



ski-doo



OPERATOR'S GUIDE

*Includes Safety,
Use and Maintenance Information*

GRAND TOURING ELECTRIC

2024

WARNING

Read this operator's guide thoroughly.
It contains important safety information.

Minimum recommended operator age: 16 or older.
Keep this operator's guide with the vehicle at all times.

520003088
Revision A

⚠ WARNING

This vehicle may exceed the performance of other vehicles you may have ridden in the past. Take time to familiarize yourself with your new vehicle.

CALIFORNIA PROPOSITION 65 WARNING

⚠ WARNING

Operating, servicing and maintaining an off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.p65warnings.ca.gov/products/passenger-vehicle.

⚠ WARNING

Battery posts, terminals and related accessories contain lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, wear gloves or wash your hands frequently when servicing your vehicle. For more information, go to www.P65Warnings.ca.gov

In Canada, products are distributed and serviced by Bombardier Recreational Products Inc. (BRP). In the USA, products are distributed and serviced by BRP US Inc. In the European Economic Area (which is comprised of the member states of the European Union plus the United Kingdom, Norway, Iceland and Liechtenstein), the Commonwealth of the Independent States (including Ukraine and Turkmenistan) and Turkey, products are distributed and serviced by BRP European Distribution S. A. and other affiliates or subsidiaries of BRP. For all other countries, products are distributed and serviced by Bombardier Recreational Products Inc. (BRP) or its affiliates.

TM® Trademarks of BRP or its affiliates. This is a non-exhaustive list of trademarks that are the property of Bombardier Recreational Products Inc. or its affiliates. Trademarks may not be registered in every jurisdictions:

BRP GO®	D.E.S.S.™	HPG™
iTC™	LinQ®	RERT™
ROTAX E-POWER™	SKI-DOO®	XPS®

All rights reserved. No parts of this Operator's Guide may be reproduced in any form without the prior written permission of Bombardier Recreational Products Inc. ©Bombardier Recreational Products Inc. (BRP) 2023

TABLE OF CONTENTS

GENERAL INFORMATION.....	8
SAFETY INFORMATION	14
ELECTRIC VEHICLE (EV) OVERVIEW.....	71
VEHICLE INFORMATION	90
MAINTENANCE.....	163
TECHNICAL INFORMATION.....	218
TECHNICAL SPECIFICATIONS	229
TROUBLESHOOTING	235
WARRANTY	242
CUSTOMER INFORMATION	249
INDEX	261

TABLE OF CONTENTS

GENERAL INFORMATION	
GENERAL INFORMATION	8
Know Before You Go	8
Safety Messages	9
About this Operator's Guide	9
Respect of the Environment	11
SAFETY INFORMATION	
BEFORE YOU GO	14
Operating Age and Ability	14
Drugs and Alcohol	14
Avalanche Safety Training Courses	15
Protective Gear	15
Required Equipment	16
Emergency Response	16
Hazardous Materials	17
GET FAMILIAR WITH THE SNOWMOBILE	18
Track Propulsion System	18
Steering	19
Tether Cord	19
Braking	20
Parking Brake	20
Programmable D.E.S.S. Key	20
Carrying Loads	21
Accessories and Modifications	21
RIDE SAFELY	23
Rider Position (Forward Operation)	23
Rider Position (Reverse Operation)	26
Riding with Passenger(s)	26
Riding Alone	27
Riding in a Group	28
Avoiding Collisions	31
Riding Behaviors	31
Speeding	32
Moving Parts	32
Know Terrain and Riding Variations	33
Respect of the Wildlife	39
PRACTICE EXERCISES	39
Where to Practice Exercises	39
Exercises to Practice	40
TRANSPORTING THE VEHICLE	43
Pushing or Pulling the Vehicle	46
IMPORTANT ON-PRODUCT LABELS (CANADA/UNITED STATES)	48
Vehicle Safety Labels	48
REPORTING SAFETY DEFECTS	67

SKI-DOO GRAND TOURING ELECTRIC

PRE-RIDE INSPECTION	68	REGENERATIVE BRAKING	86
Before Starting	68	PERFORMANCE GAUGE	87
After Starting	68	VEHICLE RANGE	88
Pre-Ride Check List	69	DIFFERENCES BETWEEN ELECTRIC VEHICLES AND VEHICLES WITH INTERNAL COMBUSTION ENGINES	89
ELECTRIC VEHICLE (EV) OVERVIEW		VEHICLE INFORMATION	
HIGH VOLTAGE COMPONENTS	71	VEHICLE DEACTIVATION CLASSIFICATION	90
LITHIUM-ION HIGH-VOLTAGE PROPULSION BATTERY	73	EV 00 - Category Description	90
Battery Management System (BMS)	74	EV 00 - Safe Working Procedures	91
CHARGING	74	EV 01 - Category Description	93
Charging Port Connection	75	EV 01 - Safe Working Procedures	94
Electric Vehicle Supply Equipment (EVSE)	76	PRIMARY CONTROLS	98
Charging the Vehicle	77	Handlebar	98
Stopping Charging	79	Accelerator Lever	99
Charging Best Practices	80	Emergency Stop Switch	102
Charging Status and Battery State of Charge	81	Brake Lever	104
Power Sources	82	Parking Brake Lever	108
STARTING AND DRIVING	83	Vehicle Cut-Off Switch	109
Starting the Vehicle	83	SECONDARY CONTROLS	111
Switching to and from Reverse	84	Handlebar Multifunction Switch	111
Standby Mode	85		
Turning OFF the Vehicle	85		

TABLE OF CONTENTS

Passenger Heated Grip Switch	113	Tell-Tales and Indicators	140
BODY AND SEAT	114	Pairing your Smartphone via Bluetooth	143
Front and Rear Bumpers	114	Messages in Multifunction Display	144
Windshield	116	BRP GO! App	145
Adjustable Mirrors (if equipped)	118	Quick Tour of the BRP GO! App	146
Front Storage Compartment	119	RIDING CONDITIONS AND YOUR SNOWMOBILE	147
Side Panels	120	Hard Packed Snow	147
Upper Body Module	122	TUNE YOUR RIDE	148
Seat	125	Front Suspension Adjustments	150
EQUIPMENT	128	Rear Suspension Adjustments	152
Operator's Guide	128	Adjustment Tips According to Vehicle Behavior	161
Heated Cellphone Case (if equipped)	128		
Power Outlet - USB (if equipped)	129		
Adjustable Handlebar Riser (if equipped)	129		
Electric Visor Jack Connector (if equipped)	130		
Tools	130		
10.25" COLOR TOUCHSCREEN DISPLAY	132		
Default Display	132		
Navigating the Multifunction Display	133		
Center Display	133		
Narrow View Display	134		
Applet Menu	135		
Quick Preferences	140		
		MAINTENANCE	
		MAINTENANCE SCHEDULE	163
		Trail / Crossover / Utility Usage	163
		Maintenance Schedule	163
		MAINTENANCE PROCEDURES	169
		Coolant	169
		Brake Fluid	171
		Chaincase Oil	176
		Drive Chain	180
		Track	180
		Suspension	190

TABLE OF CONTENTS

WHAT TO DO TO OBTAIN WARRANTY COVERAGE	247
WHAT BRP WILL DO	248
TRANSFER	248
CONSUMER ASSISTANCE	248

CUSTOMER INFORMATION

DATA PRIVACY INFORMATION	249
CONTACT US	252
Europe, Middle East and Africa	252
North America	253
CHANGE OF ADDRESS/OWNERSHIP	253

SKI-DOO GRAND TOURING ELECTRIC

Deutsch	Dieses Handbuch ist möglicherweise in Ihrer Landessprache verfügbar. Bitte wenden Sie sich an Ihren Händler oder besuchen Sie: www.operatorsguides.brp.com
English	This guide may be available in your language. Check with your dealer or go to: www.operatorsguides.brp.com
Español	Es posible que este manual esté disponible en su idioma. Consulte a su distribuidor o visite: www.operatorsguides.brp.com
Français	Ce guide peut être disponible dans votre langue. Vérifier avec votre concessionnaire ou aller à: www.operatorsguides.brp.com
Italiano	Questa guida potrebbe essere disponibile nella propria lingua. Contattare il concessionario o consultare: www.operatorsguides.brp.com
中文	本手册可能有您的语种的翻译版本。请向经销商询问，或者登录 www.operatorsguides.brp.com 查询。
日本語	このガイドは、言語によって翻訳版が用意されています。ディーラーに問い合わせるか、次のアドレスでご確認ください： www.operatorsguides.brp.com
Nederlands	Deze handleiding kan beschikbaar zijn in uw taal. Vraag het aan uw dealer of ga naar: www.operatorsguides.brp.com
Norsk	Denne boken kan finnes tilgjengelig på ditt eget språk. Kontakt din forhandler eller gå til: www.operatorsguides.brp.com
Português	Este manual pode estar disponível em seu idioma. Fale com sua concessionária ou visite o site: www.operatorsguides.brp.com
Русский	Воспользуйтесь руководством на вашем языке. Узнайте о его наличии у дилера или на странице по адресу www.operatorsguides.brp.com
Suomi	Käyttöohjekirja voi olla saatavissa omalla kielelläsi. Tarkista jälleenmyyjältä tai käy osoitteessa: www.operatorsguides.brp.com
Svenska	Denna bok kan finnas tillgänglig på ditt språk. Kontakta din återförsäljare eller gå till: www.operatorsguides.brp.com

GENERAL INFORMATION

GENERAL INFORMATION

Congratulations on your purchase of a new BRP snowmobile. Whatever model you have chosen, it is backed by the Bombardier Recreational Products Inc. (BRP) warranty and a network of authorized BRP snowmobile dealers ready to provide the parts, service or accessories you may require.

Your dealer is committed to your satisfaction. He has taken training to perform the initial set-up and inspection of your snowmobile as well as completed the final adjustment required to suit your specific weight and riding environment before you took possession.

At delivery, you were informed of the warranty coverage and signed the Pre-delivery Check List to ensure your new vehicle was prepared to your entire satisfaction.

Know Before You Go

To learn how to reduce the risk for you, your passenger or bystanders being injured or killed, read the following sections before you operate the vehicle:

- *Safety Information*
- *Vehicle Information*
- *Electric Vehicle Overview*

Also read all safety labels on your snowmobile and watch attentively the safety video located at:

www.ski-doo.com/safety.

Or, use the following QR code.



SKI-DOO GRAND TOURING ELECTRIC

Safety Messages

This operator's guide utilizes the following symbols and words to emphasize particular information:

! This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

! DANGER

Indicates a potential hazard which if not avoided, will result in serious injury or death.

! WARNING

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

! CAUTION

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

NOTICE

Indicates installation, operation, or maintenance information which is important but not hazard-related. In some cases, if not followed, vehicle components or other properties could be severely damaged.

About this Operator's Guide

This operator's guide has been prepared to acquaint the owner, operator and passenger with this snowmobile and its various controls, maintenance and safe riding instructions.

GENERAL INFORMATION

The following terminology in regards to operator, passenger and vehicle configuration is used as follows throughout this guide:

- **Operator:** refers to the person being behind the controls and driving the snowmobile.
- **Passenger:** refers to a person sitting behind the operator.
- **1-UP:** refers to a model designed for an operator only.
- **2-UP:** refers to a model designed to accommodate **one** passenger.

Keep this operator's guide in the vehicle at all times, either in the glove box or its water-tight designated location, as you can refer to it for operation, instructing others, maintenance and troubleshooting.

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

If you want to view and/or print an extra copy of your operator's guide, simply visit the following website:

www.operatorsguides.brp.com

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

This operator's guide should remain with the vehicle when it's sold and transferred to the new owner at the time of sale.

SKI-DOO GRAND TOURING ELECTRIC

Respect of the Environment

The guidelines that we support are not designed to limit your snowmobiling fun, but to preserve the beautiful freedom that you can experience only on a snowmobile! These guidelines will keep snowmobilers healthy, happy and able to introduce others to what they know and enjoy about their favorite winter pastime. So, the next time you hit the trails on a cool, crisp and clear winter day, we ask you to remember that you are paving the way for the future of our sport. Help us lead it down the right path! From all of us at BRP, thank you for doing your share.

There is nothing more exhilarating than snowmobiling. Venturing onto snowmobile trails that cross wild areas is an exciting and healthy winter sport. However, as the number of people using these recreational parks increases, so does the potential for

damage to the environment. Abuse of land, facilities and resources inevitably leads to restrictions and closures of both private and public land.

In essence, the greatest threat to our sport is all around us. Which leaves us with one logical choice. When we snowmobile, we must always ride responsibly.

The vast majority respect the law and the environment. Each of us must set an example for those who are new to the sport, young and old alike.

It is in everyone's best interest to tread lightly into our recreational areas. Because, in the long run, to protect the sport we must preserve the environment.

Recognizing the importance of this issue and the need for snowmobilers to do their share in preserving areas that make it possible to enjoy our sport, BRP has developed the "Light Treading Is Smart Sledding" campaign for snowmobilers.

GENERAL INFORMATION

Light Treading refers to more than the thread of our tracks. It's a statement of concern, respect and willingness to take the lead and take action. It applies to the environment in general, its proper care and maintenance, its natural inhabitants and all enthusiasts and the public at large who enjoy the great outdoors. With this theme, we invite all snowmobilers to remember that respecting the environment is not only critical to the future of our industry, but to future generations.

Light Treading in no way suggests you should curb your appetite for snowmobiling fun! It simply means tread with respect!

The fundamental objective of Light Treading is one of respect for where and how you ride a snowmobile. You're a light treader when you follow the principles below.

Become informed. Obtain maps, regulations and other information from the Forest Service or from other public land agencies. Learn the rules and follow them – and that goes for speed limits, too!

Avoid running over young trees, shrubs, and grasses, and don't cut wood. On flatlands or areas where trail riding is popular, it's important to ride only where authorized. Remember, there is a link between protecting your environment and your own safety.

Respect wildlife and be particularly sensitive of animals that are rearing young or suffering from food shortage. Stress can sap scarce energy reserves. Refrain from riding in areas where only animals are intended to tread!

Obey gate closures and regulatory signs and remember, light treaders don't litter!

Stay out of wilderness areas. They're closed to all vehicles. Know where the boundaries are.

SKI-DOO GRAND TOURING ELECTRIC

Obtain permission to travel across private land. Respect the rights of landowners and other people's privacy. Remember, snowmobile technology has lowered the noise factor considerably, and electric snowmobiles are even quieter, but you still should be mindful where quiet "is the order of the day."

Snowmobilers know all too well the efforts that have been made throughout the sport's history to enjoy access to areas where people can snowmobile safely and responsibly. This effort continues today, as strong as ever.

Respecting the areas where we ride, wherever they may be, is the only way to ensure their future enjoyment. That's one major reason why we know you'll agree that Light Treading is Smart Sledding! And there are more.

Enjoying the opportunity to see winter and all its natural majestic wonders is an experience cherished by snowmobilers. Light Treading will preserve this opportunity and make it possible for us to expose others to the beauty of winter and the unique thrill of our sport! Light Treading will help our sport to grow!

Finally, Light Treading is the sign of a smart snowmobiler. You don't have to leave big tracks or careen through a virgin forest to show you can ride. So whether you're driving a high performance BRP snowmobile or any other make or model, show you know what you're doing. Show you know how to send snow flying and make tracks with a light touch!

SAFETY INFORMATION

BEFORE YOU GO

WARNING

Disregarding any of the safety precautions and instructions contained in this section could cause injury including the possibility of death.

Operating Age and Ability

Operators must be qualified. Make sure the operator is 16 or older. Your state (or province) may have additional requirements. Laws regarding the minimum age and licensing requirements vary from one jurisdiction to another. Be sure to contact the local authorities for information regarding the legal operation of a snowmobile in the intended jurisdiction of use. BRP highly recommends that you take a safety riding course. Basic training is required for the safe operation of any snowmobile.

Operation of this snowmobile with a disability that impairs vision, reaction time, judgment, or operation of the controls is not recommended. The safe use of your snowmobile depends on many conditions such as visibility, speed, weather, environment, traffic, vehicle condition and the condition of the operator. The performance of some snowmobiles may significantly exceed that of other snowmobiles you have operated. Therefore, use by novice or inexperienced operators is not recommended.

Each passenger must be able to simultaneously place both feet firmly flat against each footboard when properly seated.

Drugs and Alcohol

Never ride after consuming alcohol or drugs. Riding on a snowmobile requires the operator and passenger to be sober, attentive and alert. The use of drugs and alcohol, singly or in combination, increases reaction time, impedes judgment, impairs vision and inhibits your ability to safely ride on a snowmobile.

SKI-DOO GRAND TOURING ELECTRIC

Avalanche Safety Training Courses

We recommend that all mountain riders take a local avalanche safety training course to become more familiar with snow conditions and learn how to properly use their equipment. Here are some websites that can help you find important information:

- – US: www.avalanche.org
- – Europe: www.avalanches.org
- – Canada: www.avalanche.ca

Protective Gear

Proper snowmobile clothing should be worn by all riders. It should be comfortable and not too tight. Always check the weather forecast before going on a ride. Dress for the coldest weather expected. Thermal underwear next to the skin also provides a good insulation.

Always wear an approved helmet at all times for safety and comfort. They provide warmth and reduce injury. A stocking type cap, balaclava and face mask should always be carried or worn. Goggles or a face shield that attach to the helmet are indispensable.

Hands should be protected by a pair of snowmobile gloves or mitts which have sufficient insulation and allow use of thumbs and fingers for operation of controls.

Wear boots designed for snowmobiling.

You should keep yourself as dry as possible when snowmobiling. When you come indoors, take your snowmobile suit and boots off and make certain they dry properly.

Do not wear a long scarf or loose apparels that could get caught in moving parts.

Carry colored lens goggles.

SAFETY INFORMATION

Required Equipment

As the owner of the snowmobile, you are responsible for ensuring that all required safety equipment is aboard. Check your local regulations about requirements.

First aid kit	Provided tool kit
Cell phone	Knife
Flashlight	Adhesive tape (duct tape)
Trail map	Snack
Probe*	Shovel*
Avalanche beacon*	
*When riding in an area with avalanche risk	

Emergency Response

BRP electric snowmobiles are equipped with safety features for your protection. In the event of an incident, accident or submersion in water additional precautions are required to protect yourself from the high-voltage hazards.

If this occurs, stop using the vehicle. The vehicle should be inspected by a BRP dealer prior to next ride. Contact local emergency service for immediate assistance.

SKI-DOO GRAND TOURING ELECTRIC

DANGER

The lithium-ion high-voltage propulsion battery or high-voltage components can cause electrical shock and/or fire when damaged. Do not disconnect or touch any exposed connections and/or damaged components with bare fingers, non-insulated tools or other metallic objects.

Contact with high-voltage current will cause serious injury or death.

A damaged lithium-ion high-voltage battery can leak electrolyte and/or generate flammable gas. Contact with electrolyte will cause serious injury, rinse the affected area with water and seek for immediate medical attention.

The vehicle high-voltage system must be disabled using the First Responder Cut Loop (FRCL) located under the left side body panel. The FRCL usage is

reserved to the emergency personnel or first responder only. The electric snowmobile should only be lifted or manipulated by personnel properly trained, equipped and advised that the vehicle presents high-voltage hazards.

Additional information can be found in the vehicle's *Emergency Response Guide* available at this address:

- <https://operatorsguides.brp.com/>

Hazardous Materials

Lithium-ion high-voltage propulsion batteries are considered hazardous materials. Special care are required for BRP electric snowmobiles or high-voltage propulsion batteries disposal. Refer to local regulations regarding shipping or recycling requirement for hazardous materials. Contact an authorized BRP dealer for additional information.

SAFETY INFORMATION

GET FAMILIAR WITH THE SNOWMOBILE

This vehicle may exceed the performance of other vehicles you may have ridden. Take time to familiarize yourself with your new vehicle.

Inexperienced riders may overlook risks and be surprised by the vehicle's specific behavior and terrain conditions. Ride slowly. Excessive speed and reckless driving can kill.

Make sure you read and understand the content of this operator's guide to become completely familiar with the controls and operation of the snowmobile before embarking on your first trip or taking on a passenger. If you have not had the opportunity to do so, practice driving solo in a suitable traffic-free area to become accustomed to the feel and response of each control.

It is very important to inform any operator, regardless of his experience, of the handling characteristics of this snowmobile. The snowmobile configuration, such

as ski stance, ski type, suspension type, track length, width and type vary from one model to another. The snowmobile handling is greatly influenced by these characteristics.

Track Propulsion System

Your snowmobile features a track propulsion system. The track grips on the snow-covered surface and pushes the snowmobile in the opposite direction of the force applied on the surface. Stay away from the track. Personal injury will result if contact is made with the revolving track.

WARNING

Never stand behind or near a rotating track.
Debris could be projected causing severe injuries.

The grip of the track will vary depending on the surface conditions. The grip may be reduced on hard-pack snow or ice. Reduce your speed and allow

SKI-DOO GRAND TOURING ELECTRIC

more space to turn. Refer to the *SNOWMOBILES EQUIPPED WITH TRACTION ENHANCING PRODUCTS* subsection of this guide to learn how to balance the grip of the ski vs the grip of the track. If the front and rear of the snowmobile are out of balance due to an incorrect combination of traction enhancing products, the snowmobile may tend to oversteer or understeer, which could lead to a loss of control.

Steering

Skis are used to steer the snowmobile with the handlebar. The performance to steer will vary depending on the grip of the skis on the surface. Steering control ability may be reduced on hard-pack snow, ice or roads. Reduce speed and allow more space to turn. Refer to the *SNOWMOBILES EQUIPPED WITH TRACTION ENHANCING PRODUCTS* subsection of this guide to learn how to balance the grip of the ski versus the grip of the track.

If the front and rear of the snowmobile are out of balance due to an incorrect combination of traction enhancing products, the snowmobile may tend to oversteer or understeer, which could lead to a loss of control.

When riding with a passenger or carrying loads, the steering control will also be reduced. Reduce speed and allow more space to turn.

Tether Cord

Always attach the tether cord to your riding gear before starting the snowmobile to help ensure it stops should the operator fall off.

After riding, always remove the tether cord from the vehicle cut-off switch to avoid unauthorized use by children or others and to prevent starting in a closed environment (ex: garage).

SAFETY INFORMATION

Braking

Braking performance may vary suddenly under certain conditions. For example, the level of regenerative braking is continuously adjusted while driving, which affects overall braking performance. Always remember that the snowmobile braking distance may be affected when riding with a passenger and when loaded with cargo at the rear. Avoid locking the track since this could lead to a loss of control.

Using studs on the track will give you better braking capacity on packed snow or ice but will have no noticeable effect on soft snow. Refer to *Snowmobiles Equipped with Traction Enhancing Products* subsection for track studding application.

Parking Brake

Always engage the parking brake before starting the vehicle. The parking brake should be used whenever the snowmobile is parked.

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

Programmable D.E.S.S. Key

The Programmable D.E.S.S. Key can be programmed to limit the speed of the snowmobile and the motor output. This can enable first-time users and less experienced operators to learn how to operate while gaining the necessary confidence and control.

Visit your BRP authorized dealer to see if this accessory is available for your model.

SKI-DOO GRAND TOURING ELECTRIC

Carrying Loads

Carrying loads on the vehicle affects the vehicle handling, stability, autonomy and braking distance.

Appropriate loading and weight distribution are therefore important.

When carrying loads it is very important to follow the recommendations:

- Never exceed the maximum cargo capacity. Refer to the *Technical Specifications* subsection for the applicable cargo load capacity of your snowmobile.
- Always adjust the suspensions according to the cargo load. Refer to *Tune Your Ride* subsection for more details.
- Never carry a load unless it is properly secured using a BRP LinQ certified accessory. Compatible accessories which are not BRP certified may not be considered as fit for this purpose.

- Always reduce your speed, turn gradually and allow longer braking distance when carrying loads.

WARNING

Failure to follow these recommendations when carrying loads could lead to a loss of control and possibly in a tip over.

Accessories and Modifications

Any modifications or addition of accessories approved by BRP may affect the handling of your vehicle. It is important to take the time to get familiar with the vehicle once modifications are made to understand how to adapt your driving behavior accordingly.

SAFETY INFORMATION

Avoid installing equipment not specifically approved by BRP for the vehicle and avoid unauthorized modifications. These modifications and equipment have not been tested by BRP and may create hazards.

For example, they could:

- Create a loss of control and increase risk of crash
- Cause overheating or short circuits increasing the risk of fire or burn injuries
- Affect the protection features provided by the vehicle
- Affect the behavior of the trailer when the vehicle is transported
- Cause a risk of losing objects on the road when transported.

Your vehicle may also become illegal to ride.

Ask your authorized BRP dealer for suitable available accessories for your vehicle.

For safety reasons, some BRP accessories must be installed by a BRP dealer but if you decide to install the accessory by yourself, when not required to be done by the dealer, it is important to follow all the instructions carefully and, if applicable, understand all the information on how to use the product or for servicing.

If the accessory has been installed on your vehicle by another person than you, BRP strongly recommends you to read the corresponding instruction sheet as there may be more for information on how to use it safely or for the servicing.

The instruction sheets can be found at this address:

- <https://instructions.brp.com>

SKI-DOO GRAND TOURING ELECTRIC

RIDE SAFELY

Rider Position (Forward Operation)

Your riding position and balance are the two basic principles of making your snowmobile go where you want it to. When turning on the side of a hill, you and your passenger must be ready to shift body weight to help it turn in the desired direction. Operator and passenger must never attempt this maneuvering by placing feet outside of the vehicle. Experience will teach you how much lean to put into turns at different speeds and how much you will have to lean into a slope to maintain proper balance.

Generally, the riding position for best balance and control is sitting. However, the posting, kneeling or standing positions are also used under certain conditions.

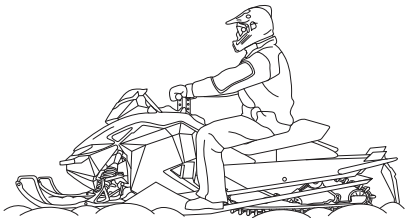
WARNING

Do not attempt any maneuvers if they are beyond your abilities.

SAFETY INFORMATION

Sitting

Feet on the running boards, body midway back on seat is an ideal position when operating the snowmobile over familiar, smooth terrain. Knees and hips should remain flexible to absorb shocks.



Posting

A semi-sitting position with the body off the seat and the feet under the body in a sort of squatting posture, thus allowing the legs to absorb the shocks when traveling over uneven terrain. Avoid abrupt stops.



SKI-DOO GRAND TOURING ELECTRIC

Kneeling

This position is achieved by placing one foot firmly on the running board and the opposite knee on the seat. Avoid abrupt stops.



Standing

Place both feet on the running boards. Knees should be flexed to absorb the shock from surface bumps. This is an effective position to see better and to shift weight as conditions dictate. Avoid abrupt stops.



SAFETY INFORMATION

Rider Position (Reverse Operation)

When operating in reverse:

- Ensure the path behind is clear of obstacles or bystanders before proceeding in reverse.
- BRP recommends sitting on your snowmobile when operating in reverse.
- Avoid standing up. Your weight could shift forward against the accelerator lever while operating in reverse, causing an unexpected acceleration. Unexpected acceleration when snowmobile operates in reverse can cause a loss of control.

Fast reverse while turning could result in loss of stability and control.

Riding with Passenger(s)

This vehicle is designed for one (1) operator and as many passengers as there are seats with straps or handholds installed on the vehicle conforming to SSCC standards. Passenger must only sit on designated passenger seat.

WARNING

- Never carry a passenger on a seat not approved by BRP.
- Never allow anyone to sit between the handlebar and the operator.

Even when a passenger is allowed, this person must be physically fit for snowmobiling.

Any passenger must always be able to firmly lay his feet on the footrests and keep his hands on the handholds or seat strap when seated. Respecting

SKI-DOO GRAND TOURING ELECTRIC

those physical criteria is important to ensure that the passenger is stable and to reduce the risks of ejection. Falls can result in severe injury or death.

The operator has a responsibility to ensure the safety of his passenger and should inform the passenger about snowmobiling basics.

Before riding the vehicle, adjust suspension according to weight. Refer to *Tune Your Ride* subsection for more details.

Ask your passenger to inform you to slow down or stop immediately if he feels uncomfortable or insecure during the ride.

When going over bumps, rider(s) may raise their body slightly off the seat to absorb the shocks with their legs.

An unforeseen bump can cause a passenger to be ejected from the vehicle. Remind your passenger to lean into the turn with you, without causing the

vehicle to topple. Be extremely careful, go more slowly and check the passenger frequently. Keep a watchful eye on your passenger while riding.

Braking ability and steering control are reduced when riding with a passenger. Decrease speed and allow extra space to maneuver.

Riding Alone

Venturing out alone with your snowmobile could also be hazardous. You could run out of power, have an accident or damage your snowmobile. Remember, your snowmobile is capable of traveling further in half an hour than you may be able to walk in a day. Use the “buddy system.” Always ride with a friend or member of your snowmobile club. Even then, tell someone where you are going and the approximate time you plan to return.

SAFETY INFORMATION

Riding in a Group

Before starting out, designate a “trail boss” to lead the party and another person to follow-up at the end of the party. Ensure that all members of the party are aware of the proposed route and destination. When riding with others, limit your abilities to the experience of others. Never overtake the trail boss or, for

that matter, any other snowmobile. Use down-the-line hand signals to indicate hazards or intent of direction change. It's important to keep a safe distance between each snowmobile but each one behind the leader should know the position of the machine ahead.

Hand Signals

Every snowmobiler should relay any signal to the ones behind.

STOP

Raise either hand straight above your head.



LEFT TURN

Extend your left hand straight out in the proper direction.



SKI-DOO GRAND TOURING ELECTRIC

RIGHT TURN

Extend the left arm and raise the hand to a vertical position so it forms a right angle at the elbow.



SLOWING DOWN

Left hand extended out and down from the side of the body with downward flapping motion of hand to signal warning or caution.



FOLLOWING SNOWMOBILES

Arm raised, elbow bent with thumb pointing backward, in hitch-hicking motion move arm forward to backward over your shoulder.



ONCOMING SNOWMOBILES

Left arm raised at shoulder height, elbow bent and forearm vertical, wrist bent, move arm from left to right over head pointing to right side of trail.



SAFETY INFORMATION

LAST SNOWMOBILE IN LINE

Left arm raised at shoulder height, elbow bent and forearm vertical with hand clenched in a fist.



Light Signals

As an alternative to hand signals, a light signal system can be installed on your snowmobile. Whether it is an OEM or after-sales system, it consists of a 2-color LED light that signals you are followed by other riders, or you are the last rider. It allows the rider to keep both hands on the handlebar for more safety while crossing other riders.

Visit your BRP snowmobile dealer for more information.

FOLLOWING SNOWMOBILES	YELLOW light
LAST SNOWMOBILE IN YOUR GROUP LINE	GREEN light

SKI-DOO GRAND TOURING ELECTRIC

Avoiding Collisions

Always be on the look-out for the unexpected. Operate defensively. Scan constantly for people, objects, conditions and upcoming vehicles. On the trail, always stay on the appropriate side - as per country regulation - to avoid collision, especially when the field of vision is reduced (e.g., before a hilltop or curve). Use extra caution whenever off-trail.

Always keep a safe distance from other snowmobiles and bystanders. Tailgating another snowmobile should be avoided. If the snowmobile in front of you slows down for any reason, its operator and passenger could be harmed through your neglect. Maintain a safe stopping distance between you and the snowmobile in front of you. Depending on the terrain condition, stopping may require a little more space than you think. Play it safe. Be prepared to use evasive driving.

On land or water, fog or visibility-limiting snow can form. If you must proceed into the fog or heavy snow, do so slowly with your lights on and watch intently for hazards. If you are not sure of your way, do not proceed. Keep a safe distance behind other snowmobilers to improve visibility and allow sufficient reaction time.

Riding Behaviors

Injury or death may result to the snowmobile operator, passenger or bystander if the snowmobile is used in risky conditions which are beyond the operator's, passenger's or snowmobile's capabilities or intended use.

Remember, promotional material may show risky maneuvers performed by professional riders under ideal and controlled conditions. You should never attempt any such risky maneuvers if they are beyond your level of riding ability.

SAFETY INFORMATION

Jumping can be a hazardous situation. It requires practice and should be done in a known and controlled environment. Never attempt jumping on a trail. A loss of control could lead to an impact with rocks, trees or another snowmobile. When jumping be prepared for landing to absorb the shock. Brace yourself for the impact. Your knees must be flexed to act as shock absorbers.

An uneven or mined surface in the trail could be enough to kick the snowmobile upward and cause a loss of control. Trying to accelerate above the traction limit allowed by the track and trail will cause track spin which leaves an irregular trail surface. So protect the other users by not spinning the track in the trail.

Speeding

Excessive speed and reckless driving can be fatal. Always adjust your speed according to snow conditions and circumstances. In many cases, you cannot react or respond quickly enough to the unexpected. Always ride at a speed which is suitable to the trail, weather conditions and your own ability. Know your local rules. Speed limit may be in effect.

Moving Parts

Stay away from the track. Personal injury will result if contact is made with the rotating track.

To prevent serious injury to individuals near the snowmobile:

- Never stand behind or near a moving track
- Always use a wide-base snowmobile stand with a rear deflector panel if it is necessary to rotate the track

SKI-DOO GRAND TOURING ELECTRIC

- When the track is raised off the ground, only run it at the lowest possible speed. Centrifugal force could cause debris, damaged or loose studs, pieces of torn track, or an entire severed track to be violently thrown backwards out of the tunnel with tremendous force
- Never operate the vehicle without the brake disk guard securely installed
- Never operate the vehicle with the side panels opened, or the hood removed

Know Terrain and Riding Variations

Groomed Trail

On a maintained trail, sitting is the preferred riding position. Do not race and, above all, keep to the appropriate side of the trail. Be prepared for the unexpected. Observe all trail signs. Do not zigzag from one side of the trail to the other.

Ungroomed Trail

Unless there has been a fresh snowfall you can expect “washboard” and snowdrift conditions. Taken at excessive speeds, such conditions can be physically harmful. Slow down. Hold on the handlebar and assume a posting position. Feet should be under the body assuming a crouched position to absorb any jarring effect. On longer stretches of “washboard” trails, the kneeling position of one knee on the seat can be adopted. This provides a certain amount of comfort, while at the same time keeps the body loose and capable of vehicle control. Beware of hidden rocks or tree stumps partially hidden by a recent snowfall.

SAFETY INFORMATION

Deep Snow

In deep powder snow, your vehicle could begin to sink. If this occurs, turn in as wide an arc as possible and look for a firmer base. If you do start to sink, do not spin your track as this makes the vehicle sink deeper. Instead, turn the vehicle off, get off and move the back of the vehicle onto new snow. Then tramp a clear path ahead of the vehicle. A few feet will generally suffice. Restart the vehicle. Assume the standing position and rock the vehicle gently as you steadily and slowly apply the accelerator. Depending on whether the front or rear end of the vehicle is sinking, your feet should be placed on the opposing end of the running boards. Never place foreign material beneath the track for support. Do not allow anyone to stand in front of or to the rear of the snowmobile while it is operating. Stay away from the track. Personal injury will result if contact is made with the revolving track.

Frozen Water

Traveling frozen lakes and rivers can be fatal. Avoid waterways. If you are in an unfamiliar area, ask the local authorities or residents about the ice condition, inlets, outlets, springs, fast moving currents or other hazards. Never attempt to operate your snowmobile on ice that may be too weak to support you and the vehicle. Operating a snowmobile on ice or icy surfaces can be very dangerous if you do not observe certain precautions. The very nature of ice is foreign to good control of a snowmobile or any vehicle. Traction for starting, turning or stopping is much less than that on snow. Thus, these distances can be multiplied manyfold. Steering is minimal, and uncontrolled spins are an ever present danger. When operating on ice, drive slowly with caution. Allow yourself plenty of room for stopping and turning.

SKI-DOO GRAND TOURING ELECTRIC

Slush

Slush should be avoided at all times. Always check for slush before starting across any lake or river. If dark spots appear in your tracks, get off the ice immediately. Ice and water can be thrown rearward into the path of a following snowmobile. Getting a vehicle out of a slush area is strenuous and in some cases, impossible.

Uphill

There are two types of hills you can encounter — the open hill on which there are few trees, cliffs or other obstacles, and a hill that can only be climbed directly. On an open hill, the approach is to climb it by side hilling or slaloming. Approach at an angle. Adopt a standing position with both feet on the same running board. Keep your weight on the uphill side at all times. Maintain a steady, safe speed. Continue as far as you can in this direction, then switch to an opposite hill angle and riding position.

A direct climb could present problems. Choose the standing position, accelerate before you start the climb and then reduce accelerator pressure to prevent track slippage.

In either case, the vehicle speed should be as fast as the incline demands. Always slow down as you reach the crest. If you cannot proceed further, don't spin your track. Apply the parking brake, turn the vehicle off, free the skis by pulling them out and downhill, place the rear of the snowmobile uphill, restart the vehicle, release the parking brake and ease it out with slow, even accelerator pressure. Position yourself to avoid tipping over, then descend.

SAFETY INFORMATION

Downhill

Downhill driving requires that you have full control of your vehicle at all times. On steeper hills, keep your center of gravity low and both hands on the handlebar. Maintain slight accelerator pressure and allow the machine to run downhill with the vehicle operating. If a higher than safe speed is reached, slow down by braking but apply the brake with frequent light pressure. Never lock the track.

Side Hill

When crossing a side hill or traversing up or downhill, certain procedures must be followed. All riders should lean towards the slope as required for stability. The preferred operating position is the standing position, with both feet on the running board that is facing uphill. Be prepared to shift your weight quickly as needed. Side hills and steep slopes are not recommended for a beginner or a novice snowmobiler.

Avalanche Hazard

When riding on mountainous terrain, be aware of the risk of avalanches. Avalanches vary in size and shape and generally occur in steep terrain and on unstable snow.

New snow, animals, people, wind and snowmobiles can all trigger an avalanche. Avoid high marking or traversing steep terrain when avalanche conditions are possible. When in unstable snow conditions, travel should be restricted to lower angle slopes. Wind formed cornices should be avoided. Staying off unstable conditions is the key to safe mountain riding. Be aware of the conditions and dangers on a daily basis when in the mountains. Check local avalanche forecasts and threats each day before heading out to ride and heed forecasters advice.

You should always carry and know how to use a snow shovel, probe and avalanche beacon while riding on mountains.

SKI-DOO GRAND TOURING ELECTRIC

Bright Sunshine

Bright sunny days can considerably reduce your vision. The glare from sun and snow may blind you to the extent that you cannot easily distinguish ravines, ditches or other obstacles. Goggles with colored lenses should always be worn under these conditions.

Night Rides

The amount of natural and artificial light at a given time can affect your ability to see or to be seen. Be extra cautious. Drive at speeds that will allow you to stop in time when you see an unknown or dangerous object ahead. Stay on established trails and never operate in unfamiliar territory. Be sure both headlights and taillight are working and clean.

Unfamiliar Territory

Whenever you enter an area that is new to you, drive with extreme caution. There may be obstructions hidden beneath the snow. Go slow enough to recognize potential hazards such as fences or fence posts, brooks crossing your path, rocks, sudden dips, guy wires and countless other obstacles which could result in a termination of your snowmobile ride.

Driving off established trails and in the woods requires reduced speed and increased vigilance. Driving too fast in an area can make even minor obstacles very hazardous. Even hitting a small rock or stump could throw your snowmobile out of control and cause injury to its riders. Even when following existing tracks, be cautious. Travel at a speed so you can see what is around the next bend or over the top of the hill.

SAFETY INFORMATION

Hidden Wires

Always be on the lookout for hidden wires, especially in areas that may have been farmed at one time or another. Too many accidents have been caused by running into wires in the fields, guy wires next to poles and roads, and into chains and wires used as road closures. Slow speeds are a must.

Riding Uneven Surfaces

Unplanned jumps of snowdrifts, snowplow ridges, culverts, indistinguishable objects or sudden drops in the trail can be dangerous. A good way to help see these terrain variations is to wear the proper color lenses or face shields and by operating at a lower speed.

Crouch (stand) towards the rear of the vehicle and keep the skis up and straight ahead. Apply partial acceleration and brace yourself for the impact. Knees must be flexed to act as shock absorbers.

Road Crossing

Your snowmobile is not designed to operate or turn on pavement of public streets, roads or highways. Avoid road traveling. If you must do so, and it is permitted, reduce your speed and stay on the edge where you can find snow to help maintain directional control.

As snowmobile trails often cross roadways it is important for riders to know the proper crossing procedures. When approaching a roadway, signal to others that you are stopping at the intersection and slowly come to a complete stop back from the road's edge. In some cases, you will be approaching the road from a ditch or snowbank. Choose a place where you know you can climb without difficulty. Stop completely at the top of the bank and wait for all traffic to clear. Then, look carefully in both directions before crossing at a 90° angle. If needed, assume a standing position to look both ways.

SKI-DOO GRAND TOURING ELECTRIC

Be wary of parked vehicles. When you are certain that the road is clear proceed straight across the intersection without hesitation. Each rider needs to come to a complete stop, look both ways and then proceed when the roadway is clear of oncoming traffic.

Railroad Crossing

Never ride on railroad tracks. It is dangerous and may violate applicable laws. Railroad tracks and railroad rights-of-way are private properties. A snowmobile is no match for a train. Before crossing a railroad track, stop, look and listen.

Respect of the Wildlife

Snowmobile tracks provide firm ground over which animals can travel from area to area. Do not violate this privilege by chasing or harassing wildlife. Fatigue and exhaustion can lead to an animal's death. Avoid areas posted for the protection or feeding of wildlife. If you happen to be fortunate enough to see an animal, stop your snowmobile and observe quietly.

PRACTICE EXERCISES

Where to Practice Exercises

Find a suitable area to practice the exercises. Ensure the area meets the following requirements:

- No traffic
- No obstacles
- Hard packed snow
- Ample space to maneuver

SAFETY INFORMATION

Exercises to Practice

Practice alone the following exercises after having done the entire pre-ride inspection. Always start and stop the vehicle according to the instructions in *Starting the Vehicle* and *Turning Off the Vehicle* in *Starting and Driving*. Don't forget to attach the tether cord to your jacket.

Using the Emergency Stop Switch

Purpose: Become familiar with the operation of accelerator lever and become familiar with using the emergency stop switch.

Directions:

- With the parking brake engaged, start the vehicle.
- Use the emergency stop switch to disable the vehicle propulsion system. Press the switch with your right thumb while keeping your hand on the handgrip.
- Restart the vehicle and repeat the exercise.

Tips for additional practice:

- Press the emergency stop switch without looking at it.

Starting, Stopping and Basic Handling

Purpose:

- Learn accelerator lever control and how to get the vehicle moving.
- Become familiar with low speed deceleration and braking.

If you feel like you are losing control while doing this exercise, release the accelerator lever to stop accelerating and apply the brake as needed to slow down. You can also use the emergency stop switch to cut power entirely.

Directions: At first, you will only use the accelerator lever for a moment at a time, then release it and coast.

SKI-DOO GRAND TOURING ELECTRIC

- Start the vehicle and release the parking brake lever.
- Slowly apply accelerator lever until the vehicle starts to creep forward. As soon as you start moving release the accelerator lever and coast, then press the brake lever to stop.
- Continue with this part of the exercise until you are comfortable with pressing and releasing the accelerator lever.

Vehicle Stop While in Motion

Purpose: Become familiar with using the emergency stop switch when in motion so you know how the vehicle will react if you need to use it later.

Directions:

- Partway down the straightaway, while operating at 8 km/h (5 mph), toggle the stop switch to the OFF position and coast to a stop.

- Restart the vehicle and repeat the exercise. Try increasing your speed (to a maximum of 20 km/h (12 mph) before using the stop switch.

In an emergency, the snowmobile can be stopped by pressing down on the emergency stop switch or by pulling the tether cord cap from the cut-off switch, while applying brake.

Basic Turns

Purpose: Get comfortable turning in a controlled manner on both sides.

Directions:

- Roll in a straight line at low speed and make a wide arcing turn. Make sure there is enough space to perform the entire turn.
- Repeat right and left turns and maintain a steady speed below 8 km/h (5 mph). Hold the accelerator lever to maintain your low speed.

SAFETY INFORMATION

- Leaning forward and into the curve may help you to turn the handlebar more easily.

Quick Stops

Purpose:

- Become familiar with the vehicle braking ability.
- Learn to apply the brake with maximum efficiency.

This exercise is like what you did before, except you'll be applying the brake more firmly, working up to braking at the maximum without locking the track rotation. Always release the accelerator lever completely for quick stops.

Directions:

- Start at one end of the straightaway and accelerate to 8 km/h (5 mph). Partway down the straightaway, release the accelerator lever completely and brake quickly.

- Keep head and eyes up, keep the handlebar straight and do not release the brake until fully stopped.
- Repeat, increasing your speed and braking harder. When you feel that the rotation of the track will be stopped you need to release the pressure on the brake lever. To maintain control, you need to keep the track in rotation.

Operating in Reverse

Purpose: Become familiar with the vehicle handling and turning radius in reverse.

Directions:

- Activate the reverse mode and remain seated. Refer to *SWITCHING TO AND FROM REVERSE* in *STARTING AND DRIVING*.
- Check that the area behind you is clear. While looking backwards, slowly reverse and stop by releasing the accelerator lever and using the brake, just like when operating normally.

SKI-DOO GRAND TOURING ELECTRIC

- Keep your speed low and do not back up for long distances.
- Repeat the reverse and stop in straight line until you get comfortable.
- Once you are comfortable with reversing in straight line, you can slowly reverse while turning the handle bar.

TRANSPORTING THE VEHICLE

Many types of trailer can be used to transport a vehicle. Whether using tilt-bed, flatbed or enclosed trailers, always proceed with precaution when driving the vehicle on and off of it.

Always anchor the vehicle securely, front and rear, even on short hauls. Use appropriate tie-down straps only. Make sure all equipment is securely fastened. Cover the vehicle to prevent road grime from causing damage.

Make sure the trailer meets state or provincial requirements. Ensure the hitch and safety chains are secured and the brake, turn indicators and clearance lights are functional.

WARNING

Make sure all seats, accessories and cargo are properly secured, or remove it to prevent from falling on the road and creating a hazard for following vehicles.

WARNING

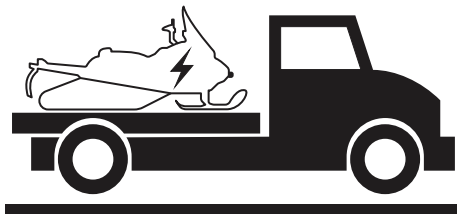
Do not transport the vehicle facing backwards. If the vehicle is transported facing backwards, the wind may cause damage to the windshield or even loss of the windshield.

SAFETY INFORMATION

The vehicle's electric motor is mechanically connected to the snowmobile track and can generate electricity when rotated.

AVOID PULLING OR PUSHING THE VEHICLE TO CAUSE THE TRACK TO MOVE WHEREVER POSSIBLE. IF NECESSARY, THE VEHICLE MAY BE TEMPORARILY PULLED AT A SPEED NO GREATER THAN 10 km/h (6 mph).

The vehicle must be secured in an upright position whenever it is being lifted or manipulated. Never use metal or conductive components to lift, manipulate, or secure the vehicle.



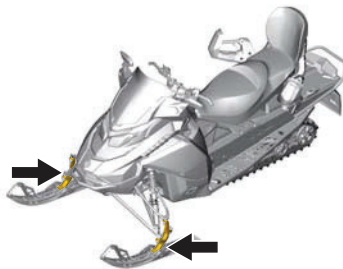
A flatbed truck or comparable transport vehicle is recommended to transport the vehicle to prevent the track from moving. The vehicle shall be secured onto the platform facing forward using the ski legs, not the skis, and the rear suspension. A strap can be used on each of the front ski legs (spindles) or 1 strap can

SKI-DOO GRAND TOURING ELECTRIC

be passed behind both ski legs (spindles). Pass a strap through the rear suspension to anchor the track on the platform. Alternatively, the 2 footrests can be used at the lifting points.

NOTICE

Front and rear bumpers should not be used as sole attachment points when towing a snowmobile on a trailer/flatbed platform.



Secure the vehicle at the locations shown.

SAFETY INFORMATION

Pushing or Pulling the Vehicle

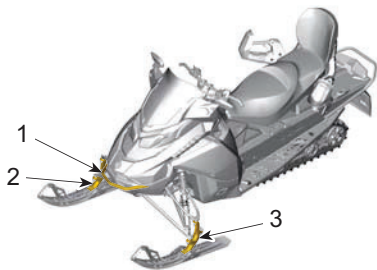
WARNING

Never transport this vehicle with the track on the ground or so that the propulsion system can rotate at a speed higher than 10 km/h (6 mph). This can cause the motor to generate a voltage which can do significant damage, cause the motor to overheat and cause the vehicle to have erratic behavior.

In rare cases, extreme overheating can ignite surrounding components.



SKI-DOO GRAND TOURING ELECTRIC



- ① Front bumper
- ② Ski leg (spindle)
- ③ Ski leg (spindle)

If the vehicle cannot be lifted onto the flatbed, or if a flatbed is not available and the vehicle must be recovered, it may be winched or temporarily towed at a speed below 10 km/h (6 mph) using a tow rope attached to both ski legs (spindles), not the skis. If the ski legs are not accessible, the tow rope can be attached to the front bumper.

If possible, the parking brake should be applied with a cargo sled or sliding carpet installed under the track to prevent them from turning.

SAFETY INFORMATION

IMPORTANT ON-PRODUCT LABELS (CANADA/UNITED STATES)

Vehicle Safety Labels

These labels are affixed to the vehicle for the safety of the operator, passenger and bystanders.

The following labels are on your vehicle and they should be considered permanent parts of the vehicle. If missing or damaged, the decals can be replaced free of charge. Visit an authorized BRP snowmobile dealer.

 **NOTE:**

In the event of any discrepancy between this guide and the vehicle, the safety labels on the vehicle have precedence over the labels in this guide.

Shock Absorber - Warning Label

Shock Absorbers - Warning Label



WARNING

- This shock absorber is pressurized.
- An explosion may occur if heated or punctured.
- Do not disassemble.

SKI-DOO GRAND TOURING ELECTRIC

Disk Guard - Warning Label



SAFETY INFORMATION

Starting Procedure - Warning Label

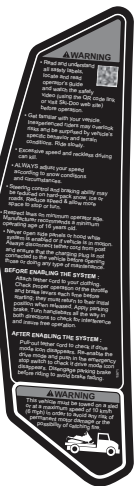
Label Text

WARNING

Read and understand all safety labels, locate and read operator's guide and watch the safety video (using the QR code link or visit Ski-Doo web site) before operation.

Get familiar with your vehicle. Inexperienced riders may overlook risks and be surprised by vehicle's specific behavior and terrain conditions. Ride slowly.

Excessive speed and reckless driving can kill.



ALWAYS adjust your speed according to snow conditions and circumstances.

Steering control and braking ability may be reduced on hard-pack snow, ice or roads. Reduce speed & allow more space to stop or turn.

Respect laws on minimum operator age. Manufacturer recommends a minimum operating age of 16 years old.

Never open side panels or hood while system is enabled or if vehicle is in motion. Always disconnect tether cord from post and ensure that the charging plug is not connected to the vehicle before opening those or doing any type of maintenance.

BEFORE ENABLING THE SYSTEM:

Attach tether cord to your clothing. Check proper operation of the throttle and brake levers each time before starting; they must return to their initial posi-

SKI-DOO GRAND TOURING ELECTRIC

tion when released. Apply parking brake. Turn handlebars all the way in both directions to check for interference and ensure free operation.

AFTER ENABLING THE SYSTEM:

Pull out tether cord to check if drive mode icon disappears. Re-enable the drive mode and push in the emergency stop switch to check if the drive mode icon disappears. Disengage parking brake before riding to avoid brake fading.

WARNING

This vehicle must be towed on a sled or at a maximum speed of 10 km/h (6 mph) in order to avoid any risk of permanent motor damage or the possibility of catching fire.



SAFETY INFORMATION

Passenger Safety - Warning Label



Label Text

WARNING

When riding with a passenger:

Braking ability and steering control are reduced.

Decrease speed and allow extra space to maneuver.

Adjust suspension according to weight.

Remember: you are responsible for the safety of your passenger. All drivers and passengers must read the following:

Avoid surprises, be on the lookout for the unexpected.

Operate defensively, scan constantly for people, objects, conditions and upcoming vehicles.

Avoid thin ice / open water.

Use extra caution whenever off-trail.

Always wear an approved helmet and clothing appropriate for snowmobiling.

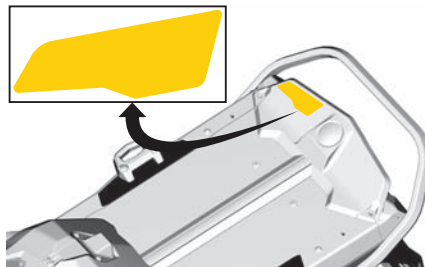
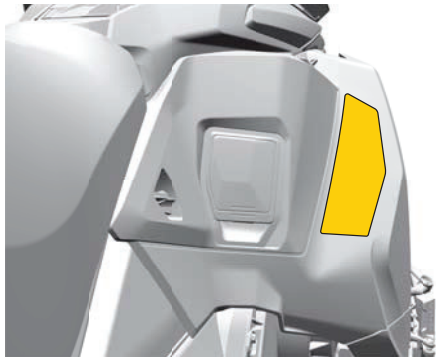
Never ride under the influence of alcohol or drugs, even

WARNING

This vehicle is designed for one (1) operator and as many passengers as there are seats with straps or handgrips installed on the vehicle conforming to SSCC standards.

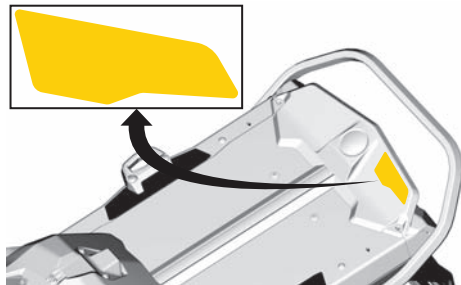
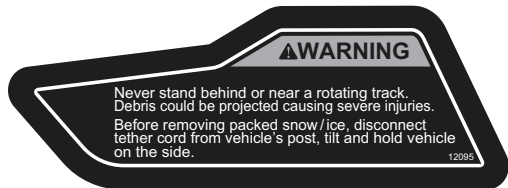
SKI-DOO GRAND TOURING ELECTRIC

Maximum Cargo Load and Towing Capacity- Warning Label



SAFETY INFORMATION

Rotating Track - Warning Label



SKI-DOO GRAND TOURING ELECTRIC

Charging - Caution Label



SAFETY INFORMATION

Electric Shock - Warning Label

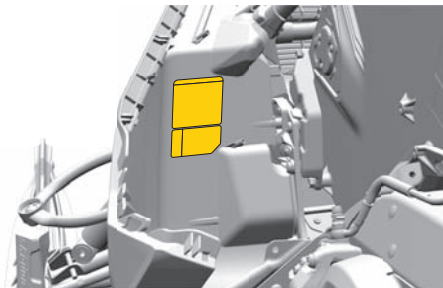


Label Text

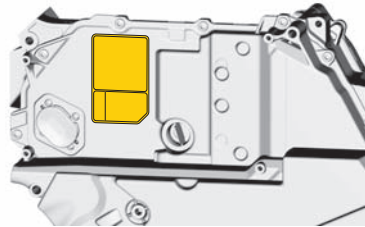
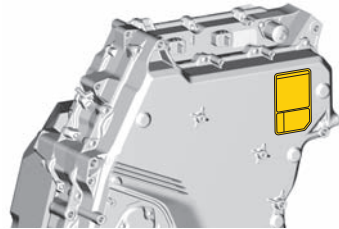
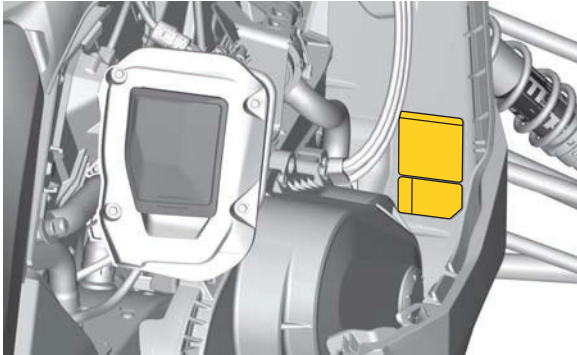
WARNING

To avoid electric shock that could lead to severe injury or death:

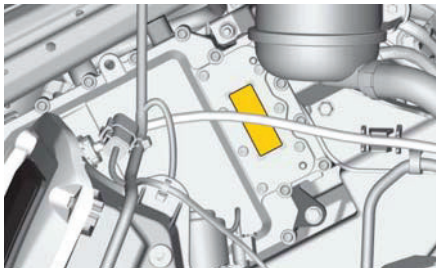
NEVER service the High Voltage (HV) system yourself. HV system requires special tools, appropriate personal protective equipment and training. The HV system must be serviced only by a qualified Bombardier Recreational Products technician.



SKI-DOO GRAND TOURING ELECTRIC



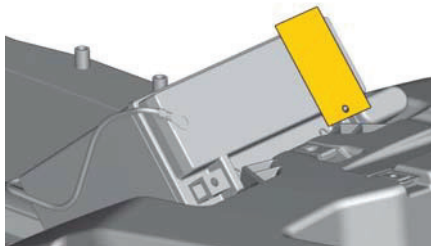
SAFETY INFORMATION



MANDATORY INITIAL CHARGING
CHARGE INITIALE OBLIGATOIRE

TIME	CHARGE
5 TO 10 hrs	2A

515176793A



SKI-DOO GRAND TOURING ELECTRIC

Battery Warning Labels



Label Text

DANGER

High voltage inside / Alkaline Electrolyte

To avoid the risk of **SERIOUS INJURY** or **DEATH** from **ELECTRIC SHOCK**, **ARC FLASH** or **FIRE**, always follow these precautions:

NEVER attempt to open, modify or disassemble this battery pack. This battery pack is not serviceable.

NEVER use this battery pack for other than its intended purpose in this vehicle.

NEVER puncture or expose this battery pack to impact.

NEVER expose this battery pack to fire or a source of heat.

NEVER submerge this battery pack in any liquid.

NEVER dispose of this battery pack illegally. Recycling or disposal of lithium-ion batteries requires special facilities. Improper disposal of this battery pack may also result in environmental damage.

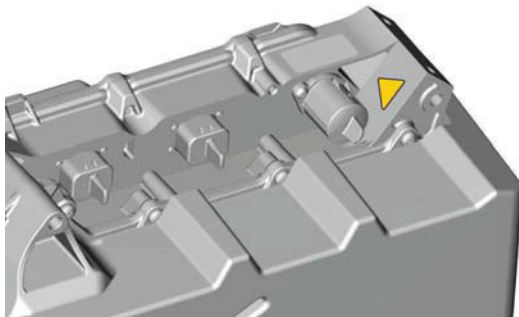
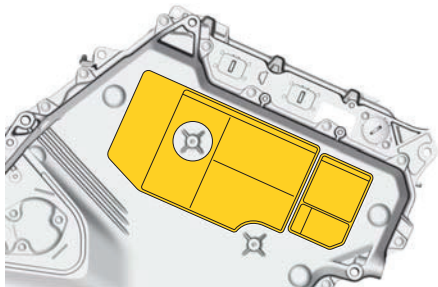
SAFETY INFORMATION

NEVER come in contact with a leaking battery pack.

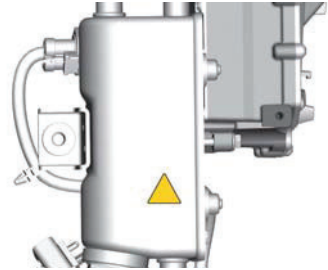
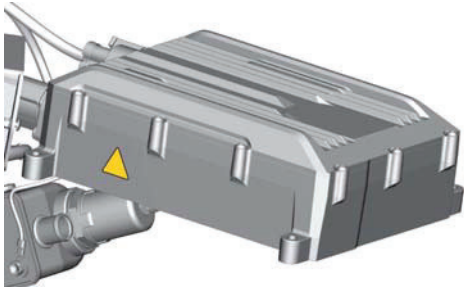
ALWAYS keep out of reach of children.

ALWAYS follow applicable laws and regulations when transporting, packaging, and storing this battery pack.

To Qualified EV Technicians: For replacement of this battery pack, follow the repair manual.

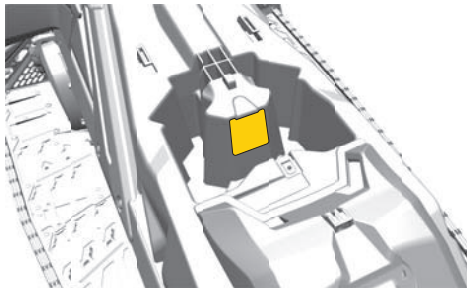
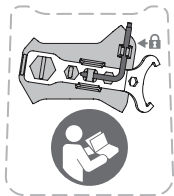


SKI-DOO GRAND TOURING ELECTRIC



SKI-DOO GRAND TOURING ELECTRIC

Adjustment Tools Label



SAFETY INFORMATION

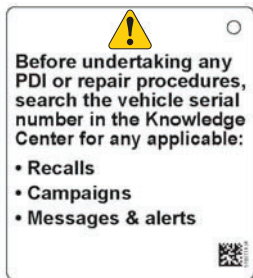
Cargo - Warning Label





This label indicates that cargo should never be carried in this area.

SKI-DOO GRAND TOURING ELECTRIC

California Proposition 65 Tags



 **WARNING:** Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information, go to www.P65Warnings.ca.gov/passenger-vehicle.

 **WARNING:** Battery posts, terminals and related accessories contain lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, wear gloves or wash your hands frequently when servicing your vehicle. For more information, go to www.P65Warnings.ca.gov.

Label Text

WARNING

Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects

SAFETY INFORMATION

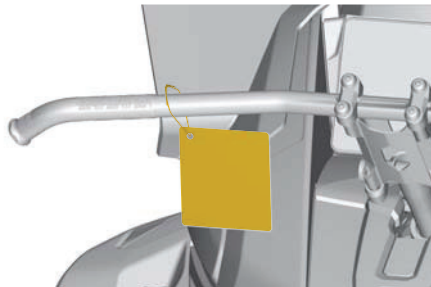
or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.

For more information, go to:

www.P65Warnings.ca.gov/passenger-vehicle.

WARNING

Battery posts, terminals and related accessories contain lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, wear gloves or wash your hands frequently when servicing your vehicle. For more information, go to: www.P65Warnings.ca.gov.



SKI-DOO GRAND TOURING ELECTRIC

REPORTING SAFETY DEFECTS

In Canada, if you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform Transport Canada in addition to notifying Bombardier Recreational Products Inc.

If Transport Canada receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, Transport Canada cannot become involved in any individual problems between you, your dealer or Bombardier Recreational Products Inc.

To contact Transport Canada:



819-994-3328 (Gatineau-Ottawa area or internationally)
Toll free : 1 800-333-0510
(in Canada)



Transport Canada - ASFAD
330 Sparks Street
Ottawa, ON
K1A 0N5



<https://www.tc.gc.ca/recalls>

SAFETY INFORMATION

PRE-RIDE INSPECTION

Perform a pre-ride inspection before each ride to detect potential problems during operation. The pre-ride inspection can help you monitor wear and deterioration before they become a problem. Correct any problems that you discover to reduce the risk of an accident or a malfunction.

Before Starting

1. Remove snow and ice from body including lights, seat, footrests, controls and instruments.
2. Remove packed snow and ice from the rear suspension using the wrench tool.
3. Verify that skis and steering operate freely. Check corresponding action of skis versus handlebar.

4. All storage compartments must be properly latched and they must not contain any heavy or breakable objects. Hood and side panels must be properly latched.
5. Activate the accelerator lever several times to check that it operates easily and smoothly. It must fully return when released.
6. Activate the brake lever and make sure the brake fully applies before the brake control lever touches the handlebar grip. It must fully return when released.
7. Apply parking brake and ensure it operates properly. Leave parking brake applied.

After Starting

For proper starting procedure, refer to *STARTING THE VEHICLE* in *STARTING AND DRIVING*.


SKI-DOO GRAND TOURING ELECTRIC

1. Check headlights (high beam and low beam), tail-light, stop light and pilot lamps operation.
2. Check the emergency stop switch operation.
3. Check the power-off switch operation by pulling the tether cord cap.
4. Release the parking brake.

 **NOTE:**

You may need to detach the tether cord from your clothes to check the lights. In this case, attach the cord as soon as you return to the controls of the snowmobile.

Pre-Ride Check List

ITEM	OPERATION	
Body including seat, footrests, lights, controls and instruments	Check condition and wear and remove snow or ice.	
Skis and steering action	Check for free movement and proper operation.	
Ski runners	Check for abnormal wear.	
Accelerator lever	Check for proper operation.	
Brake lever	Check for proper operation.	
Parking brake	Check for proper operation.	

SAFETY INFORMATION

ITEM	OPERATION	✓
Brake fluid	Check for proper level and no leaks.	
Storage compartment	Check for proper latching and no heavy or breakable objects.	
Track	Check condition and remove snow or ice. For studded tracks, refer to <i>Snowmobiles Equipped with Traction Enhancing Products</i> .	
Slider shoes	Check for abnormal wear.	
Emergency stop switch	Check for proper operation.	
Vehicle power-off switch (tether cord cap)	Check for proper action. Tether cord must be attached to operator clothing eyelet.	
Lights	Check for proper operation.	
Horn button (if equipped)	Check for proper operation.	

SKI-DOO GRAND TOURING ELECTRIC

HIGH VOLTAGE COMPONENTS

WARNING

The high-voltage components on the vehicle should only be serviced by an authorized service technician. Do not tamper with the high-voltage components in any way. Contact an authorized BRP dealer for servicing.

WARNING

Your vehicle is designed to withstand wet conditions, including rainfall, snow or puddles. However, submersion in water past the floor of the chassis E module can cause damage or render the vehicle temporarily inoperable. If this occurs, stop using the vehicle. The vehicle should be inspected by a BRP dealer prior to next ride. Contact local emergency service for immediate assistance if any signs of thermal event or hardware failure occur.

WARNING

This vehicle is equipped with an electric motor capable of generating a voltage when rotated. The motor is mechanically connected at all times to the snowmobile track. The vehicle should not be pulled or towed at a speed above 10 km/h (6 mph) or moved in a way that could cause the track to move.

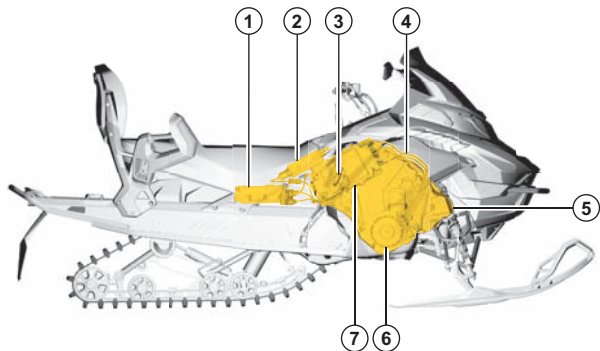
WARNING

If the vehicle has been involved in a crash, do not tow the vehicle at any speed. In addition to the risk of generating voltage, further damage could occur to the motor or the inverter.

WARNING

The vehicle shall only be charged using an EVSE or charging station equipped with a UL2231 compliant Charge Current Interruption Device (CCID) or a Residual Current Device (RCD).

ELECTRIC VEHICLE (EV) OVERVIEW



- ① High-voltage charger
- ② High-voltage heater
- ③ High-voltage charging socket
- ④ High-voltage cables

- ⑤ High-voltage battery pack
- ⑥ High-voltage electric motor
- ⑦ High-voltage inverter

High voltage cables on the vehicle can be identified by their orange color.

SKI-DOO GRAND TOURING ELECTRIC

WARNING

Do not manipulate, cut or otherwise damage the orange high-voltage cables. Always treat the orange high-voltage cables as if they were live and powered.

NOTE:

The warranty will be voided if any high voltage components are opened by anyone other than an authorized BRP dealer.

LITHIUM-ION HIGH-VOLTAGE PROPULSION BATTERY

WARNING

The high-voltage battery should only be serviced by an authorized service technician. Do not open or tamper with the battery in any way. Contact an authorized BRP dealer for battery servicing.

WARNING

Do not use the high-voltage battery as a stationary power source or for other than its intended purpose in this vehicle.

NOTICE

Avoid fully discharging the high-voltage battery to 0%. The battery will engage a power/torque limiter when the state of charge is low. However, fully discharging the battery to 0% could damage the battery and render the vehicle inoperable. The battery cannot be recharged if it is highly depleted.

There are three different electrical circuits in the system.

- 400V DC high-voltage circuit: Links the battery, charger, inverter and motor, providing energy to the vehicle propulsion system.

ELECTRIC VEHICLE (EV) OVERVIEW

- 12V DC circuit: Used to power auxiliaries like the headlights and audio system.
- AC 120 V/ 240 V 60Hz circuit: Used during charging.

The 400V and 12V circuits are linked through the DC-DC converter.

The 400V lithium-ion propulsion battery is comprised of multiple sealed cells that store the energy used to drive the vehicle.

During normal operating conditions, the high-voltage propulsion battery also provides charging current through the DC-DC converter to the accessory 12V battery. The 12V may also be charged when the vehicle is connected to a charger.

All batteries degrade over time. The high-voltage battery pack efficiency will vary in function of the service time and condition.

Battery Management System (BMS)

The high-voltage battery pack is equipped with a Battery Management System (BMS) that monitors the condition of the high-voltage propulsion battery. The BMS optimizes charging and under certain conditions, intervenes to prevent damage to the high-voltage propulsion battery. This intervention includes slowing or stopping the flow of charge if necessary.

The BMS also helps regulate the power flow to the high-voltage propulsion battery during operation. If required, it can limit that power as needed.

CHARGING

WARNING

Do not use a multi-plug adapter or extension cord.

SKI-DOO GRAND TOURING ELECTRIC

⚠ WARNING

People with medical electric devices, such as a pacemaker or a cardiovascular defibrillator, should consult their physician for recommendations related to electric vehicles and electric vehicle supply equipment (EVSE).

NOTICE

To prevent dirt and debris from potentially damaging terminals, ensure that the charge port cover and charge compartment door are closed and secured when not charging the vehicle. If the terminals build up debris over time, do not use tools to clean the terminals. Use compressed air, a soft cloth or low-pressure water to clean.

Charging Port Connection



The charging connection port is located to the lower right of the driver's view. It is set up to accept both Level 1 or 2 charging. Level 1 charging uses a 120 V AC power source, while Level 2 uses a 240 V AC power source. Level 2 charging is well-suited to quicker charging situations.

ELECTRIC VEHICLE (EV) OVERVIEW

Electric Vehicle Supply Equipment (EVSE)

WARNING

The vehicle shall only be charged with a CCID (Charge Current Interruption Device UL2231 charging station and EVSE) equipped station.

WARNING

Immediately disconnect the EVSE from the vehicle if plug or wall outlet is hot to the touch or emitting any unusual odors.

WARNING

Do not use extension cords or adapters with the EVSE.

WARNING

Do not use the EVSE if the plug does not have a proper connection with the wall outlet or if the wall outlet is rusted or damaged in any way.

WARNING

Do not use the EVSE if the cable or cord is frayed, has broken insulation or shows any other signs of damage.

The Electric Vehicle Supply Equipment (EVSE) cable used for charging the vehicle must be compatible with a J1772 style port for Level 1 (120V) and Level 2 (240V) charging.

SKI-DOO GRAND TOURING ELECTRIC

Charging the Vehicle

To charge the high-voltage propulsion battery:

1. Stop the vehicle on a flat surface.
2. Ensure the vehicle is powered OFF.
3. Engage the parking brake.

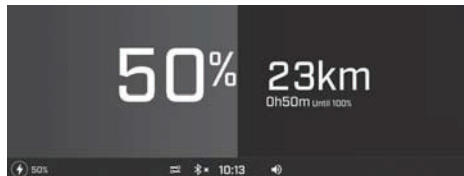
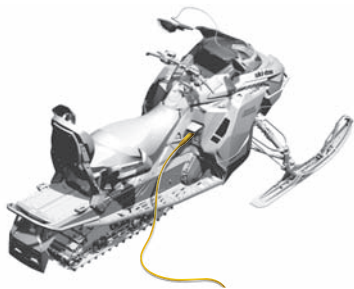
4. Open the hinged charge port cover.



5. Ensure that the charger socket is free of dirt, debris and water.

ELECTRIC VEHICLE (EV) OVERVIEW

6. Insert the EVSE charging plug into the charger socket.



The vehicle display will switch to the charging screen. Charging will continue until the battery is fully charged or the EVSE is disconnected.

Though charging will continue until complete, the display will turn off after five minutes of inactivity. Touch the screen to resume the display if desired.

SKI-DOO GRAND TOURING ELECTRIC

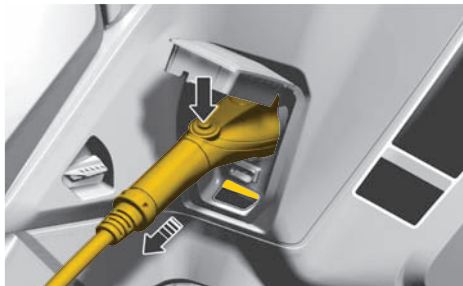
Stopping Charging

To stop charging the high-voltage propulsion battery:

1. If the state of charge has not yet reached 100%, touch Stop Charging on the display. This option is only available when the DESS key is installed on the vehicle DESS post. If the vehicle is not equipped with a DESS post, proceed directly to step 2.



2. Hold down the release button on the charging cable for one second and then remove it from the charging port.



3. Close the charging port cover.

ELECTRIC VEHICLE (EV) OVERVIEW

Charging Best Practices

Effect of Temperature

The Ski-Doo Grand Touring Electric snowmobile is designed to thrive in cold environments. For instance, the battery is protected by insulation foam to assist with operation during cold weather. However, there are extremes of temperature to keep in mind. For optimal battery life and long-term performance, whenever possible, avoid exposing the vehicle to ambient temperatures above 40° C (104° F) or below -30° C (-22° F) for extended periods.

Charging in extreme temperatures can limit the rate of charge the high-voltage battery receives. When the battery pack has an internal temperature outside of the appropriate range, the Battery Management System (BMS) intervenes and requires the on-board heater to bring the temperature to the appropriate

level. For this to occur, the vehicle must be plugged in with an EVSE to a proper outlet. Charging will resume once the temperature has returned to an appropriate range.

Driving in extreme temperatures can also affect the overall performance and autonomy of the vehicle.

High-Voltage Battery State of Charge

The vehicle operates best when charged regularly. The high-voltage battery does not need to be fully depleted before charging again. Rather than waiting until the battery charge is low to recharge, take advantage of every opportunity to charge when the vehicle is not in use.

SKI-DOO GRAND TOURING ELECTRIC

NOTICE

If the high-voltage battery charge is extremely low, it should be plugged in within 24 hours of being discharged to avoid potential damage and preserve its longevity.

Ideal Times to Charge

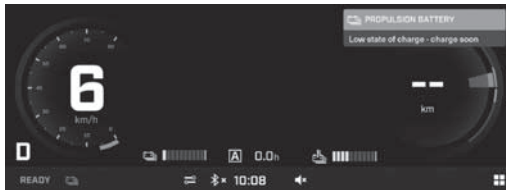
It can be helpful to avoid charging during “peak hours” if possible. Peak hours are those times when electricity demand is the highest across the power grid. Typically, charging at night avoids peak hour times. Charging the vehicle at times like this can help keep charging costs low. Check with your electric company for more information.

Charging Status and Battery State of Charge

Battery and charging status can be monitored in the instrument cluster.



The battery state of charge is shown on the display.

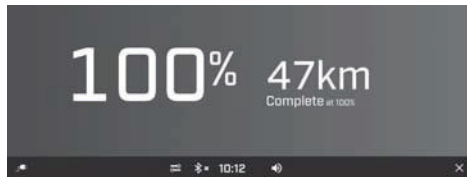


When the state of charge is low, a message is shown on the display.

ELECTRIC VEHICLE (EV) OVERVIEW



When the high-propulsion battery is charging, the current state of charge is shown as a percentage on the left side of the screen, and the estimated remaining time to charge to 100% is displayed on the right side of the screen.



When charging is complete, the estimated time remaining changes to show “Complete.”

Power Sources

The following power sources can be used to charge your vehicle:

- 120 V wall outlet
- 240 V wall outlet
- J1772 Level 1 (120V) charging station
- J1772 Level 2 (240V) charging station

NOTICE

This vehicle is not compatible with Level 3 charging stations.

Be aware that different power sources vary in their effect on charging time.

STARTING AND DRIVING

Starting the Vehicle

To start the vehicle:

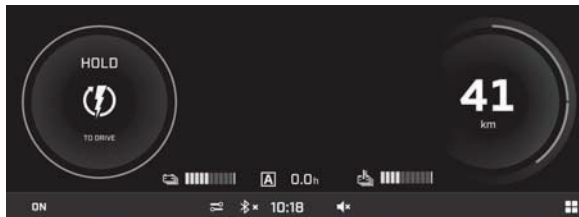
1. Insert the D.E.S.S. key into the D.E.S.S. post. The touchscreen will activate when the D.E.S.S. is recognized by the system.

ELECTRIC VEHICLE (EV) OVERVIEW

2. Pull the emergency stop switch up.



3. Press the Start button on the handlebar multifunction switch for 0.5 seconds. The ON indicator is shown on the lower left of the display.



4. Press the Start button for 0.5 seconds again to activate the high-voltage propulsion system.
5. When the READY indicator is shown in the lower left of the display, the accelerator lever can then be used to drive forward.

Switching to and from Reverse

When the vehicle is in the READY to drive mode, it is automatically set to the forward drive position.

SKI-DOO GRAND TOURING ELECTRIC

To switch to reverse mode, press and hold the Start button for 0.5 seconds. Repeat the procedure to return to forward drive mode.

Standby Mode

When the vehicle is in the READY to drive mode, it will begin moving when the accelerator lever is activated. While in this mode, if there is no interaction with the vehicle for one minute, a tone will sound, and a message will be displayed.

Pressing the brake lever will keep the vehicle in the READY to drive mode.

If there is still no user interaction, the vehicle will automatically switch to the ON mode, where movement is not possible.

While in the ON mode, a message will be displayed after 5 minutes without interaction, indicating to the user to activate the brake lever to keep the vehicle awake. If there is still no interaction, the vehicle will shut down.

Turning OFF the Vehicle

To turn off the vehicle:

1. Ensure that the vehicle has come to a complete stop.
2. Apply the parking brake.

ELECTRIC VEHICLE (EV) OVERVIEW

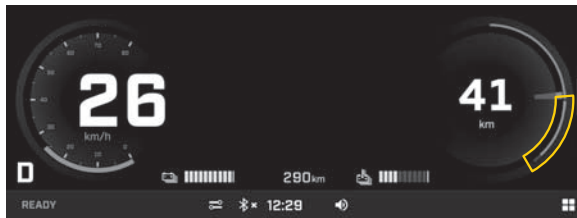
3. Push the Stop switch down to the OFF position.



4. Remove the D.E.S.S. from the post.

REGENERATIVE BRAKING

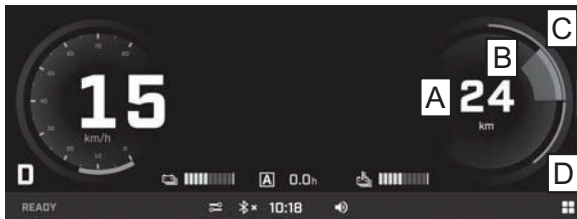
Regenerative braking captures some of the excess energy released in the braking process and returns it to the high-voltage system for increased range, when possible. It is automatically activated when releasing the accelerator lever and increases when the brake lever is pulled.



The amount of regenerative braking that is occurring can be monitored in this area of the power meter.

SKI-DOO GRAND TOURING ELECTRIC

PERFORMANCE GAUGE



- Ⓐ Vehicle range
- Ⓑ Current performance
- Ⓒ Discharge limit
- Ⓓ Regenerative braking limit

The performance gauge is located on the right side of the touchscreen display.

The range is displayed at the center of the gauge. It adjusts automatically depending on usage and operating conditions.

The thick curve, which varies instantaneously on both the discharge and regenerative braking portions, represents the actual usage of the vehicle's powertrain. The outer thin lines indicate the maximum available performance, which may be influenced by factors such as the propulsion battery state of charge, the powertrain components' temperature and the key type. Any limitation will cause them to be partially shaded.

ELECTRIC VEHICLE (EV) OVERVIEW

VEHICLE RANGE

This vehicle is designed for short trips of up to 50 km (31 miles). A variety of factors can influence the vehicle's range and the time until charging is needed, including:

- **Weather:** In addition to temperature, slippery conditions and strong headwinds can adversely affect driving range and performance.
- **Terrain:** Rough terrain or frequent and difficult hill climbs require more power from the vehicle, thus affecting range.
- **Payload:** A passenger and cargo increase demand on the vehicle.
- **Style of Driving:** An aggressive or high-speed driving style utilizes more power than a conservative driving style. An average speed of 25 km/h (15 mph) is within the optimal range.

- **Starting and Stopping:** It takes more energy to accelerate to a cruising speed than it does to maintain the same speed.
- **Accessories:** Additional accessories can add weight and energy draw.

Data from previous trips, such as performance and driving style, is used for calculating vehicle range.

SKI-DOO GRAND TOURING ELECTRIC

DIFFERENCES BETWEEN ELECTRIC VEHICLES AND VEHICLES WITH INTERNAL COMBUSTION ENGINES

This electric vehicle is designed to provide the same features and versatility of a snowmobile with an internal combustion engine. Beyond the difference in power source (electricity vs. gasoline), there are other differences you will notice with an EV.

- **Gauges:** The speedometer will be familiar when compared to a traditional vehicle. However, in place of a tachometer that measures RPM, this vehicle has a performance gauge that measures power output, regenerative braking and vehicle range.
- **Sound:** Under normal operating conditions, an EV generates significantly less sound than a vehicle with an internal combustion engine.

CAUTION

Be aware that the vehicle can be in Drive without producing sound. Always check to ensure the vehicle state.

- **Vibration:** An EV does not produce as much vibration during operation as an internal combustion engine.
- **Emissions:** An EV does not produce emissions from the vehicle when it operates.
- **Components:** The EV-specific components covered in this chapter (high-voltage propulsion battery, inverter, electric motor) are different than what would be found on an internal combustion engine. Conversely, components like mufflers, spark plugs and air intakes are not needed on EVs.

VEHICLE INFORMATION

VEHICLE DEACTIVATION CLASSIFICATION

The maintenance and repair tasks for this vehicle are classified using a deactivation level for the vehicle high-voltage components. Tasks in this guide are identified as either EV-00 or EV-01. That designation can be found at the beginning of each applicable procedure.

WARNING

Do not use a lower deactivation category than described. Failure to do so could result in serious injury or death.

EV 00 - Category Description



Indicates a maintenance or repair task requiring no deactivation of the vehicle high-voltage components.

Vehicle High-Voltage Battery State: No Deactivation.

The vehicle is functional and the powertrain can be activated or deactivated using the emergency stop switch.

Example of tasks to be performed:

- General maintenance tasks
- Snowmobile track tension adjustment

Tasks Limitations

These tasks must not interact with the following transmission components and/or propulsion system components:

- Sprocket
- Wheel
- Track (other than for track tension adjustment)
- High-voltage battery

SKI-DOO GRAND TOURING ELECTRIC

- High-voltage charger
- High-voltage E-motor
- High-voltage inverter
- High-voltage cables

⚠ WARNING

Do not disconnect or touch any exposed connections and/or damaged components with bare fingers, non-insulated tools or other metallic objects. Contact with high-voltage current will cause serious injury or death.

EV 00 - Safe Working Procedures



Mandatory Personal Protective Equipment (PPE):

- Safety Glasses
- Safety shoes with electric shock resistant soles

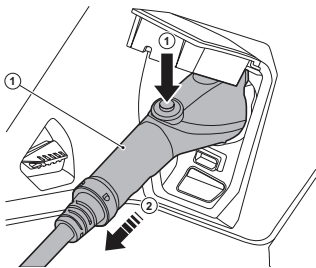
Required Tools:

- None

VEHICLE INFORMATION

Vehicle Preparation

1. Disconnect the charging cable from the vehicle, if applicable, by pressing the handle release button, waiting one second, and then pulling on the handle.



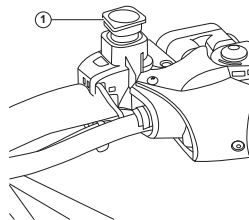
① Charging cable

2. Secure the vehicle to the work table.

⚠ CAUTION

Make sure to elevate all moving components so they are not in contact with the work table when servicing.

3. Apply the parking brake, if applicable.
4. Place the emergency stop switch in the OFF position.



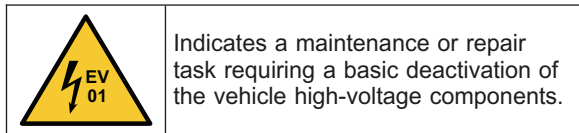
① Emergency stop switch

SKI-DOO GRAND TOURING ELECTRIC

Vehicle Release

1. Remove the vehicle from the work table and place on the ground, if applicable.
2. Release the parking brake, if applicable.

EV 01 - Category Description



Vehicle High-Voltage Battery State: Basic Deactivation

- The vehicle should be secured on a work table, where possible
- The parking brake should be applied, if possible
- The emergency stop switch must be in the OFF position
- The D.E.S.S. key is removed and the D.E.S.S. locking device is installed, if applicable

The vehicle cannot be activated with the D.E.S.S. locking device installed, allowing basic work to be done with the vehicle in OFF state.

Example of tasks to be performed:

- Designated maintenance tasks
- Body component replacement, excluding chassis

Tasks Limitations

These tasks must not interact with the following transmission components and/or propulsion system components:

- Sprocket
- Wheel
- Track (other than for track tension adjustment)
- High-voltage battery
- High-voltage charger
- High-voltage E-motor
- High-voltage inverter
- High-voltage cables

VEHICLE INFORMATION

WARNING

Do not disconnect or touch any exposed connections and/or damaged components with bare fingers, non-insulated tools or other metallic objects. Contact with high-voltage current will cause serious injury or death.

EV 01 - Safe Working Procedures



Mandatory Personal Protective Equipment (PPE):

- Safety Glasses
- Safety shoes with electric shock resistant soles

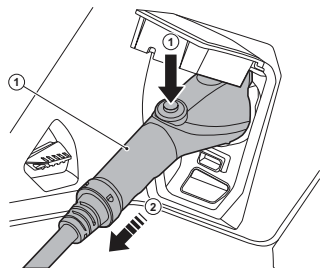
Mandatory Tools:

- D.E.S.S. locking device
- Safety lock box
- 1 personal padlock

SKI-DOO GRAND TOURING ELECTRIC

Vehicle Preparation

1. Disconnect the charging cable from the vehicle, if applicable, by pressing the handle release button, waiting one second, and then pulling on the handle.

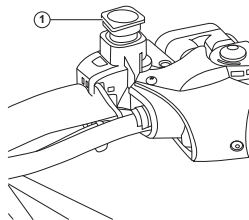


- ① Charging cable
2. Secure the vehicle to the work table.

⚠ CAUTION

Make sure to elevate all moving components so they are not in contact with the work table when servicing.

3. Apply the parking brake, if applicable.
4. Place the emergency stop switch in the OFF position.

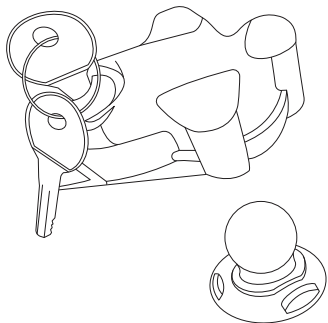


- ① Emergency stop switch

VEHICLE INFORMATION

Basic Deactivation Procedure

1. Remove the D.E.S.S. key from the vehicle.
2. Install and lock the D.E.S.S. locking device.



3. Place the D.E.S.S. locking device key and D.E.S.S. key in a safety lock box.
4. Lock the safety lock box with a personal padlock.

Proceed with the tasks permitted under this deactivation level.

⚠ WARNING

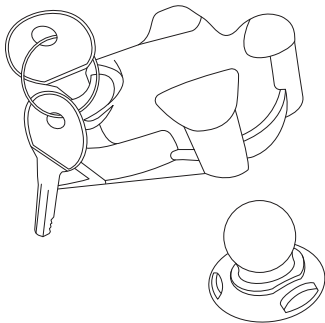
The single key of the worker's personal lock on the safety lock box must remain on the EV technician working on the unit until activation is safe to perform.

Basic Activation Procedure

1. Disconnect the charging cable from the charging port, if applicable.
2. Unlock the safety lock box.
3. Recover the D.E.S.S. locking device key and the vehicle D.E.S.S. key.

SKI-DOO GRAND TOURING ELECTRIC

4. Remove the D.E.S.S. locking device from the vehicle.



5. Place the D.E.S.S. key on the post.

Vehicle Release

1. Remove the vehicle from the work table, if applicable.
2. Place the vehicle on the ground.
3. Release the parking brake, if applicable.

VEHICLE INFORMATION

PRIMARY CONTROLS

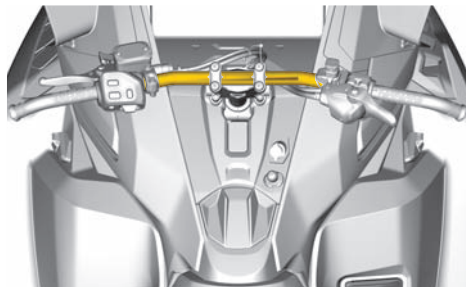
Handlebar

The handlebar controls the steering of the snowmobile. As the handlebar is rotated to right or left, the skis are turned right or left to steer the snowmobile.

⚠ WARNING

Fast reverse while turning, could result in loss of stability and control.

Typical



SKI-DOO GRAND TOURING ELECTRIC

Accelerator Lever

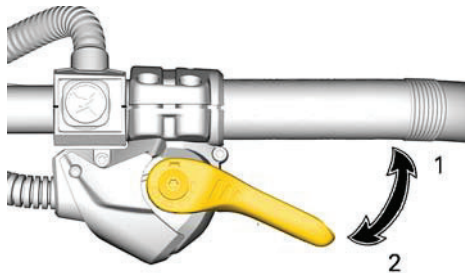
The accelerator lever is located on the RH side of handlebar.

When squeezed, it increases the vehicle speed.

When released, the vehicle speed returns automatically to the ready to drive mode.

After 60 seconds of inactivity, the vehicle will beep and drive mode will be deactivated.

iTC Accelerator Lever



- ① To accelerate
- ② To decelerate

VEHICLE INFORMATION

⚠ WARNING

Test the accelerator lever operation each time before starting the vehicle. The lever must return to the rest position once released. Otherwise, do not start the vehicle.

Switching from Thumb to Finger Accelerator Lever Position (ITC Accelerator Lever)

Vehicle Deactivation Level:



See *Vehicle Deactivation Classification* for more information.

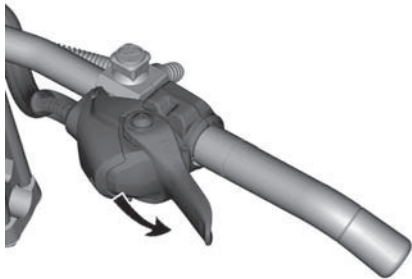
⚠ CAUTION

It is highly recommended to immobilize the snowmobile and ensure that the emergency stop switch is engaged before attempting any modification to the accelerator lever position as it could lead to a hazardous situation.

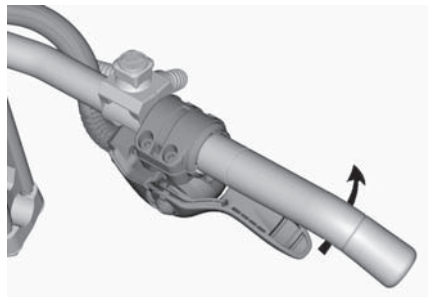
There are three positions to choose from when going from the thumb to the finger accelerator position and the best one will be to the rider's preference and in direct relation with the riding style and conditions.

SKI-DOO GRAND TOURING ELECTRIC

Thumb accelerator position : push downward to rotate accelerator housing

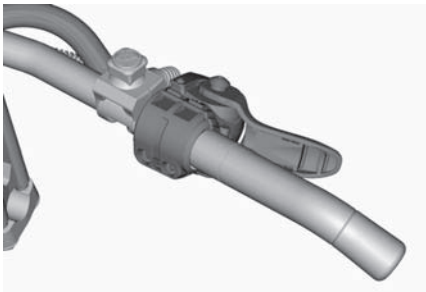


If wanted, continue to rotate the accelerator housing



VEHICLE INFORMATION

Finger accelerator position



⚠ CAUTION

It is **HIGHLY** recommended to use gloves and **NOT** mitts when using the finger accelerator lever position.

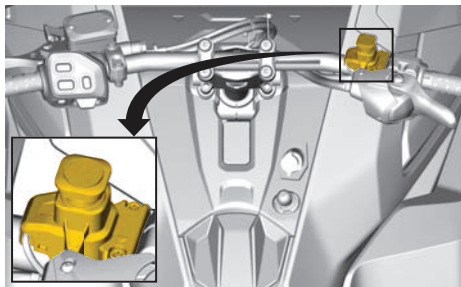
It is not recommended to use the finger accelerator lever position while riding in dense off-trail areas.

The procedure to go back to the thumb accelerator lever position is the reverse of the one shown above.

Emergency Stop Switch

The emergency stop switch is located on the RH side of handlebar.

Typical



SKI-DOO GRAND TOURING ELECTRIC

To stop the vehicle in an emergency, push the switch down to the OFF position and simultaneously apply the brake.

OFF position



To allow the drive mode activation, pull the switch up to the ON position.

ON position



VEHICLE INFORMATION

All operators of the snowmobile should familiarize themselves with the function of the emergency stop switch by using it several times on first outing and whenever stopping the vehicle thereafter. This vehicle stopping procedure will become a reflex and will prepare operators for emergency situations requiring its use.

WARNING

If the switch has been used in an emergency caused by a suspected malfunction, the source of the malfunction should be determined and corrected before activating the vehicle. Visit an authorized BRP snowmobile dealer for servicing.

Brake Lever

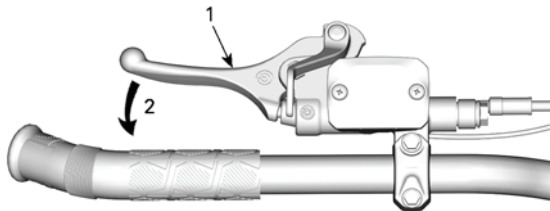
The brake lever is located on the LH side of handlebar.

When brought toward the grip, the brake is applied. When released, it automatically returns to the rest position. Braking effect is proportional to the force applied on the lever and to the type of terrain and its snow coverage.

Most effective braking is done without locking the track.

SKI-DOO GRAND TOURING ELECTRIC

Typical



- ① Brake lever
- ② To apply the brake

Brake Lever Adjustment

Vehicle Deactivation Level:



See *Vehicle Deactivation Classification* for more information.

⚠ WARNING

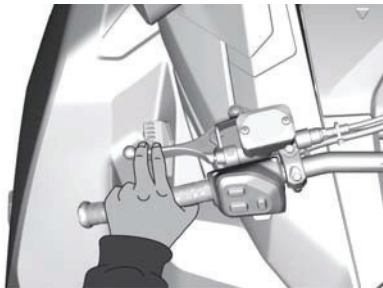
It is important to adjust the brake lever to the user size and normal riding position.

Proper brake lever position should allow:

- Good support for the index and middle finger on the lever.
- Use the outer end of the lever to optimize the force.
- Proper wrist alignment.

VEHICLE INFORMATION

Taking the time to adjust and try out the brake lever before your first snowmobile outing improves user comfort.



Adjusting the Brake Lever

Vehicle Deactivation Level:



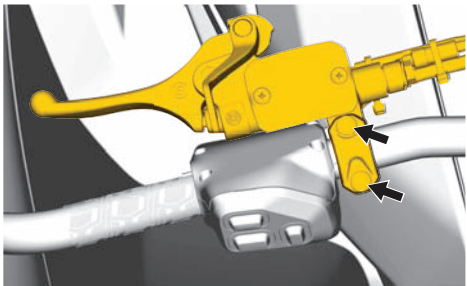
See *Vehicle Deactivation Classification* for more information.

1. Loosen the two bolts enough to easily move the brake lever on the handlebar.

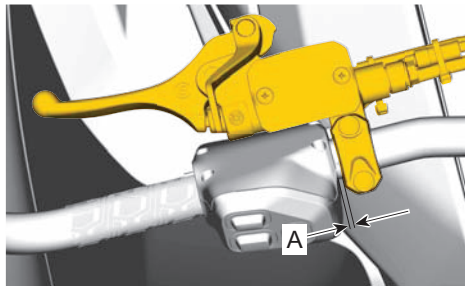
 **NOTE:**

If the two bolts are not loosened enough, the brake lever can leave marks on the handlebar.

SKI-DOO GRAND TOURING ELECTRIC



2. Locate the reference mark on the handlebar and respect the distance and rotation limits.



3. With the operator on the driver seat, put the brake lever in the desired position.
4. Tighten the two bolts to specification.

TIGHTENING TORQUE

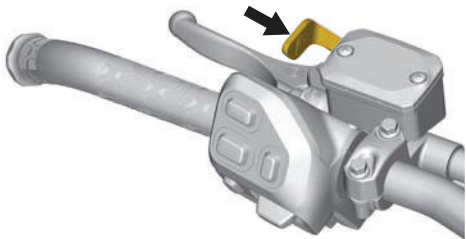
Brake lever adjustment bolts	8.5 ± 1.5 Nm (75 ± 13 lbf-in)
------------------------------	---

VEHICLE INFORMATION

Parking Brake Lever

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

Typical



The parking brake should be used whenever the snowmobile is parked.

⚠ WARNING

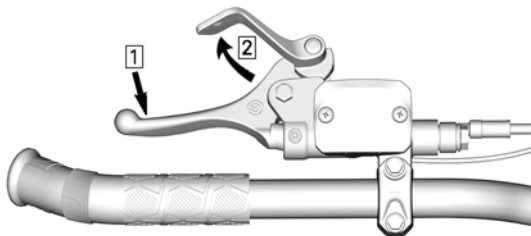
Make sure the parking brake is fully disengaged before operating the snowmobile. When you ride the vehicle, brake pads that are caused to drag by a continuous pressure on the lever may cause damage to the brake system and cause loss of braking capacity and/or fire.

To Engage the Parking Brake

Apply and hold the brake, then lock the brake lever using the parking brake lever as shown.

SKI-DOO GRAND TOURING ELECTRIC

Typical — Engage the Mechanism



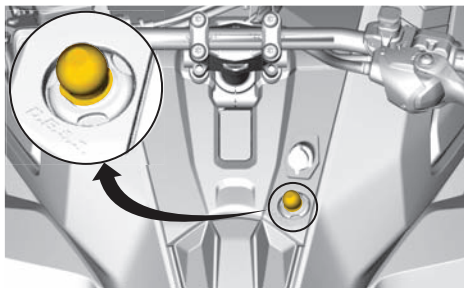
- ① Apply and hold the brake
- ② Lock the brake lever using the parking brake lever

To Release the Parking Brake

Activate the brake lever. The parking brake lever will automatically return to its original position. Always release the parking brake before riding.

Vehicle Cut-Off Switch

Typical



The vehicle cut-off switch (tether cord) is located on the console.

VEHICLE INFORMATION

The tether cord cap must be securely snapped on the vehicle cut-off switch to allow vehicle operation. Pulling the tether cord cap from the switch shuts the vehicle off.

WARNING

Always attach the tether cord eyelet to clothing before starting the vehicle.

D.E.S.S. (Digitally Encoded Security System)

The tether cord cap has an integrated D.E.S.S. key to provide you and your snowmobile with the equivalent security of a conventional lock key.

The D.E.S.S. key contains an electronic chip which features a unique permanently memorized digital code.

Your authorized BRP snowmobile dealer has programmed the D.E.S.S. of your snowmobile to recognize the D.E.S.S. key in the tether cord cap to allow vehicle operation.

If another tether cord is used without programming the D.E.S.S., the vehicle will start but will not allow the high-voltage propulsion system activation.

Two D.E.S.S. keys are provided with the vehicle. One is a "Tourist" key, with lower torque and a limited top speed of 40 km/h (25 mph). The other is the standard type key, allowing for a higher top speed of 60 km/h (37 mph).

Make sure the tether cord cap is free of dirt or snow.

D.E.S.S. Flexibility

The D.E.S.S. of your snowmobile can be programmed by your authorized BRP snowmobile dealer to accept up to 8 different keys.

SKI-DOO GRAND TOURING ELECTRIC

We recommend the purchase of additional tether cords from your authorized BRP snowmobile dealer. If you have more than one D.E.S.S. equipped BRP snowmobile, each can be programmed by your authorized BRP snowmobile dealer to accept the other vehicles D.E.S.S. keys.

SECONDARY CONTROLS

Some features may not apply to your model or could be optional.

Vehicle safety labels are not shown on illustrations. For information on vehicle safety labels, refer to *Vehicle Safety Labels*.

Handlebar Multifunction Switch

Multifunction switch is located on the LH side of handlebar.

Models with the 10.25" Color Touchscreen Display



- ① Headlights dimmer button
- ② Applet switcher button
- ③ Volume control button
- ④ Heated accelerator lever and grips button
- ⑤ Microphone button
- ⑥ Up / Down / OK button
- ⑦ Start button

VEHICLE INFORMATION

Headlights Dimmer Button

Press to select HIGH or LOW beam. Lights are automatically ON when the vehicle is ON.

Applet Switcher Button

This button is used to show the various applets in the display.

Volume Control Button

This button is used to change the volume.

Heated Grips and Accelerator Lever Button

 **NOTE:**

If the voltage of the 12V battery falls below 12 V, the heated grips will be turned off.

The button controls the handlebar grips and accelerator lever heat intensity. The balance between the temperature of the accelerator lever and the grips can be adjusted.

Press the button or use the up/down button as required to select the heating intensity to keep your hands at a comfortable temperature.

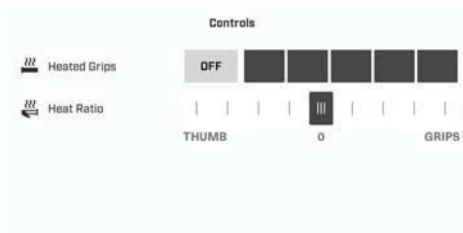
Adjusting the Heated Grips Ratio – 10.25” Color Touchscreen Display

 **NOTE:**

The heated grips ratio can only be adjusted using the touchscreen. The touchscreen is not available when riding.

1. Go to the Applet Menu and select the Controls app.
2. Slide the Heat Ratio cursor to adjust the heated grips balance.

SKI-DOO GRAND TOURING ELECTRIC



Microphone Button

This button is used to activate the voice commands.

UP / Down / OK Button

This button is used to navigate and select the various menus of the multifunction display.

Start Button

Press to start the vehicle. Refer to *STARTING THE VEHICLE* in *STARTING AND DRIVING*.

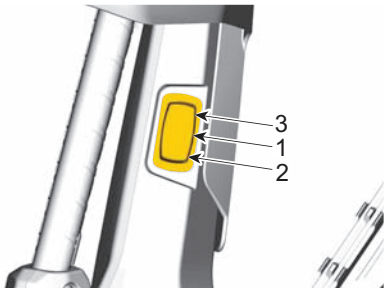
Passenger Heated Grip Switch

The switch is located on the LH passenger handhold.



VEHICLE INFORMATION

Adjust the heating intensity as shown.



- ① Off
- ② Warm
- ③ Hot

BODY AND SEAT

Front and Rear Bumpers

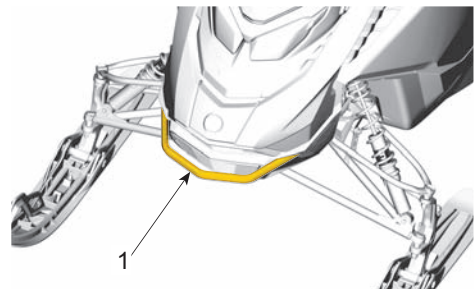
To be used whenever snowmobile requires manual lifting.

⚠ CAUTION

Beware of injuries by using proper lifting techniques, including lifting with your legs. Do not attempt to lift the rear of vehicle if it is above your limits. Use appropriate lifting device or have assistance to share the lifting stress if possible.

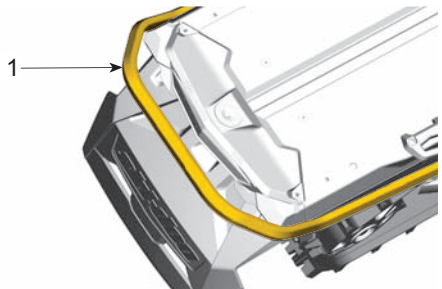
SKI-DOO GRAND TOURING ELECTRIC

Typical



① Front bumper

Typical



① Rear bumper

NOTICE

This vehicle is not designed for towing.

NOTICE

Do not use skis to pull or lift the snowmobile.

VEHICLE INFORMATION

Windshield

Vehicle Deactivation Level:



See *Vehicle Deactivation Classification* for more information.

Removing the Windshield

1. Place hands on each side of the windshield.

2. Pull the windshield up until both side pins come out of their rubber grommet.



SKI-DOO GRAND TOURING ELECTRIC

3. Disengage the center pin or tab.



2. Insert center pin or tab in headlamp module hole.



Installing the Windshield

1. Lubricate the grommets using soapsuds, if required.

NOTICE

Do not lubricate grommets with any type of grease.

VEHICLE INFORMATION

- Secure windshield by inserting the windshield pins into the grommets.



Adjustable Mirrors (if equipped)

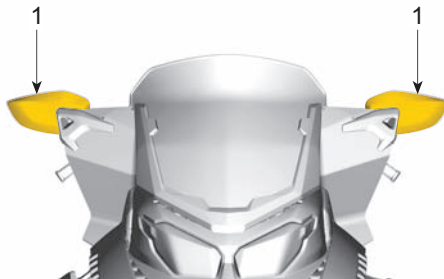
Each mirror can be adjusted to suit the operator's preference.

⚠ WARNING

Adjust with the vehicle at rest in a safe place.

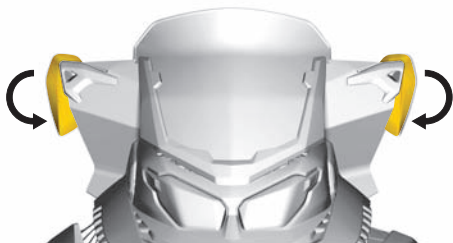
When installing a cover, the mirrors can be tilted downward to ease the installation.

Typical



SKI-DOO GRAND TOURING ELECTRIC

Typical



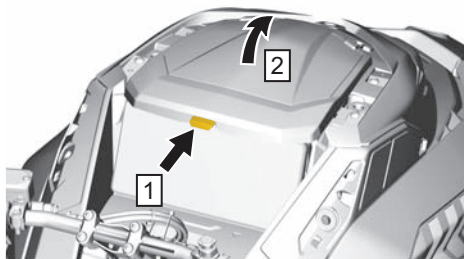
Front Storage Compartment

A storage compartment is located at the front of the vehicle, above the gauge.

The Operator's Guide is in the front storage compartment.

To open, push the button and lift the cover.

Typical



NOTE:

When closing, make sure the cover is secured properly. You will hear a "click."

VEHICLE INFORMATION

Side Panels

Vehicle Deactivation Level:



See *Vehicle Deactivation Classification* for more information.

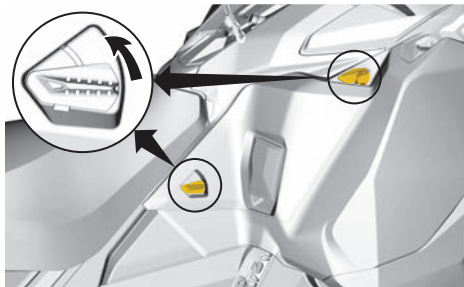
⚠ WARNING

Never operate the vehicle with side panels opened or removed.

Removing the Side Panels

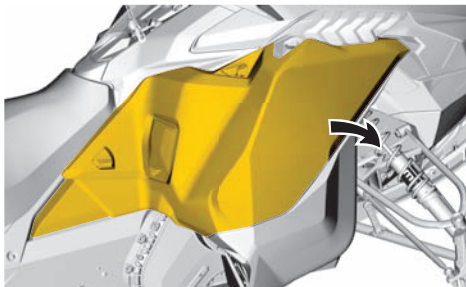
1. Unlock all latches, then open the panel.

Typical — 2 Latches

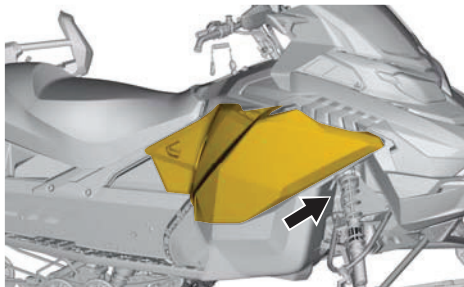


SKI-DOO GRAND TOURING ELECTRIC

2. Pivot the side panel around its lower edge.



3. Slide the panel hinge off the bottom pan.



NOTICE


Make sure to place the panel in a safe place to avoid scratching it.

VEHICLE INFORMATION

Installing the Side Panels

The installation is the reverse of the removal procedure. Make sure the bottom panel tab is inserted in the side bottom pan during installation. If not, the side bottom pan will be scratched and the panel tab can get damaged.

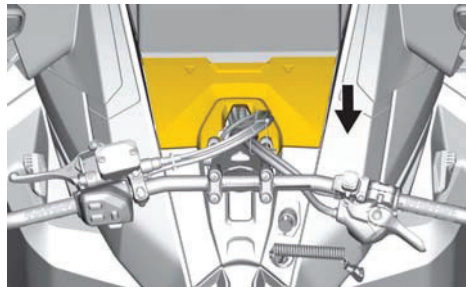
Upper Body Module

Vehicle Deactivation Level:	
-----------------------------	---

See *Vehicle Deactivation Classification* for more information.

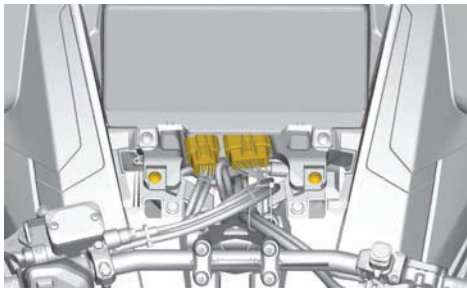
Removing the Upper Body Module

1. Remove both side panels. Refer to *Side Panels* in this section.
2. Remove the access cover by sliding it rearward.

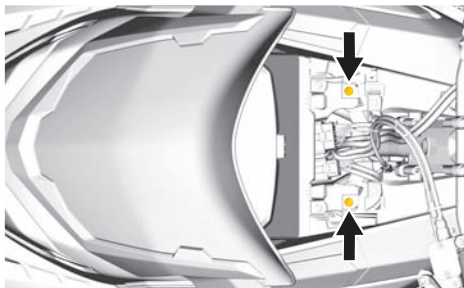


SKI-DOO GRAND TOURING ELECTRIC

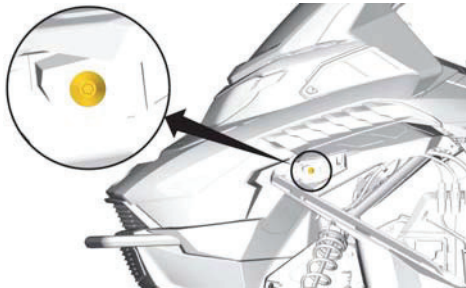
3. Disconnect the following connectors.



4. Remove the upper body module retaining screws on both sides.



VEHICLE INFORMATION

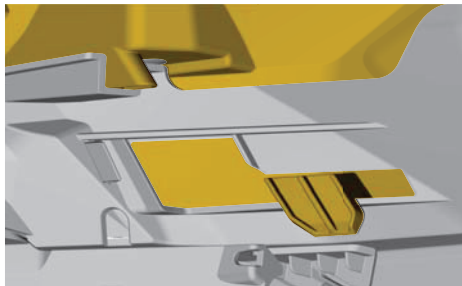


5. Grab the upper body module in the gauge support area.
6. Pull the module forward.
7. Remove the module from the vehicle.

Installing the Upper Body Module

1. At front, insert the upper body module tabs into the bottom pan openings.

Front Hood Tab



2. Lower the rear end of the upper body module.
3. Insert the rear end hooks of the upper body module into the slots in the console.

SKI-DOO GRAND TOURING ELECTRIC

- On both sides, install the upper body module retaining screws.

TIGHTENING TORQUE


Upper body screws	1.8 ± 0.2 Nm (16 ± 2 lbf-in)
-------------------	--

- Connect the headlight connectors.
- Install the storage compartment but leave the cover open.
- Install the gauge, secure with the screws.

TIGHTENING TORQUE

Gauge support screws	2.3 ± 0.2 Nm (20 ± 2 lbf-in)
----------------------	--

Seat

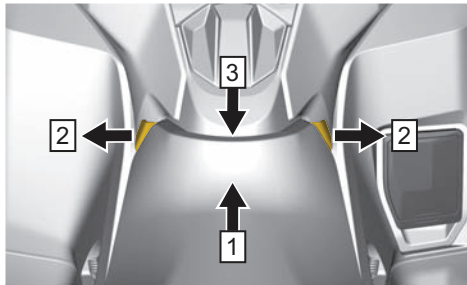
Vehicle Deactivation Level:	
-----------------------------	---

See *Vehicle Deactivation Classification* for more information.

Removing the Seat

- Unlock seat
 - Push the center of the seat forward.
 - Pull on both sides to disengage the ball studs.

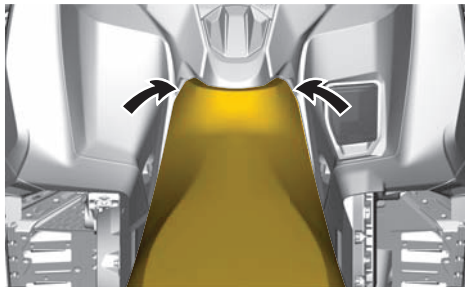
VEHICLE INFORMATION



- ① Push
 - ② Pull
 - ③ Lift up and backward to unlock seat
2. Remove the seat.

Installing the Seat – Ball Stud Lock

1. Connect the heated seat harness.
2. Place seat over the hooks, then slide it forward.
3. Engage both ball studs at front.



⚠ WARNING

Make sure the seat is securely latched before riding.

SKI-DOO GRAND TOURING ELECTRIC

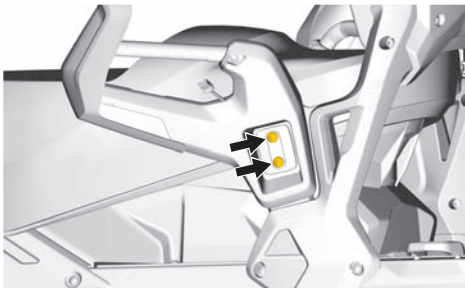
Passenger Handholds (if equipped)

The passenger handholds provide a strong holding point and comfort for the passenger on long rides.

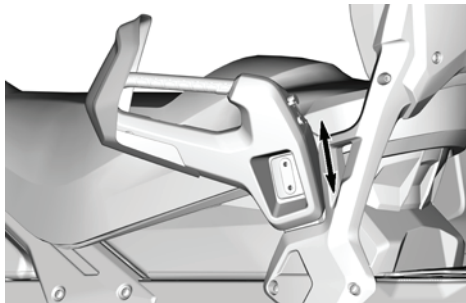
Adjusting the Passenger Handholds

To adjust the handhold height, proceed as follows:

1. Remove the screws.



2. Raise or lower the handhold to suit the passenger's comfort.



3. Reinstall the screws. Tighten to specification.

Tightening Torque

Handhold screw	24.5 ± 3.5 Nm (18 ± 3 lbf-ft)
----------------	---

VEHICLE INFORMATION

EQUIPMENT

Some features may not apply to your model or could be optional.

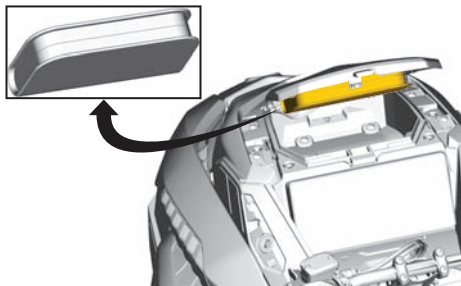
Operator's Guide

The Operator's Guide should be stored in the *Front Storage Compartment*.

Heated Cellphone Case (if equipped)

A heated cellphone case is mounted underneath the front storage compartment cover. It allows you to keep your cellphone at a warm temperature while charging.

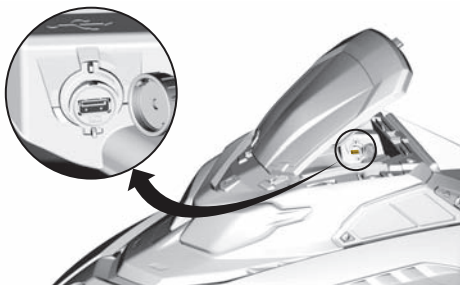
The temperature inside the case is kept between 5° C and 15° C (41° F and 59° F).



SKI-DOO GRAND TOURING ELECTRIC

Power Outlet - USB (if equipped)

The USB power outlet is located in the front storage compartment. It allows you to charge your cellphone while stored in the heated cell case.

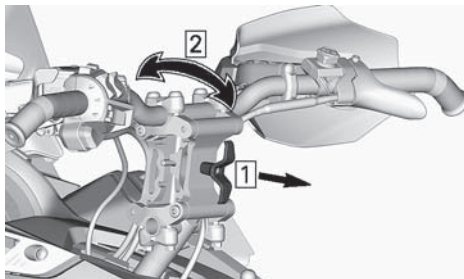


Adjustable Handlebar Riser (if equipped)

⚠ WARNING

Always stop the vehicle before adjusting the handlebar.

The handlebar can be set in four different positions. To change the handlebar position, pull the lever and position the handlebar as desired.



Move the handlebar back and forth to make sure the mechanism is securely engaged.

VEHICLE INFORMATION

Electric Visor Jack Connector (if equipped)

An electric visor can be connected to the jack connector. A stress relief extension is supplied with the vehicle.

Electric Visor Jack Connector location



Tools

A part of the compartment under the operator seat is designed to hold the tools allowing for basic maintenance.

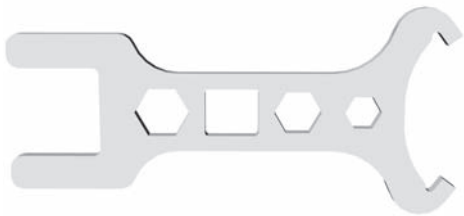
The tools are supplied with the vehicle. They should always be installed in their proper location and orientation.

SKI-DOO GRAND TOURING ELECTRIC

Install in the following sequence:

1. Slide the suspension adjustment tool open end under the retaining tab.

Suspension adjustment tool



2. Press the closed end on the retaining tabs.



VEHICLE INFORMATION

- Slide the headlight adjustment tool short end into the hole.

Headlight adjustment tool

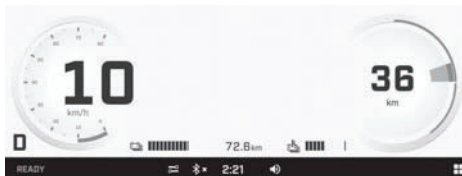


- Rotate and clip the long end in place.

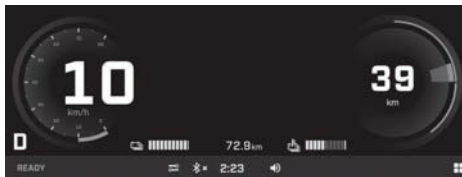
10.25" COLOR TOUCHSCREEN DISPLAY

Default Display

Light Mode



Dark Mode



Navigating the Multifunction Display

WARNING

Reading or operating the multifunction display can distract you from the operation of the vehicle, particularly from constantly scanning the environment. Always pay attention to road conditions and ensure your environment is clear and free from obstacles. Furthermore, when riding, only glance at the multifunction display briefly to maintain awareness of road conditions.

The instrument cluster includes digital gauges (speedometer and performance gauge), tell-tales, indicators, controls and an infotainment center with a digital touchscreen.

We recommend you practice selecting some functions on the infotainment center before getting on the road. You will get used to them and they will be easier to use while riding.

Use the handlebar multifunction switch to navigate (touchscreen not available when riding). Refer to *Secondary Controls*.

Pressing the applet switcher button on the handlebar multifunction switch will make the selected mode appear on top of the cluster.

Center Display

In full view, long press in the upper center of the screen to cycle through extra gauges.

In full view, long press the lower center of the screen to show one of the following options. Cycle through the options with additional long presses.

- Vehicle total distance
- Trip A distance

VEHICLE INFORMATION

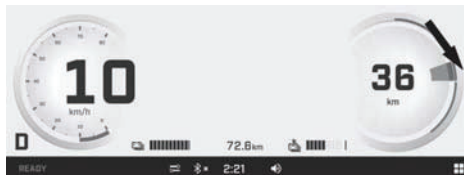
- Trip A hours
- Trip B distance
- Trip B hours
- Vehicle total hours



Narrow View Display

To change from full view to narrow view, open an applet or slide the divider on the right side.

To change back to full view, long press on applet switcher or slide the divider back in place.



The size of the left and right lateral displays cannot be adjusted.

Left Lateral Display

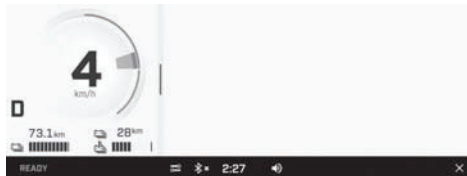
In narrow view, the left lateral display includes:

- Speedometer and performance gauge
- Trip meter

SKI-DOO GRAND TOURING ELECTRIC

In narrow view, long press the tripmeter to show one of the following options. Cycle through the options with additional long presses.

- Current ride distance
- Trip A distance
- Trip A hours
- Trip B distance
- Trip B hours
- Current ride hours

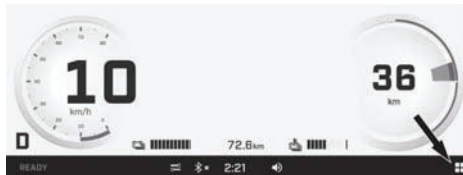


Right Lateral Display

In narrow view, the right lateral display includes various apps. Refer to *App Menu* for more information.

Applet Menu

To access the applet menu, press the applet menu icon on the bottom-right corner.

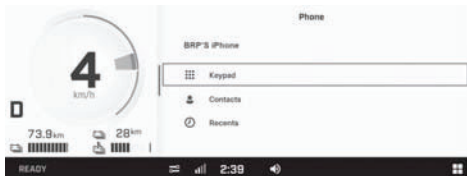


Press on an applet icon to open it.



VEHICLE INFORMATION

Phone



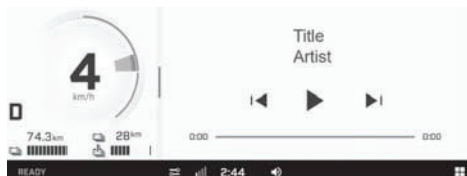
The Phone applet menu is used to access the:

- Keypad
- Phone contact list
- Phone history

NOTE:

To have access to the Phone menu, a phone and rider helmet (Headset) must be paired. Refer to *Pairing your Smartphone Via Bluetooth*.

Media



The Media applet is used to:

- Control song choice in the helmet audio system
- View song information (when available)

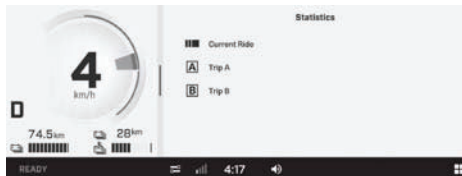
This vehicle is not equipped with speakers. An appropriate helmet audio system is required to listen to music.

SKI-DOO GRAND TOURING ELECTRIC



Volume can be adjusted using the status bar volume icon on the touchscreen.

Statistics



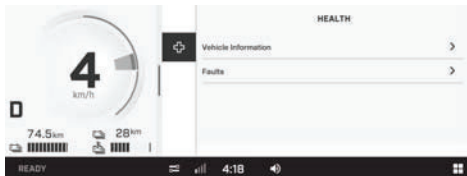
The Statistics applet is used to access :

- Trip distance information
- Trip elapsed time information
- Average speed

Three sets of statistics are stored in memory. Trip A and Trip B can be reset independently. Current ride statistics will be reset when the vehicle restart.

VEHICLE INFORMATION

Vehicle Settings



The Vehicle Settings applet is used to:

- View vehicle health, including:
 - Vehicle information
 - Faults (codes and description)

Preferences

The Preferences applet is used to:

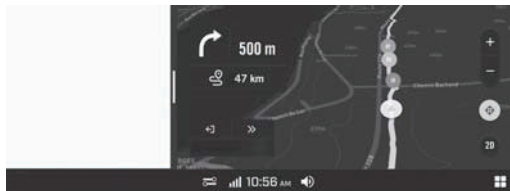
- Adjust the display brightness and appearance (Light/Dark/Auto)

- Pair Bluetooth devices:
 - Phone
 - Driver headset
 - Passenger headset
- Connect the vehicle to a Wi-Fi network
- Access general settings:
 - Adjust the units (Imperial/Metric)
 - Set the language
 - Set the date and time
 - Perform a software update
 - Get information about manufacturer information and device regulatory compliance
 - Reset to factory settings
- Define the applets to be used with the applet switcher button while riding

It is recommended to check for software updates regularly.

SKI-DOO GRAND TOURING ELECTRIC

Navigation App (using the BRP GO! App)



To use the Navigation app on the display, you must connect (USB connection) a mobile device with the BRP GO! app.

NOTICE

For more information on the BRP GO! app, see the BRP GO! section in this manual or visit the Ski-Doo website.

NOTICE

The smartphone must be connected with a USB cable to the USB port located in the glove box.

The user's personal data will be deleted from the cluster when the device is disconnected.

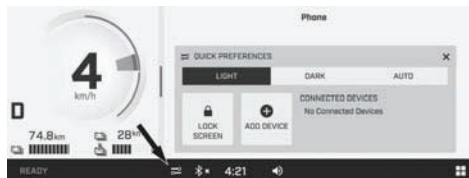
The user agrees that personal data (contact list and call history) will be transferred to the cluster when device is connected.

A compatible device with an active data plan is required to use the BRP GO! app.

VEHICLE INFORMATION

Quick Preferences

To access the Quick Preferences menu, press the following icon.



The Quick Preferences menu is used to:

- Adjust the display appearance (Light/Dark/Auto)
- Lock the screen (press and hold anywhere on the screen to unlock)
- Add a Bluetooth device
- View connected Bluetooth devices

Tell-Tales and Indicators

The following tell-tales and indicators will alert you to a vehicle condition or malfunction. Some tell-tales will illuminate when starting the vehicle to verify operation. If any tell-tales remain on after starting the vehicle, refer to *MONITORING SYSTEM* in *TROUBLESHOOTING*.

NOTE:

Some warning tell-tales appear in the multifunction display of the instrument cluster but will not display when starting the vehicle.

Tell-tales

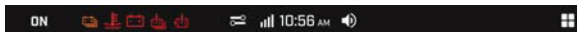
The tell-tales are found in two locations of the instrument cluster:





- Status bar of the multifunction display
- Bottom bar of the instrument cluster






SKI-DOO GRAND TOURING ELECTRIC

Status Bar




TELL-TALES ON THE DISPLAY



Tell-tale	Description
	RED - Coolant temperature
	AMBER - Automatic power reduction (due to low state of charge, system temperature too high or low, or a problem with drive components)
	RED - Propulsion battery failure
	ORANGE - Propulsion battery state of charge is low




Tell-tale	Description
	AMBER - Electrical fault or problem detected with the charging system
	RED - 12V battery voltage too low or there is a problem with the electrical system
	External cord connected
	ORANGE - Error with the connected external cord
	RED - Electric motor failure

VEHICLE INFORMATION

Tell-tale	Description
	Charging indicator
	Vehicle ON indicator
	Vehicle READY indicator








Bottom Bar of Instrument Cluster Pilot Lamps – 10.25” Color Digital Touchscreen



Tell-tale	Description
	ORANGE - Vehicle malfunction
	BLUE - The high beams are selected
	RED - Parking brake is engaged or malfunction of the brake system

SKI-DOO GRAND TOURING ELECTRIC

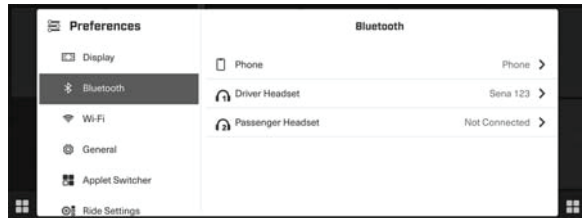
Icons and Indicators - Status Bar

Icon	Description
	Shut down
	Quick Preferences
	Smartphone network connection
	Clock
	Audio volume
	Ambient temperature
	Applet menu

Pairing your Smartphone via Bluetooth

On the Vehicle

1. Open the Applet menu
2. Select “Preferences”
3. Select “Bluetooth”



4. Select “Phone”
5. Select “Add Device”

VEHICLE INFORMATION

NOTICE

More than one smartphone can be paired with the vehicle. However, only one will connect at any given time.

On the Phone

1. Activate your phone's Bluetooth function.
Refer to your manufacturer's user guide for detailed procedure.
2. Select the name of your phone in the list of available devices.
3. A confirmation number will appear on the display and on the phone. Make sure that the numbers match.
4. Select Pair.
5. Allow Contacts and Favorite Sync.

Pairing a Headset

To pair a headset, refer to *Pairing your Smartphone Via Bluetooth* and select "Driver Headset" or "Passenger Headset".

Messages in Multifunction Display

Important information about your vehicle condition is displayed on the multifunction display. When starting the vehicle, always look at the display for any tell-tales and indicators or messages.

Important information messages can also be displayed temporarily to assist tell-tales and indicators.

Notifications will always appear at the top right corner of the screen.

There are two types of notifications:

- Vehicle notifications include warning, caution and notice messages
- Infotainment notifications include messages regarding connected devices

SKI-DOO GRAND TOURING ELECTRIC

Vehicle notifications have priority over infotainment notifications when they are both present at the same time.

In the event that the vehicle goes into limited performance mode, BRP recommends having the vehicle transported. If you operate the vehicle in limited performance mode, avoid abrupt maneuvers and immediately go to the nearest authorized BRP snowmobile dealer to have your vehicle serviced before riding again. In limited performance mode, power and vehicle speed are limited.

BRP GO! App

1) Download the BRP GO! Smartphone App

Download the BRP GO! app via the App Store for Apple™ or the Google™ Play Store for Android.

2) Connect your smartphone using a USB cable

It is recommended to use an original USB charging cable from the smartphone OEM to optimize transfer between the phone and the vehicle. Use the front USB port.

Make sure you accept the permissions requested by BRP GO! on your phone. If certain permissions are not accepted, connection issues could result.

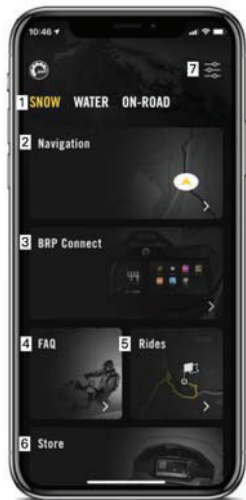
1. Unlock your phone
2. Connect your phone charging cable
3. A checkmark will appear on your phone screen when the connection is successful

3) Access your apps

Press the App Menu icon to access apps. Select “Navigation.”

VEHICLE INFORMATION

Quick Tour of the BRP GO! App



1. Playground: Select your playground to see content related to your vehicle. For Ski-Doo snowmobiles, select the Snow playground.
2. Navigation: Access all the navigation features of the app, such as route planning, turn-by-turn navigation, friends' locations, offline navigation and more. You can access thousands of snowmobile trails across North America and Europe on the map.
3. Connect to My Vehicle: Find steps to help you connect the BRP GO! app to the 10.25" touch-screen display.
4. FAQ: This link takes you to answers of common questions asked by riders like you. An internet connection is required.
5. Rides: Easily access your planned and completed rides made with the Navigation features of the BRP GO! app.
6. Store: This link takes you to the online store for your vehicle. An internet connection is required.
7. Profile: Manage your profile and account settings.

SKI-DOO GRAND TOURING ELECTRIC

RIDING CONDITIONS AND YOUR SNOWMOBILE

Hard Packed Snow

All models covered in this guide which are equipped with a minimum track profile of 44 mm (1.75 in) are built for deep snow conditions and should never be used during a prolonged period of time in marginal or hard packed snow conditions.

In the event you have to ride in these types of conditions:

- Avoid exceeding a speed of 70 km/h (45 mph) in all conditions
- Avoid hard acceleration (over 75% of accelerator)
- Ice scratchers should be applied

NOTICE

Running these types of tracks at high speed on a trail, on hard packed surfaces or on ice puts more stress on the lugs, which tend to heat up as a result. It also could drastically reduce the life of specific wear parts. To avoid potential degradation, delamination or damages to the track and wear parts, reduce your speed and minimize the distance that is being ridden on these types of surfaces.

Vehicles Equipped with Ice Scratchers

Ice scratchers are equipped on the vehicle to lubricate and cool track clips and sliders. They must be used whenever on ice, hard packed snow or any conditions that do not lift enough snow particles into the rear suspension and the tunnel. Also, it is beneficial to use ice scratchers whenever possible in order to maximize EV range.

VEHICLE INFORMATION

NOTICE

Riding in these trail conditions puts the reliability of the track and its warranty at risk.

TUNE YOUR RIDE

Snowmobile handling and comfort depend upon multiple adjustments.

WARNING

Suspension adjustment could affect vehicle handling. Always take time to familiarize yourself with the vehicle's behavior after any suspension adjustments have been made. Always adjust LH and RH suspension components to the same setting.

Choice of suspension adjustments vary with carrying load, operator's weight, personal preference, riding speed and field conditions.

NOTICE

Some adjustments may not apply to your snowmobile.

SKI-DOO GRAND TOURING ELECTRIC

WARNING

Before proceeding with any suspension adjustment, remember:


- Park in a safe place.
- Remove the tether cord cap from the cut-off switch.
- Use appropriate lifting device or have assistance to share lifting stress. If a lifting device is not used, use proper lifting techniques, including lifting with your legs.
- Do not attempt to lift the front or rear of vehicle if it is above your limits.
- Support front of vehicle off the ground with a suitable device before adjusting suspension.
- Support rear of vehicle off the ground with a wide-base snowmobile stand with a rear deflector panel.
- Make sure support device is stable and secure.

The best way to set up the suspension is to customize each adjustment one at a time. Various adjustments are interrelated. It may be necessary to readjust center spring after adjusting front springs for instance. Test run the snowmobile under the same conditions (trail, speed, snow, operator riding position, etc). Proceed methodically until you are satisfied.

Following are guidelines to fine-tune suspension. Use the suspension adjustment tool provided in the tool kit.

VEHICLE INFORMATION

Front Suspension Adjustments

Vehicle Deactivation Level:	
-----------------------------	---

See *Vehicle Deactivation Classification* for more information.

Front Springs

Front spring preload has an effect on front suspension firmness.

Front spring preload also has an effect on the steering behavior.

Action	Result
Increasing preload	Firmer front suspension
	Higher front end
	More precise steering
	More bump absorption capability
	Increased drag / reduced range

SKI-DOO GRAND TOURING ELECTRIC

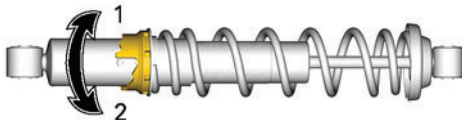
Action	Result
Decreasing preload	Softer front suspension
	Lower front end
	Lighter steering
	Less bump absorption capability
	Reduced drag / increased range

⚠ WARNING

Adjust both springs to the same preload. Uneven adjustment can cause poor handling and loss of stability and/or control and increase the risk of an accident.

Cam Type Adjuster

Using the suspension adjustment tool provided in the tool kit, turn the cam to increase or decrease the spring preload.



1. Increase preload
2. Decrease preload

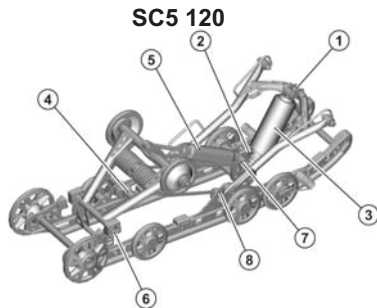
VEHICLE INFORMATION

Rear Suspension Adjustments

Vehicle Deactivation Level:



See *Vehicle Deactivation Classification* for more information.



- ① Stopper strap
- ② Center spring
- ③ Center shock absorber
- ④ Rear spring
- ⑤ Rear shock absorber
- ⑥ Coupling blocks
- ⑦ Rear shock lower pivot
- ⑧ Front arm

NOTICE

Whenever adjusting rear suspension, check track tension and adjust if necessary.

SKI-DOO GRAND TOURING ELECTRIC

Stopper Strap – SC5 120

Stopper strap length has an effect on the amount of weight the center spring has to carry, especially during acceleration. This affects front end uplift.

Stopper strap length also has an effect on center spring travel.

NOTICE

Whenever stopper strap length is changed, track tension must be checked.

Action	Result
Increasing stopper strap length	Lighter ski pressure under acceleration
	More center spring travel
	More bump absorption capability

Action	Result
Decreasing stopper strap length	Heavier ski pressure under acceleration
	Less center spring travel
	Less bump absorption capability

NOTE:

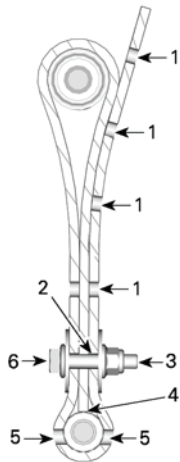
Stopper strap can be set to position 4, 5 and 6. The following are illustrations for positions 4 and 6. Smaller numbers correspond to a longer strap setting.

NOTICE

Do NOT set to a position lower than 4. It could lead to center shock damage.

VEHICLE INFORMATION

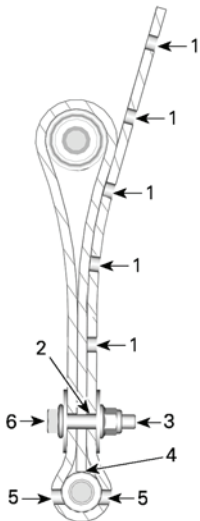
Stopper strap Position 4 (4th hole, factory settings)



- ① Free holes
- ② 4th hole from end
- ③ Towards rear
- ④ Tip of strap touching strap axis
- ⑤ Two holes left open between screw head and nut
- ⑥ Towards front

SKI-DOO GRAND TOURING ELECTRIC

Stopper strap Position 6 (6th hole)



- ① Free holes
- ② 6th hole from end
- ③ Towards rear
- ④ Tip of strap touching strap axis
- ⑤ Two holes left open between screw head and nut
- ⑥ Towards front

Always install the stopper strap bolt as close as possible to the lower shaft.

NOTICE

Decreasing the stopper strap length may reduce comfort.

When operating the snowmobile in deep snow, it may be necessary to vary the stopper strap length and/or the riding position to change the angle at which the track rides on the snow. The operator's familiarity with the various adjustments as well as snow conditions will dictate the most efficient combination.

VEHICLE INFORMATION

Generally, a longer stopper strap setting provides better performance in deep snow on a flat landscape.

Center Spring

Center spring preload has an effect on steering effort, handling and bump absorption.

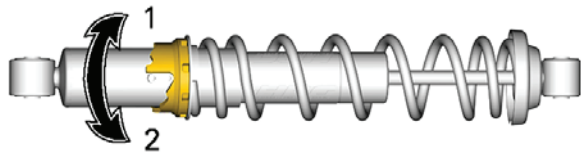
Since center spring preload adjustment puts more or less pressure on the front of the track, it has an effect on performance in deep snow.

Action	Result
Increasing preload	Lighter steering
	More bump absorption capability
	Better deep snow starts
	Better deep snow performance and handling

Action	Result
Decreasing preload	Heavier steering
	Less bump absorption capability
	Better trail handling

Cam Type Adjuster

Using the suspension adjustment tool provided in the tool kit, turn the cam to increase or decrease the spring preload.



1. Increase preload
2. Decrease preload

SKI-DOO GRAND TOURING ELECTRIC

Rear Spring

Rear spring preload has an effect on comfort, ride height and load compensation.

Also, adjusting rear spring preload shifts more or less weight to the snowmobile front end. As a result, more or less weight is applied to the skis. This has an effect on performance in deep snow, steering effort and handling.

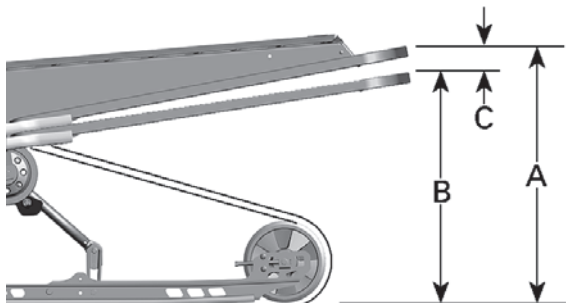
Slight suspension bottoming occurring under the worst riding conditions indicates a good choice of spring preload.

Action	Result
Increasing preload	Firmer rear suspension
	Higher rear end
	More bump absorption capability
	Heavier steering
Decreasing preload	Softer rear suspension
	Lower rear end
	Less bump absorption capability
	Lighter steering
	Better performance and handling in deep snow

Refer to the following to determine if preload is correct.

VEHICLE INFORMATION

Typical - proper adjustment



- A = Suspension fully extended
- B = Suspension has collapsed with operator, passenger and load added
- C = Distance between dimension "A" and "B," see table below

C	What to do
50 to 75 mm (2 to 3 in)	No adjustment required
More than 75 mm (3 in)	Adjusted too soft. Increase preload
Less than 50 mm (2 in)	Adjusted too firm. Decrease preload

NOTICE

If the specification is unattainable with the original springs, see an authorized Ski-Doo dealer for other available springs.

To increase spring preload using the tool, always turn the left side adjustment cam in a clockwise direction, and the right side cam in a counterclockwise direction.

SKI-DOO GRAND TOURING ELECTRIC

CAUTION

Never set preload cams directly from position 5 to 1 or directly from position 1 to 5.

WARNING

Both rear springs preload must be set at the same position. Otherwise vehicle behavior may be unpredictable, and suspension may become warped.

The adjustment cams have 5 different settings, 1 being the softest.

Coupling Blocks (SC5 120)

The adjustment of the coupling blocks has an effect on vehicle handling during acceleration only.

NOTICE

A high coupling block setting will reduce both comfort and transfer under acceleration.

To adjust, turn the coupling block to the desired setting.

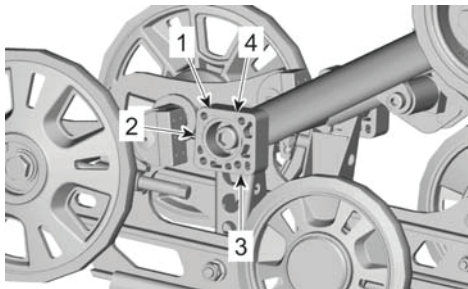
Use an appropriate tool to place the desired setting number towards the rubber stopper.

WARNING

Both blocks must be set at the same position. Otherwise vehicle behavior may be unpredictable and suspension may become warped.

VEHICLE INFORMATION

Coupling block - Right side view (R - RIGHT embossed on block)



- ① Position 1 (minimum)
- ② Position 2
- ③ Position 3
- ④ Position 4 (maximum)

Coupling Blocks Setting

Position	use
1	More ski lift during acceleration - and best comfort
2	Intermediate setting
3	Intermediate setting
4	Less ski lift during acceleration - and some comfort loss

SKI-DOO GRAND TOURING ELECTRIC

Adjustment Tips According to Vehicle Behavior

Problem	Corrective Measures
Front suspension darting	<p>Check ski alignment.</p> <ul style="list-style-type: none">• Reduce front suspension spring preload• Increase center spring preload• Reduce rear spring preload
Steering feels too heavy at steady speeds	<ul style="list-style-type: none">• Reduce front suspension spring preload• Increase center spring preload
Steering feels too heavy during acceleration	<ul style="list-style-type: none">• Set coupling blocks to a lower position (if equipped)• Reduce rear spring preload• Lengthen limiter strap
Too much ski lift during cornering or acceleration	<ul style="list-style-type: none">• Set coupling blocks to a higher position (if equipped)• Shorten limiter strap• Increase rear spring preload
Rear of snowmobile seems too stiff	<ul style="list-style-type: none">• Reduce rear spring preload• Reduce compression damping adjustment (if equipped)
Rear of snowmobile seems too soft	<ul style="list-style-type: none">• Increase rear spring preload

VEHICLE INFORMATION

Problem	Corrective Measures
Rear suspension is frequently bottoming	<ul style="list-style-type: none">• Increase compression damping adjustment (if equipped)• Increase rear spring preload• Increase center spring preload• Lengthen limiter strap
Snowmobile seems to pivot around its center	<ul style="list-style-type: none">• Reduce center spring preload• Increase rear spring preload• Increase front suspension spring preload• Shorten limiter strap
Track spins too much at start	<ul style="list-style-type: none">• Set coupling blocks to a lower position (if equipped)• Lengthen limiter strap

SKI-DOO GRAND TOURING ELECTRIC

MAINTENANCE SCHEDULE

Maintenance is very important to keep your vehicle in a safe operating condition. The vehicle should be serviced as per the maintenance schedule.

Proper maintenance is the owner's responsibility. A warranty claim may be denied if, among other things, the owner or operator caused the problem through improper maintenance or use.

Perform periodic checks and follow the maintenance schedule. **The maintenance schedule does not exempt the pre-ride inspection.**

WARNING

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

Trail / Crossover / Utility Usage

Whether your vehicle is a Trail, Crossover, or Utility model, it requires yearly maintenance. These items are identified as A+ in the chart below.

If you regularly ride in **trails, explore the countryside or work** with your snowmobile, follow the A+ Trail / Crossover / Utility interval and perform the tasks outlined in the chart below.

Maintenance Schedule

Make sure to perform proper maintenance at recommended intervals as indicated in the tables.

The maintenance chart indicates items needing to be addressed based on 2 criteria, whichever happens first:

- Calendar time
- Odometer reading

MAINTENANCE

Your driving habits determine the factors you should adhere to. For example:

- Someone who uses their vehicle every other weekend trail riding with friends would most likely follow the **odometer reading** to determine the frequency of his maintenance.
- Someone who uses their vehicle seldomly over the year or only on a few occasions would follow the **calendar time** to determine the frequency of his maintenance.

NOTICE

The following tables show the appropriate maintenance application for the first 3 years. For subsequent years, repeat the same pattern alternatively.

Maintenance Overview		
Calendar Time	Odometer	Trail / Cross Over / Utility
Every Month	1500 km (1000 mi)	A+
1 Year	3000 km (2000 mi)	A
Every Month	4500 km (3000 mi)	A+
2 Years	6000 km (4000 mi)	A and B
Every Month	7500 km (5000 mi)	A+

SKI-DOO GRAND TOURING ELECTRIC

Rotax E-Power

TRAIL / CROSSOVER / UTILITY	A+	A	B
A = Adjust			
C = Clean			
I = Inspect			
L = Lubricate			
R = Replace			
T = Torque			
	Every month or 1500 km (1000 mi)	Every year or 3000 km (2000 mi)	Every 2 years or 6000 km (4000 mi)
Body and Chassis			
Body panels and hardware		I, T	
Pivots, latches, hinges and key barrels		L	
Cooling			
Coolant	I	R Every 5 years	
Cooling components (coolant concentration, coolant level, hose condition, clamps, leaks)	I	I	

MAINTENANCE

TRAIL / CROSSOVER / UTILITY	A+	A	B
A = Adjust			
C = Clean			
I = Inspect			
L = Lubricate			
R = Replace			
T = Torque			
	Every month or 1500 km (1000 mi)	Every year or 3000 km (2000 mi)	Every 2 years or 6000 km (4000 mi)
Brake			
Brake components and function		I, L	
Brake fluid		R Every 2 years	
Drive			
Gearbox / chaincase oil level	I	I	
Track alignment and tension	A	I, A	
Gearbox / chaincase oil			R

SKI-DOO GRAND TOURING ELECTRIC

TRAIL / CROSSOVER / UTILITY	A+	A	B
A = Adjust			
C = Clean			
I = Inspect			
L = Lubricate			
R = Replace			
T = Torque			
	Every month or 1500 km (1000 mi)	Every year or 3000 km (2000 mi)	Every 2 years or 6000 km (4000 mi)
Low-Voltage Electrical			
12V battery connections and condition		I	
Low voltage electrical harness routing		I	
Headlight aim		A	
Operation of control switches and lighting		I	
Modules and applicable software updates		I	
High-Voltage Electrical			
Charging Port		I	
High voltage cables		I	
High voltage components cooling		I	

MAINTENANCE

TRAIL / CROSSOVER / UTILITY	A+	A	B
A = Adjust			
C = Clean			
I = Inspect			
L = Lubricate			
R = Replace			
T = Torque			
	Every month or 1500 km (1000 mi)	Every year or 3000 km (2000 mi)	Every 2 years or 6000 km (4000 mi)
Steering and Controls			
Accelerator operation	I	I	
Ski runners	I	I	
Steering alignment		I, A	
Steering components and function		I	
Suspension			
Suspension components and function		I, L	

SKI-DOO GRAND TOURING ELECTRIC

MAINTENANCE PROCEDURES

This section includes instructions for basic maintenance procedures.

WARNING

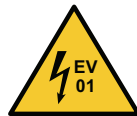
Turn off the vehicle, remove tether cord cap and follow these maintenance procedures when performing maintenance. If you do not follow proper maintenance procedures you can be injured by hot parts, moving parts, electricity, chemicals or other hazards.

WARNING

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

Coolant

Vehicle Deactivation Level:



See *Vehicle Deactivation Classification* for more information.

WARNING

Never open cooling system reservoir cap when coolant is hot.

MAINTENANCE

Coolant Level Verification

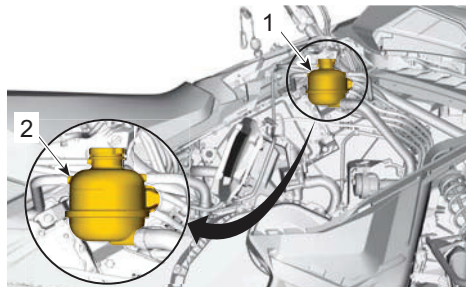
Open the RH side panel. See *Body and Seat*.

Check coolant level at room temperature. Liquid should be at cold level line of coolant tank.

NOTE:

When checking level at low temperature, it may be slightly lower than the mark.

If additional coolant is necessary or if entire system has to be refilled, refer to an authorized BRP snowmobile dealer, repair shop or person of your own choosing.



- ① Coolant reservoir
- ② COLD line

SKI-DOO GRAND TOURING ELECTRIC

Recommended Coolant

RECOMMENDED COOLANT

XPS Extended life pre-mixed coolant

IF THE RECOMMENDED XPS COOLANT IS
NOT AVAILABLE

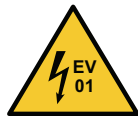
Distilled water and antifreeze solution (50% distilled
water, 50% antifreeze)

NOTICE

Always use low conductivity coolant specifically
formulated for electric vehicles.

Brake Fluid

Vehicle Deactivation Level:



See *Vehicle Deactivation Classification* for more
information.

Verifying the Brake Fluid Level

NOTICE

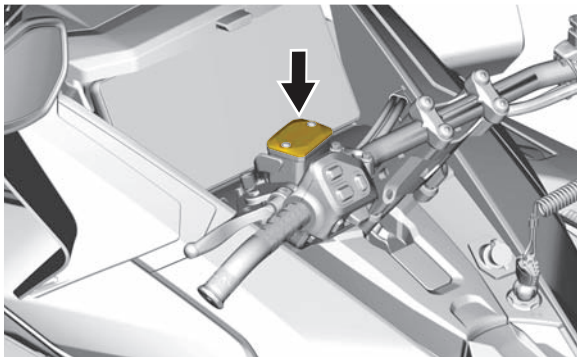
Vehicle must be on a level surface before checking
any fluid levels.

1. Position the handlebar in the straight-ahead position to ensure the reservoir is level.

MAINTENANCE

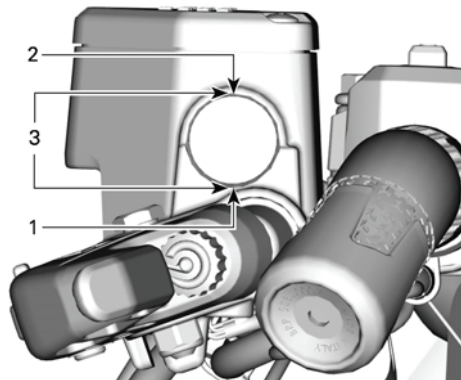
2. Check brake fluid in the reservoir for proper level.

Typical



Brake fluid must always be above the bottom of the window when brake lever is squeezed.

Typical



- ① Minimum
- ② Maximum
- ③ Operating range

SKI-DOO GRAND TOURING ELECTRIC

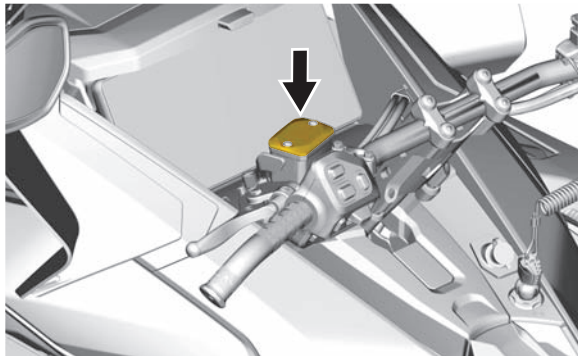
If brake fluid level keeps dropping during or after each ride, or if entire system has to be refilled, refer to an authorized BRP dealer, repair shop, or a person of your own choosing for servicing.

Adding Brake Fluid

NOTICE

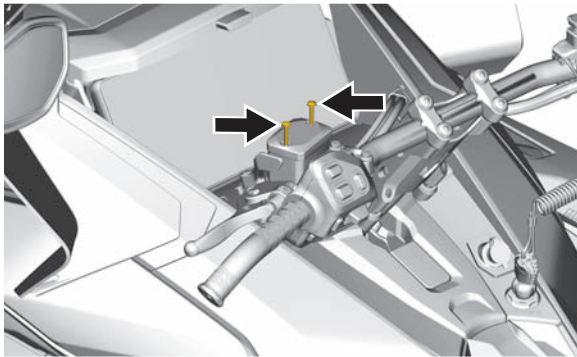
Vehicle must be on a level surface before checking any fluid levels.

1. Clean the reservoir cap.

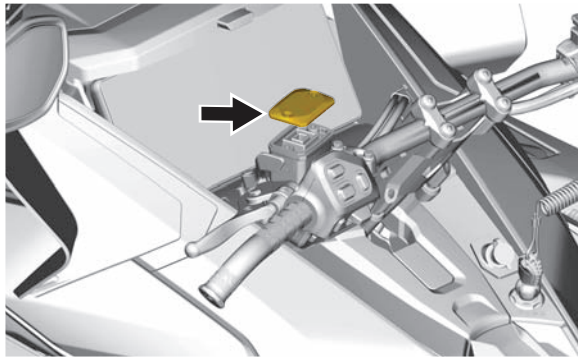


MAINTENANCE

2. Remove the screws retaining the reservoir cap.



3. Remove the reservoir cap.



4. Add fluid as required. Do not overfill. Use only the recommended brake fluid. Refer to *Recommended Brake Fluid* in this subsection.

SKI-DOO GRAND TOURING ELECTRIC

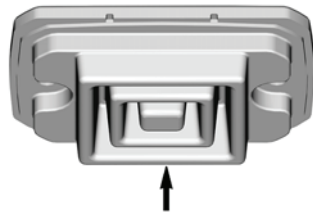
⚠ CAUTION

Avoid getting brake fluid on skin or eyes - it may cause severe burns. In case of contact with the skin, wash thoroughly. In case of contact with the eyes, immediately rinse with plenty of water for at least 10 minutes and then consult a doctor immediately.

NOTICE

- Brake fluid can damage paint, rubber and plastic parts
- Protect these nearby parts with a rag when servicing the brake system
- Rinse thoroughly in case of spillage

5. Ensure the diaphragm is pushed in the reservoir cap before installing the cap on the reservoir.



6. Reinstall reservoir cap and screws. Tighten to specification.

Tightening Torque	
Reservoir cap screws	0.7 ± 0.1 Nm (6 ± 1 lbf-in)

MAINTENANCE

Recommended Brake Fluid


Recommended Brake Fluid
XPS DOT 4 Brake Fluid
Alternative or if not available
DOT 4 Brake Fluid

Use only DOT 4 brake fluid from a sealed container. An opened container may be contaminated or may have absorbed moisture from the air.

WARNING

Use only DOT 4 brake fluid from a sealed container. To avoid serious damage to the braking system, do not use fluids other than the recommended one, nor mix different fluids for topping up.

Chaincase Oil

Vehicle Deactivation Level:	
-----------------------------	---

See *Vehicle Deactivation Classification* for more information.

Recommended Chaincase Oil

Recommended Chaincase Oil
XPS Synthetic gearcase oil
Alternative or if not available
75W140 gear oil that meets the API GL-5 specification

SKI-DOO GRAND TOURING ELECTRIC

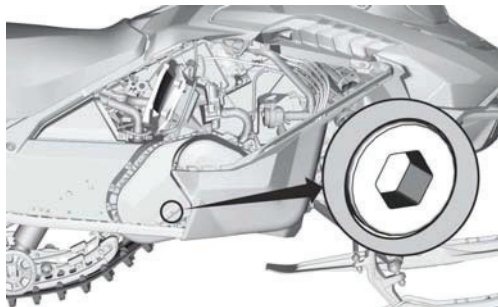
NOTICE

If the recommended XPS gearcase oil is not available, use a 75W140 gear oil that meets the API GL-5 specification. The gearcase of this snowmobile has been developed and validated using the XPS™ Synthetic gearcase oil. BRP strongly recommends the use of its XPS Synthetic chaincase oil at all times. Damages caused by oil which is not suitable for the chaincase will not be covered by the BRP limited warranty.

Verifying the Chaincase Oil Level

With the vehicle on a level surface, check the oil level by removing the check plug.

Check plug



The oil level must reach the threaded hole.

If the level is correct, reinstall the check plug to the specified torque.

Tightening Torque

Check plug	6 ± 1 Nm (53 ± 9 lbf-in)
------------	-----------------------------------

If level is insufficient, refer to *Chaincase Filling Procedure*.

MAINTENANCE

Replacing the Chaincase Oil

Draining the Chaincase Oil

1. Place the vehicle on a level surface.
2. Place a drain pan under the chaincase drain plug area.
3. Remove the filler cap.
4. Remove the drain plug located at the bottom of the chaincase.



5. Wait a while to allow all oil to drain out of the chaincase.
6. Install drain plug and tighten to specification.

Tightening Torque

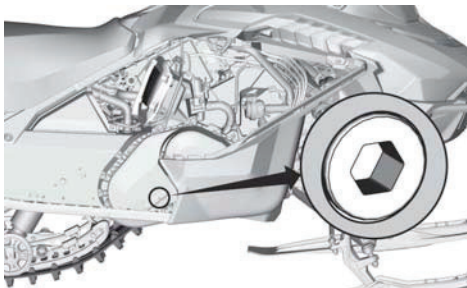
Chaincase drain plug	6 ± 1 Nm (53 ± 9 lbf-in)
----------------------	-----------------------------------

SKI-DOO GRAND TOURING ELECTRIC

Filling the Chaincase

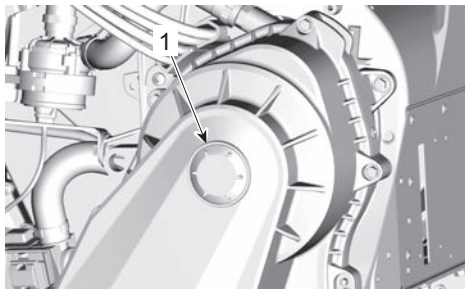
1. Open the RH side panel. Refer to *Equipment*.
2. Remove the check plug.

Check plug



3. Remove the filler cap.

Typical - top of chaincase



- ① Filler cap
4. Pour recommended oil in the filler hole until oil comes out by the check plug hole.


MAINTENANCE

5. Reinstall the check plug and tighten to specification.

Tightening Torque	
Check plug	6 ± 1 Nm (53 ± 9 lbf-in)

Reinstall the filler cap.

Drive Chain


Vehicle Deactivation Level:	
-----------------------------	---

See *Vehicle Deactivation Classification* for more information.

Access to Chaincase


Open RH side panel, refer to *Equipment*.

Track

Vehicle Deactivation Level:	
-----------------------------	---

See *Vehicle Deactivation Classification* for more information.

Track Condition

 WARNING
Remove the tether cord cap from the vehicle cut-off switch before performing any maintenance or adjustment, unless otherwise specified. The vehicle must be parked in a safe place, away from the trail.

Remove the tether cord cap from the vehicle cut-off switch.

SKI-DOO GRAND TOURING ELECTRIC

Lift the rear of the snowmobile and support it using a wide-base snowmobile mechanical stand with a rear deflector panel. With the vehicle off, rotate the track by hand, and inspect condition. If worn or cut, if track fibers are exposed or if missing or defective inserts or guides are noted, contact an authorized BRP snowmobile dealer.

Snowmobiles Equipped with Traction Enhancing Products

If your snowmobile is equipped with a BRP approved studded track, **PROCEED WITH A VISUAL INSPECTION OF YOUR TRACK BEFORE EACH USE.**

Look for any defects, such as:

- Perforations in the track
- Tears in the track (particularly around traction holes on studded tracks)

- Lugs that are broken or torn off, exposing portions of rods
- Delamination of the rubber
- Broken rods
- Broken studs (studded tracks)
- Bent studs (studded tracks)
- Missing studs
- Studs that are torn off the track
- Missing track guide(s)
- Ensure that stud nuts are tightened to the recommended torque

MAINTENANCE

On approved studded tracks, replace broken or damaged studs immediately. If your track shows signs of deterioration, it must be replaced immediately. When in doubt, ask your dealer.

WARNING

Riding with a damaged track or studs could lead to a loss of control.

Track Tension and Alignment

NOTICE

Track tension and alignment are interrelated.
Do not adjust one without the other.

WARNING

To prevent serious injury to individuals near the snowmobile:

- NEVER stand behind or near a moving track.
- Always use a wide-base snowmobile stand with a rear deflector panel if it is necessary to rotate the track.
- When the track is raised off the ground, only run it at the lowest possible speed.

Centrifugal force could cause debris, damaged or loose studs, pieces of torn track, or an entire severed track to be violently thrown backward out of the tunnel with tremendous force, possibly resulting in the loss of a leg or other serious injury.

SKI-DOO GRAND TOURING ELECTRIC

Verifying the Track Tension

NOTICE

Ride the snowmobile in snow about 15 to 20 minutes prior to adjusting track tension.

1. Remove the tether cord cap from the vehicle cut-off switch.
2. Lift the rear of vehicle and support it off the ground.

CAUTION

Use proper lifting techniques, including lifting with your legs. Do not attempt to lift the rear of vehicle if it is above your limits.

3. Allow the rear suspension to fully extend.

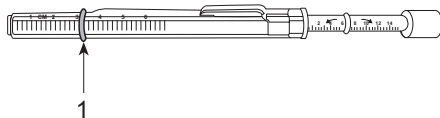
4. Prepare the tensiometer.

Service tool

Tensiometer
(P/N 414348200)



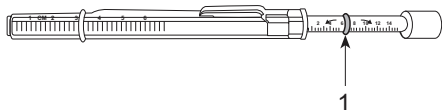
- a. Set the bottom O-ring as per the *Track Deflection* from the applicable vehicle in the *Technical Specifications* table.



- ① Bottom O-ring

MAINTENANCE

- b. Place the upper O-ring to 0 kgf (0 lbf).

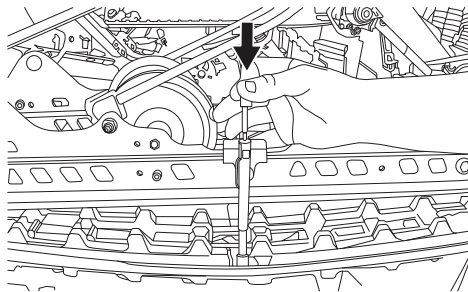


① Upper O-ring

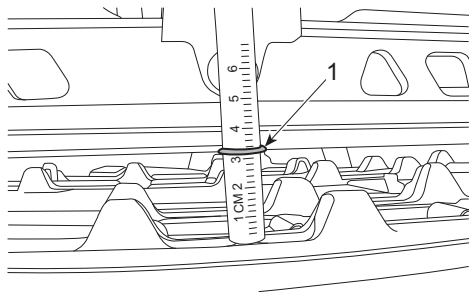
5. Position the tensiometer on the track, halfway between front and rear idler wheels.

6. Push the tensiometer downward until the bottom O-ring (deflection set earlier) is aligned with the bottom of slider shoe.

Typical

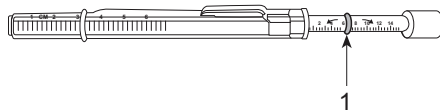


SKI-DOO GRAND TOURING ELECTRIC



- ① Deflection O-ring aligned with slider shoe
7. Read the load recorded by the upper O-ring on the tensiometer.

Typical - Load Reading



- ① Upper O-ring
8. The load reading must be as per the track deflection in the *Technical Specifications*.
9. If the load reading is not in accordance with the specification, adjust the track tension. Refer to *Track Tension Adjustment*.

MAINTENANCE

Adjusting the Track Tension

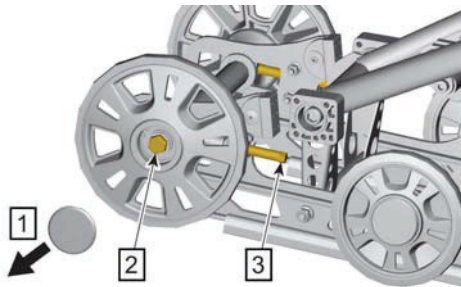
1. Remove the tether cord cap from the vehicle cut-off switch.

⚠ CAUTION

Use proper lifting techniques, including lifting with your legs. Do not attempt to lift the rear of vehicle if it is above your limits.

2. Remove the wheel caps.
3. Loosen the rear axle screw or, on 2 idler wheel models, the rear axle nut.
4. Tighten or loosen both adjustment screws (equally) to increase or decrease track tension.

Typical



- ① Remove cap
- ② Loosen the axle screw or nut
- ③ Tighten or loosen adjustment screws

SKI-DOO GRAND TOURING ELECTRIC

5. If correct tension is unattainable, contact an authorized BRP snowmobile dealer.
6. Retighten the rear axle fasteners to specification.

TIGHTENING TORQUE

Rear idler wheel retaining screws	48 ± 6 Nm (35 ± 4 lbf-ft)
-----------------------------------	---------------------------

7. Check track alignment as described below.

Aligning the Track

WARNING

Before checking track alignment, ensure that the track is free of all particles which could be thrown out while track is rotating. Keep hands, tools, feet and clothing clear of track. Always lift the snowmobile on a wide-base stand with a rear deflector panel. Ensure no one is standing in close proximity to the snowmobile, especially at the rear of the track. Never rotate track at high speed. Centrifugal force could cause debris, damaged or loose studs, pieces of torn track, or an entire severed track to be violently thrown backwards out of the tunnel with tremendous force.

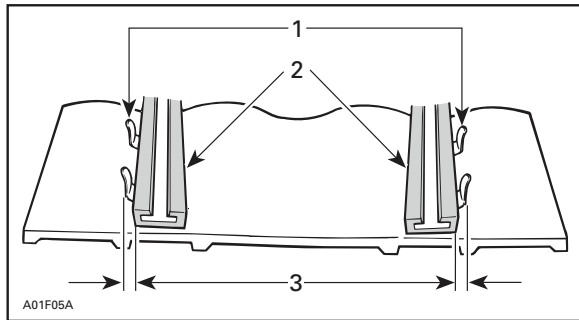
1. Lift the rear of the vehicle and support it off the ground.

MAINTENANCE

⚠ CAUTION

Use proper lifting techniques, including lifting with your legs. Do not attempt to lift the rear of vehicle if it is above your limits.

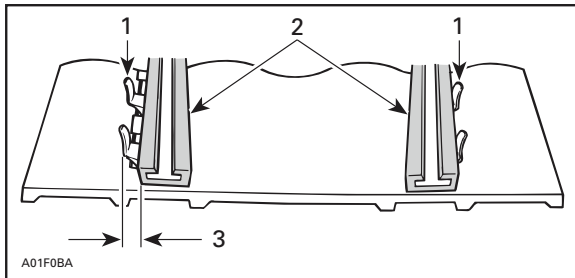
2. Start the vehicle and accelerate slightly so that the track slowly turns. This must be done in a short period of time (15 to 20 seconds).
3. Check that the track is well centered; equal distance on both sides between edges of track guides and slider shoes.



- ① Guides
- ② Slider shoes
- ③ Equal distance

SKI-DOO GRAND TOURING ELECTRIC

4. To correct track alignment:



- ① Guides
- ② Slider shoes
- ③ Tighten on this side
 - a. Stop the vehicle.
 - b. Remove the tether cord cap from the vehicle cut-off switch.

⚠ WARNING

Remove the tether cord cap from the vehicle cut-off switch before performing any maintenance or adjustment, unless otherwise specified. The vehicle must be parked in a safe place, away from the trail.

- c. Loosen the rear axle nut.
- d. Tighten the adjustment screw on the side where the slider shoe is the farthest from the track insert guides.

5. Tighten the rear axle nut.

⚠ WARNING

Properly tighten the wheel retaining bolt, otherwise wheel may come off and cause track to "lock."

6. Restart the vehicle and rotate the track slowly to recheck the alignment.

MAINTENANCE

7. Tighten the rear axle nut to the specified torque.

Tightening Torque

Rear axle screw	$48 \pm 6 \text{ Nm}$ ($35 \pm 4 \text{ lbf-ft}$)
-----------------	---

8. Reposition the snowmobile on the ground.

Suspension



Vehicle Deactivation Classification:

Mandatory Personal Protective Equipment (PPE):

- Safety Glasses
- Safety shoes with electric shock resistant soles

See *Vehicle Deactivation Classification* for more information.

Rear Suspension Condition

Visually inspect all suspension components including slider shoes, springs, wheels, etc.

NOTE:

During normal driving, snow will act as a lubricant and coolant for the slider shoes. Extensive riding on ice or sanded snow, will create excessive heat build-up and cause premature slider shoe wear.

Suspension Stopper Strap Condition

Inspect stopper straps for wear and cracks. Inspect bolts and nuts for tightness. If loose, inspect holes for deformation. Replace as required. Tighten nut to specification.

Tightening Torque

Stopper strap nut	$7 \pm 1 \text{ Nm}$ ($62 \pm 9 \text{ lbf-in}$)
-------------------	--

SKI-DOO GRAND TOURING ELECTRIC

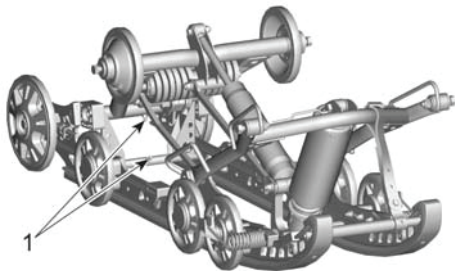
Suspension Lubrication

Lubricate the following suspension pivots at grease fittings. Refer to *Maintenance Schedule* for maintenance frequency.

SERVICE PRODUCT

XPS Synthetic grease suspension

SC-5M



① Grease fittings

MAINTENANCE

Steering and Front Suspension Condition

Visually inspect the steering and the front suspension for tightness of components (steering arms, control arms and links, tie rods, ball joints, ski bolts, ski legs, etc.). If necessary, contact an authorized BRP snowmobile dealer.

Skis

Wear and Condition of Skis and Runners

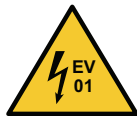
Check the condition of the skis and ski runner carbides. If worn, contact an authorized BRP snowmobile dealer.

 **WARNING**

Excessively worn skis and/or ski runners will adversely affect snowmobile control.

Fuses

Vehicle Deactivation Level:



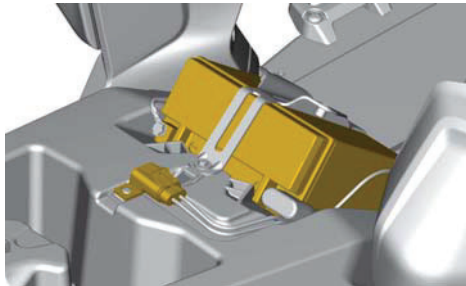
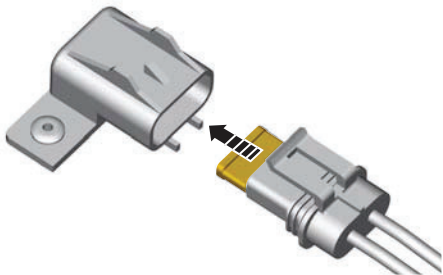
See *Vehicle Deactivation Classification* for more information.

Access to Fuse Block

Open RH side panel, refer to *Body and Seat*.

SKI-DOO GRAND TOURING ELECTRIC

Fuses Location



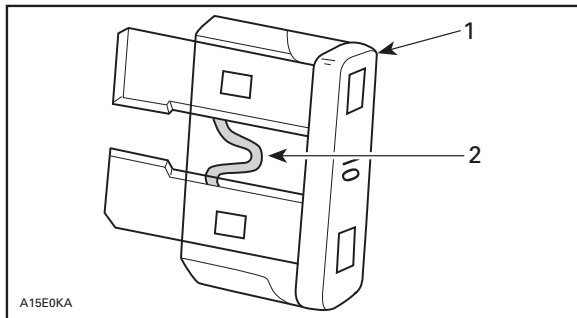
Refer to *Technical Specification* for relay and fuse identification.

MAINTENANCE

Fuse Inspection

Check the fuse condition and replace it if necessary.

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



- ① Fuse
- ② Check if melted

⚠ WARNING

Do not use a higher rated fuse.

⚠ WARNING

If a fuse has burnt out, the source of the malfunction should be determined and corrected before restarting. See an authorized BRP snowmobile dealer for servicing.

Headlights

Vehicle Deactivation Level:



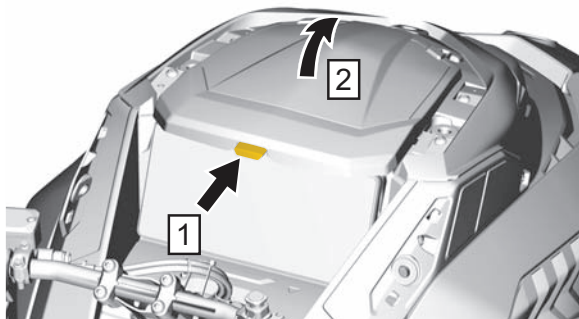
See *Vehicle Deactivation Classification* for more information.

SKI-DOO GRAND TOURING ELECTRIC

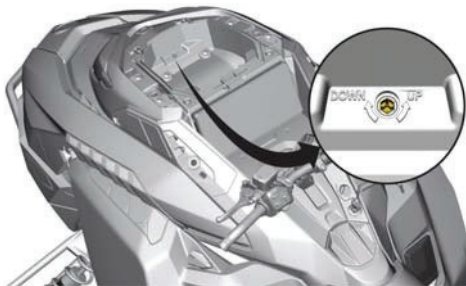
Headlight Beam Aiming

Open the storage compartment.

Typical




Turn the adjustment screw to reach desired beam height.



MAINTENANCE

12V Battery

Vehicle Deactivation Level:	
-----------------------------	---

See *Vehicle Deactivation Classification* for more information.

WARNING

Never charge or boost the battery while it is installed on the vehicle.

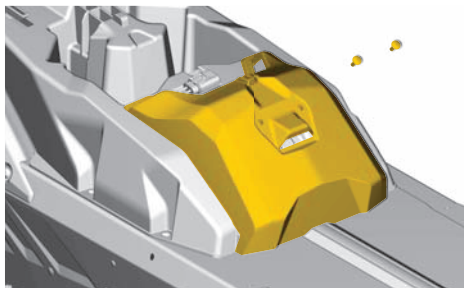
NOTICE

If the 12V battery voltage is low, it may need to be recharged or replaced in order to start the vehicle.

Removing the 12V Battery

1. Remove the seat.
2. Remove the battery cover.

Typical

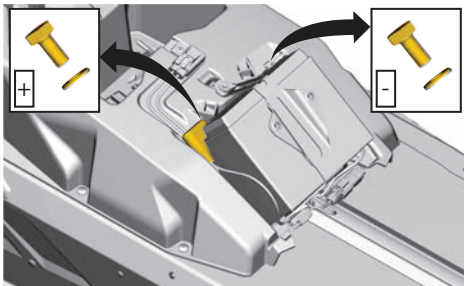


3. Disconnect the negative terminal first, then the positive terminal.

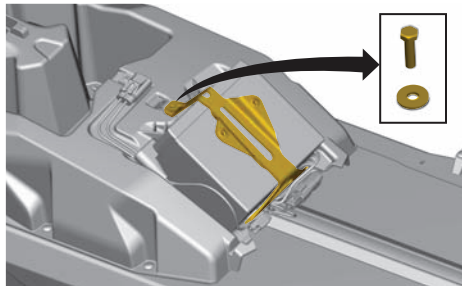
SKI-DOO GRAND TOURING ELECTRIC

NOTICE

Battery BLACK (-) cable must always be disconnected first and connected last.

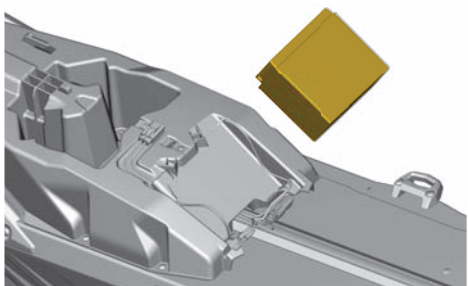


4. Remove the battery hold down bracket.



MAINTENANCE

5. Remove the battery.



Cleaning the 12V Battery

Clean the battery casing and battery posts using a soft brush and a solution of baking soda and water.

Remove corrosion from battery cable terminals and battery posts using a firm wire brush.

Rinse with clear water then dry well.

Charging the 12V Battery

Use any automotive type battery charger. Always refer to the battery charger manufacturer's instructions.

Installing the 12V Battery

NOTICE

Battery BLACK (-) cable must always be disconnected first and connected last.

SKI-DOO GRAND TOURING ELECTRIC

The installation is the reverse of the removal procedure. Tighten to the specified torque.

TIGHTENING TORQUE	
Battery terminals (positive and negative)	10 ± 2 Nm (89 ± 18 lbf-in)
Battery hold down bracket	5 ± 0.5 Nm (44 ± 4 lbf-in)
Battery cover retaining screws	1.5 ± 0.5 Nm (13 ± 4 lbf-in)

VEHICLE CARE

Post-Operation Care

Remove snow and ice from rear suspension, track, front suspension, steering mechanism and skis.

WARNING

Make sure the D.E.S.S. key is removed from the vehicle shut-off switch before standing in front the vehicle, or getting close to the track or rear suspension components.

Always cover your snowmobile when leaving it outside overnight or during extended periods of inactivity. This will protect it from frost and snow as well as help retain its appearance.

MAINTENANCE

Avoid leaving your snowmobile in temperatures above 40° C (104° F) or below -20° C (-4° F). The heater and coolant pump will heat the battery when the temperature is between -40° C (-4° F) and -20° C (-40° F) and the vehicle is connected to an EVSE.

Vehicle Cleaning and Protection

Wash snowmobile using water mixed with a mild detergent.

Use only microfiber cloths or equivalent.

NOTICE

Never use a high pressure washer to clean the vehicle. Use **low pressure only**, like a garden hose.

Non-Compatible Cleaning Products

Material Type	Non-Compatible Cleaning Products
All plastics, vinyls, painted steel and aluminium	BRAKE AND PARTS CLEANER OR ANY PETROLEUM BASE CLEANING PRODUCTS

Compatible Cleaning Products

Material Type	Cleaning Product
All plastics, vinyls, painted steel and aluminium.	Automotive type soap with water XPS Spray Cleaner and Polish XPS All Purpose Cleaner

For more information and products, Visit the XPS Products website at www.xpslubricants.com

SKI-DOO GRAND TOURING ELECTRIC

STORAGE

Proper storage is necessary when a snowmobile is not in use for more than three months.

When planning on storing the vehicle for more than 90 days, there are steps you can take to maintain the longevity of the high-voltage battery.

Store the vehicle in a cool and dry environment. The recommended storage temperature is -20° C to 40° C (-4° F to 104° F).

It is best not to begin long term storage when the high-voltage battery is at 100% state of charge. Rather, try to begin storage with the charge level at approximately 60%. Keep in mind that the battery will slowly drain while not being used. During storage, check the level monthly to ensure that it has not fallen below 30%. If this occurs, charge the battery until it reaches 60%.

NOTICE

Vehicles stored during cold temperatures may require the vehicle to be connected for a longer period of time before riding.

When the storage period has ended, it is best to charge the vehicle to 60% state of charge before the first use.

Storage

Clean the vehicle

Lubricate the brake lever pivot

Lubricate the rear suspension

Charge the 12V battery monthly to keep it fully charged during storage (this can be done with a trickle charger if necessary)

Charge the high-voltage propulsion battery monthly to maintain between 30% and 60% percent charge during storage

MAINTENANCE

Storage

Lift the rear of vehicle until track is clear of the ground. Do not release track tension

CAUTION

Use appropriate lifting device or have assistance to share lifting stress. If a lifting device is not used, use proper lifting techniques, including lifting with your legs. Do not attempt to lift the rear of vehicle if it is above your limits.

NOTICE

The snowmobile has to be stored in a cool and dry place and covered with an opaque but ventilated tarpaulin. This will prevent sun rays and grime from affecting plastic components and vehicle finish. The Recommended storage temperature is -20° C to 40° C (-4° F to 104° F). If required, the vehicle can be temporarily stored at temperature between -40° C to 40° C (-40° F to 104° F).

PRESEASON PREPARATION

Proper vehicle preparation is necessary when a vehicle has not been used for more than three months.

Perform the items as directed in the Maintenance Schedule.

Visit your authorized BRP snowmobile dealer for more information.

SKI-DOO GRAND TOURING ELECTRIC

MAINTENANCE RECORDS

Send photocopies of the maintenance records to BRP if needed.

Pre-delivery	
Serial number:	Signature/Print:
Km/ Mileage:	
Hours:	
Date:	
Dealer no:	
Notes:	
Refer to vehicle Pre-Delivery Bulletin for detailed installation procedures	

MAINTENANCE

First inspection

Km/ Mileage:

Hours:

Date:

Dealer no:

Notes:

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

SKI-DOO GRAND TOURING ELECTRIC

Service

Km/ Mileage:

Hours:

Date:

Dealer no:

Notes:

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

MAINTENANCE

Service	
Km/ Mileage:	Signature/Print:
Hours:	
Date:	
Dealer no:	
Notes:	
For maintenance schedule refer to Maintenance Information section of this operator's guide	

SKI-DOO GRAND TOURING ELECTRIC

Service

Km/ Mileage:

Hours:

Date:

Dealer no:

Notes:

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

MAINTENANCE

Service	
Km/ Mileage:	Signature/Print:
Hours:	
Date:	
Dealer no:	
Notes:	
For maintenance schedule refer to Maintenance Information section of this operator's guide	

SKI-DOO GRAND TOURING ELECTRIC

Service

Km/ Mileage:

Hours:

Date:

Dealer no:

Notes:

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

MAINTENANCE

Service	
Km/ Mileage:	Signature/Print:
Hours:	
Date:	
Dealer no:	
Notes:	
For maintenance schedule refer to Maintenance Information section of this operator's guide	

SKI-DOO GRAND TOURING ELECTRIC

Service

Km/ Mileage:

Hours:

Date:

Dealer no:

Notes:

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

MAINTENANCE

Service	
Km/ Mileage:	Signature/Print:
Hours:	
Date:	
Dealer no:	
Notes:	
For maintenance schedule refer to Maintenance Information section of this operator's guide	

SKI-DOO GRAND TOURING ELECTRIC

Service

Km/ Mileage:

Hours:

Date:

Dealer no:

Notes:

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

MAINTENANCE

Service	
Km/ Mileage:	Signature/Print:
Hours:	
Date:	
Dealer no:	
Notes:	
For maintenance schedule refer to Maintenance Information section of this operator's guide	

SKI-DOO GRAND TOURING ELECTRIC

Service

Km/ Mileage:

Hours:

Date:

Dealer no:

Notes:

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

MAINTENANCE

Service	
Km/ Mileage:	Signature/Print:
Hours:	
Date:	
Dealer no:	
Notes:	
For maintenance schedule refer to Maintenance Information section of this operator's guide	

SKI-DOO GRAND TOURING ELECTRIC

Service

Km/ Mileage:

Hours:

Date:

Dealer no:

Notes:

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

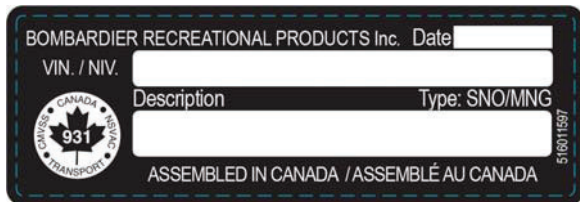
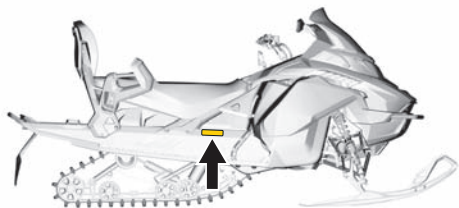
TECHNICAL INFORMATION

VEHICLE IDENTIFICATION

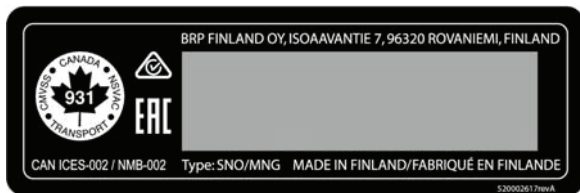
Vehicle Description Decal

Vehicle description decal is located on right hand side of tunnel.

Typical



For North American Market



SKI-DOO GRAND TOURING ELECTRIC

For European Market

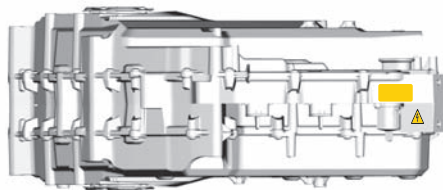


Identification Numbers

The main components of your snowmobile (high-voltage propulsion system and frame) are identified by different identification numbers. It may sometimes become necessary to locate these numbers for warranty purposes or to trace your snowmobile in the event of loss. These numbers are required by the authorized BRP snowmobile dealer to complete war-

ranty claims properly. We strongly recommend that you take note of all the identification numbers on your snowmobile and supply them to your insurance company.

High-Voltage Battery Identification Number Location

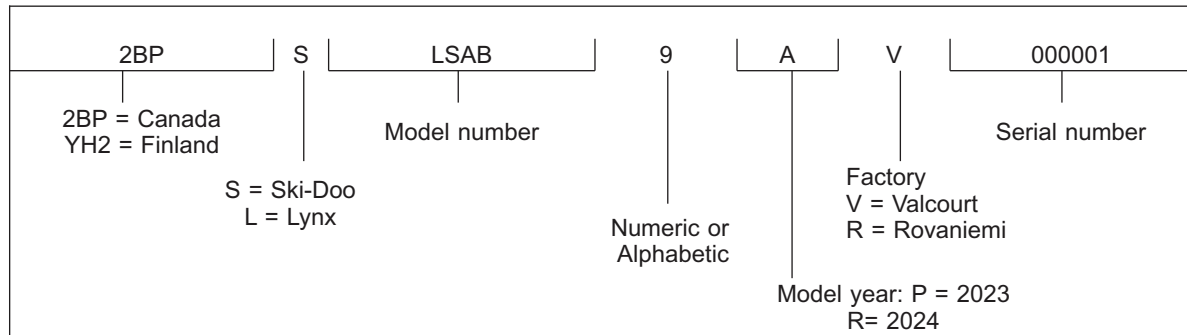


TECHNICAL INFORMATION

Vehicle Identification Number (VIN)

VIN is scribed on vehicle description decal. See above. It is also engraved on tunnel near vehicle description decal.

Model number and model year are part of the information found in the VIN. See illustration.



SKI-DOO GRAND TOURING ELECTRIC

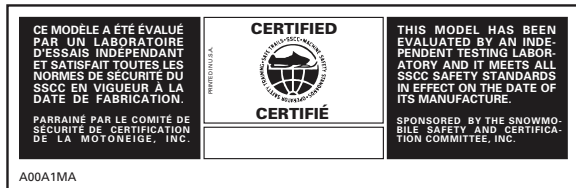
COMPLIANCE LABELS

SSCC Label

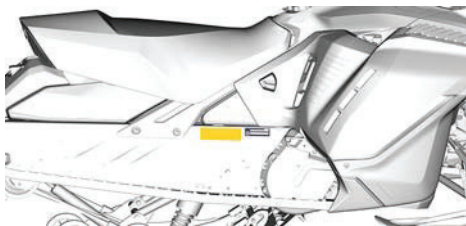
Safety standards for snowmobiles have been adopted by the Snowmobile Safety and Certification Committee (SSCC) of which BRP is a proud participating member. Assure that your snowmobile meets these standards by locating the Certification Label on the right vertical portion of the vehicle.

The following label shows that an independent testing laboratory has verified compliance with the SSCC safety standards.

SSCC Label



Typical



UK DECLARATION OF CONFORMITY



AUTHORIZED BY DEALER

Call us at Knowledge Street,
 Newark, Newark NJ 07102
 908.833.8888

UK Declaration of Conformity

Authorized Representative: BRP Recreational Products UK Ltd., (BRM Accountants Limited), Suite 5.1, 12 Telford Street, Liverpool, L2 2DT

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The undersigned, representing the manufacturer, hereby declares that model year 2024 Electric Snowmobile marked with the  mark and a 17-character vehicle identification number (VIN) structured as 2BPXXXXXXXXXXXX under commercial names Ski-Doo of Lynx comply with all the relevant provisions of the following Directives and Regulations:

Machinery Directive 2006/42/EC as amended up to and including Reg. 2015/1242/EU	ISO 12100:2010
Electromagnetic Compatibility (EMC) Directive (CE 89/321/EEC) as amended up to and including (Reg. (EU) 2015/1132)	CISPR 12:2007(A1:2009 & CISPR 12:2007(A1:2009) or UN R10.04 of later version
Battery Directive 2006/66/EC as amended up to and including Dir. (EU) 2018/849	EN 50342:7:2015
Radio Equipment (RED) Directive 2014/53/EU as amended up to and including Reg. 2015/1132 (if fitted with radio frequency (RF) D.E.S.-5. key)	IEC 62368-1:2014 CISPR 25:2016 ISO 11452-2:2004 ETSI EN 300 330 V2-1.1:2017

Dominic Tessier

Dominic Tessier (Date 15, 2023) (S-05 (07))

Dominic Tessier, Eng.
 Director, Vehicle Engineering, Ski-Doo
 Brnhampter Recreational Products Inc.

Yakaboud, DC, Canada
 Sep 15, 2023

SKI-DOO / SKI-DOO / SKI-DOO / SKI-DOO / SKI-DOO

TECHNICAL INFORMATION

RADIO FREQUENCY DIGITALLY ENCODED SECURITY SYSTEM (RF D.E.S.S. KEY)

This device complies with FCC Part 15 and Industry Canada license exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC Registration Number: 12006A-1001317030

FCC ID: 2ACER-1001317030

We, the party responsible for compliance, declare under our sole responsibility that the device is in conformity with the provisions of the following Council Directive: 2014/53/EU. To which this declaration relates is in conformity with the essential requirements and other relevant requirements. The product is in conformity with the following directives, harmonized standards and regulations:

Radio Equipment Directive (RED) 2014/53/EU and Harmonized Standards:

IEC 62368-1:2014, CISPR 25:2016,
ISO 11452-2:2004, ETSI EN 300 330 V2.1.1:2017

Radio Equipment Statutory Instrument 2017/
1206 and Designated Standards:

IEC 62368-1:2014, CISPR 25:2016,
ISO 11452-2:2004, ETSI EN 300 330 V2.1.1:2017

SKI-DOO GRAND TOURING ELECTRIC

MULTIFUNCTION GAUGE REGULATORY INFORMATION

Technical Information

Transmitter:

- BT operating frequency range: 2402 - 2480 MHz
- BT version: 5.0
- BT max transmit power: +8 dBm

Manufacturer and Address

Manufacturer:

- Enovation Controls LLC

Address:

- 5311 S 122nd E. Ave. Tulsa,
OK 74146,
USA

To display the regulatory information on the vehicle digital display: From the home screen, access the main menu and keep the joystick pressed down for more than 10 seconds.

USA and Canada

This device complies with FCC Part 15 and Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

TECHNICAL INFORMATION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC: 28102-ECB01

FCC ID: 2A3FV-ECB01

RF exposure:

1. The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.
2. This equipment must be installed and operated with a separation distance of at least 20 cm from all persons.
3. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Mexico

IFETEL

Marca: Enovation Controls LLC

Número: RCPENOD22-2195

Modelo: OD1025-01

NOM-208-SCFI-2016 (Disposición Técnica IFT-008-2015)

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

SKI-DOO GRAND TOURING ELECTRIC

Brazil



15742-23-14024

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL.

Japan

This device is granted pursuant to the Japanese Radio Law (電波法) and the Japanese Telecommunications Business Law (電気通信事業法). This device should not be modified (otherwise the granted designation number will become invalid).

Europe

Declaration of Conformity

Simplified EU Declaration of Conformity according Radio Equipment Directive 2014/53/EU



TECHNICAL INFORMATION

- DE** Hermiti erklart Enovation Controls, LLC, dati der Funkanlagen typ OD1025-01 i der Richtlinie 2014/53/EU unterpflicht.
Der vollstandige Text der EU-Konformitatskarung ist unter der folgenden Internetadresse verfugbar:
<https://www.brpc.com/en/sustainability/product-responsibility.html>
- FR** Le soussigne, Enovation Controls LLC, dclare que l'quipement radiolectrique du type OD1025-01 est conforme  la directive 2014/53/UE. Le texte complet de la dclaration UE de conformit est disponible  l'adresse internet suivante: <https://www.brpc.com/en/sustainability/product-responsibility.html>
- BG** Свързаният с Enovation Controls, LLC декларира, че този тип радиосвързани изделия OD1025-01 е в съответствие с Директивата 2014/53/ЕО.
- CZ** Prodávce uvaduje, že tento typ bezdrotnch zařadnch je v souladu se směrnic 2014/53/ES.
- DK** Hermed erkler Enovation Controls, LLC, at radioudrustningen OD1025-01 er i overensstemmelse med direktiv 2014/53/EU.
- EE** Ma teie ettevete, Enovation Controls LLC, kuulutab, et se raadiosideade mud OD1025-01 vastab direktiivi 2014/53/EU nõudele.
- ET** Ma teie ettevete, Enovation Controls LLC, kuulutab, et se raadiosideade mud OD1025-01 vastab direktiivi 2014/53/EU nõudele.
- ES** Por la presente, Enovation Controls LLC declara que el tipo de equipo radioelctrico OD1025-01 es conforme con la Directiva 2014/53/UE.
- FI** Enovation Controls LLC vakuuttaa, ett radiolectrityypin OD1025-01 on direktiivin 2014/53/EU mukainen.
- FR** Le soussigne, Enovation Controls LLC, dclare que l'quipement radiolectrique du type OD1025-01 est en conformit avec la directive 2014/53/UE. Le texte complet de la dclaration UE de conformit est disponible  l'adresse internet suivante: <https://www.brpc.com/en/sustainability/product-responsibility.html>
- GB** I, the undersigned, Enovation Controls LLC, declare that the radio equipment type OD1025-01 is in compliance with the Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.brpc.com/en/sustainability/product-responsibility.html>
- HR** Enovation Controls LLC ovime zjavljuje da je navedena oprema tipa OD1025-01 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: <https://www.brpc.com/en/sustainability/product-responsibility.html>
- IT** Il fabbricante, Enovation Controls LLC, dichiara che il tipo di apparecchiatura radio OD1025-01  conforme alla direttiva 2014/53/UE.
- LT** Es teio kompleto deklaracijos konformit su Direktyva 2014/53/UE teksto internetinis adresas: <https://www.brpc.com/en/sustainability/product-responsibility.html>

TECHNICAL SPECIFICATIONS

GRAND TOURING ELECTRIC

COOLING SYSTEM		
Coolant type	Recommended	XPS Extended life pre-mixed coolant
	Alternative, or if not available	Ethyl glycol and distilled water (50%/50%) or coolant specifically formulated for electric vehicles
Quantity	Without radiator	5.9 l (6.2 qt (US))

SKI-DOO GRAND TOURING ELECTRIC

ELECTRICAL SYSTEM – LOW VOLTAGE			
12V Battery		12 V, 18 A•h	
Headlamp		2 x 60/55 W (H-13)	
Taillight and stoplight		2.6 W / 139 m W LED	
Fuses	FA	Main Fuse	20 A
	F1	Start / Relays	5 A
	F2	Accessories	15 A
	F3	Taillight / Brake / PAC	10 A
	F4	ECM / RFID / O2 Sensor / CAPS	10 A
	F8	Cluster	15 A
	F9	Fan	15 A
	F10	Headlamps	20 A
Relays	RY1	Main	-
	RY2	Accessories	-
	RY3	Fan	-
	RY4	Lighting	-

TECHNICAL SPECIFICATIONS

DRIVE SYSTEM — CHAINCASE			
Chaincase oil	Type	Recommended	XPS Synthetic gearcase oil
		Alternative, or if not available	75W140 gear oil that meets the API GL-5 specification
	Capacity	350 ml (11.8 fl oz (US))	
Chain drive ratio			First chain: 19/43
			Second chain: 23/53

DRIVE SYSTEM — TRACK			
Drive sprocket number of teeth		Grand Touring Sport - EV	16
Track	Width		35.5 cm (14 in)
	Length		305 cm (120 in)
	Profile height		19 mm (0.75 in)
Track adjustment ⁽¹⁾		Deflection	42 mm (1.65 in)
		Force	4.54 kgf (10 lbf)
⁽¹⁾ Refer to <i>Track Tension Verification in Maintenance Procedures</i> for detailed procedure.			

SKI-DOO GRAND TOURING ELECTRIC

BRAKE SYSTEM		
Brake	Type	Single 200-mm cross-drilled carbon steel disc
Brake fluid	Type	DOT 4
	Quantity	65 ml (2.2 fl oz (US))
Caliper		Fixed twin pistons (2 x 40 mm)
Brake pad material		Organic
Minimum brake pad thickness (includes backing plate)		5 mm (.197 in)
Minimum brake disc thickness		4.5 mm (.177 in)
Maximum brake disc warpage		0.25 mm (.01 in)

FRONT SUSPENSION	
Suspension type	RAS X
Suspension maximum travel	225 mm (8.9 in)
Shock absorber type	Motion Control
	HPG

TECHNICAL SPECIFICATIONS

REAR SUSPENSION	
Suspension type	SC5 120
	rMotion X
Suspension maximum travel Measured at rear arm	276 mm (10.9 in)
Shock absorber type	Center
	Rear
	HPG
	HPG

WEIGHT AND DIMENSIONS	
Mass (dry)	236 kg (521 lb)
Overall length	312.7 cm (123.1 in)
Overall width	121.7 cm (47.9 in)
Overall height	151.3 cm (59.6 in)
Ski stance	109.2 cm (43 in)
Cargo load	15.8 kg (35 lb)

SKI-DOO GRAND TOURING ELECTRIC


TROUBLESHOOTING GUIDELINES – ROTAX E-POWER

ELECTRIC VEHICLE DOES NOT TURN ON

- 1. 12V battery is too low.**
 - *A 12V battery charger can be used to charge the battery.*
- 2. Emergency stop switch in OFF position or tether cord cap not installed on the vehicle cut-off switch.**
 - *Place the emergency stop switch in the ON position and install the tether cord cap (on cut-off switch).*
- 3. Vehicle temperature and/or system voltage is too low.**
 - *Connect the vehicle to an Electrical Vehicle Supply Equipment (EVSE) and let the vehicle charging system recharge the high and low voltage battery packs.*
 - *Contact an authorized BRP snowmobile dealer.*
 - *If the high-voltage propulsion battery temperature is below -20° C (-4° F), the system will not charge. If the vehicle is connected to the EVSE, the heater will activate.*

TROUBLESHOOTING

VEHICLE LACKS ACCELERATION OR POWER

The  icon is displayed in the cluster when the vehicle is too hot or cold, the high-voltage propulsion battery has a low state of charge, or there is an error with any of the propulsion system components.

1. High-voltage propulsion system warm-up in progress.

- *Drive vehicle at low speeds for a few minutes.*
- *Plug in the vehicle.*

2. High-voltage propulsion system is in limited performance mode.

- *Check coolant level. Refer to Maintenance Procedures.*
- *Check heat exchangers cleanliness. Clean if necessary.*
- *Check the coolant pump is activated under normal and charging operation.*

3. High-voltage battery state of charge is too low.

- *Connect the vehicle to an EVSE.*

4. Incorrect track adjustment.

- *Refer to Maintenance and/or an BRP snowmobile dealer for proper alignment and tension adjustments.*

SKI-DOO GRAND TOURING ELECTRIC

HEATED GRIPS/THUMB WARMERS ARE NOT WORKING

1. High-voltage battery state of charge is too low.

- *Connect the vehicle to an EVSE.*

VEHICLE HAS SHUT DOWN

1. Emergency stop switch in OFF position or tether cord cap not installed on vehicle cut-off switch.

- *Place the emergency stop switch in the ON position and install the tether cord cap (on cut-off switch).*

2. Vehicle temperature and/or system voltage is too low.

- *Connect the vehicle to an Electrical Vehicle Supply Equipment (EVSE) and let the vehicle charging system recharge the High and Low voltage battery packs.*
- *Contact an authorized BRP snowmobile dealer.*

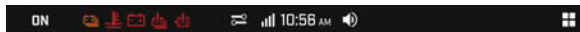
TROUBLESHOOTING

MONITORING SYSTEM

Tell-Tales, Messages and Beeper Codes

Gauge pilot lamp(s) will inform you if an anomaly occurs or to inform you of a particular condition.

Digital Pilot Lamp – 10.25” Color Digital Touchscreen



Pilot Lamps – 10.25” Color Digital Touchscreen







A tell-tale can flash alone or in combination with another lamp.





Some messages will be displayed with a beep code and tell-tale(s).

Beeper codes will be heard and messages will be displayed to catch your attention.


SKI-DOO GRAND TOURING ELECTRIC

Pilot lamp ON	Beeper	Message display	Description
	—	—	The coolant temperature is high.
	1 long beep	SYSTEM OVERLOAD- PARK IN A SAFE PLACE	A problem with the low voltage system is detected, such as DC-DC failure or system overload.
	—	PARKING BRAKE APPLIED / RELEASE PARKING BRAKE	Displayed when brake is applied for more than 15 seconds while accelerator lever is squeezed and vehicle is moving at more than 5 km/h (3 mph).
	1 long beep	ELECTRICAL FAULT / PARK IN A SAFE PLACE	An electrical fault or high voltage interlock fault is detected.
	—	CHARGING SYSTEM / MALFUNCTION- SYSTEM IS UNABLE TO CHARGE	A problem is detected with the charging system and the charge stops.
	—	CHARGING SYSTEM / CHARGING POWER REDUCED	The charging system is derating due to high temperature.

TROUBLESHOOTING

Pilot lamp ON	Beeper	Message display	Description
	1 short beep	AUTOMATIC POWER REDUCTION - PARK IN A SAFE PLACE	Limited power mode activated due to low state of charge, system temperature too low or too high, or a problem being detected in the drive components.
	—	—	There is a failure with the high-voltage propulsion battery.
	—	—	There is a problem with the propulsion system.
	1 long beep	EMERGENCY SHUT-DOWN / PARK NOW AND GET OFF THE VEHICLE	There is a critical failure with the high-voltage propulsion battery and the vehicle will shutdown.

SKI-DOO GRAND TOURING ELECTRIC

Pilot lamp ON	Beeper	Message display	Description
	1 short beep	PROPULSION BATTERY / LOW STATE OF CHARGE - CHARGE SOON	The high-voltage propulsion battery has a low state of charge.
DESS	—	—	Good key, vehicle ready to operate.
	—	WRONG KEY	Unable to read key (bad connection). Make sure the key is clean and correctly snapped on post.
	—	CHECK KEY	Invalid key or key not programmed. Use the proper key for the vehicle or have the programmed.

Fault Codes

The fault codes can be displayed on the center display.

The fault codes are accessible in the setting menu.

Contact an authorized BRP snowmobile dealer for code signification.

WARRANTY

BRP LIMITED WARRANTY USA AND CANADA: 2024 SKI-DOO® ELECTRIC SNOWMOBILES

SCOPE OF THE LIMITED WARRANTY

Bombardier Recreational Products Inc. (“**BRP**”) warrants its 2024 Ski-Doo electric snowmobiles (“Product (s)”) and its high-voltage batteries sold by authorized BRP dealers (as defined below) in the United States of America (“USA”) and in Canada from defects in material or workmanship for the period and under the conditions described below.

This limited warranty will become null and void if:

- (1) the Product was used for racing or any other competitive activity, at any point, even by a previous owner; or
- (2) the Product has been altered or modified in such a way so as to adversely affect its operation, performance or durability, or has been altered or modified to change its intended use.

- (3) the Product has been altered or modified in such a way so as to adversely affect the high-voltage battery operation, performance or durability

- (4) the Product’s high-voltage battery has been used as a stationary power source

The on-board charger, inverter, and e-motor are covered under the vehicle’s limited warranty period against defects in material or workmanship.

Non-factory installed parts and accessories are not covered under this limited warranty. Please refer to the applicable parts and accessories limited warranty text.

SKI-DOO GRAND TOURING ELECTRIC

LIMITATIONS OF LIABILITY

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

YOU SPECIFIC RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE, OR PROVINCE TO PROVINCE.

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

BRP reserves the right to modify this limited warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the products and/or its high-voltage batteries sold while this warranty is in effect.

WARRANTY

EXCLUSIONS – ARE NOT WARRANTED

This warranty does not cover damage or failures resulting from or caused by:

- Attempting to modify the on-board charger, inverter and/or e-motor, to gain faster charge times or increase the original power output will void the warranty.
- Opening the on-board charger enclosure.
- Opening the inverter enclosure.
- Improper towing or vehicle recovery from a depleted high voltage battery or other failure may damage the e-motor or other high voltage components. Failure to follow the recommended towing and/or recovery method prescribed in this manual will void the warranty.

The following are not warranted under any circumstances:

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

- Damage caused by failure to provide proper maintenance and/or storage, as described in the Operator's Guide;
- Damage resulting from removal of parts, improper repairs, service, maintenance, modifications or use of parts or accessories not manufactured or approved by BRP or resulting from repairs done by a person that is not an authorized servicing BRP dealer;
- Damage caused by abuse, abnormal use, neglect, use of the product on surfaces other than snow, or operation of the product in a manner inconsistent with the recommended operation described in the Operator's Guide;
- Damage resulting from accident, submersion, fire, theft, vandalism or any act of God;
- Operation with chemicals, oils or lubricants which are not suitable for use with the product (see the Operator's Guide);
- Snow or water ingestion;

SKI-DOO GRAND TOURING ELECTRIC

- Incidental or consequential damages, or damages of any kind including without limitation towing, storage, telephone, rental, taxi, inconvenience, insurance coverage, loan payments, loss of time, loss of income; and
- Damage resulting from studs installed on tracks if the installation does not conform to BRP's instructions.
- Damage caused by failure to provide proper maintenance and/or storage, as described in the Operator's Guide. Ambient temperatures above 40 °C (104 °F) may damage the high-voltage battery and void the warranty;
- Damage caused by exposing the high voltage battery to contact with a direct flame;
- Physical damage to the high voltage battery or intentional attempt to reduce the life of the high voltage battery;
- Damage resulting from accident, submersion, fire, theft, vandalism or any act of God;
- Damage to internal components resulting from disassembly, opening the high-voltage battery enclosure is strictly forbidden;
- Damage resulting from incorrect charging procedures or incompatible charging devices;
- Damage to vehicle's components resulting from a complete discharge of the high-voltage battery.
- Consequential damage caused by the failure to repair an existing problem;
- Damage resulting from failure to install a software update;
- Loss of battery capacity due to or resulting from gradual capacity loss.⁽¹⁾

⁽¹⁾Any capacity/range reduction-based claim must be confirmed by and approved by BRP to be eligible for coverage.

WARRANTY

WARRANTY COVERAGE PERIOD

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

- TWELVE (12) consecutive months, for commercial use owners.

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

HIGH-VOLTAGE BATTERY

The high-voltage battery limited warranty will be in effect for TWENTY-FOUR (24) consecutive months, or eight thousand kilometers (8,000 km) / five thousand miles (5000 mi), whichever occurs first, **only** if the high-voltage battery state of health (SOH) is equal or greater than (\geq) seventy percent (70%) of initial capacity.

The repair or replacement of parts or the performance of service under this warranty does not extend the life of this warranty beyond its original expiration date. Loss of battery capacity resulting from gradual capacity loss is NOT covered under this warranty beyond the terms and limit specified above.

CONDITIONS REQUIRED FOR WARRANTY COVERAGE

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

- The Product must be purchased as new and unused by its first owner from a BRP dealer authorized to distribute Products in the country in which the sale occurred (“**BRP dealer**”);
- The BRP specified pre-delivery inspection process must be completed and documented and signed by the purchaser;
- The Product must have undergone proper registration by an authorized BRP dealer;

SKI-DOO GRAND TOURING ELECTRIC

- The Product must be purchased in the country in which the purchaser resides; and
- Routine maintenance outlined in the Operator's Guide must be timely performed in order to maintain warranty coverage. BRP reserves the right to make warranty coverage contingent upon proof of proper maintenance.

BRP will not honor this limited warranty to any commercial use owner if one of the preceding conditions has not been met. Such limitations are necessary in order to allow BRP to preserve both the safety of its products, and also that of its consumers and the general public.

WHAT TO DO TO OBTAIN WARRANTY COVERAGE

The customer and/or commercial operator must cease using the Product upon the appearance of an anomaly, notify a servicing BRP Dealer or BRP directly within three (3) days of the appearance of the anomaly and provide the Dealer with reasonable access to the Product and reasonable opportunity to repair it.

All parts replaced under this limited warranty become the property of BRP.

WARRANTY

WHAT BRP WILL DO

BRP's obligations under this warranty are limited to, at its sole discretion, repairing parts found defective under normal use, maintenance and service, or replacing such parts without charge for parts and labor, at any authorized BRP dealer during the warranty coverage period under the conditions described herein. No claim of breach of warranty shall be cause for cancellation or rescission of the sale of the Product to the owner.

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

TRANSFER

If the ownership of a product is transferred during the warranty coverage period, this limited warranty, subject to its terms and conditions, will NOT be transferred to the new owner.

CONSUMER ASSISTANCE

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

If the matter still remains unresolved, contact BRP by filling out the customer contact form at www.brp.com or contact BRP by mail at one of the addresses listed under the *CONTACT US* section of this guide.

SKI-DOO GRAND TOURING ELECTRIC

DATA PRIVACY INFORMATION

Bombardier Recreational Products Inc., its affiliates and subsidiaries (“BRP”) are committed to protecting your privacy and support a general policy of openness about how we collect, use and disclose your personal information in the course of managing our relationship with you. **More details can be found by visiting BRP’s Privacy Policy at: <https://brp.com/en/privacy-policy.html> or by scanning the QR Code below.**

Please be assured that we have appropriate security measures in place to ensure that your personal information is protected against loss and unauthorized access.

Your personal information that may be collected by BRP, directly from you or from authorized dealers or authorized third parties, includes:

- **Contact, Demographic & Registration Information** (e.g., name, full address, phone number, email, gender, ownership history, language of communication)
- **Vehicle Information** (e.g., serial number, purchase and delivery date, unit usage, vehicle location and movements)
- **Third Party Information** (e.g., information received from BRP partners, joint-marketing activities information, social media)
- **Technological Information** (e.g., IP address, type of device, operating system, browser type, webpages you view, cookies and similar technologies when you use BRP or dealers’ websites or mobile application)

CUSTOMER INFORMATION

- **Interaction with BRP Information** (e.g., information collected when you call BRP's in-house sales representatives, buy items on a BRP website, sign up for BRP emails, participate in BRP-sponsored contests and sweepstakes or attend BRP-sponsored events)
- **Transactional Information** (e.g., information necessary to handle returns, payment information when you purchase our products or services through our websites or mobile applications and other issues related to your purchase of BRP products)

This information may be used and processed for the following purposes:

- Safety & Security
- Customer Support for Sales & After Sales (e.g., complete or follow up with you about your purchase or maintenance)

- Registration & Warranty
- Communication (e.g., sending you a BRP satisfaction survey)
- Online Behavioural Advertising, Profiling and Location-Based Services (e.g., offer customized experience)
- Compliance & Dispute Resolution
- Marketing & Advertising
- Assistance (e.g., help with any delivery issues, handle returns, and other issues related to your purchase of BRP products).

We also may use personal information to generate aggregated or statistical data that no longer identifies you personally.

Your personal information may be disclosed to the following: BRP, BRP's authorized dealerships, distributors, service providers, advertising & market research partners and other authorized third parties.

SKI-DOO GRAND TOURING ELECTRIC

We may receive information about you from diverse sources, including third parties, such as BRP's authorized dealerships and partners, with whom we offer services or engage in joint-marketing activities. We may also receive information about you from social media platforms such as Facebook and Twitter when you interact with us on those platforms.

Depending on the circumstances, your personal information may be communicated outside the region where you reside. Your personal information is retained only for as long as necessary for the purpose for which we obtained it and according to our retention policies.

To exercise your data privacy rights (e.g. right of access, right of rectification), to withdraw your consent in order to be removed from the address list for marketing purposes or for the satisfaction survey or for general data privacy questions, please contact

BRP's Data Protection Officer at privacyofficer@brp.com or by mail at: BRP Legal Service, 726 St-Joseph, Valcourt, Quebec, Canada, J0E 2L0.

When BRP processes your personal information, they do so in compliance with its Privacy Policy available at:

<https://www.brp.com/en/privacy-policy.html> or by using the following QR Code.



CUSTOMER INFORMATION

CONTACT US

www.brp.com

Europe, Middle East and Africa

Belgium

Oktrooiplein 1
9000 Gent

Czech Republic

Stefanikova 43a
Prague 5
150 00

Germany

Itterpark 11
40724 Hilden

Finland

Isoaavantie 7
PL 8040
96101 Rovaniemi

France

Arteparc Bâtiment B
Route de la côte d'Azur,
13 590 Meyreuil

Norway

Ingvald Ystgaardsvei 15
N-7484 Trondheim
Salg, marketing, ettermarked

Sweden

Spinnvägen 15
903 61 Umeå
Sweden 90821

Switzerland

Avenue d'Ouchy 4-6
1006 Lausanne

SKI-DOO GRAND TOURING ELECTRIC

North America

Canada

3200A, rue King Ouest,
Suite 300
Sherbrooke (Québec) J1L 1C9

United States of America

10101 Science Drive
Sturtevant, Wisconsin
53177

CHANGE OF ADDRESS/OWNERSHIP

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

- Notifying an authorized BRP snowmobile dealer or distributor.
- **North America only:** calling 1-888-272-9222.

- Mailing one of the change of address cards on the following pages to one of the BRP addresses indicated in the *Contact Us* section of this guide.

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

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

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

THIS PAGE IS
INTENTIONALLY BLANK

THIS PAGE IS
INTENTIONALLY BLANK

THIS PAGE IS
INTENTIONALLY BLANK

THIS PAGE IS
INTENTIONALLY BLANK

SKI-DOO GRAND TOURING ELECTRIC

C

CUSTOMER INFORMATION

Change of Address/Ownership . . . . .	.249
Contact Us . . . . .	.252
Data Privacy Information . . . . .	.249
Europe, Middle East and Africa . . . . .	.252
North America . . . . .	.253

E

ELECTRIC VEHICLE (EV) OVERVIEW

Battery Management System (BMS) . . . . .	.71
Charging . . . . .	.74
Charging Best Practices . . . . .	.80
Charging Port Connection . . . . .	.75
Charging Status and Battery State of Charge . . . . .	.81
Charging the Vehicle . . . . .	.77
Differences between Electric Vehicles and Vehicles with Internal Combustion Engines . . . . .	.89
Electric Vehicle Supply Equipment (EVSE) . . . . .	.76
High Voltage Components . . . . .	.71

Lithium-Ion High-Voltage Propulsion Battery . . . . .	.73
Performance Gauge . . . . .	.87
Power Sources . . . . .	.82
Regenerative Braking . . . . .	.86
Standby Mode . . . . .	.85
Starting and Driving . . . . .	.83
Starting the Vehicle . . . . .	.83
Stopping Charging . . . . .	.79
Switching to and from Reverse . . . . .	.84
Turning OFF the Vehicle . . . . .	.85
Vehicle Range . . . . .	.88

G

GENERAL INFORMATION

About this Operator's Guide . . . . .	.8
General Information . . . . .	.8
Know Before You Go . . . . .	.8
Respect of the Environment . . . . .	.11
Safety Messages . . . . .	.9

INDEX

M

MAINTENANCE

12V Battery	163
Brake Fluid	171
Chaincase Oil	176
Coolant	169
Drive Chain	180
Fuses	192
Headlights	194
Maintenance Procedures	169
Maintenance Records	203
Maintenance Schedule	163
MAINTENANCE SCHEDULE	163
Post-Operation Care	199
Preseason Preparation	202
Skis	192
Storage	201
Suspension	190
Track	180
Trail / Crossover / Utility Usage	163

Vehicle Care	199
Vehicle Cleaning and Protection	200

S

SAFETY INFORMATION

Accessories and Modifications	14
After Starting	68
Avalanche Safety Training Courses	15
Avoiding Collisions	31
Before Starting	68
Before You Go	14
Braking	20
Carrying Loads	21
Drugs and Alcohol	14
Emergency Response	16
Exercises to Practice	40
Get Familiar With The Snowmobile	18
Hazardous Materials	17
Important On-Product Labels (Canada/United States)	48

SKI-DOO GRAND TOURING ELECTRIC

Know Terrain and Riding Variations . . . . .	.33	Speeding . . . . .	.32
Moving Parts . . . . .	.32	Steering . . . . .	.19
Operating Age and Ability . . . . .	.14	Tether Cord . . . . .	.19
Parking Brake . . . . .	.20	Track Propulsion System . . . . .	.18
Practice Exercises . . . . .	.39	Transporting the Vehicle . . . . .	.43
Pre-Ride Check List . . . . .	.69	Vehicle Safety Labels . . . . .	.48
Pre-Ride Inspection . . . . .	.68	Where to Practice Exercises . . . . .	.39
Programmable D.E.S.S. Key . . . . .	.20		
Protective Gear . . . . .	.15	T	
Pushing or Pulling the Vehicle . . . . .	.46	Technical Information	
Reporting Safety Defects . . . . .	.67	Compliance Labels . . . . .	.218
Required Equipment . . . . .	.16	EU Declaration of Conformity . . . . .	.222
Respect of the Wildlife . . . . .	.39	Identification Numbers . . . . .	.219
Rider Position (Forward Operation) . . . . .	.23	Multifunction Gauge Regulatory Information . . . . .	.225
Rider Position (Reverse Operation) . . . . .	.26	Radio Frequency Digitally Encoded Security System (RF D.E.S.S. key) . . . . .	.224
Ride Safely . . . . .	.23	SSCC Label . . . . .	.221
Riding Alone . . . . .	.27	UK Declaration of Conformity . . . . .	.223
Riding Behaviors . . . . .	.31	Vehicle Description Decal . . . . .	.218
Riding in a Group . . . . .	.28	Vehicle Identification . . . . .	.218
Riding with Passenger(s) . . . . .	.26		

INDEX

Technical Specifications	
Grand Touring Electric . . . . .	.229
Troubleshooting	
Troubleshooting Guidelines – Rotax E-Power . . . . .	.235
Fault Codes . . . . .	.241
Monitoring System . . . . .	.238
Tell–Tales, Messages and Beeper Codes . . . . .	.238

V

VEHICLE INFORMATION

EV 01 - Safe Working Procedures . . . . .	.90
10.25” Color Touchscreen Display . . . . .	.132
Accelerator Lever . . . . .	.99
Adjustable Handlebar Riser (if equipped) . . . . .	.129
Adjustable Mirrors (if equipped) . . . . .	.118
Adjustment Tips According to Vehicle Behavior . . . . .	.161
Applet Menu . . . . .	.135
Body and Seat . . . . .	.114
Brake Lever . . . . .	.104
BRP GO! App . . . . .	.145

Center Display . . . . .	.133
Default Display . . . . .	.132
Electric Visor Jack Connector (if equipped) . . . . .	.130
Emergency Stop Switch . . . . .	.102
Equipment . . . . .	.128
EV 00 - Category Description . . . . .	.90
EV 00 - Safe Working Procedures . . . . .	.91
EV 01 - Category Description . . . . .	.93
Front and Rear Bumpers . . . . .	.114
Front Storage Compartment . . . . .	.119
Front Suspension Adjustments . . . . .	.150
Handlebar . . . . .	.98
Handlebar Multifunction Switch . . . . .	.111
Hard Packed Snow . . . . .	.147
Heated Cellphone Case (if equipped) . . . . .	.128
Messages in Multifunction Display . . . . .	.144
Narrow View Display . . . . .	.134
Navigating the Multifunction Display . . . . .	.133
Operator’s Guide . . . . .	.128

SKI-DOO GRAND TOURING ELECTRIC

Pairing your Smartphone via Bluetooth	143
Parking Brake Lever	108
Passenger Heated Grip Switch	113
Power Outlet - USB (if equipped)	129
Primary Controls	98
Quick Preferences	140
Quick Tour of the BRP GO! App	146
Rear Suspension Adjustments	152
Riding Conditions and your Snowmobile	147
Seat	125
Secondary Controls	111
Side Panels	120
Tell-Tales and Indicators	140
Tools	130
Tune Your Ride	148
Upper Body Module	122
Vehicle Cut-Off Switch	109
Vehicle Deactivation Classification	90
Windshield	116

W

WARRANTY

BRP LIMITED WARRANTY USA AND CANADA: 2024 SKI-DOO® ELECTRIC SNOWMOBILES	242
CONDITIONS REQUIRED FOR WARRANTY COVERAGE	246
CONSUMER ASSISTANCE	248
EXCLUSIONS – ARE NOT WARRANTED	244
LIMITATIONS OF LIABILITY	243
SCOPE OF THE LIMITED WARRANTY	242
TRANSFER	248
WARRANTY COVERAGE PERIOD	246
WHAT BRP WILL DO	248
WHAT TO DO TO OBTAIN WARRANTY COVERAGE	247

Model No. _____

VEHICLE

IDENTIFICATION NUMBER (V.I.N.) _____

HIGH-VOLTAGE BATTERY

IDENTIFICATION NUMBER _____

Owner: _____

NAME

No. STREET APT

CITY STATE/PROVINCE ZIP/POSTAL CODE

Purchase Date _____

YEAR MONTH DAY

Warranty Expiry Date _____

YEAR MONTH DAY

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

DEALER IMPRINT AREA

ski-doo®



 **WARNING**

Disregarding any of the safety precautions and instructions contained in the operator's guide, safety video and on product safety labels could cause injury including the possibility of death.



ski-doo®



®TM AND THE BRP LOGO ARE TRADEMARKS OF BOMBARDIER RECREATIONAL PRODUCTS INC. OR ITS AFFILIATES.
©2023 BOMBARDIER RECREATIONAL PRODUCTS INC. ALL RIGHTS RESERVED.
PRINTED IN CANADA.



520003088

ski-doo ***LYNX*** ***SEA-DOO*** ***EVINRUDE*** ***ROTAX*** ***Can-am*** ***ALUMACraft*** ***M A N I T O L J*** ***QUINTREX***