

ARCTIC CAT®



2004 Operator's Manual DVX 400 ATV

- Do not remove this Operator's Manual from this ATV according to the guidelines and agreement with the U.S. Consumer Product Safety Commission.
- Read this manual carefully.
It contains important safety information.

WARNING



Operating this ATV if you are under the age of 16 increases your chance of severe injury or death.

NEVER operate this ATV if you are under 16.

Your ATV can be hazardous to operate.

A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

For your safety, understand and follow all the warnings contained in this Operator's Manual and the labels on your ATV.

Keep this Operator's Manual with your ATV at all times.

FAILURE TO FOLLOW THE WARNINGS CONTAINED IN THIS MANUAL CAN RESULT IN SERIOUS INJURY OR DEATH.

Training is available: U.S. owners, call 1-800-887-2887; Canadian owners, call 1-613-739-1535.

Un cours d'instruction est disponible: pour les propriétaires canadiens, composez le 1-613-739-1535.

Particularly important information is distinguished in this manual by the following notations:



The Safety Alert Symbol means ATTENTION! BE ALERT! YOUR SAFETY IS INVOLVED.



WARNING

Failure to follow WARNING instructions could result in severe injury or death to the operator, a passenger, a bystander, or a person inspecting or repairing the ATV.



CAUTION

A CAUTION indicates special precautions that must be taken to avoid damage to the ATV.

■ NOTE:

A NOTE provides key information to make procedures easier or more clear.

California **Proposition 65**



WARNING

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

Introduction

FOREWORD

Congratulations and thank you from Arctic Cat Inc. for purchasing an ARCTIC CAT® All-Terrain Vehicle (ATV). Built with American engineering and manufacturing know-how, it is designed to provide superior ride, comfort, and utility.

This Operator's Manual is furnished to ensure that the operator is aware of safe operating procedures. It also includes information about the general care and maintenance of your ATV.

Carefully read the following pages. If you have any questions regarding this ATV, contact an authorized Arctic Cat ATV dealer for assistance. Remember, only authorized Arctic Cat ATV dealers have the knowledge and facilities to provide you with the best service possible.

Protect Your Sport

- Know all local, state/provincial riding laws,
- Respect your ATV,
- Respect the environment, and
- You will gain the respect of others.

We also advise you to strictly follow the recommended maintenance program as outlined. This preventive maintenance program is designed to ensure that all critical components on this ATV are thoroughly inspected at various intervals.

All information in this manual is based on the latest product data and specifications available at the time of printing. Arctic Cat Inc. reserves the right to make product changes and improvements which may affect illustrations or explanations without notice.

Arctic Cat and the ATV Safety Institute recommend that all ATV operators ride the appropriate-sized ATV according to age.

Age (Years)	Engine Size (cc)	Speed Limitations (MPH)
6-11	Up to 70	10 - Governed 15 - Maximum
12-15	Up to 90	15 - Governed 30 - Maximum
16 and Older	Over 90	According to Local Regulations

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AN ATV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE.

- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.
- Never operate on excessively rough, slippery, or loose terrain.
- Always follow proper procedures for turning as described in this manual. Practice turning at slow speeds before attempting to turn at faster speeds. Do not turn at excessive speed.
- Always have the ATV checked by an authorized Arctic Cat ATV dealer if it has been involved in an accident.
- Never operate the ATV on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting larger hills.
- Always follow proper procedures for climbing hills as described in this manual. Check the terrain carefully before you start up any hill. Never climb hills with 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 in this manual. 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 ATV 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 in this manual. Avoid hills with slippery or loose surfaces. Shift your weight to the uphill side of the ATV. Never attempt to turn the ATV around on any hill until you have mastered the turning techniques described in this manual on level ground. Avoid crossing the side of a steep hill if possible.
- Always use proper procedures if you stall or roll backward when climbing a hill. To avoid stalling, maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special procedure for braking described in this manual. Dismount on the uphill side or to either side if pointed straight uphill. Turn the ATV around and mount following the procedure described in this manual.
- 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 in this manual.
- Always be careful of skidding or sliding. On slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.
- Never operate an ATV in fast flowing water or in water deeper than the footrests. Remember that wet brakes may have reduced stopping capability. Test your brakes after leaving water. If necessary, apply them lightly several times to let friction dry out the pads.
- Always be sure there are no obstacles or people behind you when you operate in reverse. When it is safe to proceed in reverse, go slowly. Avoid turning at sharp angles in reverse.
- Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.
- Never improperly install or improperly use accessories on this ATV.
- Never install a twist grip throttle on this ATV.

AN ATV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE.

- Never exceed the stated load capacity for an ATV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer and allow greater distance for braking.
- No one under the age of 16 should operate this ATV. Some operators at the age of 16 may not be able to operate an ATV safely. Parents should supervise the use of the ATV at all times. Parents should permit continued use only if they determine that the operator has the ability to operate the ATV safely.
- Permit only skilled, experienced ATV riders to operate this 400 DVX. Because this is a high performance ATV, it should be used only by operators who have already practiced and are skilled at proper ATV riding techniques.
- Never tow a trailer. Because this is a high performance ATV, it is not designed for such use.

FOR MORE INFORMATION ABOUT ATV SAFETY, call the ATV Safety Institute at 1-800-887-2887 (U.S.) or 1-613-739-1535 (Canada).



ATV SAFETY ALERT

The Consumer Product Safety Commission has concluded that ALL-TERRAIN VEHICLES (ATV's) may present a risk of DEATH or SEVERE INJURY in certain circumstances. While accidents may occur for many reasons:

- *** Over 1006 people, including many children, have died in accidents associated with ATV's since 1997.
- *** Many people have become severely paralyzed or suffered severe internal injuries as a result of accidents associated with ATV's.
- *** Every month thousands of people are treated in hospital emergency rooms for injuries received while riding an ATV.

You should be aware that an ATV is not a toy and can be hazardous to operate. An ATV handles differently from other vehicles, including motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills and over obstacles, if you fail to take proper precautions.

TO AVOID DEATH OR SEVERE PERSONAL INJURY:

- * Never carry a passenger on an ATV. Carrying a passenger may upset the balance of the ATV and may cause it to go out of control.
- * Never operate an ATV on pavement. The vehicle is not designed to be used on paved surfaces and may be difficult to control.
- * Never operate an ATV on a public road, even a dirt or gravel one, because you may not be able to avoid colliding with other vehicles. Also, operating an ATV on a public road may be against the law.
- * Never operate an ATV without an approved motorcycle helmet, eye protection, boots, gloves, long pants and a long-sleeved shirt or jacket.
- * Never consume alcohol or drugs before or while operating an ATV.
- * Never operate an ATV at excessive speeds. Go at a speed which is proper for the terrain, visibility conditions, and your experience.
- * Never attempt to do wheelies, jumps or other stunts.
- * Always be careful when operating an ATV, especially when approaching hills, turns, and obstacles and when operating on unfamiliar or rough terrain.
- * Never lend an ATV to anyone who has not taken a training course or has not been driving an ATV for at least a year.
- * Always inspect this ATV each time you use it to make sure it is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in this manual.
- * Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.
- * Always read the operator's manual carefully and follow the operating procedures described. Pay special attention to the warnings contained in the manual and on all labels.
- * Never operate an ATV without proper instruction. Take a training course. Beginners should complete the training course referred to below and described on the following page.
- * Never allow anyone under 16 years old to operate an Arctic Cat ATV.



WARNING

Indicates a potential hazard that could result in a serious injury or death.

Rider Training Course

Arctic Cat sponsors a free Rider Training Course to teach ATV riding skills or to reinforce current riding skills. First-time purchasers without any previous ATV riding experience will receive \$100.00 from Arctic Cat through the SVIA/ASI after completing the training course (U.S. owners only, one incentive, and a maximum of three free rider training courses per ATV purchase). See an authorized Arctic Cat ATV dealer for details or call (800) 887-2887 for training course information.

In Canada, the Canada Safety Council (CSC) provides an ATV Rider's Course to teach safe ATV operating skills. They also provide a special ATV Rider's Course for children under 14 years of age with parental supervision. Call the CSC at 1-613-739-1535 ext. 227 for more details. Also available is a bilingual computer-based safety training program on a CD-ROM from CATV - call toll-free at 1-877-470-2288.

Au Canada, le conseil canadien de la sécurité (CSC) offre un cours de conduite de VTT pour enseigner les habiletés d'opération sécuritaires de VTT. Un cours spécial de conduite de VTT est également offert aux enfants de moins de 14 ans avec la surveillance d'un parent. Communiquez avec le CSC en composant le: 1-613-739-1535, poste 227 pour de plus amples informations. Un programme de formation bilingue informatisé sur la sécurité est aussi disponible sur disque optique compact par CATV; composez sans frais le: 1-877-470-2288.



FOR MORE INFORMATION
ABOUT ATV SAFETY, in the U.S., call the Consumer Product Safety Commission at (800) 638-2772 or the ATV Distributors' Safety Hotline at (800) 852-5344 or in Canada, call the Canada Safety Council at 1-613-739-1535 ext. 227.

Visit the Arctic Cat Inc. website at www.arcticcat.com for additional product information.



Hang Tags & Warning Information

This Arctic Cat ATV comes with a hang tag and several labels containing important safety information. Anyone who rides the ATV should read and understand this information before riding.

The labels should be considered as permanent parts of the ATV. If a label comes off or becomes hard to read, contact your Arctic Cat ATV dealer for a replacement.



2256-888

Pour commander des Etiquettes de Mise en Garde gratuites, voyez votre détaillant de autorisé VTT Arctic Cat pour le numéro de pièce 0436-488.



WARNING

Indicates a potential hazard that could result in a serious injury or death.

Warning Labels


A WARNING

Improper use, operation or maintenance can cause loss of control. Loss of control can result in severe injury or death. ALWAYS maintain proper tire pressure as shown. NEVER exceed the vehicle load capacity of 243 lbs. (110 kg).

WEIGHT	COLD TIRE PRESSURE
UP TO 243 lbs. (110 kg)	FRONT 4.4 psi (0.3 kg/cm ²)
	REAR 4.9 psi (0.35 kg/cm ²)

WARNING

NEVER ride as a passenger. Passengers can cause a loss of control, resulting in SEVERE INJURY or DEATH.



B NOTE

ALWAYS RESPECT THE RIGHTS OF OTHERS, protect the environment, and comply with all applicable laws and regulations.

TREAD LIGHTLY!
on soft surfaces (snow, sand)

NEVER operate this ATV if you are under the age of 16.

WARNING





Operating this ATV if you are under the age of 16 increases your chance of severe injury or death.

UNDER 16

PRE-RIDE INSPECTION PROCEDURE/STARTING PROCEDURES	
<p>T TIRE AND WHEELS</p> <ol style="list-style-type: none"> 1. Check for proper air pressure. 2. Check for wear and proper tread. 3. Make sure nuts and bolts are tight. <p>C CONTROLS AND CHAINS</p> <ol style="list-style-type: none"> 1. Throttle should operate smoothly and for safety. 2. Chain should be properly adjusted, and for safety. 3. Check for proper operation. <p>M MIRROR AND MOUNTING</p> <ol style="list-style-type: none"> 1. Check for proper operation. 2. Check for proper operation. 3. Check for proper operation. <p>O OIL AND FUEL</p> <ol style="list-style-type: none"> 1. Check for proper operation. 2. Check for proper operation. 3. Check for proper operation. <p>C CHASSIS AND DRIVE TRAIN</p> <ol style="list-style-type: none"> 1. Make sure all nuts and bolts are tight. 2. Make sure all chains are properly adjusted and for safety. 3. Check for proper operation. 	<p>B BRAKES</p> <ol style="list-style-type: none"> 1. See the following below. <p>O ON</p> <ol style="list-style-type: none"> 1. Turn the fuel valve on. 2. Turn the ignition key on. <p>N NEUTRAL</p> <ol style="list-style-type: none"> 1. Make sure the transmission is in neutral. <p>E ENGINE</p> <ol style="list-style-type: none"> 1. Turn the "choke/lean" switch to "choke". 2. Turn the "choke/lean" switch to "choke". 3. Turn the "choke/lean" switch to "choke". <p>C CHOKE</p> <ol style="list-style-type: none"> 1. When engine is cold, choke should be in "choke" position. 2. When engine is warm, choke should be in "choke" position.

C WARNING

Improper ATV use can result in SEVERE INJURY or DEATH.

ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR.

NEVER operate:

- without proper training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger - passengers affect balance and steering and increase risk of losing control

ALWAYS:

- use proper riding techniques to avoid ATV overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control

LOCATE AND READ OPERATOR'S MANUAL FOLLOW ALL INSTRUCTIONS AND WARNINGS.

D

MGF BY ARCTIC CAT INC. MADE IN USA

THIS VEHICLE IS DESIGNED AND MANUFACTURED FOR OFF THE ROAD USE ONLY AND IS NOT SUBJECT TO US FEDERAL MOTOR VEHICLE SAFETY STANDARDS AS IT IS NOT EQUIPPED OR APPROVED FOR OPERATION ON PUBLIC STREETS, ROADS OR HIGHWAYS.



E

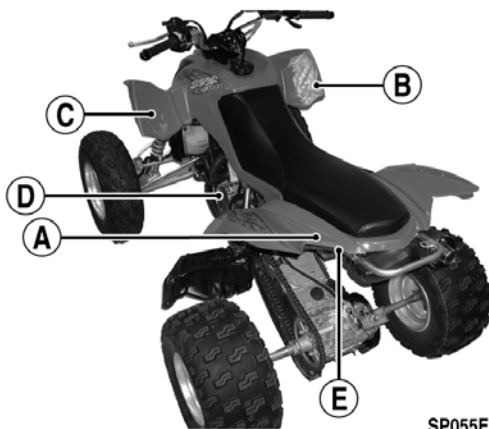
DATE MFG. 01/12/2011

DATE FABRIQ. 01/12/2011

ARCTIC CAT
Type of Vehicle / Type de véhicule
ATV / VTT

THIS VEHICLE WAS MANUFACTURED BY ARCTIC CAT INC. OF THIER RIVER FALLS, MN, U.S.A. AND CONFORMS TO ALL APPLICABLE U.S. FEDERAL, STATE AND CANADIAN MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE.

CE (CANADA) A EST FABRIQUE PAR ARCTIC CAT INC. A THIER RIVER FALLS, MN, U.S.A. ET EST CONFORME A TOUTES LES NORMES FEDERALES ET REGIONALES APPLICABLES AU JOUR DE LA DATE DE FABRICATION.



SP055E



Warnings

WARNING

POTENTIAL HAZARD

Operating this ATV without proper instruction.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

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

For more information about the training course, contact an authorized Arctic Cat ATV dealer or call 1-800-887-2887 (U.S.) or 1-613-739-1535 (Canada).

WARNING

POTENTIAL HAZARD

Allowing anyone under age 16 to operate this ATV.

WHAT CAN HAPPEN

Use of an ATV by children can lead to severe injury or death of the child.

Children under the age of 16 may not have the skills, abilities, or judgment needed to operate the ATV safely and may be involved in a serious accident.

HOW TO AVOID THE HAZARD

A child under 16 should never operate this ATV.

WARNING

POTENTIAL HAZARD

Carrying a passenger on this ATV.

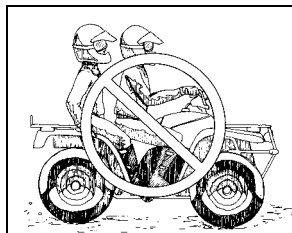
WHAT CAN HAPPEN

Greatly reduces your ability to balance and control this ATV.

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

HOW TO AVOID THE HAZARD

Never carry a passenger. The long seat is to allow the operator to shift positions as needed during operation. It is not for carrying passengers.



Warnings

WARNING

POTENTIAL HAZARD

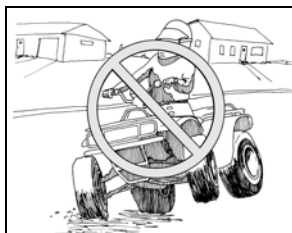
Operating this ATV on paved surfaces.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

Never operate the ATV on any paved surfaces, including sidewalks, driveways, parking lots, and streets.



WARNING

POTENTIAL HAZARD

Operating this ATV on public streets, roads, or highways.

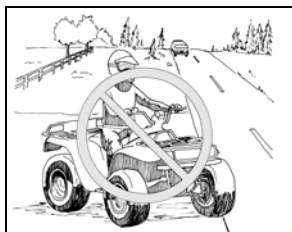
WHAT CAN HAPPEN

You can collide with another vehicle.

HOW TO AVOID THE HAZARD

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

In many states it is illegal to operate an ATV on public streets, roads, or highways.



WARNING

POTENTIAL HAZARD

Operating this ATV without wearing an approved helmet, eye protection, and protective clothing.

WHAT CAN HAPPEN

Operating without an approved helmet increases your chances of a severe head injury or death in the event of an accident.

Operating without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.

Operating without protective clothing increases your chances of severe injury in the event of an accident.

HOW TO AVOID THE HAZARD

Always wear an approved helmet that fits properly.

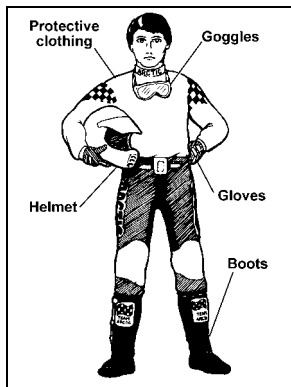
You should also wear: Eye protection (goggles or face shield)

Gloves

Boots

Long sleeved shirt or jacket

Long pants



Warnings

WARNING

POTENTIAL HAZARD

Operating this ATV after or while 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.

HOW TO AVOID THE HAZARD

Never consume alcohol or drugs before or while driving this ATV.

WARNING

POTENTIAL HAZARD

Operating this ATV at excessive speeds.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

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

WARNING

POTENTIAL HAZARD

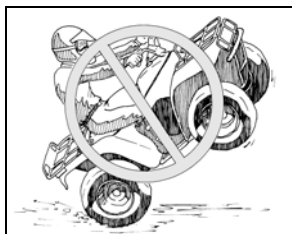
Attempting wheelies, jumps, and other stunts.

WHAT CAN HAPPEN

Increases the chance of an accident including a roll-over.

HOW TO AVOID THE HAZARD

Never attempt stunts, such as wheelies or jumps.
Don't try to show off.



Warnings

WARNING

POTENTIAL HAZARD

Failure to inspect the ATV before operating.

Failure to properly maintain the ATV.

WHAT CAN HAPPEN

Increases the possibility of an accident or equipment damage.

HOW TO AVOID THE HAZARD

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

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

WARNING

POTENTIAL HAZARD

Removing hands from handlebars or feet from footrests during operation.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

Always keep both hands on the handlebars and both feet on the footrests of your ATV during operation.

WARNING

POTENTIAL HAZARD

Failure to use extra care when operating the ATV on unfamiliar terrain.

WHAT CAN HAPPEN

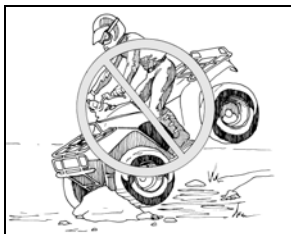
You can come upon hidden rocks, bumps, or holes without enough time to react.

Could result in the ATV overturning or going out 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 ATV.



Warnings

WARNING

POTENTIAL HAZARD

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

WHAT CAN HAPPEN

Could cause loss of traction or ATV control, which could result in an accident including a rollover.

HOW TO AVOID THE HAZARD

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

Always be especially cautious on these kinds of terrain.

WARNING

POTENTIAL HAZARD

Turning improperly.

WHAT CAN HAPPEN

ATV could go out of control, causing a collision or rollover.

HOW TO AVOID THE HAZARD

Always follow proper procedures for turning as described in this Operator's Manual.

Practice turning at slow speeds before attempting to turn at faster speeds.

Do not turn at excessive speed.

WARNING

POTENTIAL HAZARD

Operating on steep hills.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

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

Practice on smaller hills before attempting larger hills.

Warnings

WARNING

POTENTIAL HAZARD

Climbing hills improperly.

WHAT CAN HAPPEN

Could cause loss of control or cause the ATV to overturn.

HOW TO AVOID THE HAZARD

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

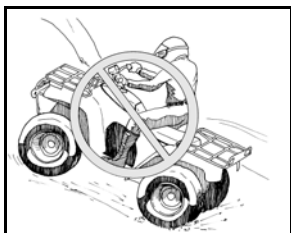
Always check the terrain carefully before you start up any hill.

Never climb hills with slippery or loose surfaces.

Shift your weight forward.

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

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



WARNING

POTENTIAL HAZARD

Going down a hill improperly.

WHAT CAN HAPPEN

Could cause loss of control or cause the ATV to overturn.

HOW TO AVOID THE HAZARD

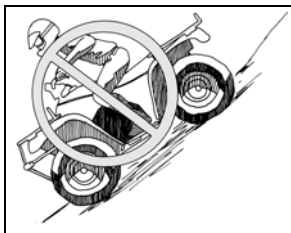
Always follow proper procedures for going down hills as described in this Operator's Manual.

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 that would cause the ATV to lean sharply to one side. Go straight down the hill where possible.



Warnings

WARNING

POTENTIAL HAZARD

Improperly crossing hills or turning on hills.

WHAT CAN HAPPEN

Could cause loss of control or cause the ATV to overturn.

HOW TO AVOID THE HAZARD

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

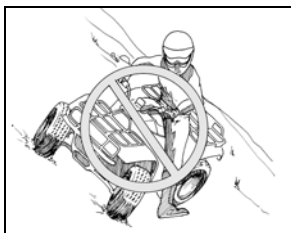
Avoid crossing the side of a steep hill, if possible.

When crossing the side of a hill:

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

Avoid hills with slippery or loose surfaces.

Shift your weight to the uphill side of the ATV.



WARNING

POTENTIAL HAZARD

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

WHAT CAN HAPPEN

Could result in the ATV overturning.

HOW TO AVOID THE HAZARD

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

If you lose all forward speed:

Keep weight uphill.

Apply the brakes.

Engage the parking brake lock after you are stopped.

If you begin rolling backwards:

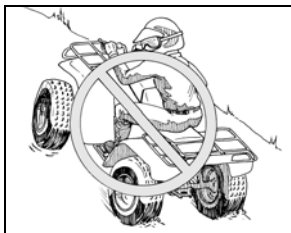
Keep weight uphill.

Apply the brakes while rolling backwards.

When fully stopped, engage the parking brake lock.

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

Turn the ATV around and mount following the procedure described in this Operator's Manual.



Warnings

WARNING

POTENTIAL HAZARD

Improperly operating over obstacles.

WHAT CAN HAPPEN

Could cause loss of control or a collision. Could cause the ATV 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 in this Operator's Manual.

WARNING

POTENTIAL HAZARD

Skidding or sliding.

WHAT CAN HAPPEN

You may lose control of the ATV.

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

HOW TO AVOID THE HAZARD

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

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

WARNING

POTENTIAL HAZARD

Operating the ATV 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 the ATV in fast flowing water or in water deeper than the footrests.

Remember that wet brakes may have reduced stopping capability.

Test your brakes after leaving water. If necessary, apply them several times to dry out the pads.

Warnings

WARNING

POTENTIAL HAZARD

Improperly operating in reverse.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

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

WARNING

POTENTIAL HAZARD

Operating the ATV with improper tires or with improper or uneven tire pressure.

WHAT CAN HAPPEN

Use of improper tires on the ATV, or operation of the ATV with improper or uneven tire pressure, may cause loss of control increasing your risk of accident.

HOW TO AVOID THE HAZARD

Always use the size and type tires specified in this Operator's Manual for this ATV.

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

WARNING

POTENTIAL HAZARD

Operating the ATV with improper modifications.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

Never modify the ATV through improper installation or improper use of accessories. All parts and accessories added to this ATV should be genuine Arctic Cat ATV components designed for use on the ATV and should be installed and used according to instructions. Never install a twist grip throttle. If you have questions, consult an authorized Arctic Cat ATV dealer.

**WARNING**

Indicates a potential hazard that could result in a serious injury or death.

Prevention

Overview

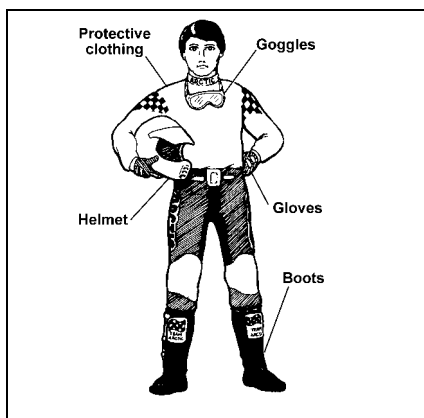
When using an ATV, prevention is the name of the game. “Had you only known” something could go wrong, you would have prevented it. If you don’t notice your conditions and surroundings before riding your ATV, you give up control over the situation. Using ATV prevention techniques helps you forecast potential hazards before they injure you or damage your ATV.

Following the safety instructions and warnings in this manual will help you “P.A.S.S.” the safety test. P.A.S.S. stands for “Prevention,” “Active Riding,” “Sound Judgment,” and “Supervision.” Remembering P.A.S.S. and what it stands for will help you have a safe, predictable ride every time you go out on your ATV.

Safe Riding Clothing and Gear

Always wear clothing suited to the type of riding you are doing. ATV riding requires special protective clothing which will make you feel more comfortable and reduce chances of injury.

You’ll find it important to dress correctly for ATV riding in order to prevent scraped skin and serious head injuries. It’s easy and could save you time in the long run not having to contend with an injury. Of course, it also makes sense to remember the seasons. Wear a hat under your helmet and a snowmobile suit in the winter and lighter, protective clothing in the summer. Following is the minimum protection you need to wear during every ride:



ATV-0004

Gloves

Your hands are targets for flying objects and branches. Along with providing skin protection, gloves will shield your hands from harsh weather. Wear gloves that are weather resistant and have a gripping surface to keep them from sliding off the handlebars. Off-road style gloves with knuckle pads are the best for comfort and protection.

Boots/Ankle Protection

Wear a boot that covers the largest possible area of your leg (preferably up to your knee) and can handle significant impact. Choosing boots with low heels and a good tread will help prevent your feet from slipping off the footrests in wet or rugged conditions or getting hurt if they get hit by rocks, dirt, or branches.



Prevention

Helmet

Your helmet is the most important piece of protective gear for safe riding. A helmet can prevent a severe head injury. There are several types of helmets on the market, but make sure you wear a helmet that complies with the standards of the U.S. Department of Transportation (DOT), The Snell Memorial Foundation, or the American National Standards Institute (ANSI). Helmets that comply with one or more of these agency's standards have a sticker on the inside or outside of the helmet.

Helmets should have one of these:

1. DOT label
2. Snell label
3. ANSI Z90.1 label



These helmets should provide full-face protection.

If you drop or damage your helmet, get a new one immediately. Your helmet may not protect your head from injury if it has cracks, fissures, or other damage to its outside or core padding.

Remember, your helmet won't do you any good if the chin strap isn't fastened.

Eye Protection

Wear eye protection, such as goggles, to completely surround your eyes to prevent getting dirt or other items in your eyes. Do not depend on sunglasses for proper eye protection. Sunglasses are not recommended; they don't prevent objects from flying in through the sides.

Long Pants and Long Sleeved Shirt

The goal is to protect your body from branches, long grass, airborne objects, or anything else that could scrape your skin. The more thick and durable the material, the better protection it'll provide. Riding pants with kneepads, a jersey, and shoulder pads provide the best protection.

TESTIMONIAL

DOCUMENT#: X46481A1

CITY/STATE: LAUREL, MS

SEX: M

AGE: 25

BODY PART: ALL PARTS BODY

DATE ACCIDENT: 6-25-93

DISPOSITION: DOA

SYNOPSIS: A 25 year old male died from drowning after the 4-wheeled ATV he was driving overturned and landed on the victim, pinning him face down in 6 inches of water in a drainage ditch. The victim had failed to make a right hand turn and drove off the side of the road. The victim was driving at an excessive speed, and under the influence of alcohol. He was pronounced dead at the scene. The victim was not wearing a helmet.

PREVENTION

Condition of the ATV

The second step in Prevention is checking the condition of your ATV. Chances are good that you'll be using your ATV in some rough terrain, and there's no way you want your brakes to go out when riding downhill. You need to check the following parts on your ATV before every ride.

1. Tires and Wheels
2. Controls and Cables
(Brake/Throttle/Clutch)
3. Lights and Electric
4. Oil, Gasoline, and Fluids
5. Chassis, Chain, and Suspension



WARNING

Indicates a potential hazard that could result in a serious injury or death.

Prevention

One easy way to remember what parts you need to check is by using the acronym “T-CLOC.” It stands for:

T	C	L	O	C
TIRES AND WHEELS	CONTROLS AND CABLES	LIGHTS AND ELECTRIC	OIL AND FUEL	CHASSIS

TIRES AND WHEELS

Correct tire pressure is crucial. Consult the General Maintenance section of this Operator’s Manual for tire pressure guidelines. Incorrect tire pressure can cause poor handling, instability, and a loss of ATV control.

Check:

- 1. Tire pressure
- 2. Tire surface (tread and sidewalls)

While checking the tire pressure, inspect the tread and sidewalls of the tires for cracks, cuts, or other damage that could indicate they need to be replaced.

CONTROLS AND CABLE

With the engine running and brake applied, check all transmission positions: forward, neutral, and reverse.

Check:

- 1. Forward
- 2. Neutral
- 3. Reverse

A. Brakes

Squeeze your front brake lever and depress the rear brake pedal. If either feels soft or “squishy,” it could be low on fluid or have a leak — refer to the General Maintenance section of this Operator’s Manual for instructions. Don’t use the ATV until the brakes are operating normally.

Test the parking brake lock and see if it locks the rear wheels; then disengage it to release the brake.

Check:

- 1. Hand brake lever
- 2. Auxiliary brake pedal
- 3. Brake lever lock

B. Throttle

The throttle should have a free, smooth range of motion. If it seems to “stick” at any point, refer to the General Maintenance section of this Operator’s Manual for instructions. Driving your ATV with a sticking throttle can turn your leisurely ride into an unwelcome accident. Don’t drive your ATV if the throttle sticks.

Check:

- 1. Free, smooth range of motion

C. Clutch

The clutch should disengage and engage smoothly and the cable should not catch or bind. Check for proper free-play and a free, smooth range of motion.

LIGHTS AND ELECTRICAL

Turn the hi-beam and lo-beam on and off to make sure they work. At the same time, check that the taillight and brakelight work. Also, check the indicator/warning lights (reverse, neutral, and temperature) on your handlebars when you start the ATV. Don’t drive the ATV unless all systems are working. Check the ignition switch and engine stop switch.



Prevention

Check:

1. Hi-beam
2. Lo-beam
3. Taillight/brakelight
4. Status/warning indicators

Check:

1. Ignition switch
2. Stop switch

OIL AND FUEL

Start with a full tank of gas before every ride, and while you're at it, top off the oil. Don't forget to check for fluid leaks around the ATV. Check the coolant tank to ensure the engine coolant level is adequate.

Check:

- Gas
- Oil
- Fluid leaks

CHASSIS AND DRIVE TRAIN

Grass and leaves can gum-up your suspension and shocks. Clear and clean the suspension arms, shock absorbers/springs, and fenders. Check smoothness by turning the handlebar full-left and full-right. Check that there is no binding, restrictions, free-play, or looseness in steering components. Check and clean the drive chain and sprockets of foreign material and debris. Check drive chain adjustment.

Check:

1. Suspension arms
2. Shock springs
3. Fenders
4. Steering

Miscellaneous Items

Inspect your air filter. Look for debris or damage that may indicate you need to replace it. A clogged filter can stop an engine. Check your battery terminals for corrosion. Also, be sure to tighten any loose parts, nuts, or bolts.

Check:

1. Air filter
2. Battery
3. Tighten parts, nuts, and bolts

First Aid and Survival

You need to prepare for the unexpected. Emergencies and accidents are traumatic enough, but they're even worse when you're not prepared for them. At the minimum during every ATV ride, you should have the following items on board:

- Tools
- Water
- Identification
- First Aid Kit

For rides that are longer in duration and distance, the following additional items are recommended:

- Money
- Maps
- Emergency Kit (*with Flashlight and First Aid Kit*)

Tools

Routine maintenance will generally eliminate the need for emergency repairs. Riding on rough terrain could cause loosening of nuts, bolts, and fasteners. Especially on long rides, carrying the right tools can prevent an inconvenience from becoming a crisis.



Prevention

Carry these items on your ATV:

1. Bulbs
2. Duct tape
3. Rope
4. Spark plugs
5. Spare parts
6. Tool Kit

Water

Water is so important that you need to carry it regardless of the duration of your ride. Heat exhaustion and heat stroke can creep up suddenly and can take you out of commission. If you become dehydrated, you could find yourself physically unable to safely operate your ATV.

Identification

If something does happen to you, the emergency personnel will want to know who you are and whom to contact. It's possible you may be in no condition to give them that information. Put your I.D. in your pocket before you ride. Without it, you're anonymous.

Money

It may be necessary to make an urgent phone call.

Maps

Maps may be unnecessary when you're familiar with the area. But when you're riding on unfamiliar trails, it's good to know where you are, what's coming up, and how to get back.

Emergency Kit with Flashlight and First Aid Kit

You'll need several items in your Emergency Kit including a flashlight. The matches will come in handy if you need to start a fire to stay warm. Flares are appropriate for signaling help. A first aid kit is very important if an injury of some type should happen. A good First Aid Kit should include bandages, antiseptic spray, gauze, tape, etc.

Carry these items:

1. Flashlight
2. Matches
3. Flares
4. First Aid Kit
5. Money



Active Riding

Overview

“Active Riding” is the second part of “P.A.S.S.” It involves an understanding of how your body weight, balance, gravity, and physical forces affect the handling of the ATV. For example, when you drive a car quickly into a sharp turn, your body is pulled to the outside of the vehicle by centrifugal force. Although a car is relatively stable, enough centrifugal force can cause an ATV to overturn. Constantly shifting your weight is one major difference between driving a car and riding an ATV. Knowing how to shift your weight is necessary to avoid rolling or flipping the ATV.

Basic Operating Maneuvers

Active riding and basic maneuvers are the foundation of your ATV ride. Without basic skills, it's impossible to move to this level—active riding. These are your basic maneuvers:

- Mounting the ATV
- Starting the Engine
- Starting a Cold Engine (250/300/400)
- Starting a Cold Engine (500)
- Varying Temperature Adjustments
- Emergency Starting
- Braking/Stopping
- Shifting
- Parking
- Dismounting the ATV

Mounting the ATV

To get seated:

1. From the left side, grab the left-side handlebar and put your left foot on the footrest.
2. Grab the right-side handlebar and apply the front brake.

3. Swing your leg over the seat and set your right foot down on the right-side footrest.
4. Get seated in a comfortable position.
5. Always keep your feet planted on the footrests.

Starting the Engine

Always start with the ATV on a flat, level surface. Carbon monoxide poisoning can kill you, so keep your ATV outside while it's running. Follow these steps to start it up:

1. Ensure that the fuel valve is in the ON position.
2. Climb up onto the ATV and sit down.
3. Apply the rear brake; then release the parking brake by compressing and releasing the clutch lever.
4. Shift into neutral.
5. Move the choke lever to the engaged position if starting the engine cold (if it's already warmed up, you shouldn't need to use the choke at all).
6. Turn on the ignition.
7. Move the emergency stop switch to RUN.
8. Compress the clutch lever; then press the starter button.
9. Immediately after the engine starts, move the choke lever to the mid-position.
10. Let the engine warm up; then move the choke lever to the OFF position.



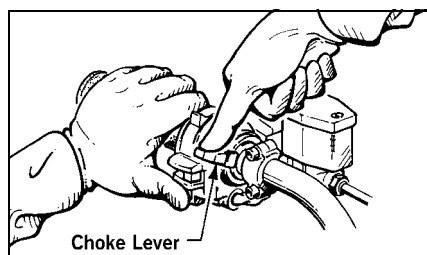
Active Riding

Another way to remember the starting procedure is by using the acronym “BONE-C.” It stands for:

B	O	N	E	C
BRAKES LOCKED	ON FUEL VALVE	NEUTRAL TRANSMISSION	ENGINE SWITCH	CHOKE ON

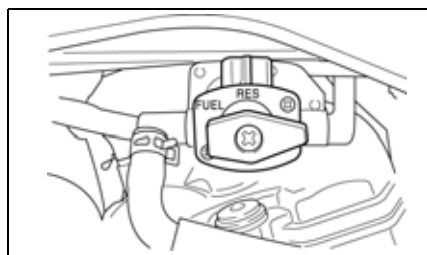
Starting A Cold Engine

1. Turn off all electrical accessories (lights, etc.); then rotate the ignition switch key to the first position (ON) leaving the headlights OFF. Note that the Neutral light is illuminated.
2. Press the choke lever down.



734-017B

■ **NOTE:** Turn the fuel valve to the PRI position when temperature is at 0° C (32° F) or colder.



ATV2002

3. Compress the clutch lever; then press on the starter button for a maximum five seconds.



CAUTION

Engaging the starter motor for longer than five seconds at a time can damage the ATV. The starter motor and wiring harness may overheat. If the engine does not start after several attempts, check the fuel supply and ignition system.

4. When the engine starts, move the choke lever to the mid-position.
 5. Allow the engine to warm up for approximately 2-2 1/2 minutes; then move the choke lever to the OFF position. Do not touch the throttle lever until the engine has run for at least 3 minutes.
- **NOTE:** If the engine RPM starts to decrease or if the engine starts to stall, press the choke lever down until RPM increases; then as the RPM stabilizes, move the choke lever to the OFF position.
6. Run the engine for at least 10 minutes so it is thoroughly warmed up. If the engine is run for a shorter period of time, the spark plug may not have reached a high enough temperature to burn off the excess fuel in the combustion chamber.
 7. Move the fuel valve to the ON position if PRI had been selected.



Active Riding

WARNING

Leaving the fuel valve in the “PRI” position when the engine is off can be hazardous. The carburetor may overflow and fuel may run into the engine. This can cause a fire or cause severe damage to the ATV when the engine is started. Always leave the fuel valve in the “ON” or “RES” position when the engine is not running.

Varying Temperature Adjustments

To ensure proper starting and operating performance, the following adjustments should be made for varying ambient temperatures.

- 0° C (32° F) - Use 5W-30 Arctic Cat 4-Cycle Engine Oil (p/n 0436-003).

■ **NOTE:** These recommended adjustments are the owner’s responsibility.

Braking/Stopping

Coming to a stop should be a slow, easy process. Always allow plenty of room and time to stop smoothly. Sometimes quick stops are inevitable, so always be prepared. Whether you’re stopping slowly or stopping quickly, do this:

1. Release the throttle lever; then evenly apply the front and rear brakes. As speed decreases, down-shift through the gears being careful not to skid the rear wheels.
2. If the wheels lock, release the brakes for a second; then apply them again.
3. When coming to a complete stop, compress the clutch lever.

4. Never “ride” the brake. Even maintaining minimal pressure on the brake lever or brake pedal will cause the brake pads to drag on the disc and may overheat the brake fluid.

WARNING

Excessive repetitive use of the hydraulic brake for high speed stops will cause overheating of the brake fluid and premature brake pad wear which will result in an unexpected loss of brakes.

WARNING

Use only Arctic Cat approved brake fluid. Never substitute or mix different types or grades of brake fluid. Brake loss can result. Check brake fluid level and pad wear before each use. Brake loss can result in severe injury or even death.

TESTIMONIAL

DOCUMENT#: N380310A1
CITY/STATE: NEW CUMBERLAND, WV
SEX: M
AGE: 18
BODY PART: HEAD
DATE ACCIDENT: 7-30-93
DISPOSITION: DOA
SYNOPSIS: An 18 year old male died as the result of injuries which he sustained in an accident while driving a 4-wheel ATV on a gravel public road. The victim lost control of the ATV when he suddenly applied the brakes to avoid a dog crossing the road. During the accident, the ATV’s brake lever penetrated the victim’s brain through his right eye resulting in death. The victim was not wearing a helmet.

ACTIVE RIDING

Shifting

This Arctic Cat ATV has a manual transmission with five forward gears. The neutral position is where you start. To shift the ATV, follow these steps:

WARNING

Indicates a potential hazard that could result in a serious injury or death.

Active Riding



0411-003A

1. Compress the clutch lever; then press the gear shifter pedal with your toe to shift into first gear.
2. Compress the clutch lever; then lift the gear shifter pedal with your toe for each higher gear.
3. Compress the clutch lever; then press on the gear shifter pedal with your toe to shift down each gear and into neutral.
4. With the parking brake applied, engage first gear by compressing the clutch lever and then pressing downward on the gear shifter pedal. To start moving, release the parking brake; then gradually compress the throttle lever while slowly releasing the clutch lever. When speed has increased, release the throttle lever and compress the clutch lever. Using your toe, lift the gear shifter pedal to engage second gear. Select third, fourth, and fifth gear in succession by repeating this sequence.
5. Reduce speed by releasing the throttle, braking as necessary, and shifting down to a lower gear. Shifting to a lower gear is performed by compressing the clutch lever and pressing downward on the front of the gear shifter pedal. Repeat this sequence to select each lower gear.

To shift the ATV into reverse, follow these steps:

1. Bring the ATV to a complete stop.
2. Compress the clutch lever and shift the transmission into first gear.
3. Rotate the reverse selector knob clockwise and press the gear shifter pedal down into the R position.



SP063

Parking

Parking involves following the previous rules for braking; then:

1. After the ATV stops, shift into neutral.
2. Stop the engine using the engine stop switch.
3. Turn off the ignition.
4. If you have to park on a hill, shift the ATV into first gear; otherwise, try to park only on level surfaces.
5. Engage the parking brake lock.

Dismounting the ATV

After you've followed the procedure for parking, it's time to dismount:

1. Double check that the parking brake lock is engaged.
2. Swing your right leg over to the left side of the seat.



Active Riding

3. Step to the ground on the left side of the ATV.

How to Handle the ATV (Active Riding Techniques)

Active riding involves moving your body. You must learn to lean and shift your weight into your turns to maintain control.

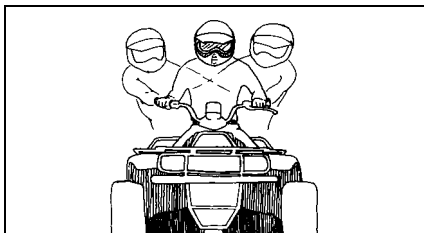
Your safety depends on using safe riding techniques. Statistics from the U.S. Consumer Product Safety Commission (CPSC) say that inexperienced riders who don't use safe riding techniques are **13 times more likely to have an ATV accident** than riders who have over 1 month of experience.

Safe riding techniques include:

- Riding
- Leaning, Weight Shift, and Balance
- Wide Turns
- Sharp Turns
- Quick Turns
- K-Turns
- Riding Uphill
- Riding Downhill
- Sidehilling/Traversing
- Swerving
- Crossing Obstacles

Riding

Once the engine's warm, the ATV is ready to go.



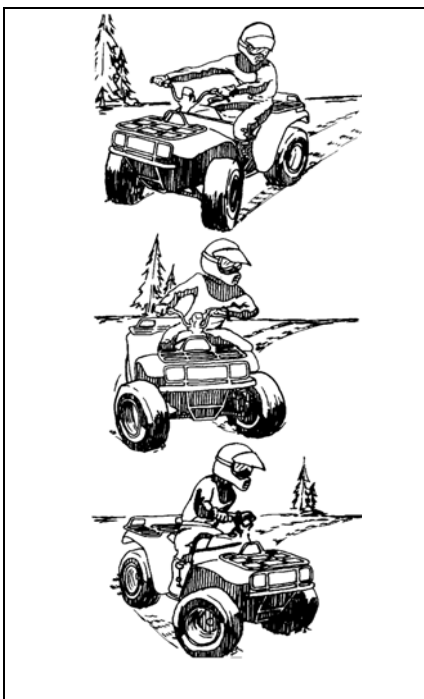
ATV-0012

1. Keep your feet on the footrests and both hands on the handlebar.

2. Press the rear brake pedal and fully compress the clutch lever releasing the parking brake; then shift into first gear.
3. Slowly release the clutch lever while applying throttle; then just as the clutch starts to engage, release the rear brake pedal.

Leaning, Weight Shift, and Balance

When you turn, the trick is to move forward and slide over to the side of the seat that's on the inside of the turn. Support your body weight on the inside footrest. At the same time, lean your body to the inside of the turn. Pay attention to the handling—if you feel the tires coming off the ground, reduce speed, shift more of your body weight to the side that's lifting, and make the turn wider if possible.



ATV-200



WARNING

Indicates a potential hazard that could result in a serious injury or death.

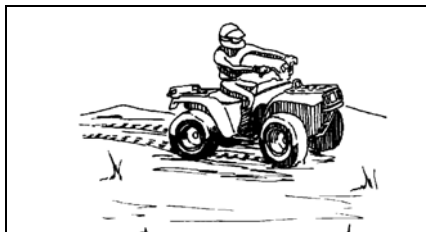
Active Riding

Wide Turns

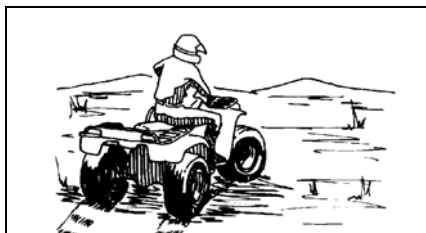
About 20% of ATV accidents happen during turns. If you don't understand turning techniques, it's easy for the ATV to get away from you by losing traction, plowing, or tipping. Use this method for wide turns:



ATV-0046



ATV-0045

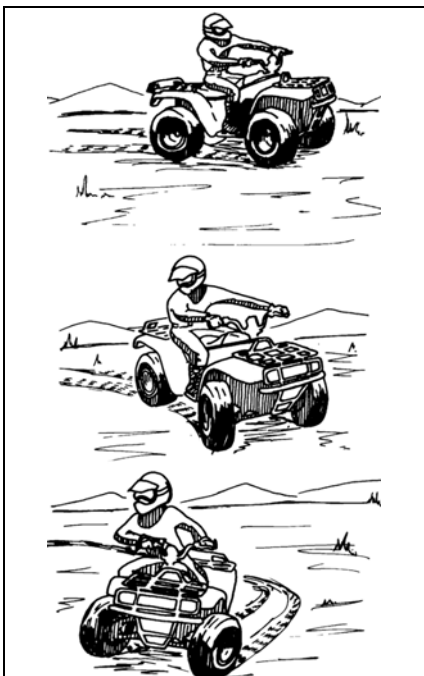


ATV-0044

1. Ease off the throttle as you approach the turn to slow down.
2. Use the principles of leaning, weight shifting, and balancing—shift your body weight to the inside of the turn.
3. Gradually increase your speed as you come out of the turn.

Sharp Turns

After mastering wide turns, practice the advanced skill of sharp turns.



ATV-202

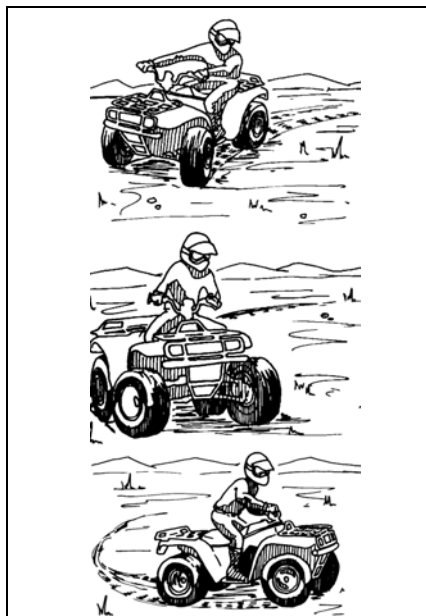
1. Ease off the throttle as you approach the turn to slow down.
2. Use the principles of leaning, weight shifting, and balancing—shift your body weight to the inside of the turn.
3. You might have to lean into the turn more than you do in a wide turn.
4. If shifting your weight and balance aren't enough to keep the ATV tires on the ground, straighten out the handlebars as much as you can.
5. Gradually increase your speed as you come out of the turn.



Active Riding

Quick Turns

Quick turns are the most difficult turns and should only be done after you are experienced with your ATV.

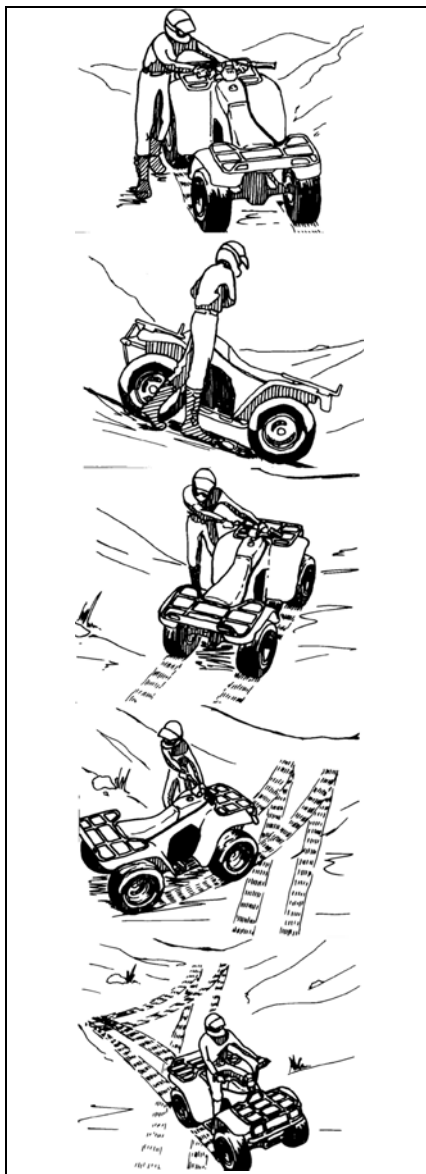


ATV-203

1. Ease off the throttle as you approach the turn to slow down.
2. Turn the handlebars and shift your weight and balance at the same time as you enter the turn (use the principles of leaning, weight shifting, and balancing—shift your body weight to the inside of the turn).
3. Follow this with slight acceleration.
4. For multiple turns, repeat this movement as needed.
5. To make your turn quicker, try raising yourself off the seat a few inches as you shift your weight.

K-Turns

Use K-turns if you accidentally stall while riding uphill; you need to take action before the ATV rolls backward down the hill.



ATV-204



WARNING

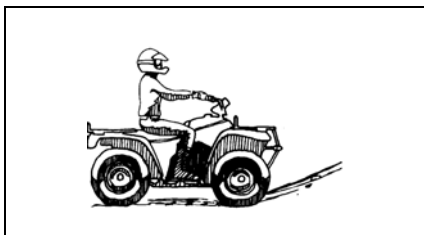
Indicates a potential hazard that could result in a serious injury or death.

Active Riding

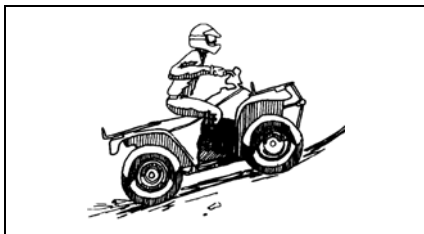
1. Stop where you are, apply the brakes, and shift to neutral.
2. Shut off the engine.
3. Keep your body weight shifted forward.
4. Get off the ATV on the uphill side.
5. If you're to the left of the ATV, turn the handlebar all the way left.
6. Partially release the brake, but lightly hold the brake lever.
7. Let the ATV roll to your right side until it faces slightly downhill.
8. Reapply the brakes.
9. Get back on the ATV from the uphill side, and keep your weight shifted uphill when you sit down.
10. Start the engine and follow the method for riding downhill.

Riding Uphill

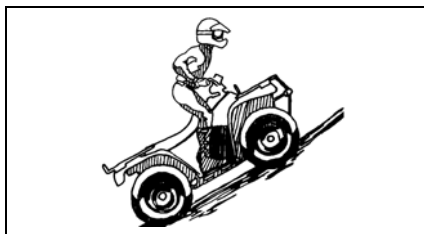
Roughly 20% of accidents happen while riding on hills and as a result of the ATV rolling or flipping. So, obviously, use extreme caution and follow this method for riding uphill.



ATV-0019



ATV-0032



ATV-0033

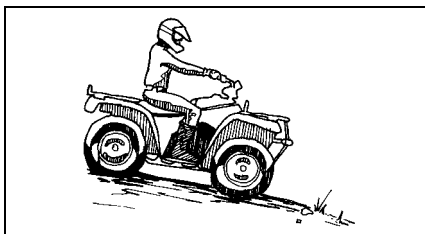
1. Shift down and accelerate before you start climbing; then maintain a steady pace.
2. Lean as far forward as possible. For steeper hills, come off your seat to stand and lean forward.
3. If you lose speed, quickly shift to a lower gear. At the same time, release the throttle (so your front tires don't lift), **OR**
4. If that doesn't work and you still have forward motion and the terrain permits, do a U-turn, go back down, and try climbing again, **OR**
5. If you have lost all forward motion, follow the K-turn procedure.



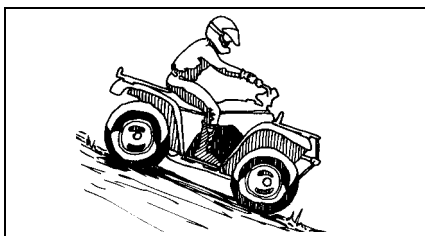
Active Riding

Riding Downhill

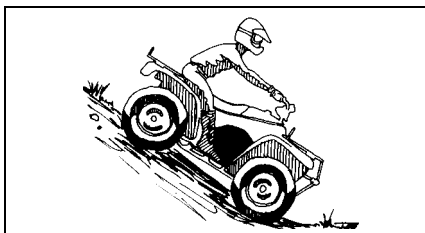
Success in riding downhill depends on how well you know your brakes—take it easy on them, or you could flip over.



ATV-0018



ATV-0030



ATV-0031

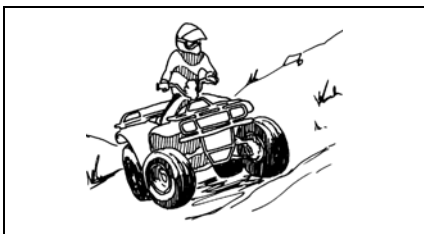
1. Shift your body weight as far back on the seat as possible.
2. Keep it in a low gear; stay out of neutral.
3. Lightly apply the brake and ease up on the throttle.

Sidehilling/Traversing

Sidehilling is considered an advanced skill; it's really tricky and unpredictable. So, whether your skills are advanced or not, try to avoid this kind of riding. If you're in a situation where you absolutely have to sidehill, follow this method:



ATV-0017



ATV-0028



ATV-0029

1. Keep your speed low and consistent.
2. Shift all your body weight to the uphill side of the seat; also, support your weight on the uphill footrest.
3. Steer like you're driving into the hill.



WARNING

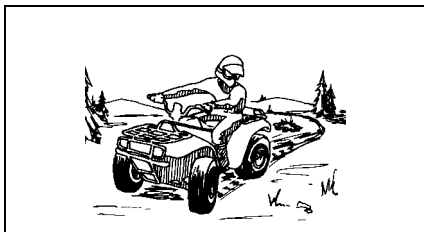
Indicates a potential hazard that could result in a serious injury or death.

Active Riding

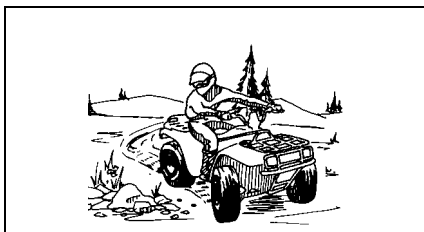
4. If the ATV feels like it's tipping, turn the handlebar downhill. If that's not possible because of the terrain or other conditions or if it just doesn't work, stop and get off. Dismount the ATV on the uphill side.

Swerving

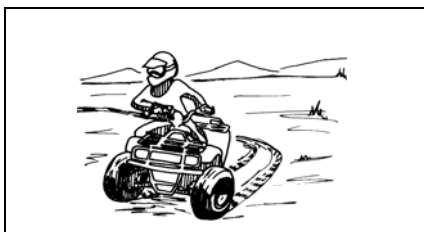
Swerving is usually an emergency reaction to avoid an obstacle but is similar to quick turns. The difference is that quick turns involve slight acceleration in the turn; don't accelerate if you swerve.



ATV-0043



ATV-0042



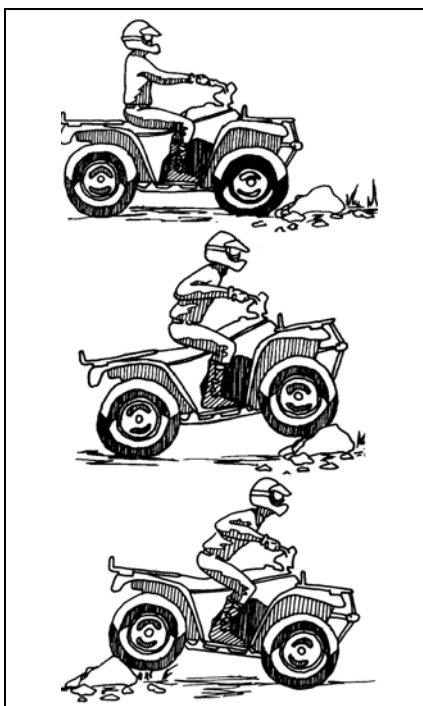
ATV-0041

1. Ease off the throttle as you approach the obstacle.

2. Turn the handlebar. At the same time, shift your weight and balance as you swerve. Use the principles of leaning, weight shifting, and balancing—shift your body weight to the inside of the turn.
3. Keep your hand off the brake until the emergency is over and you're back in control.

Crossing Obstacles

Crossing obstacles is risky; avoid it if possible. Riding over logs, rocks, and ruts means combining all the active riding skills into one big motion. Your ATV will respond differently for different obstacles (logs, ruts, etc.), but these are general guidelines for overcoming two-track (both tires contacting the obstacle at the same time) obstacles:



ATV-209



Active Riding

1. Keep your speed way down; less than 5 mph.
2. Approach the obstacle head-on.
3. Come up off the seat.
4. Keep your weight on the footrests.
5. Apply a little throttle when the front tires make contact with the obstacle.
6. Lean forward and release the throttle when the front tires clear the obstacle.
7. Keep your body loose to absorb any shock.
8. If the ATV starts tipping, shift your weight to keep it in balance.

To clear a single-track (only one tire contacts) obstacle, follow the same rules except:

1. Use the ATV's momentum to clear the obstacle.
2. Don't pull up on the handlebar.
3. Don't apply the throttle.

Tips

You know cars. You've been driving them for years. Driving an ATV and a car have similar rules; however, there are always exceptions to the rules. Here are a few situations that require special attention:

- Reversing
- Skidding or Sliding
- Parking on a Hill
- Stalling on a Hill
- Crossing Water
- Crossing Roads
- Driving in Cold Weather
- Stopping the ATV
- Stopping the Engine

Reversing

It's tough to see things behind you.

1. Go slowly. It's hard to see behind you.
2. Keep your handlebar straight.
3. Backing down hills is a bad idea; do a U-turn or K-turn instead to turn around.

Skidding or Sliding

If you lose control after hitting sand, ice, oil, or water:

1. Turn your handlebar into the direction of the slide.
2. Keep your hand off the brakes until you're out of the skid.
3. Shift your weight forward.

Sometimes your ATV may not respond and goes straight ahead instead of letting you turn. Here's how to handle it:

1. Slow down.
2. Move forward on the seat.
3. Lean to inside of turn.
4. Turn handlebar.

Parking on a Hill

This shouldn't be necessary, but if it is:

1. Keep it in gear.
2. Engage the parking brake lock.
3. Find something to block the rear tires.

Stalling on a Hill

If you use the right method for riding uphill, this shouldn't happen. But if you have a problem, do this:



Active Riding

1. If the ATV hasn't started rolling backwards yet, follow the procedure for the K-Turn, **OR**
2. If the ATV is already rolling backward, lean as far forward as possible standing up on the footrests.
3. Nice and easy, apply the front and rear brakes.
4. When you come to a stop, follow the procedure for the K-turn.
5. If the ATV continues to roll backward, dismount immediately on the uphill side.
2. Check both directions for traffic.
3. Crossing near a blind corner or intersection is dangerous; don't do it.
4. Drive straight across to the opposite shoulder.
5. Take into account that your ATV could stall while crossing; give yourself enough time to get off the road.
6. You have to assume that oncoming cars don't see you, and if they do, they won't be able to predict your actions.

Crossing Water

Your ATV can only handle water up to its footrests. Any more than that and you risk engine damage and/or personal injury. Stay away from fast moving rivers. ATV tires can be buoyant, so if the water is too deep, you might find the ATV suddenly afloat.

1. Physically check the depth and current of the water, especially if you can't see the bottom. You're also checking for boulders, logs, or any other hidden obstacles.
2. Keep your speed slow.
3. Make sure you have a way out on the other side of the water.
4. If you get stuck in the sludge or mud, try rocking the ATV from side to side.
5. Once you've cleared the water, briefly apply the brakes to make sure they work.

Crossing Roads

Crossing roads on your ATV is also a bad idea, so avoid it. If you can't:

1. Stop completely on the shoulder of the road.
2. If the tires are frozen to the ground, pour warm water around them to melt the ice.

Driving In Cold Weather

■ **NOTE:** Check that all control levers move freely. Make sure that the footrest, shift lever, and brake pedal are free of ice and snow.

WARNING

For your personal safety, it is very important to wear the type and amount of cold-weather clothing according to the coldest anticipated temperatures.

1. With the transmission in neutral, move the ATV forward and backward to check that the wheels roll freely. If the ATV will not roll, the tires may be frozen to the ground or the brake pads may be frozen to the discs.

2. If the tires are frozen to the ground, pour warm water around them to melt the ice.

Active Riding



CAUTION

Before riding, manually move the ATV forward and backward to make certain that all wheels roll freely.

3. If the brakes are frozen, take the ATV to a warmer area to thaw out the brakes.



WARNING

Do not attempt to free frozen brakes by pouring warm water on the brake pads and housings.

■ **NOTE:** After the brakes thaw, dry them by applying them several times while riding slowly.

■ **NOTE:** After riding through water, mud, snow, or slush, it is important to dry both brake systems before parking the ATV.



WARNING

Go slowly and be extra careful when riding on snow-covered or ice-covered terrain. Always be alert to changing terrain conditions when operating the ATV.

4. Practice driving in an open snow-covered or ice-covered area at slow speeds before driving on snow-covered or ice-covered trails.
5. Learn how the ATV responds to steering and braking on the type of terrain to be encountered on the ride.

Stopping The ATV

To stop the ATV, first release the throttle lever. Next, apply the brakes. As the ATV speed decreases, shift down through gears. As you come to a stop, compress the clutch lever to disengage the clutch.

Stopping The Engine

To stop the engine, turn the ignition switch key to the OFF position or set the emergency stop switch to the OFF position.



WARNING

Indicates a potential hazard that could result in a serious injury or death.

Sound Judgment

Overview

You are not invincible. Knowing that the first “S” in “P.A.S.S.” stands for “Sound Judgment” means you need to use yours.

Do you consider yourself to be pretty conservative, or are you a heavy risk-taker? Before continuing with this section on sound judgment, check your **Risk Factor** by doing this short survey:

1. Do you drive over the speed limit?

1 2 3
Never Sometimes Often

2. Are you more daring around your friends than you are when alone?

1 2 3
Never Sometimes Often

3. Do you drive your car when the gas gauge is on empty?

1 2 3
Never Sometimes Often

4. Do you feel that no matter what you do, you won't get hurt?

1 2 3
Never Sometimes Often

5. Do you drink or use drugs before you drive your car?

1 2 3
Never Sometimes Often

6. Do you drive your car even if it has a major problem with the brakes, tires, or engine?

1 2 3
Never Sometimes Often

7. Do you thrive on the adrenaline rush you get from speeding and dangerous situations?

1 2 3
Never Sometimes Often

8. Do you hurt yourself because you do things that are out of your ability range?

1 2 3
Never Sometimes Often

9. Do you tailgate other drivers when you think they're driving too slow?

1 2 3
Never Sometimes Often

10. Do you ignore weather reports before you do outside activities like swimming, camping, fishing, or boating?

1 2 3
Never Sometimes Often

Add the totals from lines 1-10. **YOUR RISK FACTOR IS:**

10-15: You're pretty conservative.
Chances are good that the consistently safe choices you make will help you avoid hurting yourself and the people around you.

16-20: You're straddling the fence.
Depending on your mood or whom you're with, the choices you make may help you or hurt you.

21-30: You're taking your chances.
Time to reconsider a lot of the judgments you make. You're destined to put yourself in dangerous situations and potentially hurt yourself and the people around you.



Sound Judgment

Environment

The environment controls you, not the other way around. And there's nothing you can do about it except respect it.

Weather

You need to consider the weather. It is dangerous to ride your ATV when the weather is bad or potentially bad. Keep abreast with weather forecasts.

Terrain

Just because you're on familiar terrain doesn't mean you can start daydreaming. You can't assume that the landscape you're used to doesn't change. Changes to landscape can happen at nearly any time. Fences can be constructed and excavations dug in a short period of time. Weather, climate, and development take their toll. The thing about terrain is that sometimes you don't know it's changed until you get there. Whether it's familiar or not, check out your surroundings before and during your ride.

Night Riding

Don't do it! It's a lot more difficult to see what's coming.

Paved Surfaces

Don't do it! The ATV isn't designed for pavement. Its handling becomes more difficult on paved surfaces.

Trail Riding

Use sound judgment when trail riding; that means riding on a trail that fits your ability level. If the trail is pretty rugged, standing up on your footrests will make it easier for you to endure the rough terrain.









Make yourself visible by using headlights and taillights, and pull completely off the trail if you need to stop.

Outsloped trails (trails that slant to allow rain to run off) make trail riding a bit more challenging. Accepting that challenge means keeping your weight shifted into the slope. Denying the challenge means sliding off the trail.

It also helps to know which trails you can ride and who else might be on those same trails. These are signs currently used in some areas to designate trail types and restrictions.

Trail Signs

SYMBOLS




	TWO-WHEEL MOTOR VEHICLE		SEDAN
	HIGH CLEARANCE VEHICLE 4x4 & PICKUP		ATV
	SNOWMOBILE		Symbol with RED SLASH indicates activity not allowed.
	OPEN ROUTE Not always used (refer to map).		Symbol with YELLOW SLASH indicates activity not recommended.

ENTERING MOTOR TRAVEL RESTRICTED AREA

LEAVING MOTOR TRAVEL RESTRICTED AREA

TRAVEL MANAGEMENT POSTER

This Area is Open To:

CLOSED TO ALL OTHER USES

TO RETURN ROAD OR TRAIL TO ITS ORIGINAL CONDITION

NATIONAL FOREST ROUTE MARKERS

13 Roads maintained for **LOW** clearance vehicles, such as passenger cars, motorhomes.

214

0 5 3 Roads maintained for **HIGH** clearance vehicles.



Sound Judgment

Those Around You

People do all kinds of things that you can't predict or control.

Riding Companions

Leave a lot of space between you and other riders, especially in dusty and dirty conditions, because it'll be difficult to see the riders in front of you stopping.

Riding with companions on several ATV's is not the same as riding one ATV with a passenger. Passengers are prohibited; it's unsafe. The extra weight on the seat makes the ATV difficult to control. About 50% of all ATV accidents involve passengers.

Other Vehicles

Depending on where you're riding, you might encounter other ATV's, bikes, or motor vehicles on public lands. Respect the presence of cars if you're crossing roads or riding in public areas and make yourself be seen. If you can't see other vehicles coming, that means you're invisible, too.

TESTIMONIAL

DOCUMENT#: N490117A1

CITY/STATE: N. HUNTINGDON, PA

SEX: M

AGE: 6

BODY PART: HEAD

DATE ACCIDENT: 14-06-94

DISPOSITION: DOA

SYNOPSIS: The 6 year old male victim died from blunt force trauma to the head when the 4-wheel ATV on which he was a passenger struck a rock on a hill connecting two roads and flipped over backwards onto the victim, shattering his bicycle helmet. The victim was life-flighted to the hospital and died that night. The driver of the ATV, the victim's 29 year old father, sustained minor injuries, but wasn't treated.

Hikers

People can get to some strange places on foot that you'd never expect them to be. For their sake, keep your eyes open.

Animals and Nature

You love the outdoors . . . you love to hunt and fish . . . so don't destroy what you love.

Tread Lightly and leave it as you found it.

Equipment

The last thing you expected was that your ATV would break down in the middle of the field . . . it's usually so reliable that sometimes you forget the ATV has its limits.

ATV Maintenance

You have to maintain your ATV. The General Maintenance section of this Operator's Manual tells you about taking care of your ATV. If, at any time, abnormal noises, vibrations, or improper functioning of any component of this ATV is detected, **DO NOT OPERATE THE ATV**. Take the ATV to an authorized Arctic Cat ATV dealer for inspection and adjustment or repair.

Cargo Limitations

One reason why passengers are prohibited on this ATV is because their presence throws off the weight and balance of the ATV. Cargo can do the same. Limit the ATV to the specified load capacity rating. The combined weight limit, including you and your personal items, is a specified amount, so consult the ATV Load Capacity Chart and monitor it carefully.

Extra weight on the ATV will also throw you off balance if it's not distributed evenly

Think about these when dealing with weight:

1. Weight distribution
2. ATV speed



Sound Judgment

Personal Choices

You value your freedom . . . the freedom to be adventurous, and careless, and reckless . . . to live life to its fullest and take chances. The other side of the story is the tragedy that sometimes occurs during these adventures . . . when a victim's family says, "Had I only known how dangerous these ATV's can be." Making good personal choices is your responsibility.

Load Capacity Chart

Arctic Cat ATV Load Capacity		
ITEM	Specifications	
	(lb)	(kg)
Max Load Capacity	243	110

ATV Load Capacity - Total weight of rider, personal items, and accessories must never exceed the above maximum load capacity.

WARNING

Operating this ATV with improper modifications can be hazardous. Improper installation of accessories or modification of the ATV may cause changes in handling which could lead to an accident. Never modify the ATV with improper installation or use of improper accessories. All parts and accessories installed on this ATV must be genuine Arctic Cat parts and accessories designed for use on this ATV. Install and use them according to instructions. If you have any questions, contact an authorized Arctic Cat ATV dealer.

■ **NOTE:** Use extra caution when operating an ATV with additional loads such as accessories and/or personal items. Handling of the ATV may be adversely affected. Reduce speed when adding additional loads.

WARNING

POTENTIAL HAZARD

Overloading the ATV or carrying personal items improperly.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for the ATV.

Always follow the instructions in this Operator's Manual pertaining to ATV loading.

Alcohol and Drug Consumption

Alcohol is related to 30% of all hospital admissions due to ATV accidents in the U.S. This isn't an issue of morality. It's extremely dangerous to drink alcoholic beverages and ride . . . it's also very foolish. When the alcohol starts kicking in and you're tearing along on your ATV, those odds can catch up to you.

Substances to avoid when riding:

1. Alcohol
2. Over-the-counter or prescription drugs
3. Illegal/mood altering drugs

Be aware of prescription and over-the-counter medications. Drowsiness and impaired judgment can be caused by a wide variety of medications. The same is true of allergy, cold, flu, and headache medications. Your physical size and weight can't protect you . . . just one antihistamine tablet can affect your judgment.

Sound Judgment

If your sense of adventure persuades you to do illegal drugs when you're riding your ATV, this is a reality check. Something to think about—there can be legal consequences that will take away all that freedom you love. Don't use alcohol or drugs before or during your ATV ride.

THE EFFECTS OF ALCOHOL *
<i>The Number of Drinks that Impair Mental and Physical Abilities</i>
1-2 DRINKS
Mental processes such as restraint, awareness, concentration, and judgment affected; reaction time slowed; inability to perform complicated tasks.
3-4 DRINKS
Depth perception, glare recovery, eye movement, and focus affected; decreased judgment and control.
5+ DRINKS
Coordination deteriorates, loss of critical judgment, and impaired memory and comprehension.
<i>*According to the ATV Safety Institute.</i>

Your Physical Condition

Being physically exhausted is like being drunk. Try to do something that's detail-oriented when you're really tired, and you'll feel totally uncoordinated.

Don't ride:
1. When you're tired

Reckless Riding

If you are involved in an ATV accident when you're speeding, you have a 25% chance of landing yourself in the hospital. The faster you go, the more likely you are to destroy your head and internal organs, and skip the wheelies, jumps, stunts, and any other showboating.

Laws and Regulations

Any police officer will tell you that ignorance of the law is no defense. Your best defense is to check out your local, state, or provincial ATV laws before riding. It'll also make sure that you can continue to ride in your favorite areas. The quickest way to have a land area closed is by riding over the regulations.

Group Behavior

People always do crazier and riskier things in a group than they would consider doing by themselves. When you're ATV riding with others and things start to get out of hand, decide whether you're willing to be injured or see your friends injured.

SIPDE

By themselves, none of these safe behaviors and sound judgments will go very far. But when you put them all together . . . when you're paying attention to how you feel, when you're monitoring the movements of your ATV, and when you're constantly evaluating your environment, then you're practicing SIPDE. SIPDE is an acronym that stands for:

S	I	P	D	E
SCAN/ SEARCH	IDENTIFY HAZARDS	PREDICT WHAT WILL HAPPEN	DECIDE WHAT TO DO	EXECUTE THE DECISION

Supervision

Overview

You're responsible for supervising those who ride your ATV. Your wisdom is valuable . . . it'll bring them all back safely—your friends, your family, your relatives, and your ATV. It's crucial that you consider yourself a supervisor for all riders of your ATV. Whether you accept responsibility or not, the truth is that you are responsible for others riding your ATV.

Taking Responsibility

You're to the last letter in "PASS" . . . "Supervision." You've just gone through the manual, and you've seen what's involved. That puts you in a good position to be confident about what you know. So now it's time to use your knowledge and supervise others who ride your ATV.

Inexperienced/Untrained Riders

You can't let people ride your ATV who don't know what they're doing. Unless they've had over a year of experience with ATV riding or taken an ATV training course, it's your responsibility to keep them off your ATV. It can be dangerous (especially for under-aged children)—all the more reason for you to be firm.

TESTIMONIAL

DOCUMENT#: N37023A1

CITY/STATE: MOOERSFORKS, NY

SEX: F

AGE: 5

BODY PART: UPPER TRUNK

DATE ACCIDENT: 6-29-93

DISPOSITION: DOA

SYNOPSIS: The victim of this incident, a five year old female, was operating a four wheeled all terrain vehicle (ATV) in the front yard of her parents' house, under the supervision of her father. The victim drove the ATV down an area where the only way to turn around was around a grain silo. The victim was executing a right hand turn when the vehicle tipped over to the right and fell onto her body. The victim was transported to a local hospital where she was pronounced dead on arrival. Photographs of the incident were not taken by law enforcement officials.

Experienced/Trained Riders

If anyone is going to borrow your ATV, you are responsible for their supervision. Before they ride, have them take the training course, have them watch the safety video, and have them read the Operator's Manual. You train them. It doesn't matter how you do it, as long as you do it.

ATV's are all a little different from the handling to the stability to the controls. So regardless of how much experience your family members have with ATV's, they don't have experience with *your* ATV. Let experienced riders get familiar with your ATV—show them the basics before they take off. You don't want it on your conscience that someone got hurt because you didn't tell them how to use your ATV.

Remember that regardless of experience, you should never let anyone under the age of 16 operate your ATV.



Supervision

TESTIMONIAL

DOCUMENT#: X46418A1

CITY/STATE: LAUREL, MS

SEX: M

AGE: 25

BODY PART: ALL PARTS BODY

DATE ACCIDENT: 6-25-93

DISPOSITION: DOA

SYNOPSIS: The 25 year old male died from drowning, after the 4-wheeled ATV he was driving overturned and landed on the victim, pinning him face down in 6 inches of water in a drainage ditch. The victim had failed to make a right hand turn and drove off the side of the road. The victim was driving at an excessive speed, and under the influence of alcohol. He was pronounced dead at the scene.

Arctic Cat and the ATV Safety Institute recommend that all ATV operators ride the appropriate-sized ATV according to age.

Age (Years)	Engine Size (cc)	Speed Limitations (MPH)
6-11	Up to 70	10 - Governed 15 - Maximum
12-15	Up to 90	15 - Governed 30 - Maximum
16 and Older	Over 90	According to Local Regulations

DIVISION II - PREFACE

(Operation/Maintenance)

This Arctic Cat ATV Operator's Manual should be considered a permanent part of the ATV and must remain with the ATV at the time of resale. If the ATV changes ownership more than once, contact Arctic Cat Inc., Service Department, P.O. Box 810, Thief River Falls, MN 56701, for proper registration information. Division II of this Operator's Manual was prepared by the Service Department of Arctic Cat Inc.

You have chosen a quality Arctic Cat ATV designed and manufactured to give dependable service. Be sure, as the owner/operator of an Arctic Cat ATV, to become thoroughly familiar with its basic operation, maintenance, and storage procedures. Read and understand the entire Operator's Manual before operating the ATV to ensure safe and proper use of your new Arctic Cat ATV. Always operate the ATV within your level of skill and current terrain conditions.

Division II of this manual covers operator-related maintenance, operating instructions, and storage instructions. If major repair or service is ever required, contact an authorized Arctic Cat ATV dealer for professional service.

At the time of publication, all information and illustrations in Division II were technically correct. Some illustrations used in Division II are used for clarity purposes only and are not designed to depict actual conditions. Because Arctic Cat Inc. constantly refines and improves its products, no retroactive obligation is incurred.

PARTS AND ACCESSORIES

When in need of replacement parts, oil, or accessories for your Arctic Cat ATV, be sure to use only **GENUINE ARCTIC CAT PARTS, OIL, AND ACCESSORIES**. Only genuine Arctic Cat parts, oil, and accessories are engineered to meet the standards and requirements of your Arctic Cat ATV. For a complete list of accessories, refer to the current Arctic Cat ATV Accessory Catalog.

To aid in service and maintenance procedures on this ATV, a Service Manual and an Illustrated Parts Manual are available through your local Arctic Cat ATV dealer.

DECLARATION OF CONFORMITY

Application of council directives: EMC Directive 89/336/EEC
Date of Issue: October, 1993
EC Machinery Directive 89/392/EEC
Date of Issue: June, 1993

Issued by European Commission.

Type of Equipment: All Terrain Vehicles

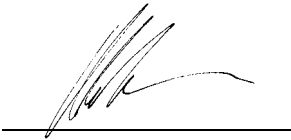
Brand Name: Arctic Cat

Model: DVX 400

Standards to which conformity is declared: IEC 801-2:1991
IEC 801-3:1984
EN 55011: Class A

Manufacturer (if not issuing agent): Arctic Cat Inc.
601 Brooks Ave S.
Thief River Falls, MN
56701 USA

I, the undersigned, hereby declare that the equipment specified above conforms to the directive(s) and standard(s) as specified.



Ole Tweet

Vice President, New Product Development

DVX 400 SPECIFICATIONS*

ENGINE AND DRIVE		
Type	Four-Cycle/Liquid Cooled	
Bore x Stroke	90.0 x 62.6 mm (3.54 x 2.46 in.)	
Displacement	398 cc (24.3 cu in.)	
Ignition Type	CDI	
Compression Ratio	11.3:1	
Spark Plug Type	NGK CR7E/DENSO U22ESR-N	
Spark Plug Gap	0.7 - 08 mm (0.028 - 0.031 in.)	
Brake Type	Hydraulic w/Twin Disc (Front) - Hydraulic w/Single Disc (Rear) - Parking Brake Lock	
Carburetor Type	Mikuni BSR36SS	
CHASSIS		
Length (Overall)	183 cm (72 in.)	
Height (Overall)	116 cm (45.6 in.)	
Width (Overall)	116.5 cm (45.8 in.)	
Suspension Travel (Front)	21.5 cm (8.4 in.)	
Suspension Travel (Rear)	22.5 cm (8.8 in.)	
Toe-In	5 mm (0.20 in.)	
Wheelbase	124.5 cm (49 in.)	
Turning Radius	3.1 m (10.2 ft)	
Front Tire Size	AT22 x 7R10	
Rear Tire Size	AT20 x 10R9	
Tire Inflation Pressure (Front)	0.30 kg/cm ² (4.4 psi)	
Tire Inflation Pressure (Rear)	0.275 kg/cm ² (4.0 psi)	
MISCELLANY		
Dry Weight (Approx)	169 kg (373 lb)	
Gas Tank Capacity (Rated)	10 L (2.6 U.S. gal.)	
Reserve Capacity	2.6 L (0.7 U.S. gal.)	
Engine Oil Capacity	2.1 L (2.2 U.S. qt)	
Gasoline (Recommended)	87 Octane Regular Unleaded	
Engine Oil (Recommended)	SAE 10W-40	
Cooling System Capacity	1.2 L (1.3 U.S. qt)	
Taillight/Brakelight	12V/5W/21W	
Headlight	12V/27W (2)	12V/50W (1)
Starting System	Electric	

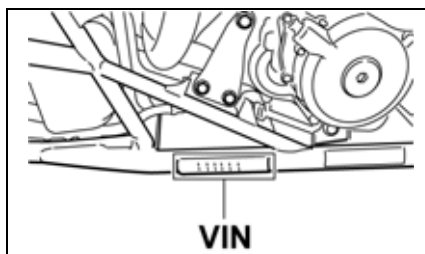
* Specifications subject to change without notice.

GENERAL INFORMATION

ATV IDENTIFICATION NUMBERS

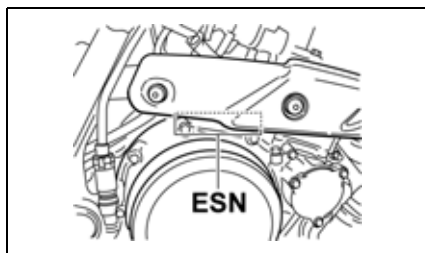
The Arctic Cat ATV has two identification numbers: Vehicle Identification Number (VIN) and Engine Serial Number (ESN).

The Vehicle Identification Number is located on the lower left-side frame just below the engine.



ATV2004A

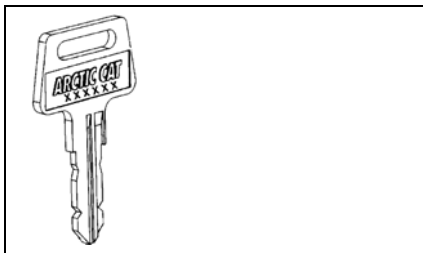
The Engine Serial Number is located on top of the crankcase near the right-side cover.



ATV2005A

IGNITION SWITCH KEY

Two keys come with the ATV. Keep the spare key in a safe place. An identifying number is stamped on each key. Use this number when ordering a replacement key.

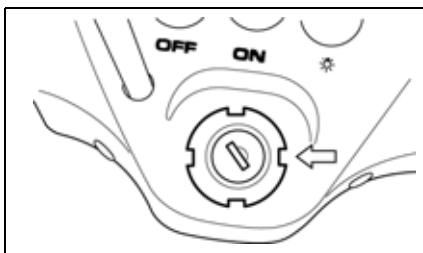


ATV-0055

CONTROL LOCATIONS AND FUNCTIONS

Ignition Switch

The ignition switch has three positions.



ATV2006

OFF position — All electrical circuits are off. The engine will not start. The key can be removed in this position.

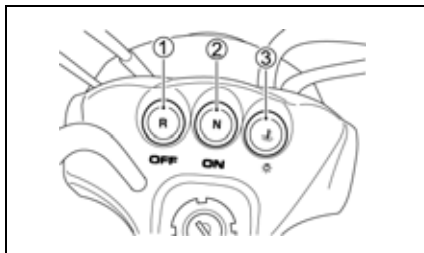
ON position — The ignition circuit is complete and the engine can run. The key cannot be removed in this position.

LIGHTS position — The ignition circuit is complete and the headlights and taillight are on. The key cannot be removed in this position.

CAUTION

Leaving the ignition switch in the **LIGHTS** position for a long period of time when the engine is not running may cause the battery to discharge. Always leave the ignition switch in the **OFF** position when engine is not running.

Indicator Lights



ATV2007

1. **Reverse Indicator** — A red light will illuminate when the transmission is shifted into reverse gear. The light will go off when shifted out of reverse.
2. **Neutral Indicator** — A green light will illuminate when the transmission is in neutral and the ignition switch is on. The light will go out when shifted into any gear other than neutral.
3. **Temperature Indicator** — A red light will illuminate if the engine overheats. The light should be off during normal operation.



CAUTION

Continued operation of the ATV with high engine temperature may result in engine damage or premature wear.

■ **NOTE:** High engine RPM, low vehicle speed, or heavy load can raise engine temperature. Decreasing engine RPM, reducing load, and selecting an appropriate transmission gear can lower the temperature.

■ **NOTE:** Debris in front of the engine (or packed between the cooling fins of the radiator) can reduce cooling capability. Using a hose, pressure-wash the radiator and the engine to remove any debris preventing air flow.

Reverse Selector Knob

To shift into reverse gear, stop the ATV completely and shift the transmission into first gear; then rotate the knob clockwise and press the gear shifter pedal to engage reverse gear.



SP063

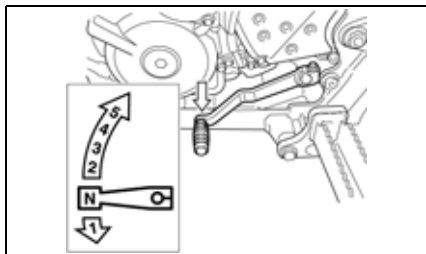


WARNING

Never shift the ATV into reverse gear when the ATV is moving as it could cause the ATV to stop suddenly throwing the operator from the ATV.

Gear Shifter Pedal

The gear shifter pedal is attached to a ratchet mechanism in the transmission. Each time a gear is selected, the pedal will return to its normal position ready to select the next gear.

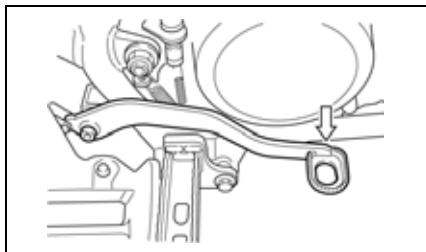


ATV2008

To return to neutral, press down repeatedly (once for each gear) on the pedal. Shift into gears by pressing down on the pedal for first gear and reverse gear and lifting up on the pedal for second through fifth gear. The ratchet mechanism makes it impossible to upshift or downshift more than one gear at a time.

Rear Brake Pedal

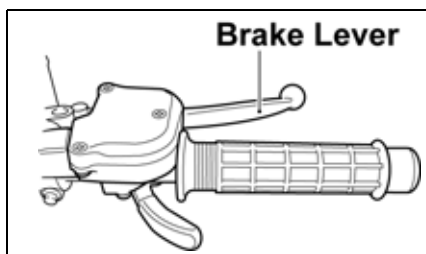
The rear brake should be applied whenever a braking situation is needed. Apply the rear brake by depressing the pedal.



ATV2009

Front Brake Lever

The front brake should be applied whenever a braking situation is needed.

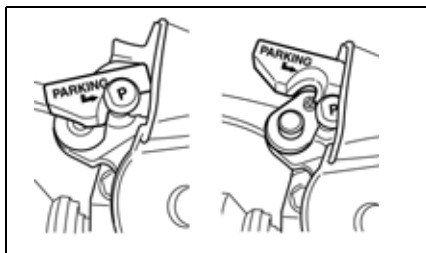


ATV2010A

Apply the brake by compressing the lever toward the handlebar.

Parking Brake Lock

To engage and release the parking brake lock, use the following procedure.



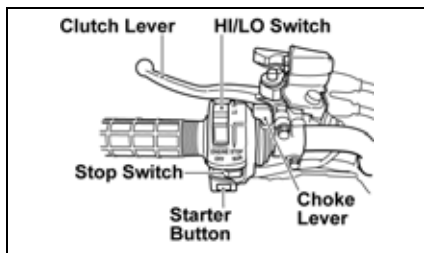
ATV2011

1. To engage, press down on the parking brake engagement pin; then compress the clutch lever and pull back on the parking brake lock.
2. Hold the lock in the engaged position and release the clutch lever.
3. To release, compress the clutch lever and release it. The lock will automatically release.

■ **NOTE:** The parking brake lock must lock the rear wheels. If it doesn't, see procedure in General Maintenance sub-section of this manual.

Headlight HI/LO Switch

Use the headlight HI/LO switch to select the high or low headlight beam when the ignition switch is in the LIGHTS position. When the switch is in the HI position, the high beam will illuminate. When the switch is in the LO position, the low beam will illuminate.



ATV2012A

Emergency Stop Switch

OFF position — The ignition circuit is off. The engine cannot be started or will not run. If the emergency stop switch is used to stop engine without turning off ignition switch, the battery may discharge.

RUN position — The ignition circuit is on. The engine can start and run.

Electric Starter Button

Pushing in on this button activates the starter motor. Before starting the engine, make sure the ignition switch is in the ON position, the transmission is in neutral, and the parking brake lock is engaged.

■ **NOTE:** This ATV has a safety interlock switch which prevents the starter motor from activating when the clutch lever is not compressed.

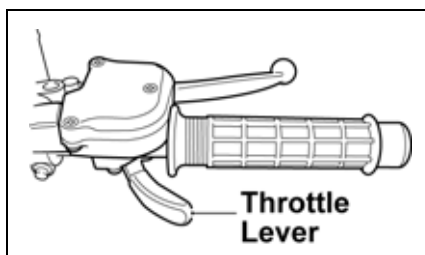
Clutch Lever

The clutch lever is used to engage and disengage the clutch. The clutch must be disengaged when starting the engine, shifting the transmission gears, or when coming to a complete stop. Compress the lever to disengage the clutch; release the lever to engage the clutch.

Choke Lever

The choke lever is used to help start a cold engine. Press the lever down fully to activate the choke. Return the lever to the full upright position to deactivate the choke.

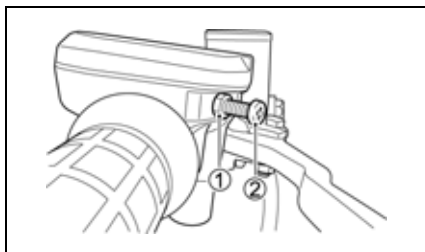
Throttle Lever



Control engine RPM with the position of the throttle lever. Operate this lever with the thumb. Pushing it forward increases engine RPM and allowing it to retract decreases engine RPM.

Throttle Limiter Screw

Throttle lever travel may be limited by adjusting the throttle limiter screw. The throttle limiter should be adjusted according to the operator's skill and experience. To adjust the throttle limiter, use the following procedure.

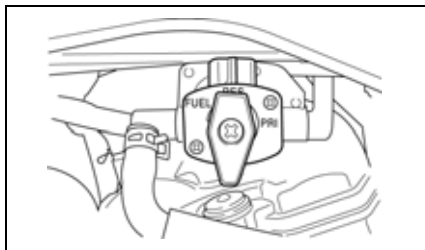


ATV2013

1. Loosen the jam nut (1).
2. Turn the throttle limiter screw (2) clockwise to decrease engine RPM maximum or counterclockwise to increase engine RPM maximum.
3. Tighten the jam nut securely.

Fuel Valve

The fuel valve is incorporated in the gas tank. There are three positions: ON, RES (reserve), and PRI (primer).



ATV2014

In the PRI position, the valve will allow gasoline to flow unrestricted to the carburetor. In the ON position (the normal operating position), gasoline will flow from the tank to the carburetor when the engine is being started or when it is running. In this position, 2.6 L (0.7 U.S. gal.) will remain in the tank as a reserve quantity.

Moving the valve to the reserve (RES) position will allow the operator to use the remaining gasoline in the tank. When turning the valve to any of the three positions, be sure the indicator is pointed directly at the position desired.

■ **NOTE:** The fuel valve is an automatic-off diaphragm style. Fuel will flow only when the engine is being started or when it is running; however, in the PRI position, fuel will flow unrestricted to the carburetor.

WARNING

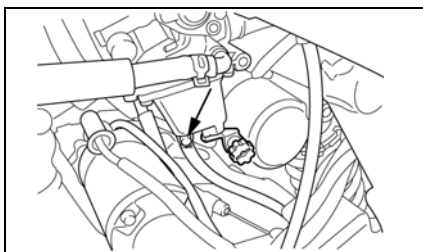
Leaving the fuel valve in the "PRI" position when the engine is off can be hazardous. The carburetor may overflow and fuel may run into the engine. This can cause a fire or cause severe damage to the ATV when the engine is started. Always leave the fuel valve in the "ON" or "RES" position when the engine is not running.

GAS/VENT HOSES

Replace the gas hose every two years. Damage from aging may not always be visible. Do not bend or obstruct the routing of the carburetor vent hose. Make certain that the vent hose is securely connected to the carburetor and hose holder and the opposite end is always open.

CARBURETOR FLOAT BOWL DRAIN

Periodically, the float bowl should be drained to remove condensation. To drain the float bowl, use the following procedure.



ATV2015B

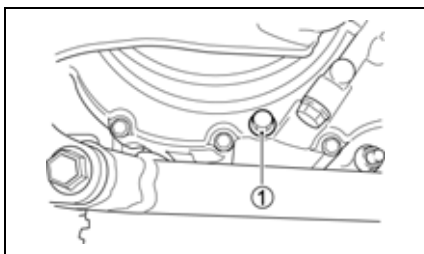
1. Place a suitable container beneath the drain hose.
2. Loosen the drain screw and allow the gasoline and condensation to flow into the container.
3. Tighten the drain screw securely.

WARNING

Draining fuel from the carburetor can be hazardous. Fuel can catch on fire if not handled properly. When draining the carburetor, always shut the engine off. Do not smoke and never drain or refuel in an area where there are open flames or sparks. Dispose of drained fuel properly.

OIL LEVEL STICK/ CRANKCASE CHECK PLUG

There is an oil level stick in the oil tank for checking the engine/transmission oil level. If the engine has been shut off for an extended period of time (several days), the oil from the oil tank can drain back into the crankcase creating a false oil level reading on the oil level stick. Prior to starting the engine, determine if there is sufficient oil in the system to safely start the engine using the following procedure.



ATV2019

1. Loosen, but do not remove, the engine crankcase check plug (1).
2. Carefully inspect for engine oil dripping from the threads of the plug.

■ **NOTE:** If engine oil is found around the plug, tighten the plug; the engine is safe to start.



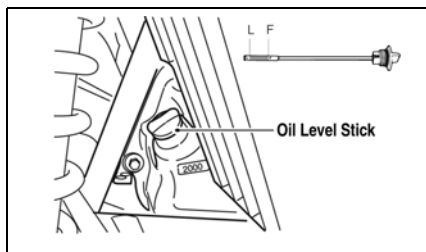
CAUTION

If no oil is present around the plug, do not start the engine. Take the ATV to an authorized Arctic Cat ATV dealer for service.

To check the engine/transmission oil level, use the following procedure.

■ **NOTE:** The ATV should be on level ground when checking the engine oil level.

1. Start the engine and allow it to run for three minutes; then unscrew the oil level stick and wipe it with a clean cloth.



ATV2020A

2. Install the oil level stick without threading it in.

■ **NOTE:** The oil level stick should not be threaded in for checking purposes.

3. Remove the oil level stick; the engine oil level should be above the "L" mark but not higher than the "F" mark.

SEAT LATCH



SP051A

1. To remove the seat, pull the seat latch lever back (located below the rear end of the seat). Raise the rear end of the seat and slide it backward.
2. To lock the seat into position, slide the front of the seat into the seat retainer and push down firmly on rear of seat. The seat should automatically lock into position.

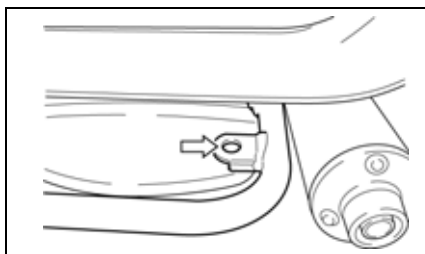


WARNING

Make sure the seat is secure before mounting the ATV. Severe personal injury may result if the seat is not properly secured.

SAFETY FLAG BRACKET

A bracket is provided for mounting a flag at the rear of the ATV.



ATV2016

TRANSPORTING ATV

When transporting the ATV, Arctic Cat recommends that the ATV be in its normal operating position (on all four wheels) and the following procedure be used.

1. Engage the parking brake lock and place the transmission in first gear.
2. Secure the ATV with load rated hold-down straps.

■ **NOTE:** Suitable hold-down straps are available from your Arctic Cat ATV dealer. Ordinary rope is not recommended because it can stretch under load.



CAUTION

If using additional hold-down straps in any other areas, care must be taken not to damage the ATV.



CAUTION

When transporting the ATV, make sure the parking brake lock is engaged and the ATV is properly secured.

GASOLINE-OIL-LUBRICANT

Recommended Gasoline

The recommended gasoline to use in this ATV is 87 minimum octane regular unleaded. In many areas, oxygenates (either ethanol or MTBE) are added to the gasoline. Oxygenated gasolines containing up to 10% ethanol, 5% methane, or MTBE are acceptable gasolines.

When using ethanol blended gasoline, it is not necessary to add a gasoline antifreeze since ethanol will prevent the accumulation of moisture in the fuel system.



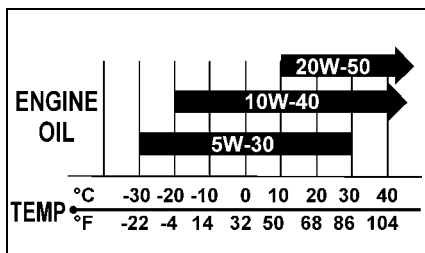
CAUTION

Do not use white gas. Only Arctic Cat approved gasoline additives should be used.

Recommended Engine/Transmission Oil

■ **NOTE:** Arctic Cat recommends the use of genuine Arctic Cat lubricants.

The recommended oil to use in this ATV is an oil which is rated SE, SF, or SG under API service classification. These oils meet all of the lubrication requirements of the Arctic Cat ATV engine. The recommended engine oil viscosity is SAE 10W-40. Ambient temperature should determine the correct weight of oil. See the viscosity chart or an authorized Arctic Cat ATV dealer for details.



OILCHART

CAUTION

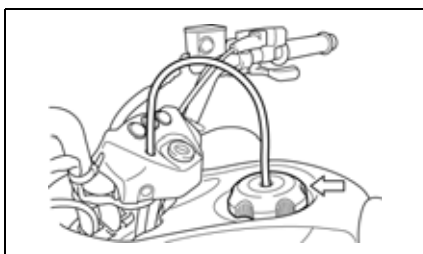
Any oil used in place of the recommended oil could cause serious engine damage.

Filling Gas Tank

WARNING

Always fill the gas tank in a well-ventilated area. Never add gasoline to the ATV gas tank near any open flames or with the engine running or hot. **DO NOT SMOKE** while filling the gas tank.

Since gasoline expands as its temperature increases, the gas tank must be filled to its rated capacity only. Expansion room must be maintained in the tank particularly if the tank is filled with cold gasoline and then moved to a warm area.



ATV2017

Allow the engine to cool before filling the gas tank. Care must be taken not to overfill the tank. If overfilled, gas may leak onto the engine creating a fire hazard.

To remove and install the tank cap, use the following procedure.

1. Remove the vent tube from the instrument pod.
2. Turn the cap counter-clockwise and remove.

WARNING

Do not over-flow gasoline when filling the gas tank. A fire hazard could materialize. Always allow the engine to cool before filling the gas tank.

3. Turn the cap clockwise to tighten the cap securely after filling the tank; then install the vent tube making sure it is properly routed.

WARNING

Do not overfill the gas tank.

BREAK-IN PROCEDURE

New ATV's and renewed ATV engines require a "break-in" period. The first month is most critical to the life of this ATV. Proper operation during this break-in period will help assure maximum life and performance from the ATV.

During the first 10 hours of operation, always use less than ½ throttle. Varying the engine RPM during the break-in period allows the components to "load" (aiding the engine/transmission component mating process) and then "unload" (allowing components to cool). Although it is essential to place some stress on the engine components during break-in, care should be taken not to overload the engine too often.

When the engine starts, allow it to warm up properly. Idle the engine several minutes until the engine has reached normal operating temperature. Do not idle the engine for excessively long periods of time.



CAUTION

BRAKE PADS MUST BE BURNISHED TO ACHIEVE FULL BRAKING EFFECTIVENESS.

Braking distance will be extended until brake pads are properly burnished.

- **TO PROPERLY BURNISH THE BRAKES, USE FOLLOWING PROCEDURE:**
- **Choose an area sufficiently large to safely accelerate ATV to 30 mph and to brake to a stop.**
- **Accelerate to 30 mph; then compress brake lever to decelerate to 0-5 mph.**
- **Repeat procedure 5 times until brakes are burnished.**



WARNING

Do not attempt sudden stops or put yourself into a situation where a sudden stop will be required until the brake pads are properly burnished.

After the completion of the break-in period, the engine oil and oil filter should be changed. Other maintenance after break-in should include checking of all prescribed adjustments and tightening of all fasteners. At the discretion and expense of the owner/operator, the ATV may be taken to an authorized Arctic Cat ATV dealer for this initial service.

GENERAL MAINTENANCE

■ **NOTE:** Proper maintenance of the ATV is important for optimum performance. Follow the Maintenance Schedule and all ensuing Maintenance Instructions/Information.

If, at any time, abnormal noises, vibrations, or improper functioning of any component of this ATV is detected, DO NOT OPERATE THE ATV. Take the ATV to an authorized Arctic Cat ATV dealer for inspection and adjustment or repair.

If the owner/operator does not feel qualified to perform any of these maintenance procedures or checks, take the ATV to an authorized Arctic Cat ATV dealer for professional service.

■ **NOTE:** The following instructions and information refer to specific items in the maintenance and care of the ATV.

MAINTENANCE SCHEDULE

Item	Page	After break-in	1 month	3 months	6 months
Battery	98	I	I	I	I
* Engine nuts and bolts	—	I			I
* Valve clearance	—	I			I
Spark plug	100	I		I	I
	100	Replace every 18 months			
Cooling system	90	I	I	I	I
Idle speed	101	I			I
Throttle cable	101	I	Inspect every time before riding		
Gas/vent hoses	81	I	Inspect every time before riding		
	81		Replace every 2 years		
Engine/transmission oil and filter	93	R		R	
Air filter	102	I	I	I	I
Clutch	78/ 103	I			I
Drive Chain	104		Inspect every time before riding		
Spark arrester/muffler	107				C
Tires/air pressure	106/ 73	I	Inspect every time before riding		
* Brake components	96	I	Inspect every time before riding		
	97	I	Inspect every time before riding		
Brake fluid	95	I	*Replace every 2 years		
Brake hoses	95	I	*Replace every 4 years		
* Steering	—	I	Inspect every time before riding		
* Suspension (Ball joint boots and tie rod boots)	—	I	Inspect every time before riding		
* Chassis nuts and bolts	—	I	T	T	T
Frame/welds/racks	—	I			I
Electrical connections	—	I			I
Headlight/taillight-brakelight	108/ 109	I	Inspect every time before riding		

I = Inspect and clean, adjust, lubricate, replace as necessary

* = Dealer maintenance

T = Tighten

R = Replace

C = Clean

COOLING SYSTEM

■ **NOTE:** Debris in front of the engine or packed between the cooling fins of the radiator can reduce cooling capability. Using a hose, pressure-wash the radiator to remove any debris preventing air flow.

The cooling system capacity is approximately 1.2 L (1.3 U.S. qt). The cooling system should be inspected daily for leakage and damage. If leakage or damage is detected, take the ATV to an authorized Arctic Cat ATV dealer for service. Also, the coolant level should be checked periodically.



CAUTION

Continued operation of the ATV with high engine temperature may result in engine damage or premature wear.

■ **NOTE:** High engine RPM, low vehicle speed, or heavy load can raise engine temperature. Decreasing engine RPM, reducing load, and selecting an appropriate transmission gear can lower the temperature.

The engine coolant will expand in the radiator as the temperature increases. Excessive coolant will flow to the coolant overflow tank; then as the system cools, coolant will be drawn back into the radiator. The coolant level in the overflow tank should be maintained between low and high marks on the tank.

When filling the cooling system, use a coolant/water mixture which will satisfy the coldest anticipated weather conditions of the area in accordance with the coolant manufacturer's recommendations. While the cooling system is being filled, air pockets may develop; therefore, run the engine for five minutes after the initial fill, shut the engine off, and then fill the cooling system to the bottom of the stand pipe in the radiator neck.

■ **NOTE:** Use a good quality, biodegradable glycol-based, automotive-type antifreeze.



WARNING

Never check the coolant level when the engine is hot or the cooling system is under pressure.



CAUTION

After operating the ATV for the initial 5-10 minutes, stop the engine, allow the engine to cool down, and check the coolant level. Add coolant as necessary.


SHOCK ABSORBERS

Each shock absorber should be visibly checked weekly for excessive fluid leakage (some seal leakage may be observed but it does not indicate the shock is in need of replacement), cracks or breaks in the lower case, or a bent shock rod. If any one of these conditions is detected, replacement is necessary.

■ **NOTE:** When the ATV is operated in extremely cold weather (-23°C/-10°F or colder), a small amount of leakage may be present.

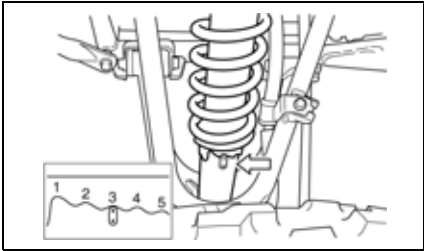
Unless the leakage is excessive, replacement is not necessary.

Adjusting Pre-Load (Front)




**WARNING**

Always adjust the left-side and right-side springs to the same pre-load position. Uneven adjustment will cause handling problems and could cause loss of control and an accident.

The front shock absorber has a pre-load adjustment sleeve with five adjustment positions to allow the spring to be adjusted for different riding conditions. If the spring action is too soft or too stiff, adjust it according to the chart.



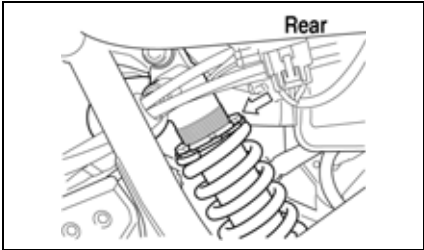
ATV2021

Position	Spring Force	Setting	Load
1		Soft	Light
2			
3			
4			
5		Stiff	Heavy

■ **NOTE:** Use a spanner wrench to adjust the sleeve to the desired position.

Pre-Load (Rear)

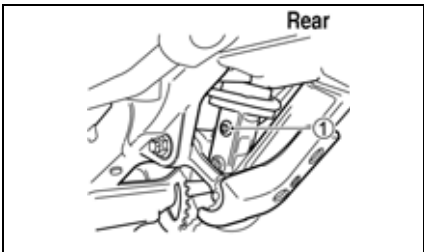
The rear shock absorber has a pre-load adjustment ring to allow the spring to be adjusted for different riding conditions. The rear shock absorbers must be removed, special tools are needed, and the adjustment ring jam nut must be tightened to a specific torque factor when adjusting pre-load; therefore, Arctic Cat recommends that the ATV be taken to an authorized Arctic Cat ATV dealer for this adjustment.



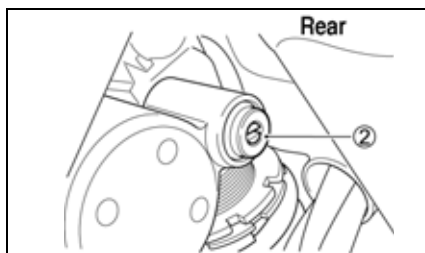
ATV2022

Adjusting Rebound/Compression Damping Force (Rear)

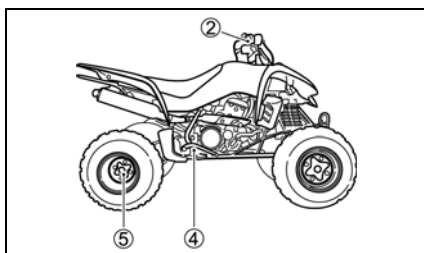
Additional riding condition adjustments can be made by adjusting the shock absorber rebound and compression damping. Turning the adjustment screws clockwise from the “standard” position will stiffen the force; turning the adjustment screws counterclockwise will soften the force.



ATV2023



ATV2024



ATV2051A

To adjust rebound to the “standard” position, turn the adjuster (1) clockwise until it stops; then turn it counterclockwise 16 clicks.

To adjust compression damping to the “standard” position, turn the adjuster (2) clockwise until it stops; then turn it counterclockwise 2 turns.

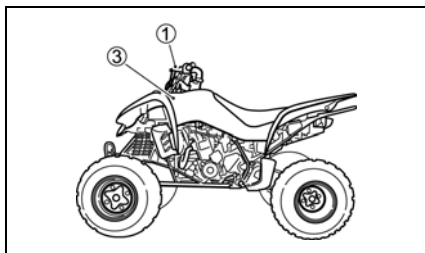
■ **NOTE:** Damping force should be adjusted in 1/8-turn increments to “fine-tune” the suspension.

GENERAL LUBRICATION

Lubrication Points

It is advisable to lubricate certain components periodically and before storage to ensure free movement.

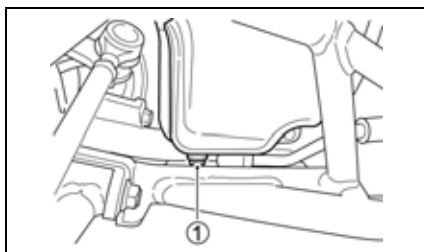
1. Brake Lever Holder (oil)
2. Throttle Lever (oil)
3. Steering Shaft Holder (grease)
4. Brake Pedal (grease)
5. Axle Shaft Joint Spline (grease)



ATV2050A

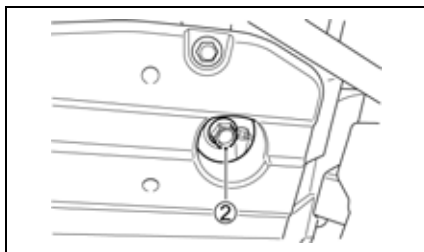


SP016A



ATV2027

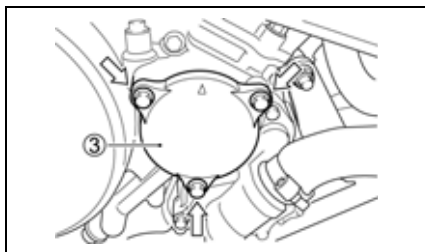
Change the engine/transmission oil and oil filter at the scheduled intervals. The engine should always be warm when the oil is changed so the oil will drain easily and completely.



ATV2028

1. Park the ATV on level ground.

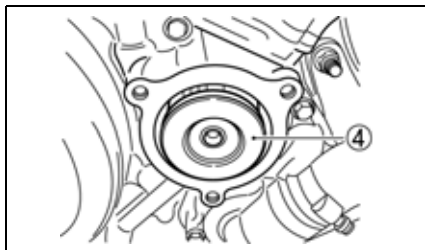
2. Remove the oil level stick. Be careful not to allow contaminants to enter the opening.
3. Remove the drain plugs (1 and 2) from the bottom of the crankcase and the oil tank. Drain the oil into a drain pan.
4. Remove the three cap screws securing the filter cover (3).



ATV2029

5. Remove the filter cover; then pull out the oil filter element (4) and properly discard. Remove and properly discard the O-ring from the filter cover.

■ **NOTE:** Clean up any excess oil after removing the filter. Also, check to be sure the filter cover spring is properly positioned.



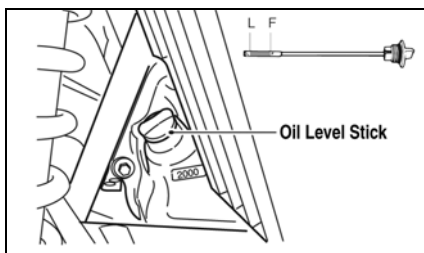
ATV2030

6. Apply oil to the new filter cover O-ring and position it correctly in the filter cover.
7. With the open end of the oil filter element directed toward the center of the engine, slide the element into position.

⚠ CAUTION

If the oil filter element is inserted backwards, engine damage will occur due to a lack of oil flow.

8. Place the filter cover into position and secure with three cap screws. Tighten securely.
9. Install the crankcase and oil tank drain plugs and tighten securely. Pour the recommended oil into the oil tank. Install filler plug.



ATV2020A

10. Start the engine (while the ATV is outside on level ground) and allow it to idle for a few minutes.
11. Turn the engine off. Check the oil level in the oil tank. The oil level should be between the low and full marks.

■ **NOTE:** Insert the oil level stick only until the threads touch the filler neck. Do not thread the cap onto the filler neck.

12. Inspect the area around the drain plug and oil filter for leaks.

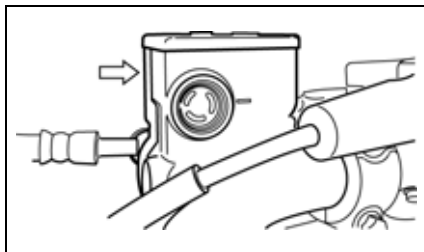
HYDRAULIC BRAKES

⚠ WARNING

Be sure to inspect the hydraulic brake system before each use. Always maintain brakes according to the Maintenance Schedule.

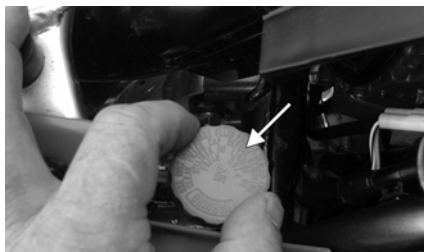
Brake Fluid

Check the brake fluid level in the front brake fluid reservoir. If the level in the reservoir is below the lower mark in the sight glass, add DOT 4 brake fluid.



ATV2037

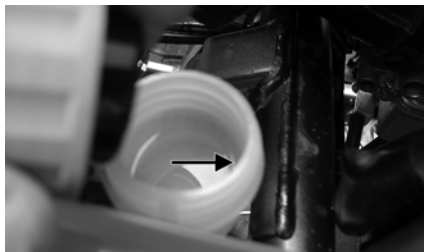
Check the brake fluid level in the rear brake fluid reservoir.



SP111A

■ **NOTE:** The seat must be removed to access the rear reservoir.

If the level in the reservoir is below the lower mark, add DOT 4 brake fluid.



SP112A

⚠ CAUTION

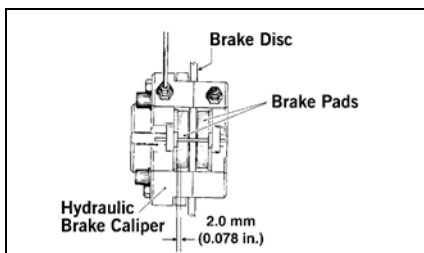
Be careful not to spill any fluid when filling the brake fluid reservoir. Wipe away spilled fluid immediately.

Brake Hoses

Carefully inspect the hydraulic brake hoses for cracks or other damage. If found, take the ATV to an authorized Arctic Cat ATV dealer to have the brake hoses replaced.

Brake Pads

The clearance between the brake pads and brake discs is adjusted automatically as the brake pads wear. The only maintenance that is required is replacement of the brake pads when they show excessive wear. Check the condition of each of the brake pads as follows:



730-434D

1. Remove a front wheel.
2. Measure the thickness of each brake pad.
3. If thickness of either brake pad is less than 2.0 mm (0.078 in.), take the ATV to an authorized Arctic Cat ATV dealer to have brake pads replaced.

PARKING BRAKE

The brake must be properly maintained to be fully functional.

WARNING

Be sure to inspect the parking brake before each use. Always maintain brakes according to the Maintenance Schedule.

To check the parking brake, use the following procedure.

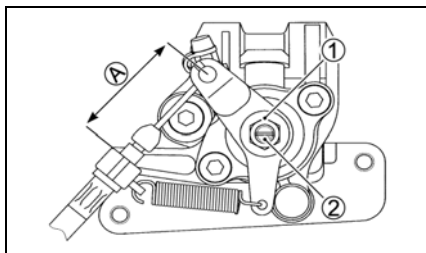
1. Engage and set the parking brake lock.



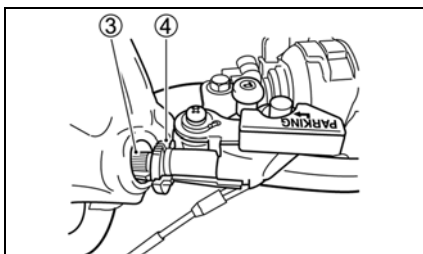
ATV2011

2. With the engine off and the transmission in neutral, attempt to move the ATV.
3. If the rear wheels are locked, it is adjusted properly.
4. If the rear wheels are not locked, it must be adjusted (set up).

To adjust (set up) the parking brake, use the following procedure.



ATV2054

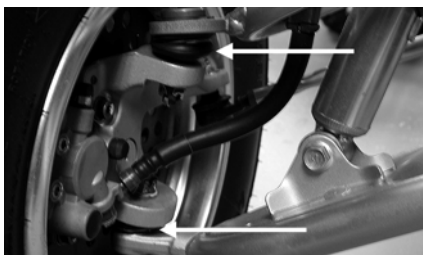


ATV-2053

1. Park the ATV on a level surface and block the front wheels.
2. Lift the rear of the ATV and place a block under the swing arm.
3. Loosen lock nut (1); then turn the adjuster (2) counterclockwise several turns.
4. Loosen lock nut (4); then turn adjuster (3) until cable measurement (A) is 47-51 mm (1.9-2.0 in.) in length.
5. Tighten lock nut (4).
6. Turn adjuster (2) clockwise until resistance is felt; then loosen the adjuster 1/8-1/4 turn.
7. Tighten lock nut (1).

PROTECTIVE RUBBER BOOTS

The protective boots should be inspected periodically according to the Maintenance Schedule.



SP006A

Ball Joint Boots (Upper and Lower/ Right and Left)

1. Secure the ATV on a support stand to elevate the front wheels.
2. Remove both front wheels.
3. Inspect the four ball joint boots for cracks, tears, or perforations.
4. Check the ball joint for free-play by grasping the steering knuckle and turning it from side to side and up and down.
5. If boot damage is present or ball joint free-play seems excessive, contact an authorized Arctic Cat ATV dealer for service.

Tie Rod Boots (Inner and Outer/Right and Left)



SP007A

1. Secure the ATV on a support stand to elevate the front wheels.
2. Remove both front wheels.
3. Inspect the four tie rod boots for cracks, tears, or perforations.
4. Check the tie rod end free-play by grasping the tie rod near the end and attempting to move it up and down.
5. If boot damage is present or tie rod end free-play seems excessive, contact an authorized Arctic Cat ATV dealer for service.

BATTERY

The battery is located under the seat.

The battery in this ATV is a “sealed” type and does not require any maintenance unless discharged. Distilled water and/or electrolyte cannot be added to the battery.

WARNING

Anytime service is performed on a battery, the following must be observed: Keep sparks, open flame, cigarettes, or any other flame away. Always wear safety glasses. Protect skin and clothing when handling batteries. When servicing battery in enclosed space, keep the area well-ventilated.

This maintenance-free battery requires periodic charging to prevent sulfiding. If the ATV will be idle for extended periods of time, either run the engine or trickle charge from time to time. If the battery completely discharges, permanent damage will occur requiring replacement.

If the battery is discharged, remove the battery from the ATV and charge the battery at the standard charging rate of 0.9 amps for 5-10 hours.

To remove and charge the battery, use the following procedure.

1. Remove the seat assembly; then remove the battery hold-down bracket.
2. Remove the negative battery cable; then remove the positive cable. Remove the battery from the ATV.

⚠ WARNING

Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer and reproductive harm. Wash hands after handling.

⚠ CAUTION

Do not charge the battery while it is in the ATV with the battery terminals connected.

3. Trickle charge the battery at 0.9 amps for 5-10 hours.

⚠ CAUTION

Never exceed the standard charging rate.

⚠ CAUTION

Before installing the battery, make sure the ignition switch is in the OFF position.

4. Place the battery into position in the ATV and secure with the hold-down bracket.
5. Clean the battery posts and cable ends by using a battery post cleaning tool and/or a wire brush to remove dirt, grease, and corrosion.
6. Connect cables to the proper terminals: positive cable to the positive terminal (+) and negative cable to the negative terminal (-). Connect the negative cable last.

⚠ CAUTION

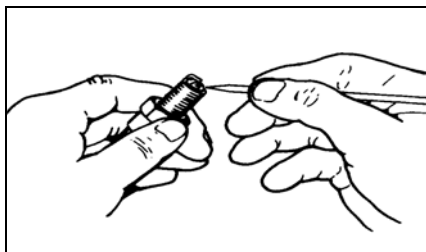
Connecting cables in reverse (positive to negative and negative to positive) can cause serious damage to the electrical system.

SPARK PLUG

The ATV comes equipped with a specified spark plug. See the specifications chart for the correct spark plug. A light brown insulator indicates that the plug is correct. A white or dark insulator indicates that the engine may need to be serviced or the carburetor may need to be adjusted. Consult an authorized Arctic Cat ATV dealer if the plug insulator is not a light brown color. To help prevent cold weather fouling, make sure to thoroughly warm up the engine before operating.

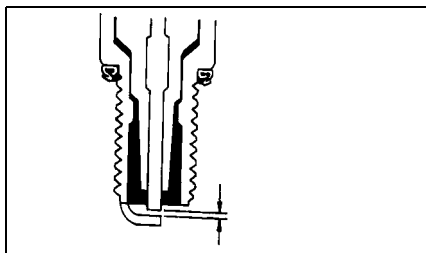
To maintain a hot, strong spark, keep the plug free of carbon.

Before removing the spark plug, be sure to clean the area around the spark plug. If you do not, dirt could enter engine when removing or installing the spark plug.



ATV-0051

Adjust the gap to 0.7-0.8 mm (0.028-0.032 in.) for proper ignition. Use a feeler gauge to check the gap.

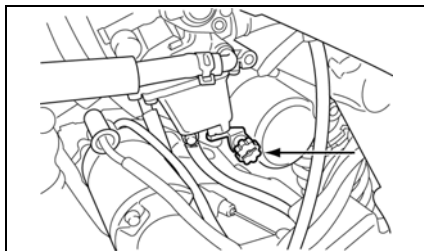


ATV-0052

When installing the spark plug, be sure to tighten it securely. A new spark plug should be tightened 1/2 turn once the washer contacts the cylinder head. A used spark plug should be tightened 1/8 - 1/4 turn once the washer contacts the cylinder head.

ENGINE IDLE RPM ADJUSTMENT

To properly adjust the idle, a tachometer is necessary. If one is not available, take the ATV to an authorized Arctic Cat ATV dealer.



ATV2015A

To adjust idle RPM:

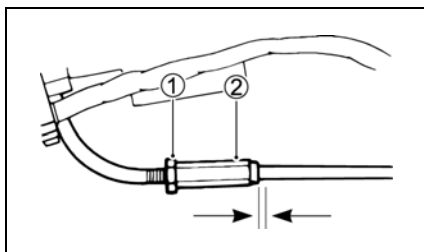
1. Start the engine and warm it up to normal operating temperature.
2. Turn the idle adjustment screw in or out until the engine idles at 1400-1600 RPM.

WARNING

Adjust the idle to the correct RPM. Make sure the engine is at normal operating temperature before adjusting the idle RPM.

CHOKE CABLE ADJUSTMENT

To adjust choke cable:



ATV2052

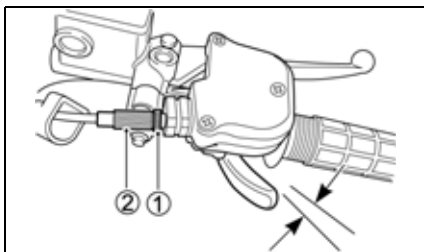
1. Loosen lock nut (1); then turn adjuster (2) in or out to obtain proper free-play of 0.5-1.0 mm (0.020-0.040 in.).

■ **NOTE:** Measure free-play when pulling on the outer cable.

2. After correct free-play is obtained, tighten lock nut (1).

THROTTLE CABLE ADJUSTMENT

To adjust the throttle cable free-play:



ATV2026

1. Loosen the jam nut (1) from the throttle cable adjuster (2).
2. Slide the rubber boot away and turn the adjuster until the throttle lever has proper free-play of 3-5 mm (1/8 - 1/5 in.).
3. Tighten the knurled nut against the throttle cable adjuster securely; then slide the rubber boot over the adjuster.

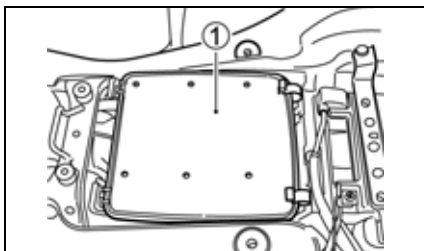
AIR FILTER

The air filter inside the air filter housing must be kept clean to provide good engine power and gas mileage. If the ATV is used under normal conditions, service the filter at the intervals specified. If operated in dusty, wet, or muddy conditions, inspect and service the filter more frequently. Use the following procedure to remove the filter and inspect and/or clean it.

CAUTION

Failure to inspect the air filter frequently if the ATV is used in dusty, wet, or muddy conditions can damage the engine.

1. Remove the seat.
2. Remove the air filter housing cover (1) by unseating the two retaining clips; then lifting and removing the cover.

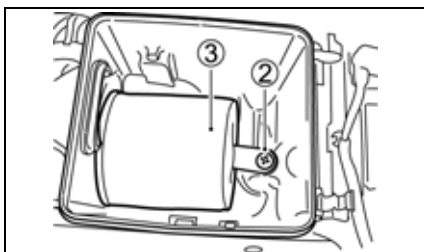


ATV2031



SP014A

3. Remove the air filter retaining screw (2); then remove the foam element (3) from its frame.



ATV2032

4. Fill a wash pan larger than the element with a non-flammable cleaning solvent; then dip the element in the solvent and wash it.
5. Squeeze the element by pressing it between the palms of both hands to remove excess solvent. Do not twist or wring the element or it will develop cracks.
6. Dry the element.
7. Put the element in a plastic bag; then pour in air filter oil and work the oil into the element.
8. Squeeze the element to remove excess oil.

CAUTION

A torn air filter can cause damage to the ATV engine. Dirt and dust may get inside the engine if the element is torn. Carefully examine the element for tears before and after cleaning it. Replace the element with a new one if it is torn.

9. Clean any dirt or debris from inside the air cleaner. Be sure no dirt enters the carburetor.
10. Install the foam element into its frame; then place the assembly into position in the housing.

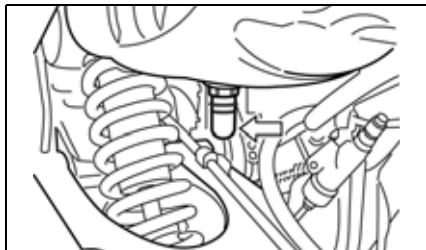


SP013

11. Install the cover and secure with the retaining clips.
12. Install the seat making sure it is properly secured.

AIR FILTER HOUSING DRAIN TUBE

Periodically (weekly) check the drain tube for gasoline or oil accumulation. If noticed, remove the drain tube cap from beneath the housing, drain the gasoline or oil into a suitable container, and install and secure the tube cap.



ATV2035

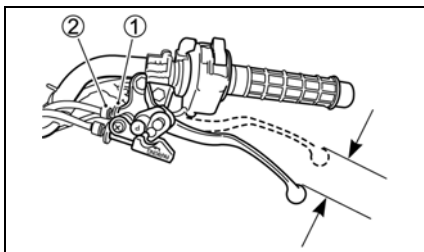
CLUTCH CABLE ADJUSTMENT

The clutch cable free-play should be 10-15 mm (0.4-0.6 in.) when measured at the end of the clutch lever. Use the following procedure to adjust the clutch cable.

Minor Adjustment

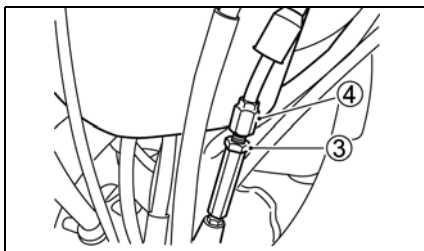
1. Loosen the clutch cable adjuster lock nut (2).

2. Turn the clutch cable adjuster (1) in to increase free-play and out to decrease the free-play; then tighten the lock nut (2).



ATV2046

Major Adjustment (In-Line Adjuster)



ATV2047

1. Loosen the clutch cable in-line adjuster lock nut (3).
2. Turn the clutch cable in-line adjuster (4) to provide the specified free-play; then tighten the lock nut (3).

DRIVE CHAIN CONDITION/ADJUSTMENT

Drive chain condition and adjustment should be inspected each day before you ride. Always follow the guidelines below for inspecting and servicing the drive chain.

WARNING

Failure to inspect and maintain the drive chain can be hazardous. Operating the ATV with the drive chain in poor condition or improperly adjusted can cause an accident resulting in possible injury.

Inspecting Condition

Inspect the drive chain for any of the following conditions.

- Loose pins.
- Loose or cracked rollers.
- Dry or rusted links.
- Kinked or binding links.
- Excessive wear.

The presence of any of the conditions requires drive chain replacement. Take the ATV to an authorized Arctic Cat ATV dealer for this service.

■ **NOTE:** If the drive chain is worn or damaged, the sprockets may also be worn or damaged. Inspect the sprockets for worn, broken, or damaged teeth. Always inspect the sprockets when a new drive chain is being installed.

Cleaning and Lubricating

The drive chain should be cleaned and lubricated frequently to prolong chain and sprocket life. Use the following procedure to clean and lubricate the chain.

■ **NOTE:** This ATV is equipped with an O-ring type roller chain. Each link incorporates small O-rings to seal out water and dirt. Care should be taken to choose cleaning solutions and lubricants that are suitable for O-ring chains.

1. Using a suitable, nonflammable cleaning solution, thoroughly wash the chain and sprockets.

2. Allow the chain to dry; then apply a dry, graphite-based lubricant to the chain.

The drive chain should be lubricated with a dry, graphite-based chain lubricant. By using a dry, graphite-based chain lubricant, dirt buildup on the drive chain will be minimized.

Adjusting Tension

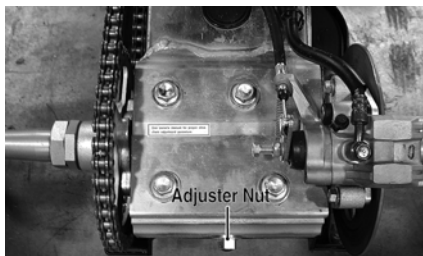
To adjust the drive chain tension, use the following procedure.

1. Loosen the four cap screws on top of the axle housing.

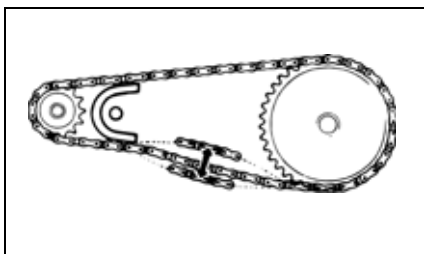


SP061A

2. Turn the adjuster nut on the rear of the axle housing until the chain has 30-40 mm (1.2-1.6 in.) slack midway between the chain buffer and the rear sprocket; then tighten the four cap screws to 10.0 kg-m (72.0 ft-lb).



SP061B



ATV2036

■ **NOTE:** Drive chain adjustments may be done by the ATV owner if qualified to do so. If the owner does not feel qualified, take the ATV to an authorized Arctic Cat ATV dealer for this service.

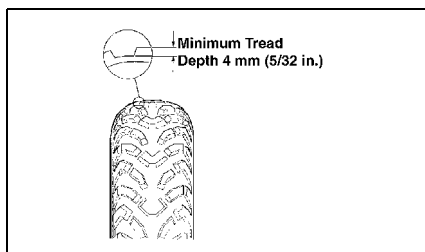
TIRES

WARNING

Always use the size and type of tires as specified. Refer to the appropriate specifications chart for proper tire inflation pressure, and always maintain proper tire inflation pressure.

Tire Tread Condition

The use of worn-out tires on an ATV is very dangerous. A tire is considered to be worn out when the depth of the tread is less than 4 mm (5/32 in.). Be sure to replace the tires before reaching this minimum specification.



732-649A

WARNING

The use of worn-out tires can be dangerous and can increase the risk of an accident.

Tire Replacement

The ATV has low-pressure tubeless tires. Air is sealed by the contact surfaces of the inner wheel rim and the tire bead. If either the inner wheel rim or tire bead is damaged, air may leak. Be extremely careful not to damage these areas when replacing tires.

It is very important to use the proper tools when repairing or replacing tires to prevent damage to the tire bead or wheel rims. If proper tools and related items are not available, have this maintenance performed by an authorized Arctic Cat ATV dealer or a qualified tire repair station.

CAUTION

When breaking the tire bead loose from the wheel, be extremely careful not to damage the inner wheel surface or the tire bead.

WARNING

Use only Arctic Cat approved tires when replacing tires. Failure to do so could result in unstable ATV operation.

Tubeless Tire Repair

Should a leak or flat tire occur due to a puncture, the tire may be repaired using a plug-type repair. If the damage is from a cut or if the puncture cannot be repaired using a plug, the tire must be replaced. When operating the ATV in areas where transportation or service facilities are not readily available, it is strongly recommended to carry a plug-type repair kit and a tire pump along.

WHEEL REMOVAL

1. Park the ATV on level ground and engage the parking brake lock.
2. Loosen the lug nuts on the wheel to be removed.

- Elevate the ATV by placing a jack under the axle.
- Remove the lug nuts.
- Remove the wheel.
- Install the wheel and install the lug nuts.
- Tighten the nuts in a crisscross pattern to 5.0 kg-m (36 ft-lb).

WARNING

Failure to tighten the wheel nuts to the specified torque value can be hazardous. If the wheel nuts are not properly tightened, the wheel can come off causing an accident and possible injury.

- Remove the jack.

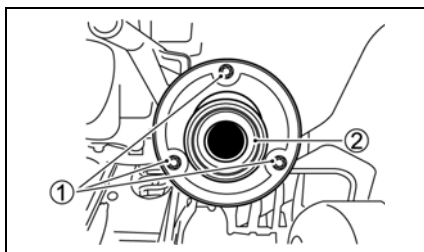
MUFFLER/SPARK ARRESTER

The muffler has a spark arrester which must be periodically cleaned. At the intervals shown in the Maintenance Schedule, clean the spark arrester using the following procedure.

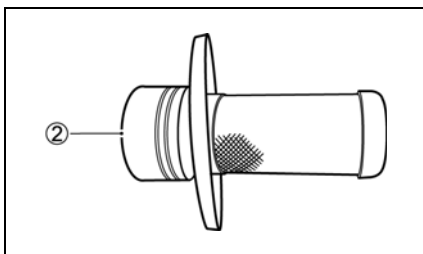
WARNING

Wait until the muffler cools to avoid burns.

- Remove the three Allen-head screws (1) securing spark arrester; then remove the arrester (2).

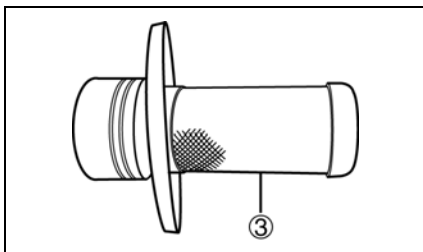


ATV2041



ATV2042

- Using a brush, clean the carbon deposits from the arrester screen (3) taking care not to damage the screen.



ATV2042A

■ **NOTE:** If the screen is damaged in any way, it must be replaced.

- Install the spark arrester and secure with the Allen-head screws.

LIGHT BULB REPLACEMENT

The wattage rating of each bulb is shown in the chart. When replacing a burned bulb, always use the same wattage rating.

Headlight	12V/27W (2)	12V/50W (1)
Taillight/ Brakelight	12V/5W/21W	

CAUTION

Use only specified bulbs indicated in the chart as replacement bulbs.

Headlight

■ **NOTE:** The bulb portion of the headlight is fragile. **HANDLE WITH CARE.** When replacing the headlight bulb, do not touch the glass portion of the bulb. If the glass is touched, it must be cleaned with a dry cloth before installing. Skin oil residue on the bulb will shorten the life of the bulb.

WARNING

Do not attempt to remove the bulb when it is hot. Severe burns may result.

To replace the headlight bulb, use the following procedure.

1. Grasp the bulb housing, turn it counterclockwise, and remove the bulb assembly.
2. Remove the wiring harness connector from the back of the bulb assembly.
3. Install the wiring harness connector on the new bulb assembly.
4. Install the new bulb into the housing and rotate it completely clockwise.

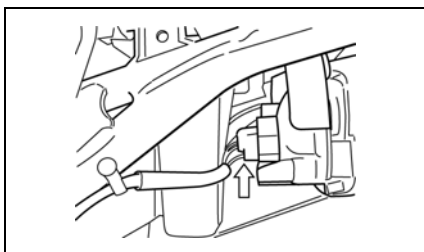
CAUTION

When replacing the headlight bulb, be careful not to touch the glass portion of the bulb. Grasp the new bulb with a clean cloth.

Taillight/Brakelight

To replace the taillight/brakelight bulb, use the following procedure.

1. Turn the socket counterclockwise to remove it from the taillight/brakelight housing.



ATV2043

2. Pull the bulb straight out to remove it from the socket.



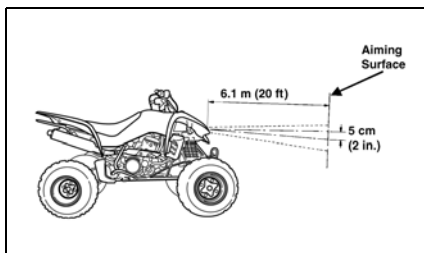
SP087A

3. Install the new bulb by pushing it into the socket.
4. Install the socket into the housing and turn it clockwise firmly.

CHECKING/ADJUSTING HEADLIGHT AIM

The headlight can be adjusted vertically and horizontally. The geometric center of the HIGH beam light zone is to be used for vertical and horizontal aiming.

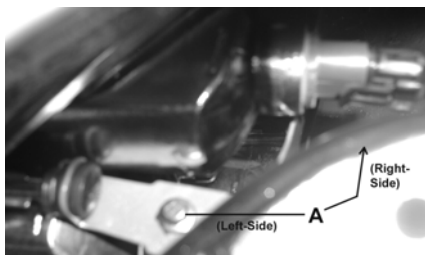
1. Position the ATV on a level floor so the headlight is approximately 6.1 m (20 ft) from an aiming surface (wall or similar aiming surface).



ATV2051B

■ **NOTE:** There should be an average operating load on the ATV when adjusting the headlight aim.

2. Measure the distance from the floor to the mid-point of the headlight.
3. Using the measurements obtained in step 2, make a horizontal mark on the aiming surface.
4. Make a vertical mark which intersects the horizontal mark on the aiming surface directly in front of the headlight.
5. Switch on the lights. Make sure the HIGH beam is on. **DO NOT USE LOW BEAM.**
6. Observe headlight beam aim. Proper aim is when the most intense beam is centered on the vertical mark 5 cm (2 in.) below the horizontal mark on the aiming surface.
7. Adjust headlight until correct aim is obtained.

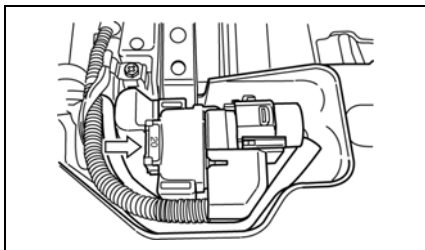


SP095A

- A. Horizontal — Loosen nuts A (left-side and right-side) securing the light bracket; then adjust for proper aiming. Tighten the nuts securely.
- B. Vertical — Loosen nut B and adjust for proper aiming. Tighten the nut securely.

FUSES

The main fuse is located under the seat. A spare 20A fuse is located in the starter relay box under the seat.



ATV2045

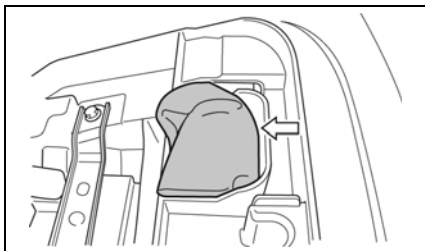
■ **NOTE:** To remove the fuse, compress the locking tabs on either side of the fuse cover and lift off; then remove and replace the fuse.

⚠ CAUTION

Always replace a blown fuse with a fuse of the same type and rating. If the new fuse blows after a short period of use, consult an authorized Arctic Cat ATV dealer immediately.

TOOLS

A basic tool kit, located under the seat, is provided with the ATV.



ATV2025

Maintain the tool kit with the ATV at all times.

PREPARATION FOR STORAGE

CAUTION

Prior to storing the ATV, it must be properly serviced to prevent rusting and component deterioration.

Arctic Cat recommends the following procedure to prepare the ATV for storage. An authorized Arctic Cat ATV dealer should perform this service; however, the owner/operator may perform this service if desired.

1. Clean the seat cushion (cover and base) with a damp cloth and allow to dry.
2. Clean the ATV thoroughly by washing dirt, oil, grass, and other foreign matter from the entire ATV. Allow the ATV to dry thoroughly. **DO NOT** get water into any part of the engine or air intake.
3. Either drain the gas tank or add a fuel stabilizer to the gas in the gas tank. Remove the air filter housing cover and air filter. Start the engine and allow it to idle; then using Arctic Cat Engine Preserver, rapidly inject the preserver into the air filter opening for a period of 10 to 20 seconds. Install the air filter and housing cover.

CAUTION

If the interior of the air filter housing is dirty, clean the area before starting the engine.

4. Drain the carburetor float bowl.
5. Plug the hole in the exhaust system with a clean cloth.
6. Apply light oil to the upper steering post bushing, plungers of the shock absorbers, and drive chain.

7. Tighten all nuts, bolts, cap screws, and screws. Make sure rivets holding components together are tight. Replace all loose rivets. Care must be taken that all calibrated nuts, cap screws, and bolts are tightened to specifications.

8. Fill the cooling system to the bottom of the stand pipe in the radiator neck with properly mixed coolant.

9. Disconnect the battery cables (negative cable first); then remove the battery, clean the battery posts and cables, and store in a clean, dry area.

CAUTION

This maintenance-free battery requires periodic charging to prevent sulfiding. If the ATV will be idle for extended periods of time, either run the engine or trickle charge from time to time. If the battery completely discharges, permanent damage will occur requiring replacement.

10. Store the ATV indoors in a level position.

CAUTION

Avoid storing outside in direct sunlight and avoid using a plastic cover as moisture will collect on the ATV causing rusting.

PREPARATION AFTER STORAGE

Taking the ATV out of storage and correctly preparing it will assure many miles and hours of trouble-free riding. Arctic Cat recommends the following procedure to prepare the ATV.

1. Clean the ATV thoroughly.
2. Clean the engine. Remove the cloth from the exhaust system.
3. Check all control wires and cables for signs of wear or fraying. Replace if necessary.
4. Change the engine oil and filter.
5. Check the coolant level and add properly mixed coolant as necessary.
6. Charge the battery; then install. Connect the battery cables making sure to connect the positive cable first.
7. Check the entire brake systems (fluid level, pads, etc.), all controls, headlights, taillight, brakelight, and headlight aim; adjust or replace if necessary.
8. Check the tire pressure. Inflate to recommended pressure as necessary.
9. Tighten all nuts, bolts, cap screws, and screws making sure all calibrated nuts, cap screws, and bolts are tightened to specifications.
10. Make sure the steering moves freely and does not bind.
11. Check the spark plug. Clean or replace as necessary.
12. Follow the recommendations found in the Starting the Engine sub-section in Division I of this manual.

LIMITED WARRANTY

Arctic Cat Inc. (hereinafter referred to as Arctic Cat) extends a limited warranty on each new Arctic Cat ATV it manufactures and on each genuine Arctic Cat ATV part and accessory manufactured or sold by an authorized Arctic Cat ATV dealer. Warranty on an Arctic Cat ATV is extended to the original retail purchaser; however, the balance of the unused warranty may be transferred to a second party.

Arctic Cat warrants only the products it manufactures and/or sells and does not warrant that other products will function properly when used with an Arctic Cat ATV or will not damage the ATV. Arctic Cat does not assume any liability for incidental or consequential damages.

Arctic Cat will repair or replace, at its option, free of charge (including any related labor charges), any parts that are found to be warrantable in material or workmanship. This repair work **MUST** be done by an authorized Arctic Cat ATV dealer. No transportation charges will be paid by Arctic Cat. The warranty is validated upon examination of said parts by Arctic Cat or an authorized Arctic Cat ATV dealer. Arctic Cat reserves the right to inspect such parts at its factory for final determination if warranty should apply.

The warranty periods are as follows:

1. Six months from the date of sale — for an Arctic Cat ATV used for recreational purposes.
2. Six months from date of sale — for batteries on full exchange basis.
3. Thirty days from date of sale — for all dealer installed parts and accessories.
4. Until expiration of the new product warranty — for all eligible replacement parts.

Exclusions to this warranty include normal wear, abuse, or corrosion and the following parts and items:

Tires	Drive Chain	Light Bulbs	Air Filter
Oil Filter	Cables	Spark Plug	Brake Pads
Torn or Punctured Upholstery			
Cracks or Gouges in Body Panels		Clutch Wear Parts (bushings, etc.)	

The following will VOID Arctic Cat's warranty:

1. Failure to perform the proper break-in procedure and all related maintenance, storage procedures (if stored for extended periods), and service as recommended in the Operator's Manual.
2. Repair by anyone other than an authorized Arctic Cat ATV dealer.
3. An ATV used for commercial purposes, including rentals.
4. Use of improper carburetor jets.
5. Use of improper gasoline, lubricating oils, or spark plug.
6. An accident or subjecting the ATV to misuse, abuse, or negligent operation.
7. Any modification or removal of parts (i.e. muffler, carburetor boot, etc.) unless instructed to do so by Arctic Cat.
8. Use of the ATV in any way for racing purposes.
9. Removal of the engine for use in another vehicle.
10. Removal or mutilation of the Vehicle Identification Number or Engine Serial Number.
11. Use of parts not sold or approved by Arctic Cat.
12. Damage due to improper transportation.

In consideration of the foregoing, any implied warranty is limited in duration to the various warranty periods set forth. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or country to country. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

WARRANTY PROCEDURE/ OWNER RESPONSIBILITY

At the time of sale, an ATV Rider Training Certificate and Owner Registration form (included with each new ATV) is to be completed by the selling dealer and consumer. The receipt of the form by Arctic Cat is a condition precedent to warranty coverage. It is the selling dealer's responsibility to retain and/or submit appropriate copies of the form to the appropriate place(s) to initiate warranty coverage.

The dealer will furnish to the consumer a signed copy of the form which must be presented to the dealer when requesting warranty service. The registration form is the consumer's proof of ownership and warranty eligibility. The form is used by the dealer to validate the warranty claim. Retain your copy of the form and keep it in a safe place.

When warranty repair is suspected, the ATV should be taken to the selling dealer, who has the primary responsibility to perform warranty repairs. In the event the selling dealer has ceased to do business, you have moved, or you are in a location away from your selling dealer, warranty may be performed by any authorized Arctic Cat ATV dealer.

The authorized Arctic Cat ATV dealer will examine the ATV or part to determine if, in his opinion, a warrantable condition exists. If a warrantable condition appears to exist, the dealer will repair or replace, at Arctic Cat's option, free of charge, including any related labor costs, all parts that are found to be warrantable and any other parts which the warrantable part caused to be damaged. You, the owner, will then be asked to sign a warranty form to ensure Arctic Cat that the warranty work was actually performed.

It is the owner's responsibility to maintain and service the ATV in accordance with Arctic Cat's recommendations in the Operator's Manual. To protect yourself and your ATV, follow all safety and service tips. **Arctic Cat will NOT warrant repairs required as a result of not performing standard operator maintenance, storage procedures, and service as outlined in the Operator's Manual.**

Should you have any questions concerning the warranty, contact an authorized Arctic Cat ATV dealer.

Arctic Cat Inc., P.O. Box 810, Thief River Falls, MN 56701 (218) 681-8558

CHANGE OF ADDRESS, OWNERSHIP, OR WARRANTY TRANSFER

Arctic Cat Inc. keeps on file the current name and address of the owner of this ATV. This will allow Arctic Cat to reach the current owner with any important safety information which may be necessary to protect customers from personal injury or property damage. Please make sure a copy of this form is completed and returned to Arctic Cat Inc. if you move or if the ATV is sold to another party.

This form may also be used to transfer the unused portion of the original warranty to a second party. In order to transfer warranty, fill out this form completely; then return a copy of this form to Arctic Cat Inc. Arctic Cat will then process the application and issue warranty for the balance of the time remaining of the original warranty.

Address Change ☐

Ownership Change ☐

Warranty Transfer ☐

CHANGE OF ADDRESS/OWNERSHIP/ WARRANTY TRANSFER TO:

Name _____

Address _____

City/State (Province)/Zip Code (Postal Code) _____

Phone # () _____

Year and Model ATV _____

Vehicle Identification Number (VIN) _____

Before operating, you should take an ATV Rider Course to learn ATV riding skills or reinforce your current good riding skills. In U.S.A., call 1-800-887-2887 to enroll in the half-day ATV Rider Course nearest you or ask your dealer for assistance. The course instructor will charge a small fee for each person taking the course. In Canada, call (613) 739-1535.

Avant d'utiliser le véhicule, vous devriez prendre un cours d'instruction VTT pour maîtriser les techniques ou pour renforcer ceux que vous avez. Pour le Canada, composez le (613) 739-1535.

Fold Back

Place
Stamp
Here

CHANGE OF ADDRESS/OWNERSHIP

**ARCTIC CAT INC.
PRODUCT SERVICE AND
WARRANTY DEPT.
P.O. BOX 810
THIEF RIVER FALLS, MN 56701**

ARCTIC CAT ATV EMISSION CONTROL WARRANTY STATEMENT

Warranty Rights and Obligations

Arctic Cat Inc. (hereinafter referred to as Arctic Cat) and the California Air Resources Board are pleased to explain the emission control system warranty for each new Arctic Cat ATV sold in the state of California. In California, a new ATV must be designed, built, and equipped to meet the state's stringent anti-smog standards.

Arctic Cat warrants the emission control system on the Arctic Cat ATV for the periods listed below provided there has been no abuse, neglect, or improper maintenance of the ATV.

The emission control system may include components such as the carburetor, ignition system, and crankcase ventilation system. Also included may be hoses, belts, connectors, and other emission-related assemblies.

When a warrantable condition exists, Arctic Cat will repair the ATV at no cost to the owner, including diagnosis, parts, and labor.

Emission Control Warranty Coverage

A new Arctic Cat ATV manufactured after January 1, 1997 has a two (2) year warranty on its emissions control components.

If an emission-related component on the ATV is defective, the component will be repaired or replaced by any authorized Arctic Cat ATV dealer.

Owner's Emission Control Warranty Responsibilities

It is the owner's responsibility to perform the required maintenance listed in the Operator's Manual. Arctic Cat recommends the retention of all receipts covering maintenance performed on the ATV, but Arctic Cat cannot deny warranty solely for the lack of receipts or for failure to ensure the performance of all scheduled maintenance on the emission control system.

It is the owner's responsibility to present the ATV to an authorized Arctic Cat ATV dealer as soon as a problem exists. The undisputed warranty repairs should be completed within a reasonable period of time, not to exceed thirty days.

The ATV owner should be aware that Arctic Cat may deny warranty coverage if either the ATV or a component has failed due to abuse, neglect, improper maintenance, or any unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, contact either Arctic Cat Inc, P.O. Box 810, Thief River Falls, MN 56701, (218) 681-4999 or the California Air Resources Board, 9528 Telstar Avenue, El Monte, CA 91731, (818) 575-6800.

ARCTIC CAT EMISSION CONTROL SYSTEM LIMITED WARRANTY

Arctic Cat Inc., P.O. Box 810, Thief River Falls, MN 56701 (hereinafter referred to as Arctic Cat) warrants that this new Arctic Cat ATV manufactured on or after January 1st, 1997:

- A. Is designed, built, and equipped so as to conform at the time of initial purchase with all applicable regulations of the California Air Resources Board and
- B. Is free from defects in material and workmanship which could cause such ATV to fail to conform with applicable regulations of the California Air Resources Board for a period of use of two (2) years from the date of initial retail delivery.

Coverage

Warranty defects shall be remedied during customary business hours at any authorized Arctic Cat ATV dealer located within the state of California in compliance with applicable regulations of the California Air Resources Board. Any component or components replaced under this warranty shall become the property of Arctic Cat.

In California, emission related warranted components are specifically defined by the state's Emission Warranty Parts List. These warranted components are carburetor and internal components, intake manifold, fuel injection system, spark advance mechanism, crankcase breather, air cutoff valve, fuel/vapor separator, canister, igniters, breaker governors, ignition coils, ignition wires, ignition points, condensers and spark plugs if failure occurs prior to the first scheduled replacement, and hoses, clamps, and fittings used directly in these parts. Since emission related components may vary from model to model, certain models may not contain all of these components, and certain models may contain functionally equivalent components.

In California, emission control system emergency repairs, as provided for in the California Administrative Code, may also be performed by other than an authorized Arctic Cat ATV dealer. An emergency situation occurs when an authorized Arctic Cat ATV dealer is not reasonably available, a component is not available within thirty (30) days, or a repair is not complete within thirty (30) days. Any replacement component can be used in an emergency repair. Arctic Cat will reimburse the owner for the expenses, including diagnosis, not to exceed suggested retail price as set forth by Arctic Cat for all warranted components replaced and labor charges based on the recommended time allowance set forth by Arctic Cat for the warranty repair and the geographically appropriate hourly labor rate. The owner may be required to keep receipts and failed components in order to receive compensation.

Limitations

This Emission Control System Warranty shall not cover any of the following:

- A. Repair or replacement required as a result of
 - (1) accident,
 - (2) misuse,
 - (3) lack of required maintenance,
 - (4) repairs improperly performed or replacements improperly installed,
 - (5) use of replacement components or accessories not conforming to Arctic Cat specifications which adversely affect performance, and/or
 - (6) use in competitive racing or related events.
- B. Inspections, replacement of components, and other services or adjustments necessary for required maintenance.

Limited Liability

The liability of Arctic Cat under this Emission Control System Warranty is limited solely to the remedying of defects in material and workmanship by an authorized Arctic Cat ATV dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the ATV or transportation of the ATV to or from the Arctic Cat ATV dealer.

ARCTIC CAT SHALL NOT BE LIABLE FOR ANY OTHER EXPENSES, LOSS, OR DAMAGE, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY, ARISING IN CONNECTION WITH THE SALE OR USE OF, OR INABILITY TO USE THE ARCTIC CAT ATV FOR ANY PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE MAY NOT APPLY TO YOU.

NO EXPRESS EMISSION CONTROL SYSTEM WARRANTY IS GIVEN BY ARCTIC CAT EXCEPT AS SPECIFICALLY SET FORTH HEREIN. ANY EMISSION CONTROL SYSTEM WARRANTY IMPLIED BY LAW, INCLUDING ANY WARRANTY OF MERCHANT-ABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE EXPRESS EMISSION CONTROL SYSTEM WARRANTY TERMS STATED IN THIS WARRANTY. THE FOREGOING STATEMENTS OF WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHER REMEDIES.

No dealer is authorized to modify this Arctic Cat Inc. Limited Emission Control System Warranty.

Legal Rights

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

THIS WARRANTY IS IN ADDITION TO THE ARCTIC CAT INC. LIMITED ATV WARRANTY.

Additional Information

Any replacement component that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. However, Arctic Cat is not liable for these components. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any individual. The warranty period begins on the date the ATV is delivered to the owner.

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NOTES

MAINTENANCE RECORD

[illegible]

MAINTENANCE RECORD

[illegible]

Identification Numbers Record

WARNING

Indicates a potential hazard that could result in serious injury or death.



1. KEY IDENTIFICATION NUMBER:

The key identification number is stamped on the key as shown in the illustration. Record this number in the space provided for reference if you ever need a new key.

2. VEHICLE IDENTIFICATION NUMBER:

3. ENGINE SERIAL NUMBER:

Record the Vehicle Identification Number and Engine Serial Number in the spaces provided to assist you in ordering parts from your authorized Arctic Cat ATV dealer or for reference in case the ATV is stolen.



WARNING

Improper ATV use can result in SEVERE INJURY or DEATH



**ALWAYS USE
AN APPROVED
HELMET AND
PROTECTIVE
GEAR**



**NEVER USE
ON PUBLIC
ROADS**



**NEVER CARRY
PASSENGERS**



**NEVER USE
WITH DRUGS
OR ALCOHOL**

NEVER operate:

- without proper training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger - passengers affect balance and steering and increase risk of losing control

ALWAYS:

- use proper riding techniques to avoid ATV overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control

**LOCATE AND READ OPERATOR'S MANUAL
FOLLOW ALL INSTRUCTIONS AND WARNINGS**

Dealer Imprint