for details.



UNDERNEATH ENGINE
1. Oil strainer cover
2. Exhaust pipe

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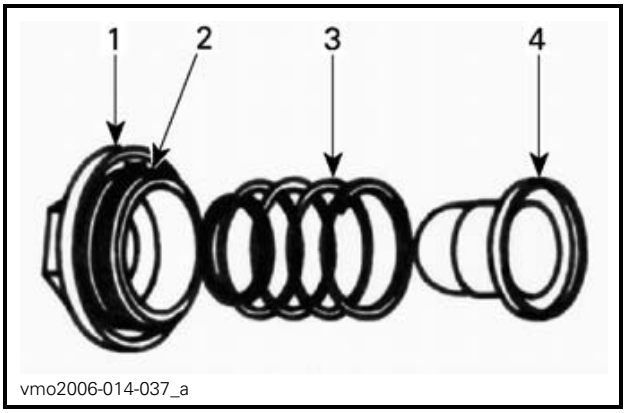
To clean oil strainer, use a solvent, then dry using compressed air.

⚠ CAUTION Always wear appropriate skin and eye protection. Chemicals can cause skin rash and eye injury.

NOTE: Check cover O-ring and replace it if necessary.



TYPICAL
1. *Cover*
2. *O-ring*
3. *Spring*
4. *Strainer*

Air Filter

Air Filter Maintenance Guideline

As with any ATV, air filter maintenance is critical to ensure proper engine performance and life span.

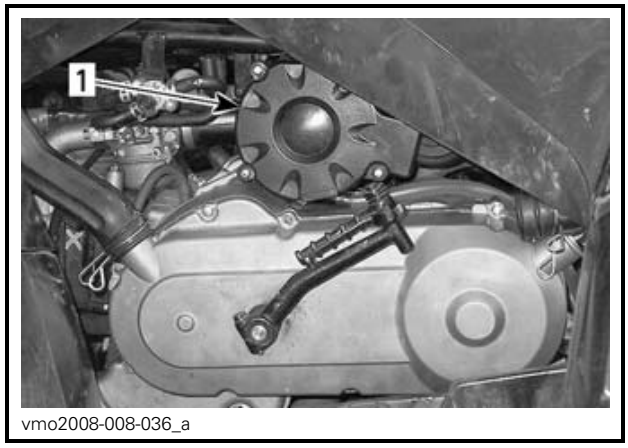
Air filter maintenance should be adjusted according to riding conditions.

Air filter maintenance must be increased in frequency for the following dusty conditions:

– Riding on dry sand
– Riding on dry dirt covered surfaces
– Riding on dry gravel roads or similar conditions.

NOTE: Riding in a group in these conditions increases even more the air filter maintenance and replacement requirement.

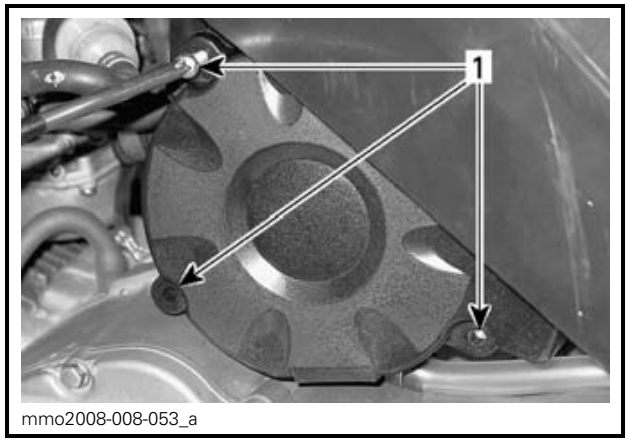
Air Filter Location



1. *Air filter*

Air Filter Removal

Remove air filter box cover.



1. *Screws*

Remove air filter from housing.

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1. Air filter

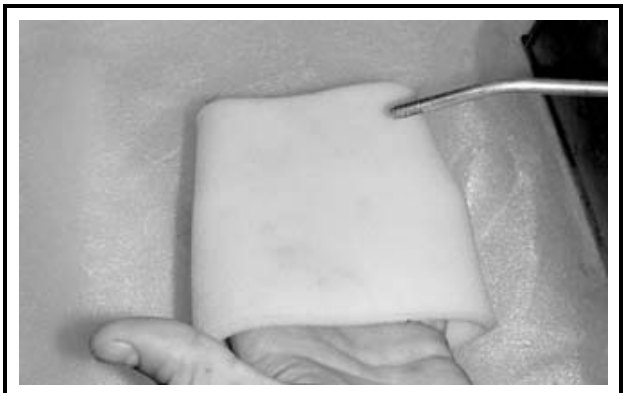
Air Filter Cleaning

1. Spray the foam filter element inside and out with AIR FILTER CLEANER (P/N 219 700 341).

AIR FILTER CLEANER (P/N 219 700 341)

TYPICAL - SPRAY FOAM ELEMENT INSIDE AND OUT

2. Let stand for 3 minutes.
3. As stated on air filter cleaner (UNI) container, rinse with plain water.
4. Dry the foam element completely.



TYPICAL - DRY

NOTE: A second application may be necessary for heavily soiled elements.

When the filter is dry, re-oil using AIR FILTER OIL (P/N 219 700 340) or an equivalent.

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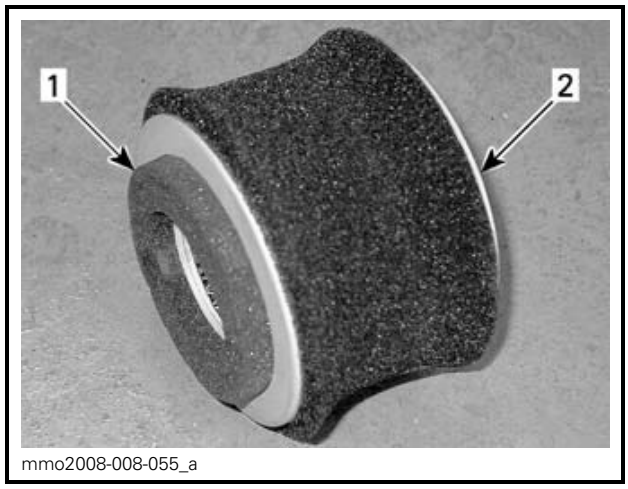
AIR FILTER OIL (P/N 219 700 340)

TYPICAL - OIL FOAM FILTER ELEMENT

NOTICE Engine performance degradation or severe damage can occur if the air filter is not properly maintained and/or if it is not well oiled.

Air Filter Installation

Installation is the reverse of removal procedure. Pay attention to ensure proper filter positioning in housing.

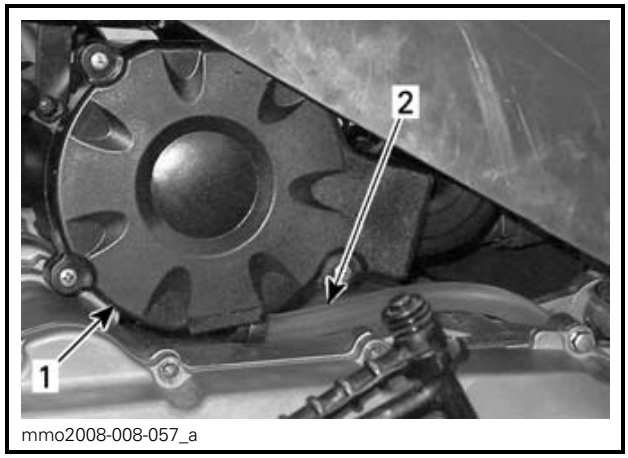


FILTER POSITION
1. *Cover side*
2. *Housing side*

Air Filter Housing

Air Filter Housing Draining

Periodically inspect air filter housing drain tube for liquids or deposits.



1. *Air filter housing*
2. *Drain tube*

NOTE: If vehicle is used in dusty areas, inspect more frequently than specified in *MAINTENANCE SCHEDULE*.

If liquids/deposits are found, squeeze and remove the clamp. Pull drain tube plug out and empty tube.

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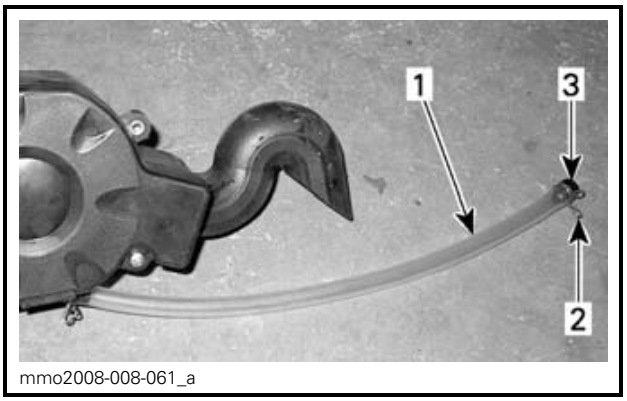

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1. Drain tube
2. Clamp
3. Plug

NOTICE **Do not start engine when liquids/deposits are found in the drain tube.**

When liquids or deposits are found, air filter and housing must be inspected, dried or replaced depending on its condition.

Air Injection Valve

Air Injection Valve Location

Air injection valve is located on the LH side of the vehicle underneath front fender.

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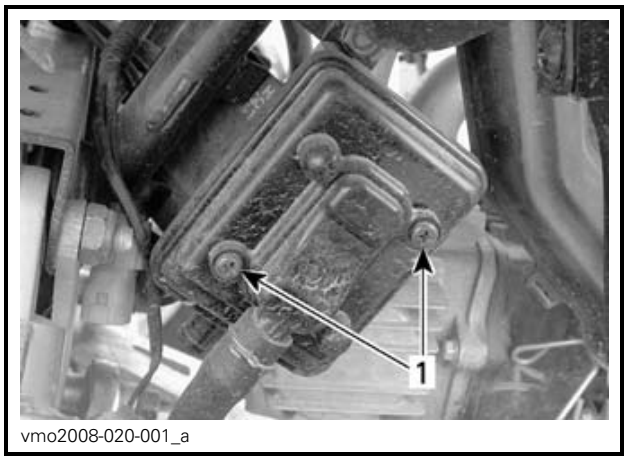
TYPICAL
1. Air injection valve

Air Injection Valve Cleaning

NOTE: Clean cover before removing.

Remove cover retaining screws.

Remove air injection valve cover.



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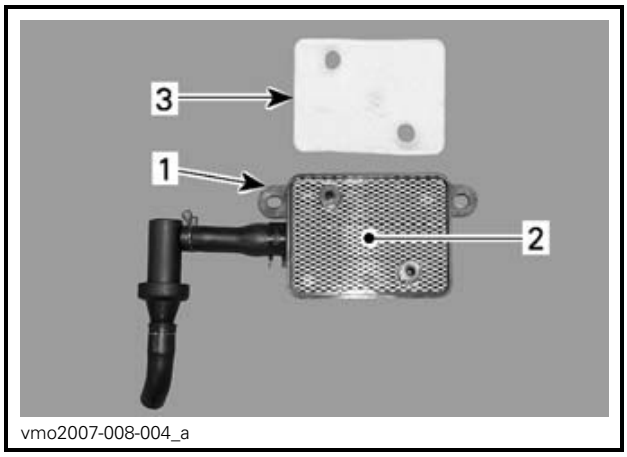
1. Remove screws

Remove filter from air injection valve.



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TYPICAL
1. Air injection valve
2. Screen
3. Air filter

Clean air filter and inside of air injection valve using pressurized air.

NOTE: If the air filter is still dirty, replace it with a new one.

When finished, properly reinstall removed parts in the reverse order of their removal.

Spark Arrester

Spark Arrester Cleaning

The muffler must be periodically purged of accumulated carbon.

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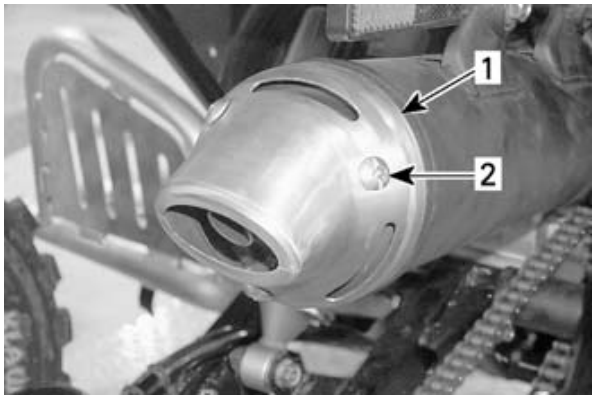
⚠ WARNING

Never perform this operation immediately after the engine has been run because exhaust system is very hot. Wear eye protection and gloves. Respect all applicable laws and regulations.

Remove muffler cover (if applicable).



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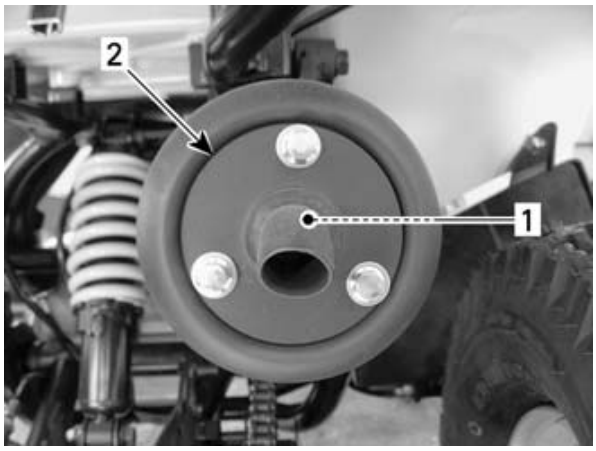
DS 90 X
1. *Muffler cover*
2. *Remove screws*

Remove the spark arrester from the muffler.



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1. *Spark arrester*
2. *Muffler tip*

Remove carbon deposits from the spark arrester using a brush.

NOTE: Use a soft brush and be careful to avoid damaging spark arrester.

Reinstall the spark arrester in muffler.

Reinstall muffler cover (if applicable).

CVT Cover

CVT Cover Draining

Whenever you suspect that water has entered the CVT cover, drain the CVT housing by removing the drain tube plug.

While reading this Operator's Guide, remember that:

⚠ WARNING

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

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LH SIDE OF VEHICLE
1. *Drain tube*
2. *Clamp*
3. *Plug*
4. *Engine drain plug*

Gearbox Oil

Recommended Gearbox Oil

Use 165 ml (6 U.S. oz) of XPS CHAINCASE OIL (P/N 415 129 500) or an equivalent SAE 75W90 chaincase oil).

NOTICE **Do not use other types of oil when servicing the gearbox.**

Gearbox Oil Level

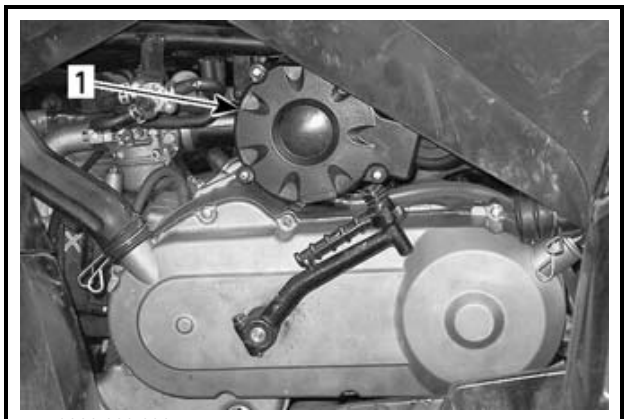
There is no dipstick provided with this vehicle, the gear box oil level cannot be checked.

The only way to ensure the level is correct is to drain the gearbox and refill it with the specified quantity of the recommended gearbox oil. Refer to *GEARBOX OIL CHANGE* for procedure.

Gearbox Oil Change

Place the vehicle on a level surface.

Remove the air filter housing from the vehicle.



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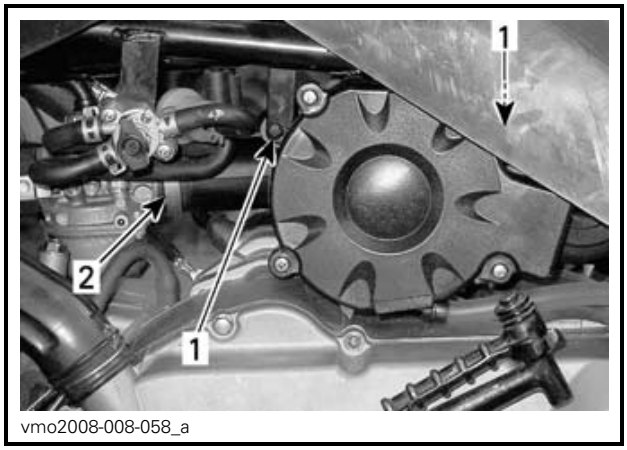
1. *Air filter housing*



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1. *Remove screws*
2. *Loosen clamp*

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REMOVE AIR FILTER HOUSING

Clean gearbox drain plug and oil filler plug area, then remove the gearbox drain plug.

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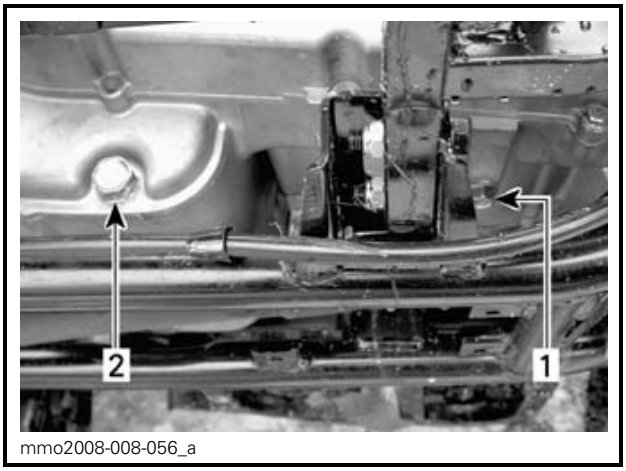
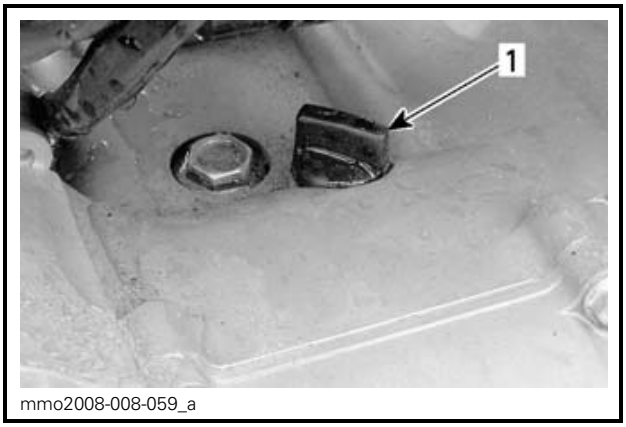


DRAIN PLUG — LH SIDE OF ENGINE
1. *Gearbox drain plug*
2. *Engine oil drain plug*



FILL PLUG — LH SIDE OF ENGINE
1. *Gearbox oil filler plug*

Allow enough time for oil to flow out of gearbox.

Reinstall drain plug and torque to 16.0 N•m ± 1.6 N•m (142 lbf•**in** ± 14 lbf•**in**).

Remove gearbox oil filler plug and refill gearbox using 165 ml (6 U.S. oz) of (P/N 413 801 900) or an equivalent SAE 75W90 chaincase oil.

NOTICE **There is no dipstick provided with this vehicle to check gearbox oil level. Be sure gearbox is completely drained before replenishing it with the specified amount of recommended oil.**

NOTICE **Do not use other types of oil when servicing the gearbox.**

Reinstall oil filler plug.

Reinstall all other removed parts.

Throttle Cable

Throttle Cable Inspection

Inspect throttle cable for excessive wear, kinking or fraying. Ensure cable moves freely.

NOTICE **The throttle cable must be replaced if any signs of wear, fraying or other damages are found.**

Throttle Cable Lubrication

Lubricate cable using CABLE LUBRICANT (P/N 293 600 041) or an equivalent silicone cable lubricant to reduce premature wear and to ensure proper movement of the cable.

⚠ WARNING

Always use a silicone-based lubricant. Using another lubricant (such as a water-based lubricant) could cause the throttle lever/cable to stick or become stiff.

Throttle Cable Adjustment

Check throttle lever free-play, adjust if necessary.

NOTE: If correct adjustment is unattainable, see an authorized Can-Am dealer.

The normal throttle free-play is 5 mm to 10 mm (.197 in to .394 in).

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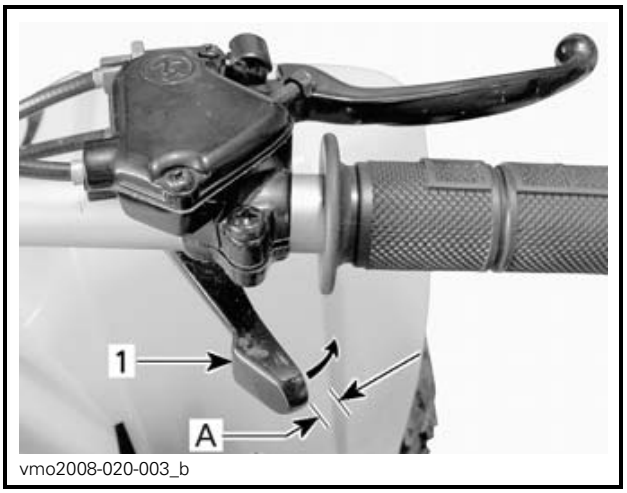
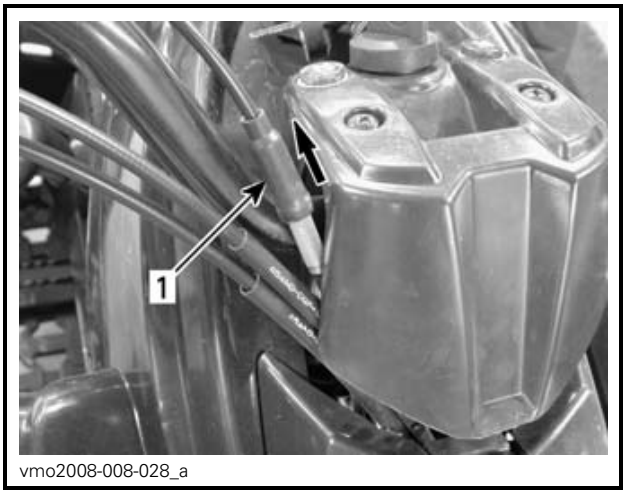


TYPICAL — NORMAL FREE-PLAY
1. *Throttle lever*

A. 5 mm to 10 mm (.197 in to .394 in)

To adjust cable, slide rubber protector back to expose throttle cable adjuster.

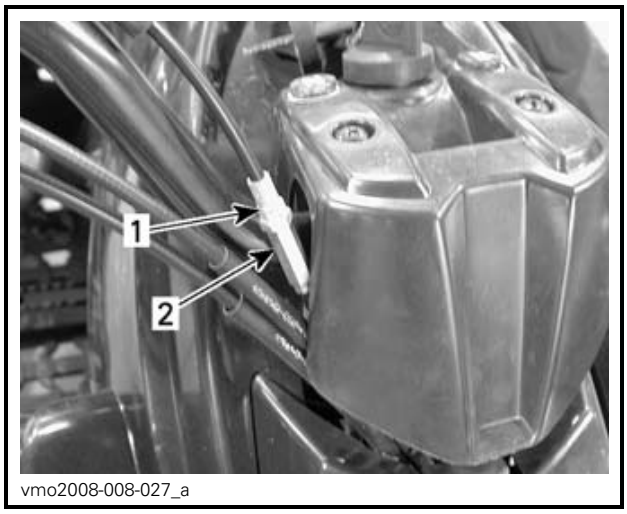


1. *Rubber protector*

Loosen lock nut and turn the adjuster to obtain proper adjustment.

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

Tighten locking nut and reinstall protector.



1. *Lock nut*
2. *Adjuster*

With the transmission lever set to NEUTRAL position, start the engine.

Check if the throttle cable is adjusted correctly by turning handlebar fully to the right, then fully to the left. If the engine RPM increases, readjust the throttle lever free play Ensure throttle cable is properly routed and not binding on anything when the handlebar is turned.

Spark Plug

Spark Plug Location

TYPICAL — RH SIDE OF VEHICLE
1. *Spark plug*

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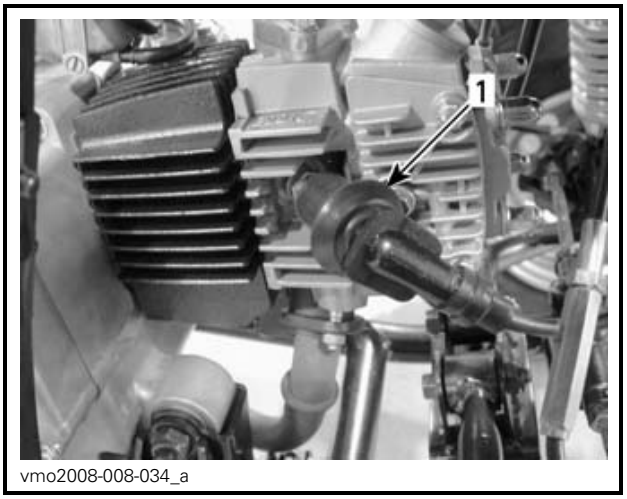
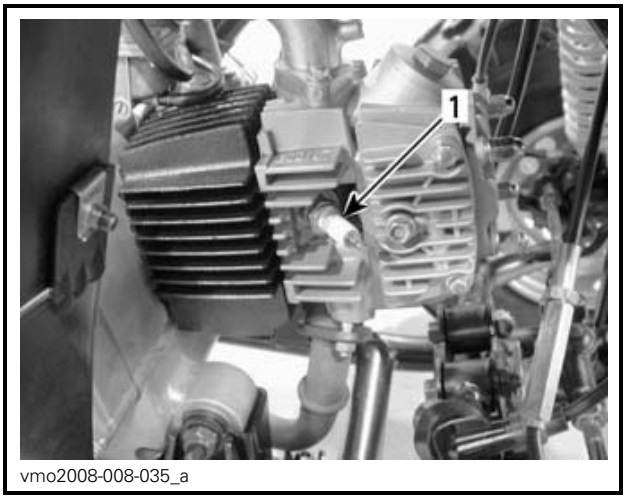
Spark Plug Removal

Disconnect spark plug cable from spark plug.



1. Spark plug cable

Unscrew spark plug one turn.



1. Spark plug

If possible, clean spark plug and cylinder head with pressurized air.

⚠ CAUTION Always wear safety goggles when using pressurized air.

Unscrew and remove spark plug completely.

Spark Plug Installation

Prior to installation, make sure the contact surface of the cylinder head and spark plug is free of grime.

Using a feeler gauge, set the spark plug gap between 0.7 mm to 0.8 mm (.028 in to .031 in).

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

Screw spark plug into cylinder head by hand and tighten with a torque wrench and proper socket.

Torque spark plug to 11.0 N•m ± 1.1 N•m (97 lbf•**in** ± 10 lbf•**in**).

Battery

To access the battery, remove the seat.

Battery Maintenance

⚠ CAUTION Never charge a battery while installed in vehicle.

NOTICE Never remove the battery sealing cap.

These vehicles are equipped with a VRLA battery (Valve Regulated Lead Acid). It is a maintenance-free type battery, there is no need to add water to adjust electrolyte level.

Clean battery post with a wire brush. Apply dielectric grease on post to protect against oxidation.

Battery Inspection

Inspect battery connections for tightness and cleanliness.

Inspect battery support.

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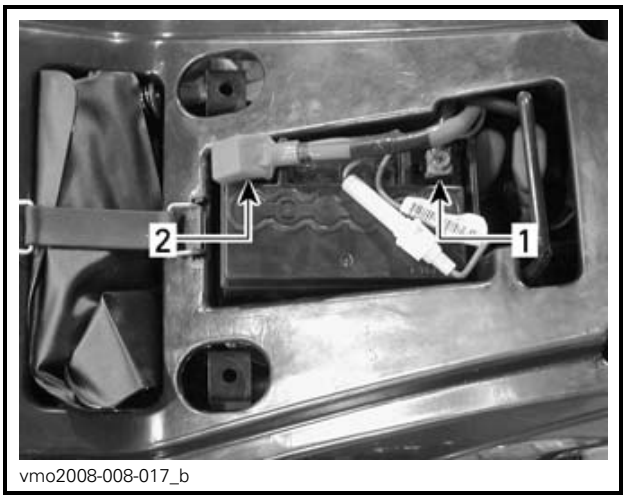
Battery Removal

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

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



1. BLACK (-)
2. RED (+)

Remove battery from vehicle.

Battery Cleaning

Clean battery, battery casing, cables 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 top should be cleaned using a soft brush and any grease-cutting soap or baking soda solution.

Apply DIELECTRIC GREASE (P/N 293 550 004) or an equivalent on battery posts to protect against oxidation.

Battery Installation

Reinstall battery in vehicle.

NOTICE Always reconnect RED (+) cable first, then the BLACK (-) cable.

Fuse

Fuse Replacement

NOTICE Do not use a higher rated fuse as this can cause severe electrical system component damage.

The electrical system is protected by a single 15 amp fuse.

If the fuse is open circuit (or burnt), replace it with a fuse of the same rating.

An in-line fuse holder is located on the RED (+) battery cable.

1. Fuse holder

To replace the fuse, slightly press the 2 halves of the fuse holder together as you twist them in a counterclockwise direction.

Lights

Daytime Running Light Bulb Replacement

DS 70 and DS 90

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

Always check light operation after replacement.

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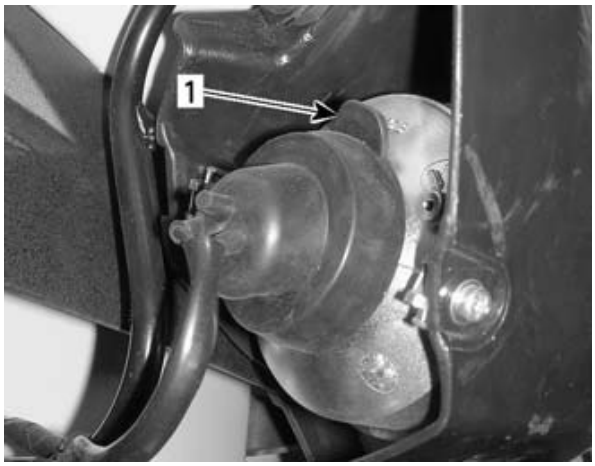
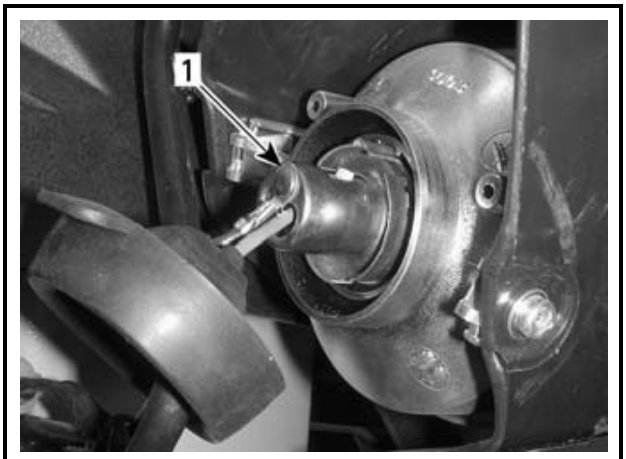
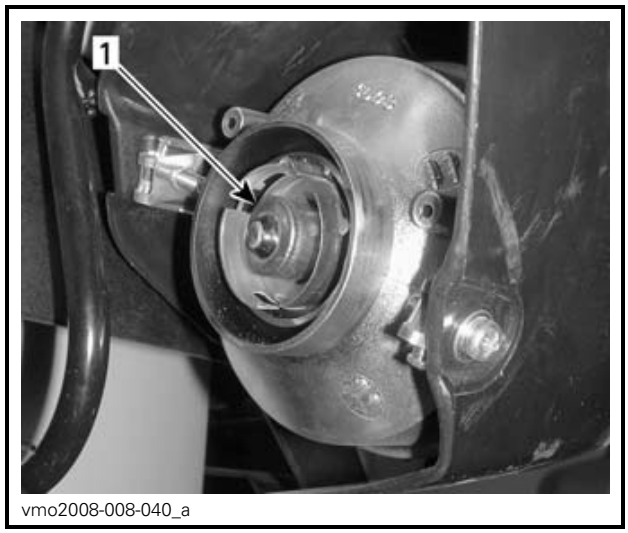


REMOVE RUBBER PROTECTOR
1. *Rubber protector*



PUSH AND TURN BULB HOLDER COUNTERCLOCKWISE
1. *Bulb holder*



PULL ON BULB TO REMOVE THEN REPLACE BULB
1. *Bulb*

Drive Chain and Sprockets

Drive Chain and Sprocket Inspection

NOTICE Replace chain and sprockets together to prevent rapid wear of these components.

NOTICE Never operate this vehicle with the drive chain too loose or too tight as severe damage to the drive components can occur.

Drive Chain

Inspect the chain for damaged links and rollers.

Replace chain if any damage is found.

Check the free-play of drive chain and adjust if necessary. Refer to *DRIVE CHAIN ADJUSTMENT*.

Roller

Inspect the drive chain roller around swing arm pivot member for excessive wear and damage. Replace if necessary.

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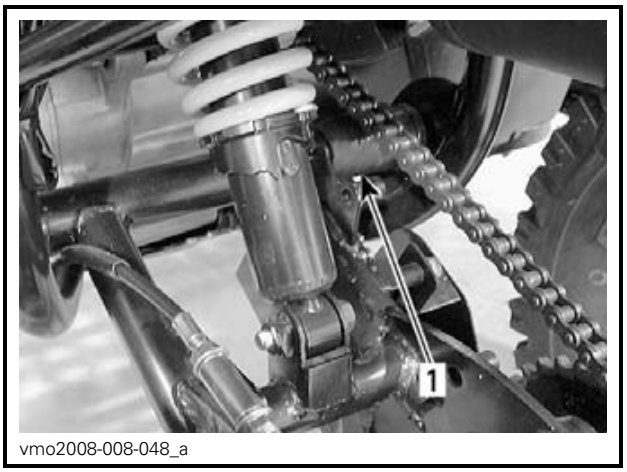
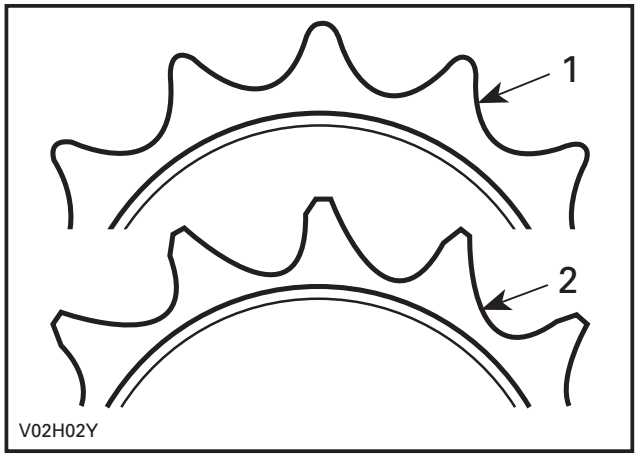


1. Drive chain roller

Sprockets

Check the sprocket axle and pinion for distortion, excessive wear or other damages. Replace if necessary.



1. Good
2. Replace

Drive Chain Lubrication

The drive chain should be checked for proper lubrication before each ride.

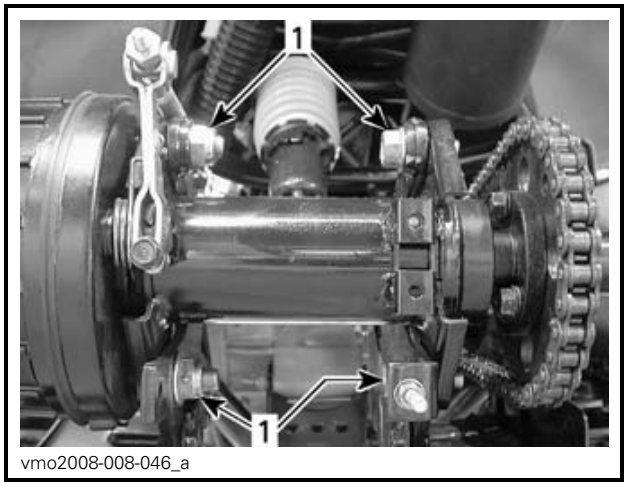
Lubricate using commercial chain lubricant.

Drive Chain Adjustment

The drive chain should be checked for proper adjustment before every ride.

NOTICE Never adjust the drive chain with the driver seated on the vehicle. Remove any load on the vehicle.

1. Place vehicle on a level surface and set transmission to NEUTRAL.
2. Check drive chain condition.
3. Loosen drive axle locking bolts.



TYPICAL — REAR AXLE
1. Locking bolts

4. Loosen chain adjuster lock nut.
5. On models equipped with a chain tensioner, lift and hold the chain tensioner off the chain to release chain tension until the chain adjustment is completed.
6. Turn chain adjuster nut until proper adjustment is obtained.

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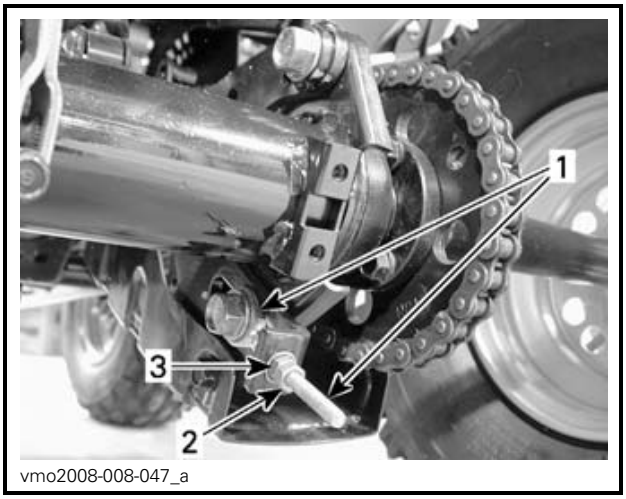
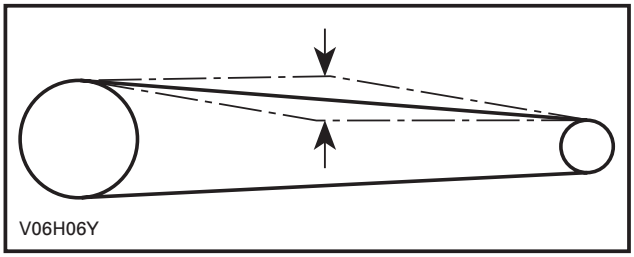


TYPICAL
1. *Chain adjuster*
2. *Chain adjuster lock nut*
3. *Chain adjuster nut*

The drive chain deflection should be between 44 mm to 57 mm (1.7 in to 2.2 in) up and down.



FREE-PLAY: 44 MM TO 57 MM (1.7 IN TO 2.2 IN)

7. When properly adjusted, tighten chain adjuster lock nut.
8. Then, tighten drive axle locking bolts to 69 N•m ± 7 N•m (51 lbf•ft ± 5 lbf•ft).
9. On models equipped with a chain tensioner, release the chain tensioner back onto the chain.

Tires and Wheels

Tire Pressure

⚠ WARNING

Tire pressure greatly affects vehicle handling and stability. Low pressure 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 the tool kit.

TIRE PRESSURE	
FRONT AND REAR	
MINIMUM	25 kPa (3.6 PSI)
MAXIMUM	35 kPa (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 and Wheel Condition

Occasionally, wheel bolts should be removed to apply anti-seize lubricant to ease future removal. This is particularly important when vehicle is used in a salt-water environment or in mud.

Remove one nut at a time, lubricate it, then install and retorque it.

Check tires and rims for damage and wear.

Replace if necessary.

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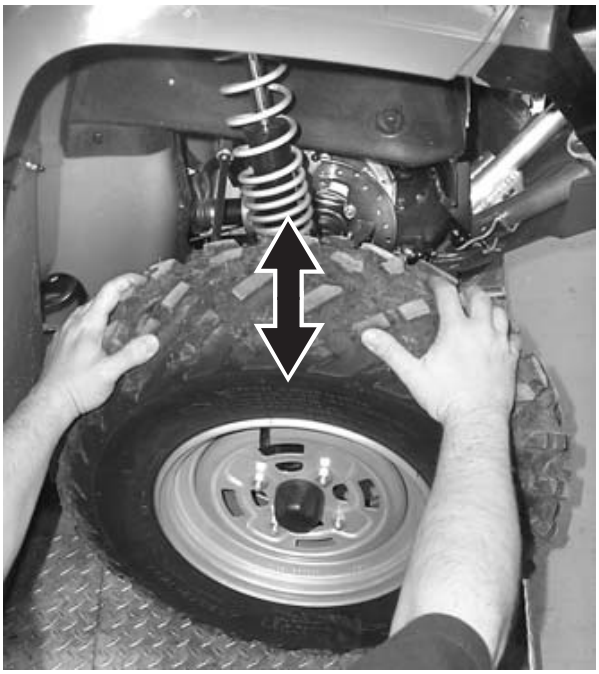
Wheel Bearing Condition

Push and pull on the top of each wheel to check for free play. See an authorized Can-Am dealer if any free play is felt.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TYPICAL

Wheel Removal and Installation

Loosen but do not remove wheel nuts. Lift vehicle and place a support under vehicle. Remove wheel nuts, then remove wheel.

At installation, it is recommended to apply anti-seize lubricant on the threads of the wheel mounting studs. Gently tighten nuts in a criss-cross sequence, then apply the specified torque.

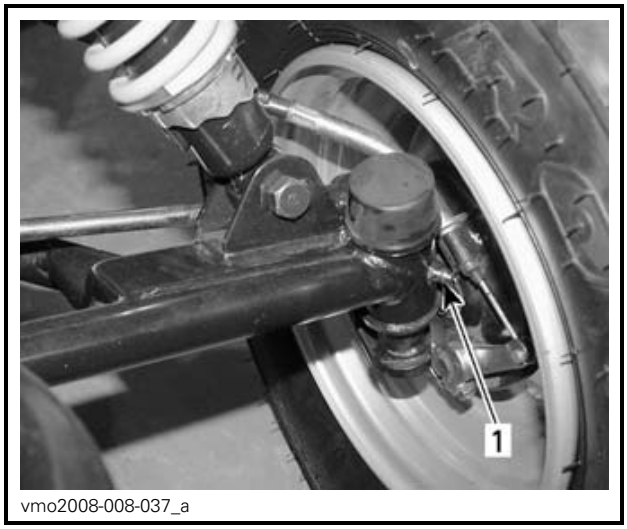
WHEEL NUT TORQUE	
FRONT AND REAR	40 N•m ± 4 N•m (30 lbf•ft ± 3 lbf•ft)

Steering System

Front Knuckle Lubrication

DS 70 and DS 90

Lubricate front knuckles. Use SUSPENSION GREASE (P/N 293 550 033) or an equivalent. The knuckle is fitted with a grease fitting.



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TYPICAL
1. Grease fitting

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Mechanical Brakes (DS 70 and DS 90)

Mechanical Brake Inspection

⚠ WARNING

Any brake system repair should be performed by an authorized Can-Am Dealer.

Check brake lever free-play (both levers), adjust if necessary.

Check for lever operation, they should move freely and have a firm feel when brakes are applied.

If correct adjustment is unattainable, see an authorized Can-Am dealer.

Inspect brake cables for excessive wear, kinking or fraying.

Replace any cable that show signs of wear, fraying or other damages.

Lubricate cables using CABLE LUBRICANT (P/N 293 600 041) to reduce premature wear and to ensure proper movement of the cable.

⚠ WARNING

Always use a silicone-based lubricant. Using any other lubricant (such as a water-based lubricant) may cause the brake cables to stick or become stiff.

Have your authorized Can-Am dealer inspect brake shoes for wear or damage.

BRAKE SHOE MINIMUM THICKNESS	
FRONT AND REAR	1.5 mm (.06 in)

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

Front Brake Cable Adjustment

Fully tighten all adjustment screws on brake cables.

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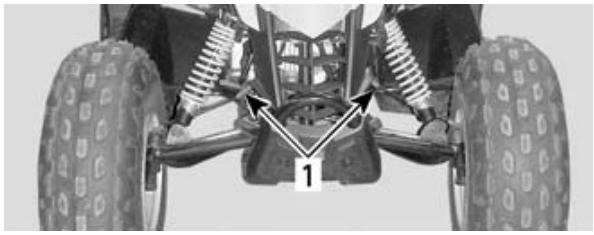
1. Adjustment screws on lever



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1. Adjustment screws on cables

Press brake lever.

Adjust cable link so it is parallel to cable support. Turn adjustment screws on cable (not at lever) as required.

While reading this Operator's Guide, remember that:

⚠ WARNING

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

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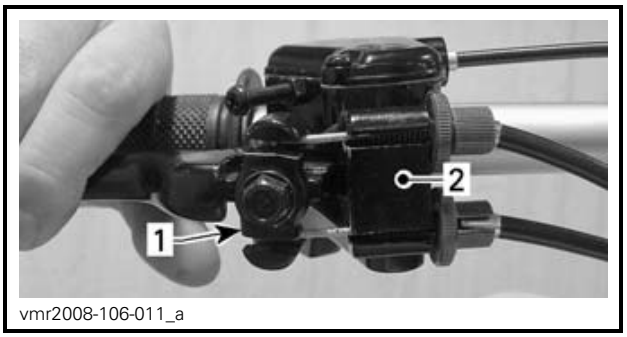

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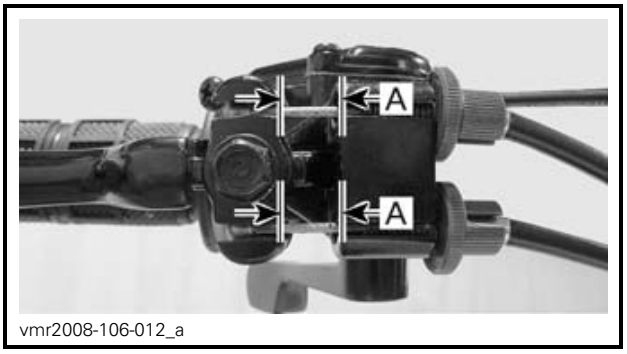
1. Cable link
2. Cable support

Using adjustment screws on lever, adjust cable free-play.

BRAKE CABLE ADJUSTMENT	
FREE-PLAY	10 mm to 12 mm (.4 in to .5 in)



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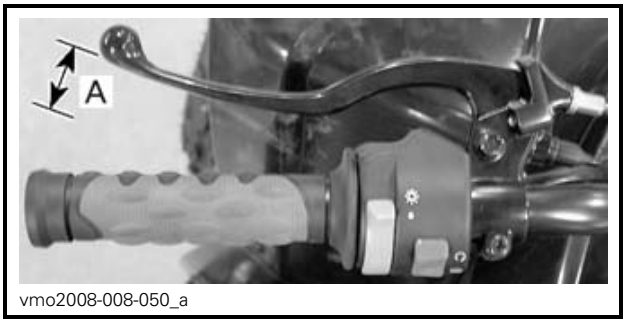
A. 10 mm to 12 mm (.4 in to .5 in)

Tighten all adjustment screw locks.

Rear Brake Lever Adjustment

The normal free-play measured at the end of the brake lever is 15 mm to 25 mm (.6 in to 1 in).



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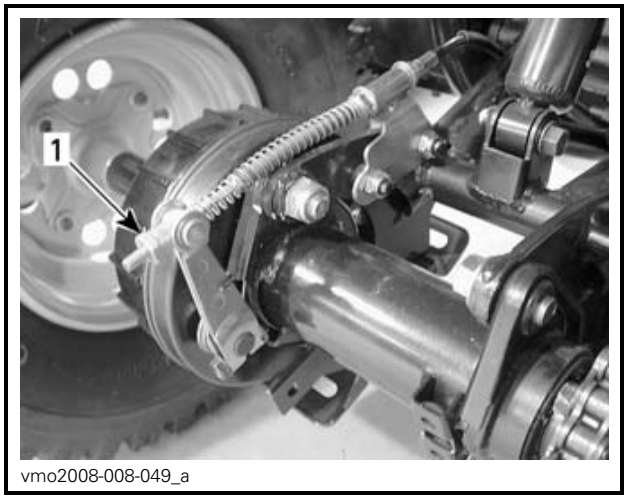
NORMAL FREE-PLAY
A. 15 mm to 25 mm (.6 in to 1 in)

To adjust rear brake lever, turn the brake cable adjuster at the end of brake cable until proper adjustment is obtained.



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1. Brake cable adjuster

Hydraulic Brakes (DS 90 X)

⚠ WARNING

New brakes will not perform to their maximum efficiency until after their initial break-in is complete. Use extra caution.

Hydraulic Brake Inspection

⚠ WARNING

Brake fluid replacement or brake system maintenance and repairs should be performed by an authorized Can-Am dealer.

The braking system is a hydraulic type and no adjustment is required.

Check the following to maintain the brake system in a good operating condition:

- Brake fluid level
- Brake system for fluid leaks
- Brake for spongy feel

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– Brake cleanliness
– Brake discs for excessive wear and surface condition
– Brake pads for wear, damage or looseness.

Have your authorized Can-Am dealer inspect brake pads for wear or damage.

BRAKE PAD MINIMUM THICKNESS	1 mm (.039 in)

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

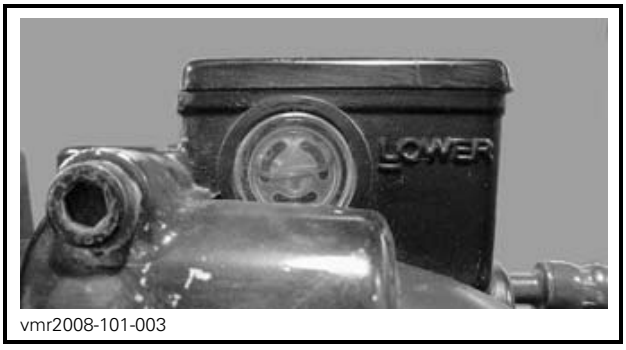
Recommended Brake Fluid

Always use brake fluid meeting the specification DOT 4 only.

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

Brake Fluid Level

Brake fluid reservoirs are located on the handlebar above brake levers.



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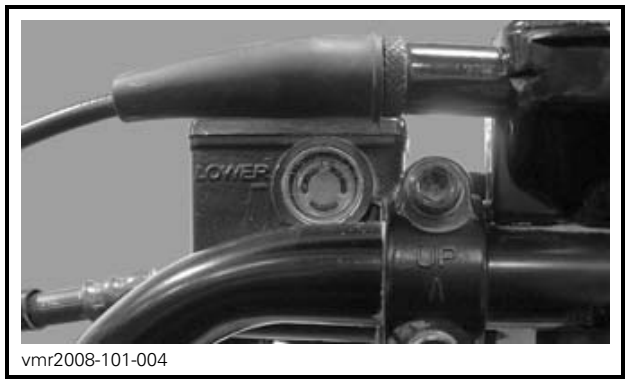
LH REAR BRAKE FLUID RESERVOIR



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RH FRONT BRAKE FLUID RESERVOIR

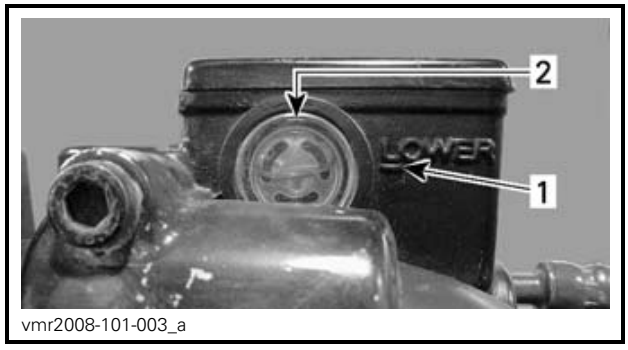
Turn steering in the straight-ahead position to ensure reservoirs are levelled.

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

NOTE: The reservoir is full when the fluid reaches the top of the window.

Add fluid as required. **Do not overfill.**

Clean filler cap before removing.



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TYPICAL
1. *Minimum*
2. *Maximum*

NOTICE **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.

Visually inspect lever boot condition. Check for cracks, tears, or other damages. Replace if damaged.

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Repeat the same procedure for the other reservoir.

Frame

Frame Fasteners

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

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Post-Operation Care

When the vehicle is used in a salt-water environment, rinsing the vehicle with fresh water is necessary to preserve the vehicle and its components. Lubrication of metal parts is highly recommended. Use XPS LUBE (P/N 293 600 016).

This must be performed at the end of each day of operation.

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

NOTICE **Never use a high pressure washer to clean these vehicles. USE LOW PRESSURE ONLY (such as a garden hose). High pressure can cause electrical and mechanical damage.**

Vehicle Cleaning and Protection

NOTICE **Never clean plastic parts with a strong detergent, de-greasing agent, paint thinner, acetone, etc.**

Never use a high pressure washer to clean the vehicle **USE LOW PRESSURE ONLY** (such as a garden hose). A high pressure wash can cause electrical or mechanical damage.

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

When required, wash the body parts using warm water and a mild detergent. Apply a non-abrasive wax.

While reading this Operator's Guide, remember that:

⚠ WARNING

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

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STORAGE AND PRESEASON PREPARATION

⚠ WARNING

Have an authorized Can-Am dealer inspect the fuel system integrity as specified in *MAINTENANCE SCHEDULE*.

When a vehicle is not in use for a period of four months, proper storage is a necessity.

See an authorized Can-Am dealer for proper procedures.

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

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TECHNICAL INFORMATION

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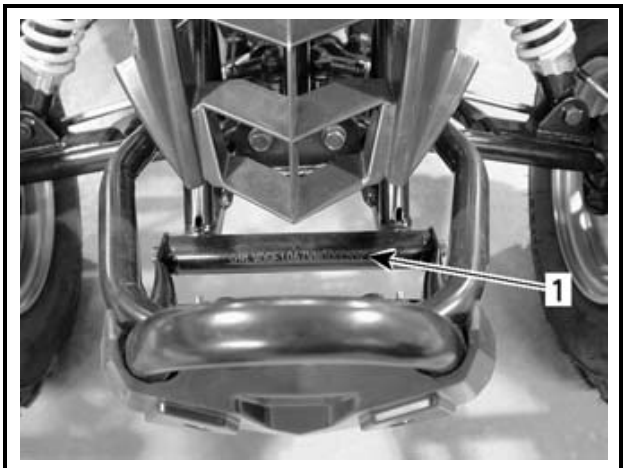
VEHICLE IDENTIFICATION

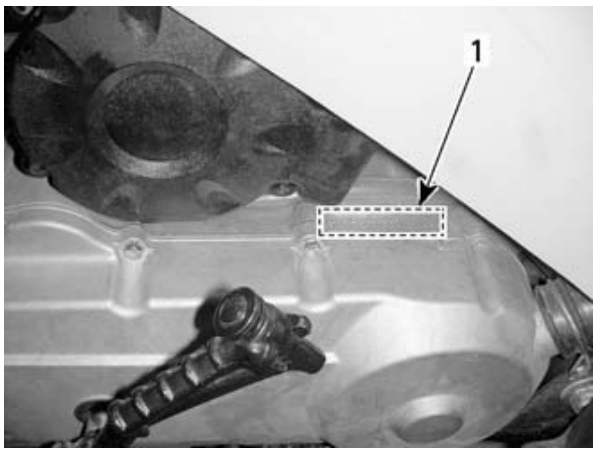
The main components of your vehicle (engine and frame) are identified using different serial numbers. It may sometimes become necessary to locate these numbers for warranty purposes or to trace your vehicle in the event of loss. These numbers are also required by the authorized Can-Am dealer to complete warranty claims properly. No warranty will be allowed by BRP if the engine identification number (EIN) or vehicle identification number (VIN) is removed, mutilated or altered 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.

Vehicle Identification Number Location



TYPICAL — FRONT OF VEHICLE
1. VIN

Engine Identification Number Location



LH SIDE OF VEHICLE
1. EIN

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NOISE EMISSION CONTROL SYSTEM REGULATION

USA and Canada Only

Tampering with a 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.

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SPECIFICATIONS

MODEL			DS 70	DS 90 DS 90 X
ENGINE				
Type			4-stroke, forced air cooled	
Number of cylinders			Single horizontal cylinder	
Displacement			69.36 cm³ (4.2 in³)	89.53 cm³ (5.5 in³)
Starting			Electric/kick start	
Engine oil		Type	For the summer season, use XPS SYNTHETIC BLEND OIL (SUMMER GRADE) (P/N 293 600 121). For the winter season, use XPS SYNTHETIC OIL (WINTER GRADE) (P/N 293 600 112).Refer to *OIL VISCOSITY CHART*	
		Capacity	Oil change with filter: 1.1 L (1.2 qt (U.S. liq.))	
TRANSMISSION				
Transmission			Continuously Variable Transmission (CVT)	
GEARBOX				
Type			3 positions: Forward, Neutral and Reverse	
Gearbox oil		Type	XPS CHAINCASE OIL (P/N 415 129 500) or an equivalent 75W90 chaincase oil	
		Capacity	165 ml (6 U.S. oz)	
FUEL SYSTEM				
Carburetor		Make	KEHIN with manual choke	
		Type	PTE	
Idle speed			1700 ± 100 RPM	
Fuel	Type		Unleaded gasoline	
	Octane	Inside North America	87 ((R + M)/2) or higher	
		Outside North America	92 RON	
Fuel tank	Capacity		6 L (1.6 U.S. gal.)	

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MODEL		DS 70	DS 90 DS 90 X
ELECTRICAL			
Ignition type		CDI (Capacitor Discharge Ignition)	
Spark plug	Make	NGK	
	Type	CR7HSA	
	Gap	0.6 mm to 0.7 mm (.024 in to .028 in)	
	Quantity	1	
Battery	Type	Maintenance free	
	Volt	12 volts, 4 A•h	
Starting system		Electric start/kick start	
Daytime running light bulb		2 x 5 W	
Fuse	Main	15 A	
SUSPENSION			
Type	Front	Independent suspension – A-arm. DS 90 X: Double A-arm	
	Rear	Rigid swing arm	
Travel	Front	86 mm (3.4 in) DS 90 X: 178 mm (7 in)	
	Rear	160 mm (6.3 in) DS 90 X: 178 mm (7 in)	
Shock absorber		Oil DS 90 X: HPG	
TIRES			
Pressure	Front	Minimum: 25 kPa (3.6 PSI) Maximum: 35 kPa (5 PSI)	
	Rear		
Size	Front	19 x 7-8 DS 90 X: 20 x 6-10	
	Rear	18 x 9.5-8 DS 90 X: 18 x 10.5-8	

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MODEL		DS 70	DS 90 DS 90 X
WHEELS			
Size	Front	8 x 5.5 DS 90 X: 10 x 5.5	
	Rear	8 x 7 DS 90 X: 8 x 8.5	
Wheel nut torque	Front and rear	40 N•m ± 4 N•m (30 lbf•ft ± 3 lbf•ft)	
BRAKES			
Front		Mechanical, drum DS 90 X: hydraulic, disc	
Rear		Mechanical, drum DS 90 X: hydraulic, disc	
Parking device		LH brake lever with parking brake	
DIMENSION AND WEIGHT			
Dry weight		111 kg (245 lb)	
Overall length		152 cm (59.8 in)	
Overall width		91 cm (35.8 in) DS 90 X: 111 cm (43.7 in)	
Overall height		93.5 cm (36.8 in) DS 90 X: 97 cm (38.2 in)	
Wheelbase		100 cm (39.4 in) DS 90 X: 102.4 cm (40.3 in)	
Ground clearance		11.5 cm (4.5 in)	

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TROUBLESHOOTING

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TROUBLESHOOTING GUIDELINES

ENGINE DOES NOT CRANK

1. Ignition switch is in the OFF position.
   – *Place switch to the ON position.*
2. Burnt fuse.
   – *Check main supply fuse.*
3. Weak battery or loose connections.
   – *Check connections and condition of terminals.*
   – *Have the battery checked.*
   – *Contact an authorized Can-Am dealer.*

ENGINE TURNS OVER BUT FAILS TO START

1. Emergency engine stop switch is in the OFF position.
   – *Set switch to the ON position.*
2. Mixture not rich enough to start cold engine.
   – *Check fuel tank level and starting procedure for a cold engine, particularly use of the choke.*
3. Flooded engine (spark plug wet when removed).
   – *When the engine does not start after several attempts, the engine may be flooded with fuel. Proceed as follows:*
     • Turn ignition switch to ON and ensure choke is not applied.
     • Fully depress throttle lever and hold while starting the engine.
     • As soon as the engine starts, release throttle lever. Do not race engine.
     If the engine still does not start:
     • Disconnect the spark plug cable.
     • Remove the spark plug.
     • Crank engine several times.
   – *Install new spark plug if possible or clean and dry removed spark plug.*
     • Start engine as explained above. If engine continues to flood, see an authorized Can-Am dealer.
   – *Ensure there is no fuel in the engine oil due to engine flooding, if so, replace engine oil.*
4. No fuel to the engine (spark plug dry when removed).
   – *Check fuel tank level; turn fuel valve to ON (also try on RES.). A failure of the fuel pump or carburetor may have occurred.*
   – *Contact an authorized Can-Am dealer.*

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

5. Spark plug/ignition (no spark).
   - *Remove spark plug from engine and reconnect it to spark plug cap.*
   - *Ensure the ignition switch is set to ON, and the emergency engine stop switch is set to the RUN 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.*
6. Engine compression.
   - *As the engine is rotated using the kick stater, "cycles" of resistance should be felt as the piston goes past top dead center (compression). If no pulsed resistance is felt, it suggests a major loss of compression. Contact an authorized Can-Am dealer.*

ENGINE LACKS ACCELERATION OR POWER

1. Fouled/damage/worn spark plug.
   - *Clean/verify spark plug and heat range. Replace as required.*
2. Lack of fuel to engine.
   - *Check items listed in ENGINE TURNS OVER BUT FAILS TO START.*
3. Carburetor adjustments.
   - *Contact an authorized Can-Am dealer.*
4. Engine is overheating.
   - *If the engine tends to overheat, try the following:*
     • Reduce vehicle speed but maintain sufficient speed to supply cooling air to the engine. If engine is still overheating after approximately one minute, stop vehicle.
     • Apply parking brake and stop engine.
     • Let engine cool down.
     • See an authorized Can-Am dealer as soon as possible.
   - *If overheating persists, contact an authorized Can-Am dealer.*
5. Air filter/box clogged or dirty.
   - *Check air filter and clean if necessary.*
   - *Check the position of the air intake tube.*
6. CVT dirty or worn, including belt.
   - *Contact an authorized Can-Am dealer.*

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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.*
4. Improper carburetor setting.
   – *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 brake lever lock is completely disengaged.*
3. Air filter/box clogged or dirty.
   – *Check air filter and clean if necessary.*
   – *Check the position of the air intake tube.*
4. CVT dirty or worn, including belt.
   – *Contact an authorized Can-Am dealer.*

THE RPM INCREASES BUT THE VEHICLE DOES NOT MOVE

1. The transmission is in NEUTRAL position.
   – *Set transmission in REVERSE or FORWARD.*
2. CVT is defective.
   – *Contact an authorized Can-Am dealer.*
3. Water in the CVT housing.
   – *Contact an authorized Can-Am dealer.*

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WARRANTY

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BRP LIMITED WARRANTY USA AND CANADA: 2011 CAN-AM™ ATV

1) SCOPE OF THE LIMITED WARRANTY

Bombardier Recreational Products Inc. ("BRP")* warrants its 2011 Can-Am ATV sold by authorized Can-Am ATV dealers (as hereinafter defined) in the fifty United States and Canada from defects in material or workmanship for the period and under the conditions described below. This limited warranty will become null and void if: (1) the ATV was used for racing or any other competitive activity, at any point, even by a previous owner; or (2) the ATV has been altered or modified in such a way so as to adversely affect its operation, performance or durability, or has been altered or modified to change its intended use.

All genuine Can-Am ATV parts and accessories, installed by an authorized BRP dealer at the time of delivery of the 2011 Can-Am ATV, carry the same warranty as that of the Can-Am ATV.

2) 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 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.

3) 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;

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– 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 ATV 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);
– Damages from rust, corrosion or exposure to the elements;
– Damage resulting from 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.

4) WARRANTY COVERAGE PERIOD

This warranty will be in effect from (1) the date of delivery to the first retail consumer or (2) 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, except that emission-related components installed on EPA certified ATVs registered in the USA are covered for 5000 km or thirty (30) consecutive months whichever comes first; and evaporative emission related components are warranted for twenty-four (24) consecutive months. To obtain a list of the current warranted emission-related components, please see an authorized Can-Am ATV dealer.

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.

5) CONDITIONS TO HAVE WARRANTY COVERAGE

This warranty coverage is available **only** if **each** of the following conditions has been fulfilled:

– The 2011 Can-Am ATV must be purchased as new and unused by its first owner from a Can-Am ATV dealer authorized to distribute Can-Am ATVs in the country in which the sale occurred ("Can-Am ATV dealer");
– The BRP specified pre-delivery inspection process must be completed and documented;
– The 2011 Can-Am ATV must have undergone proper registration by an authorized Can-Am ATV dealer;

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– The 2011 Can-Am ATV must be purchased in the country in which the purchaser resides;
– 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.

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.

6) WHAT TO DO TO OBTAIN WARRANTY COVERAGE

The customer must cease using the ATV upon the appearance of an anomaly. The customer must notify a servicing BRP 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 BRP 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.

7) 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 BRP dealer during the warranty coverage period under the conditions described herein. BRP's responsibility is limited to making the required repairs or replacements of parts. No claim of breach of warranty shall be cause for cancellation or rescission of the sale of the ATV to the owner.

In the event that service is required outside of the country of original sale, the owner will bear responsibility for any additional charges due to local practices and conditions, such as, but not limited to, freight, insurance, taxes, license fees, import duties, and any and all other financial charges, including those levied by governments, states, territories and their respective agencies.

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

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8) SUPPLIER WARRANTIES

A GPS receiver may be supplied by BRP as standard equipment on certain 2011 Can-Am ATV's. The GPS receiver is covered by the limited warranty issued by the GPS receiver's manufacturer and is not covered by this limited warranty. Please contact the following distributors if in Canada or the manufacturer if in the USA:

In the USA:
Garmin International Inc.
U.S.: 913 397-8200
U.S. Toll Free: 1 800 800-1020
Website: www.garmin.com

In Canada (one or the other):

Raytech Électronique
Tel.: 450 975-1015
Fax: 800 975-0025 / 450 975-0817
Contact: raytech@raytech.qc.ca
Web Site: www.raytech.qc.ca
Coord. GPS: N45o35.25' - W73o42.95'

Naviclub Ltd
Tel.: 418 835-9279
Fax: 418 835-6681
Contact: naviclub@naviclub.com
Web Site: www.naviclub.com

Your 2011 Can-Am ATV could be originally equipped with Carlisle† or ITP† branded ATV tires. The tires are warranted separately by the tire manufacturer and are not covered by this limited warranty. Please contact the manufacturer or ask your authorized Can-Am ATV dealer for assistance.

Carlisle Tire & Wheel Company
23 Windham Boulevard
Aiken SC 29805
Warranty Information:
USA: 1 800 260-7959
Canada: 1 800 265-6155
Quebec: 1 877 997-4999

9) 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:

1. The former owner contacts BRP (at the phone number provided below) or an authorized BRP dealer and gives the coordinates of the new owner; or
2. BRP or an authorized BRP dealer receives a proof that the former owner agreed to the transfer of ownership, in addition to the coordinates of the new owner.

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10) CONSUMER ASSISTANCE

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.

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
CUSTOMER ASSISTANCE CENTER
75 J.-A. Bombardier Street
Sherbrooke QC J1L 1W3
Tel.: 819 566-3366

In USA

BRP US INC.
CAN-AM ATV
CUSTOMER ASSISTANCE CENTER
7575 Bombardier Court
Wausau WI 54401
Tel.: 715 848-4957

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BRP INTERNATIONAL LIMITED WARRANTY: 2011 CAN-AM™ ATV

1) SCOPE OF THE LIMITED WARRANTY

Bombardier Recreational Products Inc. (“BRP”)* warrants its 2011 Can-Am ATV sold by Can-Am ATV distributors or dealers authorized by BRP to distribute Can-Am ATVs ("Can-Am ATV Distributor/Dealer") outside of the fifty United States, Canada and states that are members of the European Economic Area ("EEA") (which is comprised of the member states of the European Union plus Norway, Iceland and Liechtenstein) 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 ATV Distributor/Dealer at the time of delivery of the 2011 Can-Am ATV, carry the same warranty as that of the Can-Am ATV.

This limited warranty will become null and void if: (1) The ATV was used for racing or any other competitive activity, at any point, even by a previous owner; or (2) the ATV has been altered or modified in such a way so as to adversely affect its operation, performance or durability, or has been altered or modified to change its intended use.

2) 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 WARRANTIES 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 Can-Am ATV Distributor/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.

3) EXCLUSIONS – ARE NOT WARRANTED

The following are not warranted under any circumstances:

– Normal wear and tear;
– Routine maintenance items, tune ups, adjustments;

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– 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 ATV 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);
– Damage resulting from rust, corrosion or exposure to the elements;
– Damage resulting from 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.

4) WARRANTY COVERAGE PERIOD

This warranty will be in effect from (1) the date of delivery to the first retail consumer or (2) 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.

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.

5) CONDITIONS TO HAVE WARRANTY COVERAGE

This warranty coverage is available **only** if **each** of the following conditions has been fulfilled:

– The 2011 Can-Am ATV must be purchased as new and unused by its first owner from a Can-Am ATV Distributor/Dealer authorized to distribute Can-Am ATVs in the country in which the sale occurred;
– The BRP specified pre-delivery inspection process must be completed and documented;
– The product must have undergone proper registration by an authorized Can-Am ATV Distributor/Dealer;
– The 2011 Can-Am ATV must be purchased in the country or union of countries in which the purchaser resides; and
– 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.

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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.

6) WHAT TO DO TO OBTAIN WARRANTY COVERAGE

The customer must cease using the ATV upon the appearance of an anomaly. The customer must notify a servicing Can-Am ATV Distributor/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 ATV 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.

7) 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 ATV Distributor/Dealer during the warranty coverage period under the conditions described herein. BRP's responsibility is limited to making the required repairs or replacements of parts. No claim of breach of warranty shall be cause for cancellation or rescission of the sale of the Can-Am ATV to the owner.

In the event that service is required outside of the country of original sale, the owner will bear responsibility for any additional charges due to local practices and conditions, such as, but not limited to, freight, insurance, taxes, license fees, import duties, and any and all other financial charges, including those levied by governments, states, territories and their respective agencies.

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

8) TRANSFER

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

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9) CONSUMER ASSISTANCE

1. 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 Can-Am ATV Dealer level. We recommend discussing the issue with the service manager or owner. You will find your Can-Am ATV Distributor/Dealer's coordinates on our website at www.brp.com.
2. If further assistance is required, the Can-Am ATV Distributor service department should be contacted in order to resolve the matter.
3. If the matter still remains unresolved then contact BRP by writing to us at the address listed below.

For countries within Europe, Middle East, Africa, Russia & CIS, please contact our European office:

BRP EUROPE N.V.
Customer Assistance Center
Skaldenstraat 125
9042 Gent
Belgium
Tel.: +32-9-218-26-00

For Scandinavian countries, please contact our Finland office:

BRP FINLAND OY
Service Department
Isoaavantie 7
FIN-96320 Rovaniemi
Finland
Tel.: +358 16 3208 111

For all other countries, please contact your local Can-Am ATV Distributor/Dealer (visit our website at www.brp.com for contact information), or contact our North America office at:

BOMBARDIER RECREATIONAL PRODUCTS INC.
Customer Assistance Center
75 J.-A. Bombardier Street
Sherbrooke QC J1L 1W3
Tel.: 819 566-3366

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BRP LIMITED WARRANTY FOR THE EUROPEAN ECONOMIC AREA: 2011 CAN-AM™ ATV

1) SCOPE OF THE LIMITED WARRANTY

Bombardier Recreational Product Inc. ("BRP")* warrants its new and unused model-year 2011 Can-Am ATVs sold by Can-Am ATV distributors or dealers authorized by BRP to distribute Can-Am ATVs ("Can-Am ATV Distributor/Dealer") in the states that are members of the European Economic Area ("EEA") (which is comprised of the member states of the European Union plus Norway, Iceland and Liechtenstein) 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 ATV Distributor/Dealer at the time of delivery of the 2011 Can-Am ATV, carry the same warranty as that of the ATV.

This limited warranty will become null and void if: (1) The ATV was used for racing or any other competitive activity, at any point, even by a previous owner; or (2) the ATV has been altered or modified in such a way so as to adversely affect its operation, performance or durability, or has been altered or modified to change its intended use.

2) 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 WARRANTIES 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 Can-Am ATV Distributor/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.

3) EXCLUSIONS – ARE NOT WARRANTED

The following are not warranted under any circumstances:

– Normal wear and tear;
– Routine maintenance items, tune ups, adjustments;

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– 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 ATV 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);
– Damage resulting from rust, corrosion or exposure to the elements;
– Damage resulting from water or snow ingestion;
– 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.

4) WARRANTY COVERAGE PERIOD

This warranty will be in effect from (1) the date of delivery to the first retail consumer or (2) the date the product is first put into use, whichever occurs first and for a period of:

TWENTY-FOUR (24) CONSECUTIVE MONTHS for private use.

SIX (6) CONSECUTIVE MONTHS for commercial use or rental use.

The product is used commercially when it is used in connection with any work or employment that generates income during any part of the warranty period. The product is also used commercially when, at any point during the warranty period, it is licensed for commercial use.

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.

Note that the duration and any other modalities of the warranty coverage are subject to the applicable national or local legislation in your country.

5) CONDITIONS TO HAVE WARRANTY COVERAGE

This warranty coverage is available **only** if **each** of the following conditions has been fulfilled:

– The 2011 Can-Am ATV must be purchased as new and unused by its first owner from a Can-Am ATV Distributor/Dealer authorized to distribute Can-Am ATVs in the country in which the sale occurred;
– The BRP specified pre-delivery inspection process must be completed and documented;

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– The product must have undergone proper registration by an authorized Can-Am ATV Distributor/Dealer;
– The 2011 Can-Am ATV must be purchased in the EEA; and
– 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.

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.

6) WHAT TO DO TO OBTAIN WARRANTY COVERAGE

The customer must cease using the ATV upon the appearance of an anomaly. The customer must notify a servicing Can-Am ATV Distributor/Dealer within two (2) months 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 ATV 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.

Note that the notification period is subject to the applicable national or local legislation in your country.

7) 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 ATV Distributor/Dealer during the warranty coverage period under the conditions described herein. BRP's responsibility is limited to making the required repairs or replacements of parts. No claim of breach of warranty shall be cause for cancellation or rescission of the sale of the Can-Am ATV to the owner.

In the event that service is required outside of the EEA, the owner will bear responsibility for any additional charges due to local practices and conditions, such as, but not limited to, freight, insurance, taxes, license fees, import duties, and any and all other financial charges, including those levied by governments, states, territories and their respective agencies.

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

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8) TRANSFER

If the ownership of a product is transferred during the warranty coverage period, this limited warranty shall also be transferred and be valid for the remaining coverage period provided BRP or an authorized Can-Am ATV 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

1. 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 Can-Am ATV Dealer level. We recommend discussing the issue with the Can-Am ATV Distributor/Dealer's service manager or owner. You will find your Can-Am ATV Distributor/Dealer's coordinates on our website at www.brp.com.

2. If further assistance is required, the Can-Am ATV Distributor's service department should be contacted in order to resolve the matter.

3. If the matter still remains unresolved then contact BRP at the address listed below.

For countries within Europe, Middle East, Africa, Russia & CIS, please contact our European office:

BRP EUROPE N.V.

Customer Assistance Center
Skaldenstraat 125
9042 Gent
Belgium
Tel.: +32-9-218-26-00

For Scandinavian countries, please contact our Finland office:

BRP FINLAND OY

Service Department
Isoaavantie 7
FIN-96320 Rovaniemi
Finland
Tel.: +358 16 3208 111

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For all other countries, please contact your local Can-Am ATV Distributor/ Dealer (visit our website at www.brp.com for contact information), or contact our North America office at:

BOMBARDIER RECREATIONAL PRODUCTS INC.
Customer Assistance Center
75 J.-A. Bombardier Street
Sherbrooke QC J1L 1W3
Tel.: 819 566-3366

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ADDITIONAL TERMS AND CONDITIONS FOR FRANCE ONLY

The following terms and conditions are applicable to products sold in France only:

The seller shall deliver goods that are complying with the contract and shall be responsible for defects existing upon delivery. The seller shall also be responsible for defects resulting from packaging, assembling instructions or the installation when it is its responsibility per the contract or if accomplished under its responsibility. To be compliant with the contract, the good shall:

1. Be fit for normal use for goods similar thereto and, if applicable:
   - Correspond to the description provided by the seller and have the qualities presented to the buyer though sample or model;
   - Have the qualities that a buyer may legitimately expect considering the public declarations of the seller, the manufacturer of its representative, including in advertising or labeling; or
2. Have the characteristics mutually agreed upon as between the parties or be fit for the specific use intended by the buyer and brought to the attention of the seller and which accepted.

The action for failure to comply is prescribed after two years after delivery of the goods. The seller is responsible for the warranty for hidden defects of the good sold if such hidden defects are rendering the good unfit for the intended use, or if they diminish its use in such a way that the buyer would not have acquired the good or would have given a lesser price, had he known. The action for such hidden defects shall be taken by the buyer within 2 years of the discovery of the defect.

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CUSTOMER INFORMATION

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PRIVACY INFORMATION

BRP wishes to inform you that your coordinates will be used for safety and warranty related purposes. Furthermore, BRP and its affiliates may use its customer list to distribute marketing and promotional information about BRP and related products.

To exercise your right to consult or correct your data, or to be removed from the addressee-list for direct marketing, please contact BRP.

By E-mail: privacyofficer@brp.com

By mail: BRP
Senior Legal Counsel-Privacy Officer
726 St-Joseph
Valcourt QC
Canada
J0E 2L0

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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 change of address cards on the following pages.
- 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 QC J1L 1W3
Canada

In Scandinavian Countries

BRP FINLAND OY
Service Department
Isoaavantie 7
FIN-96320 Rovaniemi
Finland
Tel.: +358 16 3208 111

In Other Countries in the World

BRP EUROPEAN DISTRIBUTION
Warranty Department
Chemin de Messidor 5-7
1006 Lausanne
Switzerland

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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

E-MAIL ADDRESS

V00A2F

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

E-MAIL ADDRESS

V00A2F

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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

E-MAIL ADDRESS

V00A2F

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

E-MAIL ADDRESS

V00A2F

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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

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.

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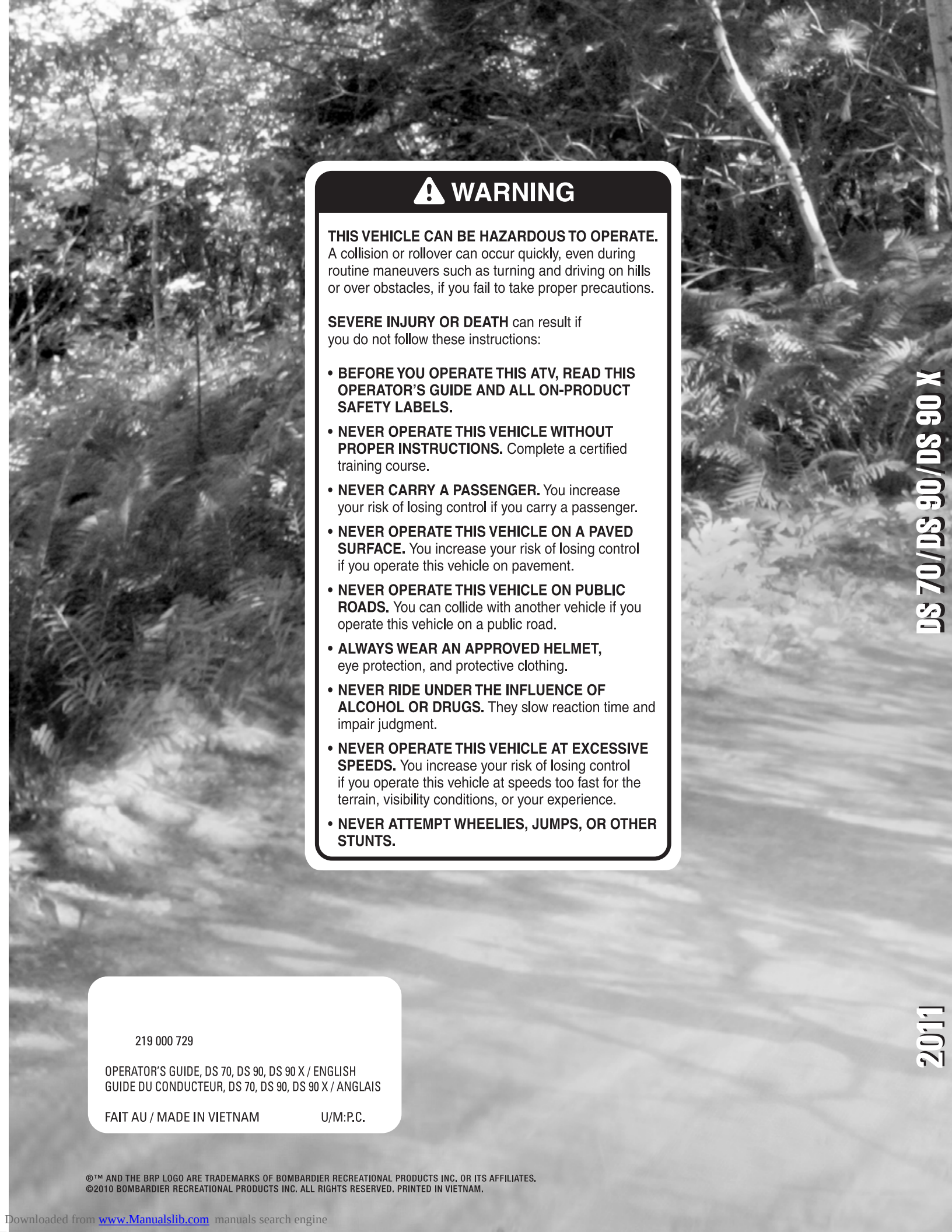

⚠ WARNING

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 ATV, READ THIS OPERATOR'S GUIDE AND ALL ON-PRODUCT SAFETY LABELS.**
- **NEVER OPERATE THIS VEHICLE WITHOUT PROPER INSTRUCTIONS.** 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 RIDE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.** They slow reaction time and impair judgment.
- **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.**

DS 70/DS 90/DS 90 X

2011

219 000 729

OPERATOR'S GUIDE, DS 70, DS 90, DS 90 X / ENGLISH
GUIDE DU CONDUCTEUR, DS 70, DS 90, DS 90 X / ANGLAIS

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