

2023



For Maintenance and Safety

OWNER'S MANUAL

Sportsman 570 MD

WARNING

Read this manual carefully. It contains important safety information. This is an adult vehicle only.

Operation is prohibited for those under 16 years of age.

POLARIS
Think Outside



WARNING

Read, understand, and follow all of the instructions and safety precautions in this manual and on all product labels.

Failure to follow the safety precautions could result in serious injury or death.



For videos and more information about a safe riding experience with your Polaris vehicle, scan this QR Code® with your smartphone or visit:
www.polaris.com/en-us/safety/.



2023 Owner's Manual

Sportsman 570 MD

Sportsman 570 EPS LE MD

Sportsman 570 EPS MD

Sportsman 570 EPS SP Öhlins Edition MD

AUTOLITE® is a registered trademark of BMO HARRIS BANK N.A. Loctite® is a registered trademark of Henkel Corporation. MACPHERSON RIDE® is a registered trademark of Aftermarket Auto Parts Alliance, Inc. NYOGEL® is a registered trademark of Nye Lubricants, Inc. Bluetooth® is a registered trademark of Bluetooth Sig, Inc. QR Code® is a registered trademark of DENSO WAVE INCORPORATED. BatteryMinder® is a registered trademark of VDC Electronics, Inc. Phillips® is a registered trademark of the Phillips Screw Company. MIKUNI® is a registered Trademark of MIKUNI CORPORATION. Android® is a registered trademark of Google LLC. iOS® is a registered trademark of Cisco Technology, Inc. Tread Lightly® is a registered trademark of the United States Department of Agriculture.

Unless noted, trademarks are the property of Polaris Industries, Inc.

Copyright 2022 Polaris Industries Inc. All information contained within this publication is based on the latest product information at the time of publication. Due to constant improvements in the design and quality of production components, some minor discrepancies may result between the actual vehicle and the information presented in this publication. Depictions and/or procedures in this publication are intended for reference use only. No liability can be accepted for omissions or inaccuracies. Any reprinting or reuse of the depictions and/or procedures contained within, whether whole or in part, is expressly prohibited.

The original instructions for this vehicle are in English. Other languages are provided as translations of the original instructions.

Printed in Czech Republic

9941057 Rev 01



Thank you for purchasing a POLARIS vehicle, and welcome to our world-wide family of POLARIS enthusiasts. Be sure to visit us online at www.polaris.com for the latest news, new product introductions, upcoming events, career opportunities and more.

Here at POLARIS we proudly produce an exciting line of utility and recreational products. We believe POLARIS sets a standard of excellence for all utility and recreational vehicles manufactured in the world today. Many years of experience have gone into the engineering, design, and development of your POLARIS vehicle, making it the finest machine we've ever produced.

For safe and enjoyable operation of your vehicle, be sure to follow the instructions and recommendations in this owner's manual. Your manual contains instructions for minor maintenance, but information about major repairs is outlined in the POLARIS Service Manual and can be performed by a factory certified Master Service Dealer (MSD) technician.

Your POLARIS dealer knows your vehicle best and is interested in your total satisfaction. Your POLARIS dealership can perform all of your service needs during and after the warranty period.

For the most up-to-date owner's manual visit <https://www.polaris.com/en-us/owners-manuals>.

Introduction	7
Safety	15
Features and Controls	33
Operation	75
Winch Guide.	95
Emission Control Systems	105
Maintenance	107
Specifications	165
POLARIS Products	169
Troubleshooting	171
Warranty	195
Maintenance Log	201

INTRODUCTION

IMPORTANT WARNING ABOUT THIS MANUAL

 WARNING

Failure to heed the warnings and safety precautions contained in this manual can result in severe injury or death. A POLARIS ATV is not a toy and can be hazardous to operate. This vehicle handles differently than other vehicles, such as motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers like turning, or driving on hills or over obstacles, if you fail to take proper precautions.

- Read this owner's manual. Understand all safety warnings, precautions and operating procedures before operating a POLARIS ATV. Keep this manual with the ATV.
- Never operate an ATV without proper instruction. Take a certified ATV safety training course. In the United States, certified training can be found at www.atvsafety.org.
- This vehicle is an **ADULT VEHICLE ONLY**. Operation is prohibited for anyone under 16 years of age.
- Never permit a guest to operate the ATV unless the guest has read this manual and all product labels and has completed a certified safety training course. In the United States, certified training can be found at www.atvsafety.org.

INTRODUCTION

SAFETY SYMBOLS AND SIGNAL WORDS

The following signal words and symbols appear throughout this manual and on your vehicle. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **WILL** result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, **COULD** result in death or serious injury.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **COULD** result in minor to moderate injury.

NOTICE

NOTICE provides key information by clarifying instructions.

IMPORTANT

IMPORTANT provides key reminders during disassembly, assembly, and inspection of components.

The Prohibition Safety Sign indicates an action **NOT** to take in order to avoid a hazard.



The Mandatory Action Sign indicates an action that **NEEDS** to be taken to avoid a hazard.



DECLARATION OF CONFORMITY



Polaris Sales Europe Sàrl
Place de l'Industrie 2
1180 Rolle, Switzerland
Telephone: +41 213-218-700



DECLARATION OF CONFORMITY

March 1, 2019 Rolle, Switzerland

Polaris Sales Europe Sàrl, declares that the vehicle(s) listed below conform to the essential requirements applicable to all terrain vehicles.

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

APPLICABLE EUROPEAN DIRECTIVES	APPLICABLE HARMONISED STANDARDS
2006/42/EC as amended (Machinery Directive)	EN ISO 12100:2010 Hazard Analysis EN 15997:2011/AC:2012 Driver Perceived Noise Level & Vibration
2014/30/EU as amended (EMC Directive)	UNECE R10

MODEL	TRADE NAME	VEHICLE SERIAL NUMBER
A21S__57F__	Sportsman 570	-----

European Community Person Authorized to Compile the Technical File: Lukasz Golak, Product Homologation Specialist Polaris Poland Sp. z o.o. ul. Wspólna 12, 45-837 Opole Poland	Authorized Manufacturer Signatory Empowered to Draw Up the EC Declaration of Conformity:  <u>Rene Basei</u> Vice President EMEA
---	--



Polaris Sales Europe Sàrl
Place de l'Industrie 2
1180 Rolle, Switzerland
Telephone: +41 213-218-700

SUPPLEMENT TO THE OWNER'S MANUAL
INFORMATION REGARDING EMISSION OF AIRBORNE NOISE AND VIBRATION PRODUCED BY THE MACHINERY
AND CARBON DIOXIDE (CO₂) EMISSION

A-Weighted Sound Pressure at Rider's Ear dB (A)	C-Weighted Sound Pressure Level dB (C)	A-Weighted Sound Power Level dB (A)
78,5	91	N/A

Weighted Hand-Arm Vibration Level m/s ²	Weighted Seat Vibration Level m/s ²
<2,5	<0,5

Carbon Dioxide (CO ₂) Emission g/kWh
1235
This CO ₂ measurement results from testing over a fixed test cycle under laboratory conditions a(n) (parent) engine representative of the engine type (engine family) and shall not imply or express any guarantee of the performance of a particular engine

This document is setting out the contents of the EC Declaration of Conformity.
The particulars of machinery may differ for specific model.

INTRODUCTION

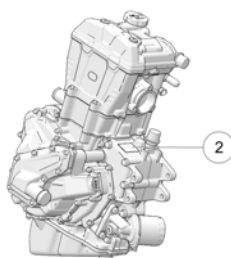
VEHICLE IDENTIFICATION NUMBERS

Record your vehicle's identification numbers and key number in the spaces provided. Remove the spare key and store it in a safe place. An ignition key can be duplicated only by ordering a POLARIS key blank (using your key number) and mating it with one of your existing keys. The ignition switch must be replaced if all keys are lost.

The vehicle serial number ① can be found stamped on lower frame rail on the front right-hand side of the vehicle.

NOTICE

The figures below are for reference only. Your model may differ slightly.



Vehicle Model Number	
Vehicle Identification Number (VIN) ①	
Engine Serial Number ②	
Key Number	

NEAR-FIELD COMMUNICATION (NFC) (IF EQUIPPED)

Some Polaris vehicles come equipped with a near-field communication (NFC) chip. The NFC chip is embedded in the Polaris emblem located at the front of the vehicle and seamlessly connects you to a digital platform of vehicle information and tools. See your dealer for more information.

IMPORTANT

Not all devices are equipped with an NFC reader. Additionally, some devices require third party applications to access NFC content. For questions regarding the NFC reader on your device, refer to the device's user manual.

On models equipped with NFC, place your smartphone directly over the Polaris emblem to do the following:

- View vehicle-specific information
- Access your Polaris Garage
- Download and view the owner's manual
- View accessory instructions
- Watch how-to videos
- Access warranty information
- Check for service notifications



RIDE COMMAND WITH NFC

Additional NFC features are available when using the Ride Command mobile app. To access these features, do the following:

1. Download the Ride Command mobile app from the Apple App Store® or Google Play® store.
2. Create or log in to an existing account.
3. From the Ride Command mobile app home screen, select **Add Vehicle**.
4. On the vehicle, tap the NFC-enabled badge with the phone to scan the vehicle.
5. Confirm information, name your vehicle, and tap add to garage.

SYSTEM REQUIREMENTS

Refer to device manufacturer's instructions to verify NFC read capability, and/or NFC-capable add-ons.

INTRODUCTION

RADIO COMPLIANCE STATEMENTS

EUROPEAN UNION (EU) RADIO COMPLIANCE

This vehicle may contain the following radio equipment or components that contain radio equipment:

COMPONENT	B1 Gauge Bluetooth® LE
COMPONENT ID	CYBLE-222014-01
MANUFACTURER	Cypress Semiconductor
TRANSMITTING FREQUENCY*	2402 - 2480 MHz
MAX RF TRANSMITTING PWR	0.78 mW
* Other transmitting radio frequencies may exist outside of EU markets.	

Hereby, Polaris Industries Inc. declares that the above radio equipment is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.polaris.com/en-us/radio-conformity/>

ORV CERTIFICATE OF PRE-DELIVERY INSPECTION

IMPORTANT

It is recommended that the owner of this vehicle receive a completed Certificate of Pre-Delivery Inspection form. If you did not receive this form (or a similar version to the sample below), consult your authorized dealer to obtain one.

INTRODUCTION



ORV Certificate of Pre-Delivery Inspection

ATV (All Models)

Year: _____ Model: _____ Model #: _____

VIN: _____ Engine Serial #: _____ Key #: _____ Mileage / Hours: _____

Assembly / Service / Inspection

(Refer to Service Manual for Procedures and Specifications)

☐ SEALED BATTERY - Apply dielectric grease to terminal bolts and install cables. Check voltage and charge if below: 12.8 DC Volts

☐ CONVENTIONAL BATTERY - Open vent / Fill / Charge to 12.8 DC Volts / Install vent line / Install battery / Route vent line properly / Trim vent line if necessary

☐ BATTERY VOLTAGE - Measure and record battery voltage 30 minutes after charger has been removed _____ DCV

☐ TIRE PRESSURE - Verify pressure is set to specification

☐ WHEEL NUTS - Torque to specification

☐ HANDLEBAR CLAMP - Torque bolts to specification

☐ MASTER CYLINDER - Torque bolts to specification

☐ FRONT TIE ALIGNMENT - Verify proper toe setting

☐ BALL JOINTS - Inspect pinch bolts and/or cotter pins

☐ STEERING POST - Inspect cotter pin

☐ TIE RODS - Inspect jam nut(s) and cotter pins

☐ FRONT AND REAR GEARCASE (if applicable) - Add oil if needed

☐ TRANSMISSION - Add oil if needed

☐ DRIVE CHAIN (if applicable) - Verify adj. and lubricator

☐ GREASE FITTINGS (if applicable) - Verify all suspension and propshaft grease fitting locations are lubricated

☐ ENGINE OIL - Add oil if needed
- Dry Sump Engines - If engine oil is above full mark, refer to Service Manual for the "Oil System Priming Procedure"

☐ BRAKE FLUID - Inspect fluid level in brake Master cylinder(s) between MIN and MAX marks. Add brake fluid if needed

☐ ENGINE COOLANT (if applicable) - Inspect level in recovery bottle between MIN and MAX marks. Add coolant if needed

☐ PARK BRAKE - Verify proper operation

☐ THROTTLE / BRAKE CONTROLS - Verify correct and smooth operation

☐ INTAKE / AIRBOX - Inspect hose connections and ensure that clamps are tight. Inspect air filter condition

☐ CHOKE LEVER (if equipped) - Verify proper operation / adj. if needed

☐ LIGHTS - Verify operation (high/low) and adjustment

☐ DUMP BOX (if applicable) - Verify operation

☐ FUEL - Cycle the key to prime and pressurize the fuel pump or turn the fuel valve to "on" for carb models. Check fuel lines and fittings for leaks. Check fuel level

☐ WIRE HARNESS / HOSES / LINES - Inspect wires, hoses and lines for kinks, pinching, and signs of abrasion

☐ UNIT INQUIRY - Complete Applicable Service Bulletin(s), Recall(s) or Factory Directed Modification(s).

☐ COSMETIC INSPECTION - Inspect vehicle for damage and proper fit and finish

Assembled by (signature) _____ Date _____

Test Ride

☐ ENGINE - Starting, acceleration and smoothness

☐ THROTTLE - With engine idling and transmission in neutral, swing hand levers through entire travel range and verify proper and smooth operation

☐ ETC - Verify proper operation and throttle response

☐ FUEL VALVE - Verify proper operation (ON / OFF / RES)

☐ AUXILIARY SHUT-OFF SWITCH - Verify proper operation

☐ BRAKES - Verify proper operation

☐ DRIVE LINE - Verify smooth operation

☐ CLUTCH / TRANSMISSION - Verify proper shifting and transmission engagement / Indicator lights must correspond with gears

☐ AWD / A/D (if applicable) - Verify proper operation

☐ REVERSE SPEED LIMITER - Verify operation and override control

☐ INSTRUMENTATION - Verify operational readings

☐ HAND / THUMB WARMERS AND WINCH (if applicable) - Verify proper operation

☐ SUSPENSION / STEERING - Verify adjustments, stability and operation

☐ IDLE SPEED (Carbureted Models Only) - Verify and adjust if necessary as outlined in the Service Manual

☐ ENGINE COOLANT - Inspect level in recovery bottle between MIN and MAX marks after test ride

☐ DIAGNOSTIC SYSTEM - Run engine up to full operating temperature. Use Digital Wrench to generate and submit a "Service Report" (recommended problem).

☐ LEAKAGE - After completing "DIAGNOSTIC SYSTEM", check for leakage and verify proper connection of Oil / Shock / Fuel / Coolant / Brake Fluid fittings. Inspect hoses for signs of abrasion

☐ CLEAN - Wash and clean vehicle for customer delivery

Test ridden by (signature) _____ Date _____

Delivery to Customer

☐ WARRANTY REGISTRATION FORM - Complete

☐ OWNER'S MANUAL - Emphasize importance of reading for customer safety and servicing of vehicle / Explain periodic maintenance responsibilities

☐ WARRANTY POLICY - Explanation / Limits / Requirements

☐ EMISSION SYSTEM WARRANTY POLICY - Explanation / Limits

☐ KEYS - Record number on key

☐ CONTROLS - Show location and function

☐ BELT LIFE - Discuss proper operating procedures and proper use of high and low range (if applicable)

☐ BREAK-IN PROCEDURE - Review as outlined in Owner's Manual

☐ STORAGE / FUELING / TRANSPORTATION - Review as outlined in Owner's Manual

☐ TOOL KIT - Show location

☐ SAFETY VIDEO - Review with customer

☐ FUEL VALVE (if applicable) - Explain proper operation (ON / OFF / RES)

☐ SAFETY FEATURES - Review all safety features of vehicle operation for new operators

☐ DRIVING PROCEDURES - Review Operator Driving Procedures outlined in the Owner's Manual

☐ SVA TRAINING FACT SHEET - Review with customer

☐ I have instructed the Owner on the authorized SVA safety training course.

☐ I certify that pre-delivery inspection and service have been performed on this vehicle in accordance with the instructions issued by Polaris.

Dealership Name (print) _____

Dealer # _____

Selling Dealer (signature) _____ Date _____

Customer Acceptance

☐ I have reviewed and understand the Polaris warranty policy(ies).

☐ I have inspected the vehicle and I meet my satisfaction.

☐ I understand the importance of following the owner's manual instructions.

☐ I understand the importance of using all safety features.

☐ I understand the importance of all operators following the operator driving procedures in the owner's manual.

☐ I have been instructed on the authorized SVA training course by my dealer.

☐ My dealer has discussed the optional Extended Service Contracts available.

☐ PLEASE READ THE FOLLOWING DISCLAIMER AND "X" IF APPLICABLE
I have chosen to not purchase a Polaris Protection Extended Service Contract at this time. I understand that by declining the Polaris Protection Plan, I acknowledge that I have been offered the optional service plan for an amount in addition to the price of the vehicle itself, that I have read the service plan and have decided not to buy it, and that I understand that I am not entitled to any benefits under this service plan.

Customer Name _____

Customer Signature _____ Date _____

White / Dealer _____

Canary / Customer _____

PJ 8614701 R10 04/21/14

SAFETY

SAFETY TRAINING

ATV safety training is a top priority for POLARIS. POLARIS strongly encourages you and any family members who will be riding the ATV to take a training course.

A POLARIS ATV is an off-road vehicle. Familiarize yourself with all laws and regulations concerning the operation of this vehicle in your area. We strongly advise you to strictly follow the recommended maintenance program outlined in your vehicle manual. This preventive maintenance program is designed to ensure that all critical components on your vehicle are thoroughly inspected at specific intervals.

SAFETY TRAINING IN THE UNITED STATES

If you purchased a new POLARIS ATV in the United States, your dealer provided information about the authorized ATV *RiderCourse*sm that is available to you and your eligible family members. This training is included in the purchase price of your ATV. You were also provided with printed materials that explain safe operating procedures. You should review this information on a regular basis.

If you purchased a used POLARIS ATV in the United States, you can enroll in the ATV *RiderCourse*sm for a fee. Call ATV Enrollment Express at (800) 887-2887 or visit www.atvsafety.org. If you purchased a POLARIS ATV outside the United States, please contact your dealer or local law enforcement agencies for information about safety training.

FOR MORE INFORMATION ABOUT ATV SAFETY in the United States, call the Consumer Product Safety Commission at 1-800-638-2772, or visit www.cpsc.gov, visit www.atvsafety.org, or call POLARIS at 1-800-342-3764.

SAFE RIDING GEAR

Always wear helmet, eye protection, gloves, long-sleeve shirt, long pants, and over-the-ankle boots at all times. Protective gear reduces the chance of injury.

- ① Helmet
- ② Eye Protection
- ③ Long Sleeves
- ④ Gloves
- ⑤ Long Pants
- ⑥ Over-the-Ankle Boots



SAFETY

HELMET

Wearing a helmet can prevent a severe head injury. Whenever riding this POLARIS vehicle, always wear a helmet that meets or exceeds established safety standards. Clasp the buckle and pull each strap tight to ensure the helmet is properly secured to the head.

Approved helmets in the USA and Canada bear a U.S. Department of Transportation (DOT) label.



Approved helmets in Europe, Asia and Oceania bear the ECE 22.05 label. The ECE mark consists of a circle surrounding the letter E, followed by the distinguishing number of the country which has granted approval. The approval number and serial number will also be displayed on the label.



EYE PROTECTION

Do not depend on eyeglasses or sunglasses for eye protection. Whenever riding this POLARIS vehicle, always wear shatterproof goggles or use a shatterproof helmet face shield. POLARIS recommends wearing approved Personal Protective Equipment (PPE) bearing markings such as VESC 8, V-8, Z87.1, or CE. Make sure protective eye wear is kept clean.

GLOVES

Wear gloves for comfort and for protection from sun, cold weather and other elements.

BOOTS

Wear sturdy over-the-ankle boots for support and protection. Never ride a POLARIS vehicle with bare feet or sandals.

CLOTHING

Wear long sleeves and long pants to protect arms and legs.

SAFETY WARNINGS

WARNING

Failure to operate this vehicle properly can result in a collision, loss of control, accident or rollover, which may result in serious injury or death. Heed all safety warnings outlined in this section of the owner's manual and in the safety DVD provided with your vehicle. See the OPERATION section of the owner's manual for proper operating procedures.

OPERATING WITHOUT INSTRUCTION

Operating this ATV without proper instruction increases the risk of an accident. The operator must understand how to operate the ATV properly in different situations and on different types of terrain.

Beginning and inexperienced operators should complete the recommended safety training before operating this vehicle.

Never permit a guest to operate the ATV unless the guest has read this manual and all product labels and has completed a certified safety training course.



AGE RESTRICTIONS

This vehicle is an ADULT VEHICLE ONLY. Operation is prohibited for anyone under 16 years of age.

Never allow anyone under 12 years of age to ride as a passenger on a 2-up ATV.

Even though a child may be within the recommended age group for operating some ATVs, they may not have the skills, abilities, or judgment needed to operate or ride on this ATV safely and could be susceptible to accident or injury.



SAFETY

USING ALCOHOL OR DRUGS

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

Operating this vehicle after consuming alcohol or drugs could adversely affect operator judgment, reaction time, balance and perception.



CARRYING MORE THAN ONE PASSENGER ON A 2-UP ATV

Carrying more than one passenger on a 2-up ATV greatly reduces the operator's ability to balance and control the ATV, which may result in an accident or rollover. Never carry more than one passenger on a 2-up ATV.



FAILURE TO INSPECT BEFORE OPERATING

WARNING

Failure to inspect and verify that the vehicle is in safe operating condition before operating increases the risk of an accident.

Always perform the pre-ride inspection before each use of your vehicle to make sure it's in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described in this owner's manual.

HANDLING GASOLINE

Gasoline is highly flammable and explosive under certain conditions.

- Always exercise extreme caution whenever handling gasoline.
- Always refuel with the engine stopped, and outdoors or in a well ventilated area.
- Never carry fuel or other flammable liquids on this vehicle. Failure to follow this instruction could lead to serious burn injuries or death.
- Do not smoke or allow open flames or sparks in or near the area where refueling is performed or where gasoline is stored.
- Do not overfill the tank. Do not fill the tank neck.
- If gasoline spills on your skin or clothing, immediately wash it off with soap and water and change clothing.

EXPOSURE TO EXHAUST



Engine exhaust fumes are poisonous and can cause loss of consciousness or death in a short time. Never start the engine or let it run in an enclosed area. Operate this vehicle only outdoors or in well-ventilated areas.

PROTECTIVE APPAREL

Riding in this vehicle without wearing an approved helmet and protective eye wear increases the risk of a serious injuries in the event of an accident.

Always wear a helmet, eye protection, gloves, long-sleeve shirt, long pants and over-the-ankle boots.



SAFETY

OPERATING ON PUBLIC ROADS

Operating this vehicle on public streets, roads or highways could result in a collision with another vehicle. Never operate this vehicle on any public street, road or highway, including dirt and gravel roads (unless designated for off-highway use).



OPERATING AT EXCESSIVE SPEEDS

Operating this vehicle at excessive speeds increases the operator's risk of losing control. Always operate at a speed that's appropriate for the terrain, the visibility and operating conditions and your skills and experience.



PHYSICAL CONTROL OF THE VEHICLE

Removing even one hand or foot can reduce ability to control the vehicle or could cause loss of balance and ejection from the ATV.

If a person's feet are not firmly planted on the footrests, they could come into contact with the wheels or other moving parts and lead to accident or injury.

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

TURNING IMPROPERLY



Turning improperly could cause loss of traction, loss of control, accident or rollover. Always follow proper procedures for turning as described in this owner's manual.

Avoid sharp turns. Never turn while applying heavy throttle. Never make abrupt steering maneuvers. Practice turning at slow speeds before attempting to turn at faster speeds.

JUMPS AND STUNTS

Exhibition driving increases the risk of an accident or rollover. **DO NOT** do power slides, "donuts", jumps or other driving stunts. Avoid exhibition driving.



IMPROPER HILL CLIMBING

Improper hill climbing could cause loss of control or rollover. Use extreme caution when operating on hills. Always follow proper procedures for hill climbing as described in this owner's manual. See the New Operator Driving Procedures section for details.

DESCENDING HILLS IMPROPERLY

Improperly descending a hill could cause loss of control or rollover. Always follow proper procedures for traveling down hills as described in this owner's manual. See the New Operator Driving Procedures section for details.

CROSSING HILLSIDES

Driving on a sidehill is not recommended. Improper procedure could cause loss of control or rollover. Avoid crossing the side of any hill unless absolutely necessary.

If crossing a hillside is unavoidable, always follow proper procedures as described in this owner's manual. See the New Operator Driving Procedures section for details.

SAFETY

STALLING WHILE CLIMBING A HILL

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

- Always maintain a steady speed when climbing a hill.
- Always engage ADC mode (if equipped) before ascending or descending a hill. If ADC mode is not equipped, apply AWD mode before ascending or descending a hill.



If all forward speed is lost:

- Lean forward to keep body weight uphill. A passenger should also lean uphill.
- Apply the brakes.
- Lock the parking brake when fully stopped.
- Dismount on the uphill side of the vehicle, or on the left if the vehicle is pointing straight uphill. Have a passenger dismount first, then the operator may dismount.
- Turn the ATV around and remount, following the procedure described in the owner's manual.

If the ATV begins rolling downhill:

- Keep operator and passenger body weight uphill.
- Never apply engine power.
- Apply the brake lever gradually.
- When fully stopped, apply the auxiliary brake as well, and then lock the parking brake.
- Dismount on the uphill side of the vehicle, or on the left if the vehicle is pointing straight uphill. Have a passenger dismount first, then the operator may dismount.
- Turn the ATV around and remount, following the procedure described in the owner's manual.

OPERATING ON STEEP HILLS

Operating on excessively steep hills could cause an overturn.

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

Never operate this ATV on hills steeper than 15 degrees.



OPERATING ON SLIPPERY TERRAIN

Failure to use extra caution when operating on excessively rough, slippery or loose terrain could cause loss of traction, loss of control, accident or overturn.

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

Always use extra caution on rough, slippery or loose terrain.



OPERATING IN UNFAMILIAR TERRAIN

Failure to use extra caution when operating on unfamiliar terrain could result in an accident or rollover.

Unfamiliar terrain may contain hidden rocks, bumps, or holes that could cause loss of control or rollover.

Travel slowly and use extra caution when operating on unfamiliar terrain. Always be alert to changing terrain conditions.

SAFETY

IMPROPER TIRE MAINTENANCE

Operating this vehicle with improper tires or with improper or uneven tire pressure could cause loss of control or accident.

Always use the size and type of tires specified for your vehicle.

Always maintain proper tire pressure as described in the owner's manual and on safety labels.



OPERATING IMPROPERLY IN REVERSE

Improperly operating in reverse could result in a collision with an obstacle or person. Always follow proper operating procedures as outlined in this manual. See the New Operator Driving Procedures section for details.

Before shifting into reverse gear, always check for obstacles or people behind the vehicle. When it's safe to proceed, back slowly.

OPERATING OVER OBSTACLES

Improperly operating over obstacles could cause loss of control or rollover.

Before operating in a new area, check for obstacles. Avoid operating over large obstacles such as large rocks and fallen trees. Always follow the proper procedures outlined in this manual when operating over obstacles. See the New Operator Driving Procedures section for details.



SKIDDING OR SLIDING

Failure to use extra caution when operating on excessively rough, slippery or loose terrain could cause loss of traction, loss of control, accident or rollover. Do not operate on excessively slippery surfaces. Always slow down and use additional caution when operating on slippery surfaces.

Skidding or sliding due to loss of traction can cause loss of control or rollover (if tires regain traction unexpectedly). Always follow proper procedures for operating on slippery surfaces as described in this owner's manual. See the New Operator Driving Procedures section for details.



OPERATING A DAMAGED VEHICLE

CAUTION

Operating a damaged vehicle can result in an accident. After any rollover or other accident, have a qualified service dealer inspect the entire machine for possible damage, including (but not limited to) seat belts, rollover protection devices, brakes, throttle, and steering systems.

OPERATING THROUGH WATER

Operating through deep or fast-flowing water can cause loss of traction, loss of control, rollover or accident. Never operate in fast-flowing water or in water that exceeds the floor level of the vehicle.

Always follow proper procedures for operating in water as described in this owner's manual.

Wet brakes may have reduced stopping ability. After leaving water, test the brakes. Apply them lightly several times while driving slowly. The friction will help dry out the pads.

OPERATING IN LIGHTNING

Avoid operating this vehicle when lightning could occur unless the vehicle is equipped with a fully enclosed cab. Rubber tires, rubber handgrips and a foam seat will not protect a rider from lightning strikes. Always seek safe shelter when lightning is imminent.

SAFETY

IMPROPER CARGO LOADING

Overloading the vehicle or carrying cargo improperly may cause changes in stability and handling, which could cause loss of control or an accident.

- Always follow the instructions in this owner's manual for carrying cargo.
- Never exceed the stated load capacity for this vehicle.
- Cargo should be properly distributed and securely attached.
- Reduce speed when carrying cargo or pulling a trailer. Allow a greater distance for braking.

OPERATING ON FROZEN BODIES OF WATER

Severe injury or death can result if the vehicle and/or the operator fall through the ice. Never operate the vehicle on a frozen body of water unless you have first verified that the ice is sufficiently thick to support the weight and moving force of the vehicle, you and your cargo, together with any other vehicles in your party.

Always check with local authorities and residents to confirm ice conditions and thickness over your entire route. Vehicle operators assume all risk associated with ice conditions on frozen bodies of water.

POOR VISIBILITY



Operating this vehicle in darkness or inclement weather could result in a collision or accident, especially if operating on a road or street. Use caution and drive at reduced speeds in conditions of reduced visibility such as fog, rain and darkness. Clean headlights frequently and replace burned out headlamps promptly.

PHYSICAL SKILLS

Safe operation of this rider-active vehicle requires good judgement and physical skills. Persons with cognitive or physical disabilities who operate this vehicle have an increased risk of overturn and loss of control.

HOT EXHAUST SYSTEMS

WARNING

Exhaust system components are very hot during and after use of the vehicle. Hot components can cause burns and fire. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system.

Use caution when traveling through tall grass, especially dry grass and when traveling through muddy conditions. Always inspect the underside of the vehicle and areas near the exhaust system after driving through tall grass, weeds, brush, other tall ground cover, and muddy conditions. Promptly remove any grass, debris or foreign matter clinging to the vehicle and pay particular attention to the exhaust system area.

UNAUTHORIZED USE OF THE VEHICLE

Leaving the keys in the ignition can lead to unauthorized use of the vehicle by someone under the age of 16, without a drivers license, or without proper training. This could result in an accident or rollover. Always remove the ignition key when the vehicle is not in use.

EQUIPMENT MODIFICATIONS

Your POLARIS vehicle is designed to provide safe operation when used as directed. Modifications to your vehicle may negatively impact vehicle stability. Failure of critical machine components may result from operation with any modifications, especially those that increase speed or power. This vehicle may become less stable at speeds higher than those for which it is designed. Loss of control may occur at higher speeds.

Do not install any non-POLARIS-approved accessory or modify the vehicle for the purpose of increasing speed or power. Any modifications or installation of non-POLARIS-approved accessories could create a substantial safety hazard and increase the risk of bodily injury.

The POLARIS limited warranty on your POLARIS vehicle will be terminated if any non-POLARIS approved equipment and/or modifications have been added to the vehicle that increase speed or power.

The addition of certain accessories, including (but not limited to) mowers, blades, tires, sprayers, or large racks, may change the handling characteristics of the vehicle. Use only POLARIS-approved accessories, and familiarize yourself with their function and effect on the vehicle.

SAFETY

The addition of certain accessories, including (but not limited to) overhead audio speakers, may change the forward clearance in the vehicle. Polaris recommends selecting a helmet that is compatible with the equipment on your vehicle and provides the greatest amount of forward clearance. Always wear a helmet that meets or exceeds the specifications in this owner's manual. Refer to the Safe Riding Gear section of this owner's manual for more information. Use only POLARIS-approved accessories.

FOR MORE INFORMATION ABOUT SAFETY IN THE UNITED STATES call POLARIS at 1-800-342-3764.

TRAILER HITCH WARNING (IF EQUIPPED)

If using a hitch, ensure the receiver does not exceed a two inch drop or raise.

WARNING

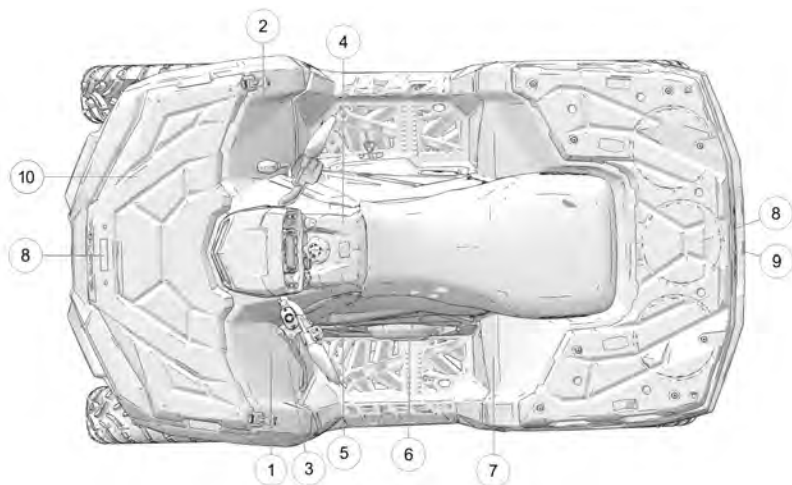
When trailering with your ATV, be aware that the exhaust is located above the hitch ball receiver and the trailer hitch. During operation of the ATV, the exhaust will produce hot exhaust gas that should not be inhaled and that may elevate the surface temperature of surrounding surfaces, including trailer surfaces (e.g., trailer hitch, trailer tongue, trailer walls, . . . etc.). To reduce the risk of inhaling exhaust gases and to avoid risk of burn or injury, shut off your engine and allow time for the exhaust gases to dissipate and for the surfaces surrounding the exhaust to cool, including the trailer surfaces, before connecting or disconnecting a trailer. To reduce the potential for the trailer hitch or trailer tongue from getting too hot, do not use a receiver hitch with a rise of more than two inches.

SAFETY LABELS AND LOCATIONS

Warning labels have been placed on the vehicle for your protection. Read and follow the instructions on each label carefully. If any of the labels shown in this manual differ from the labels on your vehicle, always read and follow the instructions of the labels on the vehicle.

If an informational or graphic label becomes illegible or comes off, contact your POLARIS dealer to purchase a replacement. Replacement safety labels are provided by POLARIS at no charge. The part number is printed on the label.

SPORTSMAN 570 MD



- | | |
|-----------------------|-----------------------------|
| ① General Alert | ⑥ Clutch Cover Alert |
| ② Discretionary Alert | ⑦ Tire Pressure Alert |
| ③ Fuel Alert | ⑧ Rack Alerts |
| ④ AWD/4x4 Alert | ⑨ Hitch Alert (if equipped) |
| ⑤ Override Alert | ⑩ Radiator Cap Warning |

SAFETY

GENERAL ALERT



WARNING

Before you operate this vehicle, read the owner's manual.

NEVER allow anyone under 16 years of age to operate this vehicle.

Wear approved helmet, goggles, and protective clothing.

NEVER use alcohol or drugs before or while operating

NEVER carry a passenger.

NEVER operate the vehicle on any public street, road or highway.

DISCRETIONARY ALERT

⚠ WARNING

Read and understand your owner's manual. Never operate this vehicle on HILLS steeper than 15°.



4X4 (AWD) ALERT

⚠ WARNING

Do not push switch to engage 4X4 (AWD) if the rear wheels are spinning. This may cause severe drive shaft and clutch damage.



HITCH CAPACITY ALERT

⚠ WARNING

MAXIMUM DRAWBAR PULL:
3700 N on level ground
MAXIMUM VERTICAL LOAD:
1400 N



OVERRIDE ALERT

⚠ WARNING

Improper use of override button can lead to loss of control resulting in severe injury or death. Do not activate override while throttle is engaged. Always apply throttle gradually while in reverse.



SAFETY

CLUTCH COVER ALERT

⚠ WARNING

Keep body parts away from belt.



TIRE PRESSURE ALERT

⚠ WARNING

TIRE PRESSURE IN kPa:

FRONT – 48,3 kPa

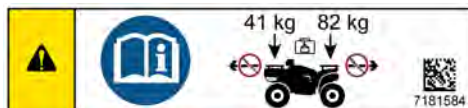
REAR – 48,3 kPa



RACK ALERT

⚠ WARNING

DO NOT TOW FROM RACK OR BUMPER. Vehicle damage or tipover may result causing severe injury or death. Tow only from tow hooks or hitch.



Maximum Rack Loads: Front 41 kg. Rear 82 kg.

RADIATOR CAP WARNING

⚠ WARNING

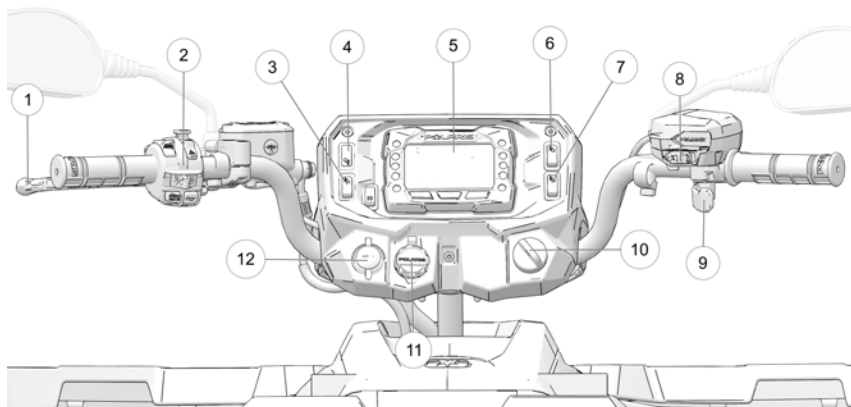
Hot pressurized fluid can cause serious burns. Do not touch radiator cap when hot. Open slowly.



FEATURES AND CONTROLS OVERVIEW

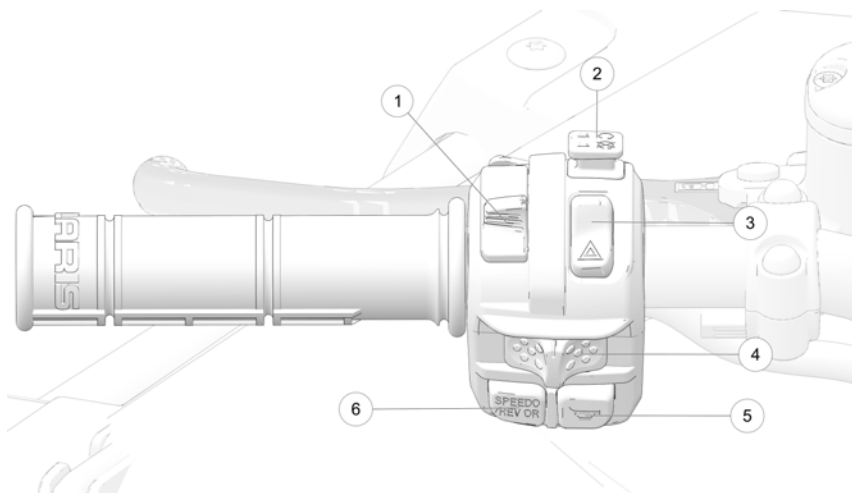
NOTICE

The image below is shown for reference only. Your model may vary slightly.



- | | |
|---------------------------------------|-------------------------------------|
| ① Brake Lever | ⑦ Thumb Warmer Switch (if equipped) |
| ② Left Hand Controls | ⑧ Driveline Mode Switch |
| ③ Rear Fog Light Switch (if equipped) | ⑨ Throttle Switch |
| ④ Work Light Switch (if equipped) | ⑩ Ignition Switch |
| ⑤ Digital Display | ⑪ Battery Charge Port |
| ⑥ Hand Warmer Switch (if equipped) | ⑫ Auxiliary Outlet |

LEFT HAND CONTROLS



① Light Switch

② Engine Stop Switch

③ Hazard Switch

④ Turn Signal Switch

⑤ Horn Switch

⑥ Override Switch

ENGINE STOP SWITCH

NOTICE

The engine will not start or run when the switch is in the OFF position.

Push the stop switch down to stop the engine quickly. Pull the stop switch up to the RUN position before attempting to start the engine.

Both the main switch and the engine stop switch will shut off all electrical power to the vehicle, including lights.

SWITCH POSITION	FUNCTION
	OFF
	RUN

HAZARD WARNING SWITCH

Push the hazard warning switch to cause all turn signal lights to flash simultaneously. Use this feature to alert others of an emergency or other situation requiring caution.

HORN SWITCH

Press the horn switch to sound the horn.

FEATURES AND CONTROLS

MODE / REVERSE OVERRIDE SWITCH

This vehicle is equipped with a reverse speed limiter system. To gain additional wheel speed while backing, release the throttle and depress the override switch.

WARNING

Pressing the override switch while the throttle is open can cause loss of control, which may result in serious injury or death. Always release the throttle before pressing the override switch.

The reverse override switch also acts as a MODE button when held down for approximately one half second. The transmission cannot be in reverse when using the override switch as a MODE button.

TURN SIGNAL SWITCH

Push the toggle switch either left or right to activate the corresponding turn signal light. The indicator in the gauge will also flash. Return the toggle to the center position and push it inward to end the signal.

HEADLIGHT AND MOMENTARY HIGH BEAM SWITCH

The lights do not operate unless the main key switch is on and the engine stop switch is in the RUN position.

SWITCH POSITION	FUNCTION
	High Beam
	Low Beam

Press this switch with your left forefinger to activate the headlight high beam. The lights will return to low beam when the switch is released.

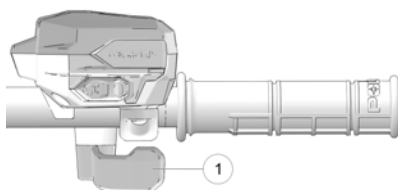
RIGHT-HAND CONTROL

THROTTLE LEVER

WARNING

Operating an ATV with sticking or improperly operating throttle controls could cause an accident. Never start or operate an ATV that has a sticking or improperly operating throttle. Immediately contact your POLARIS dealer or other qualified person for service if throttle problems arise. Failure to check or maintain proper operation of the throttle system can result in an accident if the throttle lever sticks during operation. Always check the lever for free movement and return before starting the engine. Also check occasionally during operation.

Engine speed and vehicle movement are controlled by pressing the throttle lever ①. The throttle lever is spring loaded. Engine speed returns to idle when the lever is released.

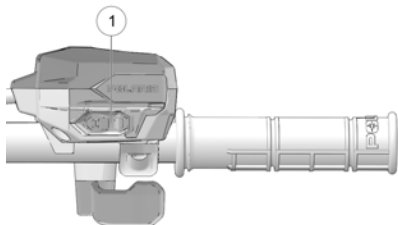


WARNING

Modifications to the electronic throttle control could result in failure to perform as designed, which could result in an accident. Do not attempt to modify the throttle control system or replace it with any after market throttle mechanisms.

DRIVELINE MODE SWITCH

The driveline mode switch ① controls the All Wheel Drive (AWD) system. Use this switch to change the driveline modes between Turf Mode, 2WD, AWD, and ADC. The vehicle automatically engages AWD when operating in reverse if the driveline mode is set to AWD.



FEATURES AND CONTROLS

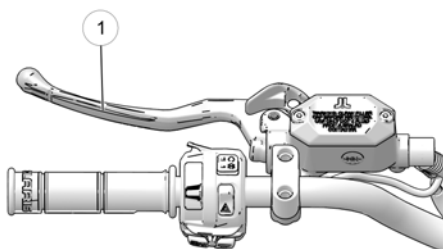
BRAKES

BRAKE LEVER

WARNING

Operating the ATV with a spongy brake lever can result in loss of braking, which could cause an accident. Never operate the ATV with a spongy-feeling brake lever. Always contact your dealer for service before operating the vehicle.

Squeeze the brake lever ① toward the handlebar to apply the front and rear brakes. These brakes are hydraulically activated disc type brakes that are activated by only one lever. Always test brake lever travel and master cylinder fluid level before riding. When squeezed, the lever should feel firm.



Any sponginess would indicate a possible fluid leak or low master cylinder fluid level, which must be corrected before riding. Contact your POLARIS dealer or other qualified service facility for proper diagnosis and repairs.

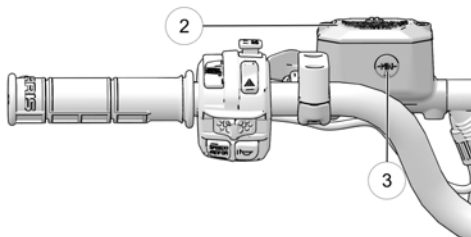
MASTER CYLINDER/BRAKE FLUID

WARNING

An over-full master cylinder may cause brake drag or brake lock-up, which could result in an accident. Maintain brake fluid at the recommended level. Do not overfill.

Check the brake fluid in the master cylinder before each ride.

1. Position the ATV on a level surface.
2. Position the handlebars so the master cylinder ② is level.



3. View the brake fluid level through the indicator window ③ on the side of the master cylinder. The window will appear dark when the fluid level is at MAX. When fluid level is at the MIN mark, only the lower half of the indicator will be dark. If the entire indicator window is clear, the master cylinder is empty of fluid.
4. If fluid level is below the MIN mark, remove the cover screws and add fluid to the fill line. *Do not overfill.* Use DOT 4 brake fluid only.

IMPORTANT

Operating the ATV with brake fluid levels below the MIN mark may cause poor braking performance. If fluid levels are consistently low, it could indicate a leak somewhere in the brake system. Always ensure the master cylinder reservoir has the recommended amount of brake fluid. Do not operate if brake fluid is below the MIN line.

5. Reinstall the cover. Torque screws to specification.

TORQUE

Brake Fluid Cover Screws
17.7 in-lbs (2 N·m)

WARNING

Never store or use a partial bottle of brake fluid. Brake fluid is hygroscopic, meaning it rapidly absorbs moisture from the air. The moisture causes the boiling temperature of the brake fluid to drop, which can lead to early brake fade and the possibility of brake failure, which could result in an accident. After opening a bottle of brake fluid, always discard any unused portion.

BRAKE HOLDING LATCH

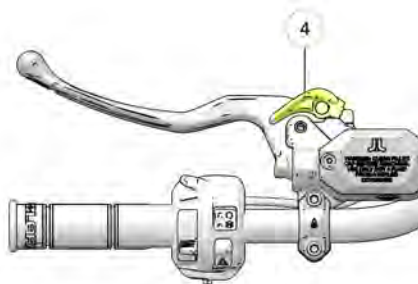
WARNING

Operating the ATV while the brake holding latch is engaged could result in an accident or fire. Always check to be sure the latch is disengaged before operating.

To lock the parking brake, do the following:

FEATURES AND CONTROLS

1. Place the transmission in PARK.
2. Squeeze and release the brake lever two or three times, then squeeze and hold.
3. Push the brake holding latch ④ forward to engage the lock.
4. Release the brake lever.
5. To release the brake holding latch, squeeze and release the brake lever. It will return to its unlocked position.



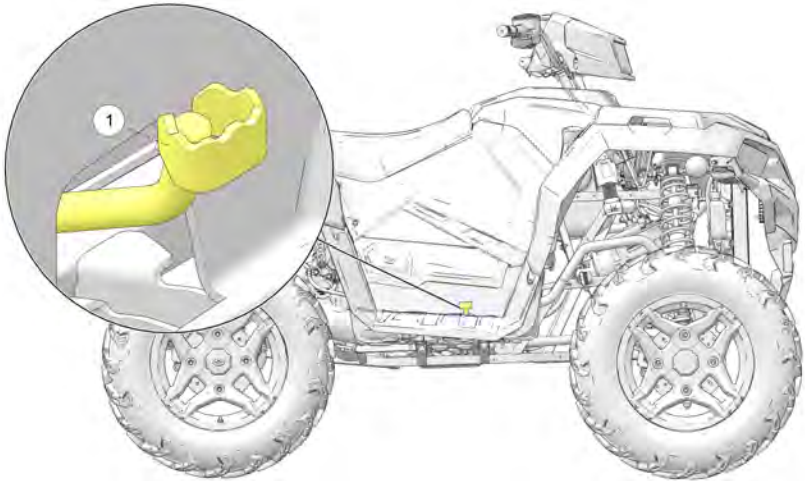
NOTICE

The brake holding latch may relax if left on for a long period of time. Always block the wheels to prevent rolling. Always block the wheels on the downhill side of the ATV if leaving it parked on a hill. Another option is to park the ATV in a sidehill position. Never depend on the brake holding latch alone if the ATV is parked on a hill. Always block the wheels to prevent rolling.

AUXILIARY FOOT BRAKE

WARNING

Never back down a hill. Applying the auxiliary brake when backing down a hill may cause rear tipover, which could result in serious injury or death. Use caution when applying the auxiliary brake. Do not aggressively apply the auxiliary brake when going forward. The rear wheels may skid and slide sideways, causing loss of control and serious injury or death.



The auxiliary brake system is intended to be used as a backup for the main brake system. Should the main system fail, use the auxiliary foot brake ①. The auxiliary foot brake is located on the inside of the right footrest. Operate this brake with your right foot. If the rear wheels slide while using the auxiliary brake, *reduce* brake pedal pressure to brake the rear wheels without skidding.

BRAKE FLUID LEVEL

Check the brake fluid level frequently for the auxiliary brake system. The reservoir is located under the front storage box.

Maintain the fluid level between the maximum and minimum marks. Use DOT 4 brake fluid only.



DOT 4

STUCK BRAKE

This ATV is designed to prevent riders from driving through their brakes or overheating the brake system in the event of a stuck brake. If the brakes are engaged and the system detects pressure on the throttle, power will be limited to the vehicle and a scrolling message will appear on the gauge: "RELEASE BRAKES".

In the event of this message, do the following:

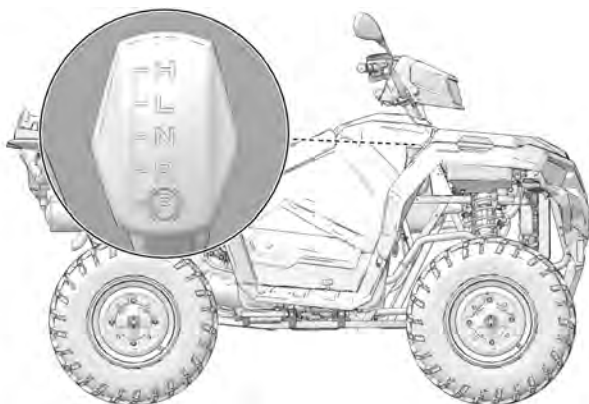
FEATURES AND CONTROLS

1. Bring vehicle to a full stop.
2. Check the brakes to ensure the brake lever is not stuck and the brake holding latch is unlocked.
3. Once brakes are disengaged, the message will clear and the fault will be saved in the historic code.

AUTOMATIC TRANSMISSION GEAR SELECTOR

The transmission gear selector is located on the right side of the vehicle. To shift gears, brake to a complete stop. When the engine is idling, move the lever to the desired gear.

H: High Gear
L: Low Gear
N: Neutral
R: Reverse
P: Park



NOTE

Shifting gears with the engine speed above idle or while the vehicle is moving could cause transmission damage.

Whenever the ATV is left unattended, always place the transmission in PARK and lock the parking brake.

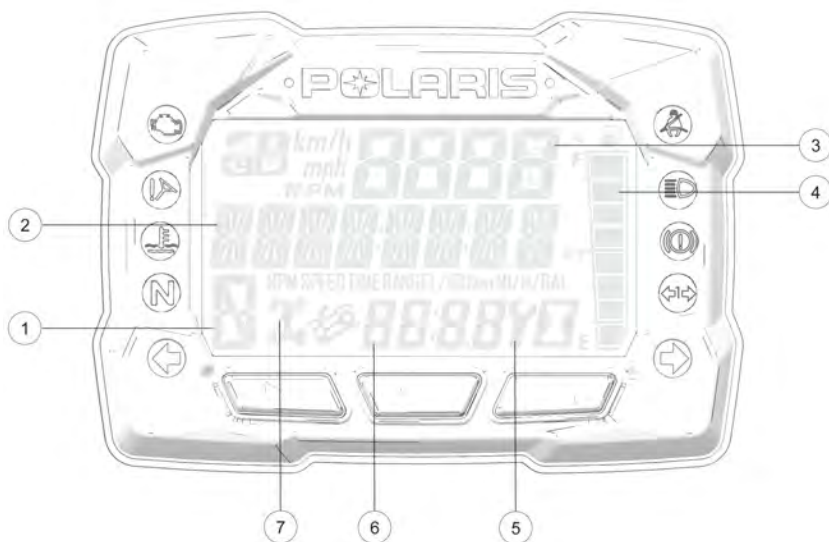
TIP

To extend belt life, use low forward gear when pulling a heavy load at less than seven miles per hour for extended periods and when operating uphill at a slow speed.

INSTRUMENT CLUSTER OVERVIEW

NOTICE

Features and telltales vary by model.



DISPLAY AREA	FUNCTION
① Gear Indicator	H = High Gear L = Low Gear N = Neutral R = Reverse Gear P = Park – = Gear Signal Error (or shifter between gears)
② Display Area 2	This area displays odometer, trip meter, trip meter 2, voltage, engine temperature, engine hour meter, programmable service hour interval, ground speed, or engine RPM.
③ Display Area 1	This area displays engine RPM, ground speed, or coolant temperature.
④ Fuel Gauge	The segments of the fuel gauge show the level of fuel in the fuel tank. When the last segment clears, a low fuel warning is activated. All segments including the fuel icon will flash. Refuel immediately.

FEATURES AND CONTROLS

DISPLAY AREA	FUNCTION
⑤ Service Indicator	A flashing wrench symbol alerts the operator that the preset service interval has been reached. Your POLARIS dealer can provide scheduled maintenance. See page 65 for more information.
⑥ Clock	The clock displays time in a 12-hour or 24-hour format.
⑦ Driveline Mode Indicator	Segments of the indicator illuminate based on driveline mode engaged.

INDICATOR LAMPS

INDICATOR	ICON	FUNCTION
Check Engine		This indicator appears if a fault occurs. Do not operate the vehicle if this warning appears. Serious engine damage could result. Your authorized POLARIS dealer can assist.
EPS Warning (if equipped)		This indicator illuminates when a fault has occurred in the EPS system. Your authorized POLARIS dealer can assist. EPS operation is possible with key on/engine off for up to 5 minutes.
Engine Hot		This lamp illuminates to indicate an overheated engine of at least (111 °C). If the indicator flashes, a severe overheating condition exists. Engine shut down will occur at (119 °C).
Neutral		This lamp illuminates when the transmission is in neutral and the ignition key is in the ON position.
Helmet/Seat Belt		This lamp flashes for several seconds when the key is turned to the ON position. The lamp is a reminder to wear helmet and seat belt (if equipped) before operating.

FEATURES AND CONTROLS

INDICATOR	ICON	FUNCTION
High Beam		This lamp illuminates when the headlamp switch is set to high beam.
Brake Failure		Lamp illuminates when Brake System detects a stuck brake while throttle lever is engaged. Stop vehicle, check brake functionality, and verify brake fluid in reservoirs.
Trailer Indicator		The Turn Trailer Indicator is illuminating when the trailer turn signals are active.

FEATURES AND CONTROLS

DISPLAY AREA 1

Pressing the MODE button will change the information displayed in Area 1 ①.



DISPLAY AREA 1	FUNCTION
Speed	The vehicle's speed will be displayed in mph, or km/h.
Engine Temperature	The vehicle's current engine temperature will be displayed.
RPM	The vehicle's RPM will be displayed.

DISPLAY AREA 2

Toggle the Up/Down buttons to change the information displayed in Area 2 ②.



DISPLAY AREA 2	FUNCTION
Odometer	The vehicle's odometer reading will be displayed.
Engine Temperature	The vehicle Engine Temperature will be displayed.
Trip 1	The vehicle Trip 1 mileage will be displayed.
Trip 2	The vehicle Trip 2 mileage will be displayed.
RPM	The vehicle RPM will be displayed.
Voltage	The vehicle's current battery voltage will be displayed.
Speed	The vehicle's current speed will be displayed.
Engine Hours	The vehicle's engine hours will be displayed.
Service Hours	The vehicle's service hours will be displayed.

FEATURES AND CONTROLS

OPTIONS MENU

From the options menu you can view diagnostic codes, access the advanced menu, set the clock, and much more. For a full list of available options see below.

To enter the Options Menu, press and hold the MODE button.



OPTIONS MENU	NOTES
Electronic Power Steering (EPS)	Turn EPS feature on/off and set between high or low.
Diagnostic Codes	Only displays if fault codes are present or stored
Advanced Menu (if equipped)	Set maximum speed, and geofencing settings.
Units - Distance	Select MPH or KPH
Units - Temp	Select between °F and °C
Clock (if equipped)	Select between 12H or 24H, and set time
Backlight Color	Select between Blue or Red
Backlight Level	Set backlight brightness level
Service Hours	View/Set Service hours
Exit Menu	Exit

ELECTRONIC POWER STEERING (EPS)

Electronic power steering (EPS), if equipped, engages when the ignition key is turned to the ON position. EPS remains engaged whether the vehicle is moving or idle. See the Instrument Cluster section for EPS Warning Indicator information.

NOTICE

Never switch EPS modes while the vehicle is in motion. Ensure the vehicle is fully stopped and no force is applied to the steering system before switching EPS modes.

EPS has three modes: high, medium, low. To set the EPS mode, do the following.

1. Stop the ATV and put it in PARK.
2. Press and hold the MODE button to enter the Options Menu. "OPTIONS" will display on the screen for 3 seconds before showing the first menu item.
3. Select "EPS" from the Options Menu by pressing the MODE button.
4. Toggle the Up/Down Buttons to choose between the high, medium, and low modes.
5. Press the MODE button to lock in the EPS setting.



FEATURES AND CONTROLS

DIAGNOSTIC CODE

Diagnostic Code Screen will show available MIL that has come on during that ignition cycle.

To access the Diagnostic Code Screen, do the following:

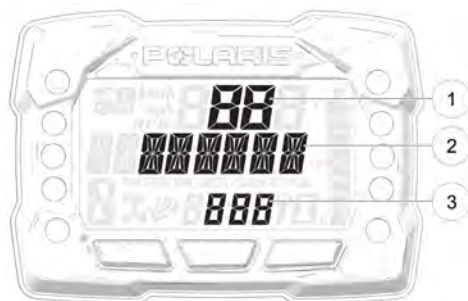
1. Press and hold the MODE button to enter the Options Menu. "OPTIONS" will display on the screen for 3 seconds before showing first menu item.
2. Select "Diagnostic Codes" from the Options Menu by pressing the MODE button.

Toggle the Up/Down Buttons to cycle through Code(s).

NOTICE

This option will only be available if a fault code was set or is active during the current ignition key 'on' cycle. Turning off the ignition will clear any save fault codes from the gauge.

- ① Display area 1 will show FMI
- ② Display area 2 will show SPN
- ③ Clock Area will show Count.



NOTICE

When the gauge is displaying a fault code, the warning telltale (check engine or EPS) will blink to indicate which controller set the fault code.

- To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

ADVANCED MENU (IF EQUIPPED)

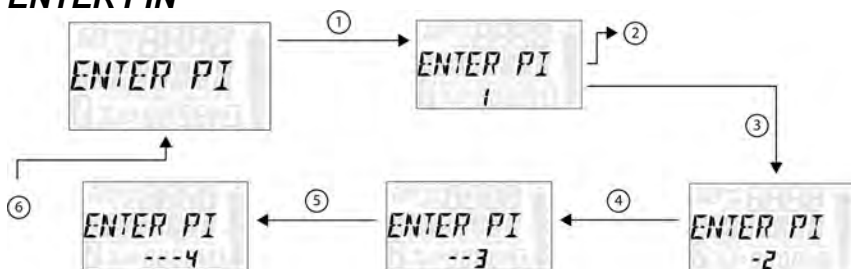
From the Advanced menu (if equipped) you can set the maximum speed, enable and disable a geofence, and more. For a full list of available options see below.



ADVANCED MENU	NOTES
Maximum Speed	Set maximum Speed
Geofence	Enable/Disable Geofence
Inside Geofence Speed	Set inside Geofence maximum vehicle speed
Outside Geofence Speed	Set outside Geofence maximum vehicle speed
Change PIN (if equipped)	Change PIN
Exit Advanced Menu	Exit

FEATURES AND CONTROLS

ENTER PIN



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "ADVANCED MENU" by pressing the MODE button.
3. Enter PIN.

NOTICE

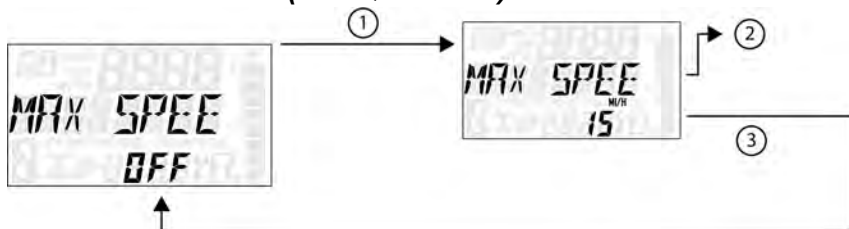
If PIN is lost or displaced please contact your Polaris dealer for assistance.

4. To exit the Advanced Menu the user can select Exit Menu function from Advanced Menu, can hold MODE button and exit out of Advanced Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

NOTE

The gauge will lock after 5 incorrect PIN entries. To unlock the gauge, power cycle the vehicle using the key ignition switch.

MAXIMUM SPEED (IF EQUIPPED)



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "ADVANCED MENU" by pressing the MODE Button.
3. Enter PIN.
4. Select "MAX SPEED" from the Advanced Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
 - ② Toggle the Up/Down Buttons to increase/decrease Max Speed.
 - ③ With the desired Max Speed displayed, press the MODE button which will set the Max Speed and return to the Advanced Menu.
5. To exit the Advanced Menu the user can select Exit Menu function from Advanced Menu, can hold MODE Button and exit out of Advanced Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

NOTICE

If Geofence is active, "MAX GEOFENCE SPEED" will scroll continuously on the display screen when the vehicle reaches the predefined speed limit. Press the up or down buttons to return to the display home screen. If the vehicle remains at the predefine maximum speed, the message will repeat after 10 seconds.

FEATURES AND CONTROLS

GEOFENCING (IF EQUIPPED)

Before you can use the geofencing features, you must first download the Polaris Ride Command app from the APPLE APP STORE® or Google Play® and create an account. Enabling and disabling a geofence, as well as changing the minimum and maximum speeds, can be done using the vehicle display after a geofence boundary has been created through the Ride Command app.



WARNING

GPS accuracy can vary by region, so make certain to give adequate distance for geofence boundaries to accommodate this variation. A geofence will not stop the vehicle. It will only slow to the entered speed limit.

To access the geofencing features, do the following:

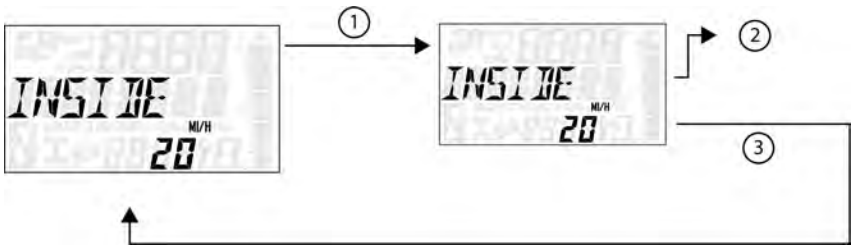
1. Press and hold the MODE button to enter the Options Menu.

NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "ADVANCED MENU" by pressing the MODE button.
3. Enter PIN.
4. Select "GEOFENCE" from the Advanced Menu by pressing the MODE button.
5. Toggle the Up/Down buttons to cycle through options (On/Off).
6. With the desired option displayed, press the MODE button which will set function and return to the Advanced Menu.
7. To exit the Advanced Menu, select Exit Menu. You can also hold the Mode Button, or not press any button for 10 seconds, to exit the Advanced Menu.

INSIDE GEOFENCE SPEED



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

“OPTIONS” will display on the screen for 3 seconds before showing first menu item.

2. Select “ADVANCED MENU” by pressing the MODE button.
3. Enter PIN.
4. Select “INSIDE GEOFENCE SPEED” from the Advanced Menu by pressing the MODE button.

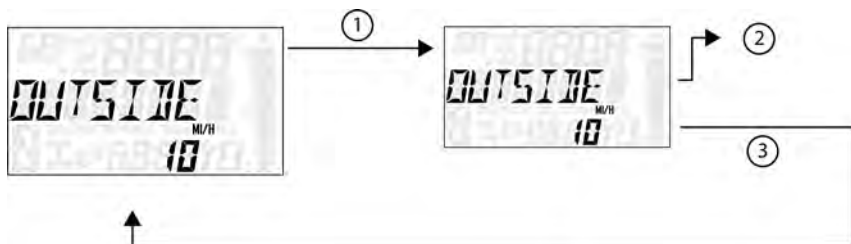
Reference the image shown above:

- ① Press the MODE button.
 - ② Toggle the Up/Down buttons to increase/decrease Inside Geofence Maximum Speed.
 - ③ With the desired speed displayed, press the MODE button which will set the Inside Geofence Speed and return to the Advanced Menu.
5. To exit the Advanced Menu the user can select Exit Menu function from Advanced Menu, can hold MODE button and exit out of Advanced Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

NOTICE

If Geofence is active, the display will scroll “IN GEOFENCE” when the vehicle enters the predefined Geofence area.

OUTSIDE GEOFENCE SPEED



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "ADVANCED MENU" by pressing the MODE button.
3. Enter PIN.
4. Select "OUTSIDE GEOFENCE SPEED" from the Advanced Menu by pressing the MODE button.

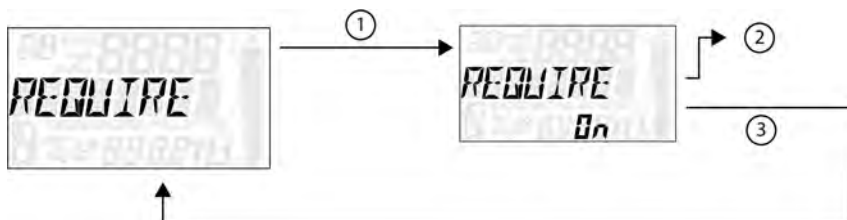
Reference the image shown above:

- ① Press the MODE button.
 - ② Toggle the Up/Down Buttons to increase/decrease Outside Geofence Maximum Speed.
 - ③ With the desired speed displayed, press the mode button which will set the Outside Geofence Speed and return to the Advanced Menu.
5. To exit the Advanced Menu the user can select Exit Menu function from the Advanced Menu, can hold Mode button and exit out of Advanced Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

NOTICE

If Geofence is active, the display will scroll "OUT GEOFENCE" when the vehicle exits the predefined Geofence area.

REQUIRE PIN TO START (IF EQUIPPED)



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

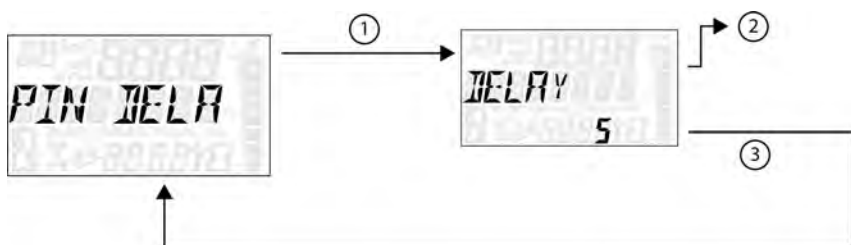
"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "ADVANCED MENU" by pressing the MODE button.
3. Enter PIN.
4. Select "REQUIRE PIN TO START" from the Advanced Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
- ② Toggle the Up/Down buttons to enable/disable requiring PIN to start vehicle.
- ③ With the desired option displayed, press the MODE button which will set the function and return to the Advanced Menu.
5. To exit the Advanced Menu the user can select Exit Menu function from Advanced Menu, can hold MODE button and exit out of Advanced Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

START PIN DELAY



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

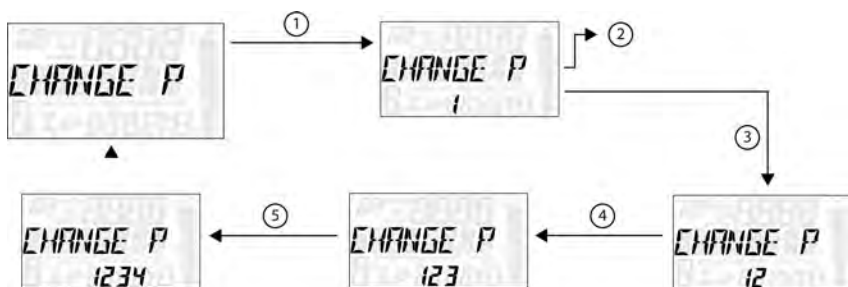
"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "ADVANCED MENU" by pressing the MODE button.
3. Enter PIN.
4. Select "PIN DELAY" from the Advanced Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
 - ② Toggle the Up/Down buttons to enable/disable PIN Delay.
 - ③ With the desired option displayed, press the MODE button which will set the function and return to the Advanced Menu.
5. To exit the Advanced Menu the user can select Exit Menu function from Advanced Menu, can hold Mode Button and exit out of Advanced Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

CHANGE PIN



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

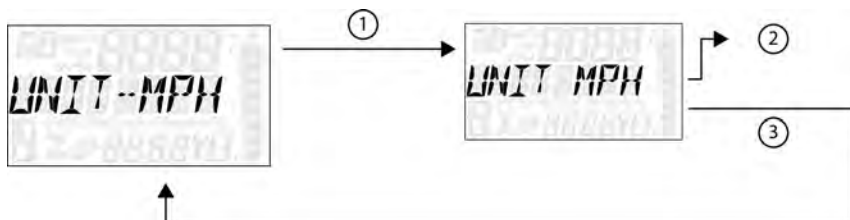
2. Select "ADVANCED MENU" by pressing the MODE button.
3. Enter PIN.
4. Select "CHANGE PIN" from the Advanced Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
- ② Toggle the Up/Down buttons to increase/decrease the first digit of the new PIN.
- ③ With the desired first digit of the new PIN displayed, Press the MODE button which will set the digit and move to the 2nd digit.
- ④ Toggle the Up/Down Buttons to increase/decrease the 2nd digit of the new PIN. Press MODE button to set 2nd digit and move on to the 3rd digit.
- ⑤ Toggle the Up/Down Buttons to increase/decrease the 3rd digit of the new PIN. Press MODE button to set 3rd digit and move on to the 4th digit.
5. Press the MODE button to set the 4th digit and exit.
6. To exit the Advanced Menu the user can select Exit Menu function from Advanced Menu, can hold Mode button and exit out of Advanced Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

FEATURES AND CONTROLS

UNIT SELECTION DISTANCE



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

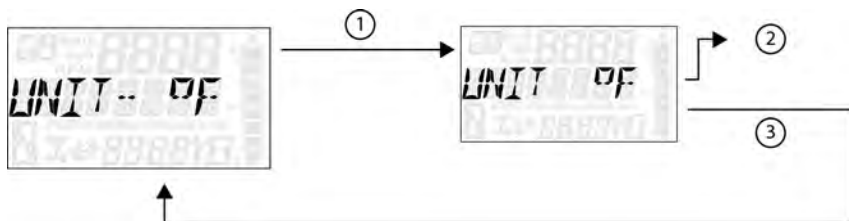
"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "Units-Distance" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
 - ② Toggle the Up/Down Buttons to change the units (MPH or KPH)
 - ③ With the correct unit displayed, Press the mode button which will set the unit and return to the Options Menu.
3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

UNIT SELECTION TEMPERATURE



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

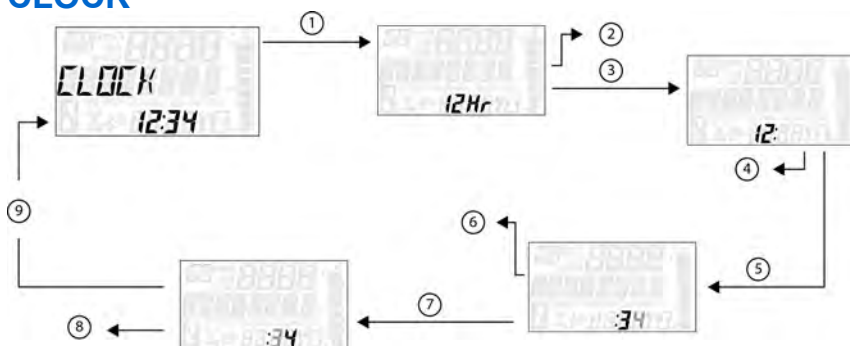
2. Select "Units - Temp" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
 - ② Toggle the Up/Down Buttons to change the units (°F or °C)
 - ③ With the correct unit displayed, Press the mode button which will set the unit and return to the Options Menu.
3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

FEATURES AND CONTROLS

CLOCK



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

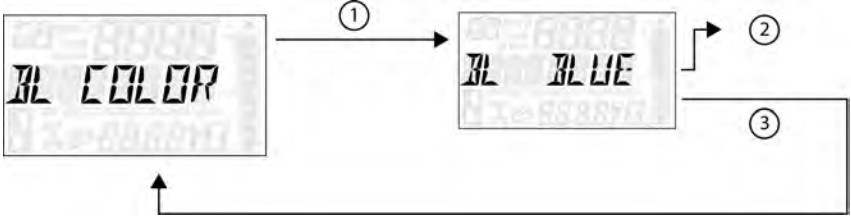
"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "Clock" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
 - ② Toggle the Up/Down Buttons to change the units (12H or 24H)
 - ③ With the correct unit displayed, Press the mode button which will set the unit.
 - ④ Toggle the Up/Down Buttons to change the units (Cycles Hours)
 - ⑤ With the correct unit displayed, Press the mode button which will set the unit.
 - ⑥ Toggle the Up/Down Buttons to change the units (Cycles 10s of Minutes)
 - ⑦ With the correct unit displayed, Press the mode button which will set the unit.
 - ⑧ Toggle the Up/Down Buttons to change the units (Cycles 1s of Minutes)
 - ⑨ With the correct unit displayed. Press the mode button which will set the unit and return to the Options menu.
3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

BACK LIGHT COLOR



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

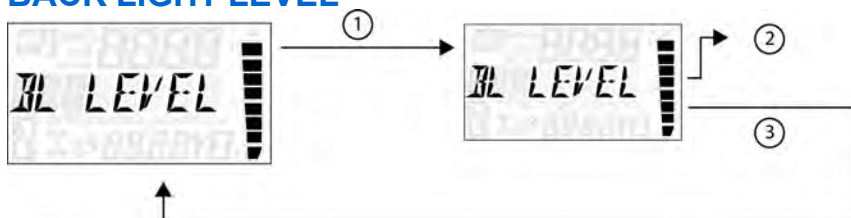
"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "Backlight Color" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
 - ② Toggle the Up/Down Buttons to change the units (Blue or Red)
 - ③ With the correct unit displayed, Press the mode button which will set the unit and return to the Options Menu.
3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

BACK LIGHT LEVEL



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

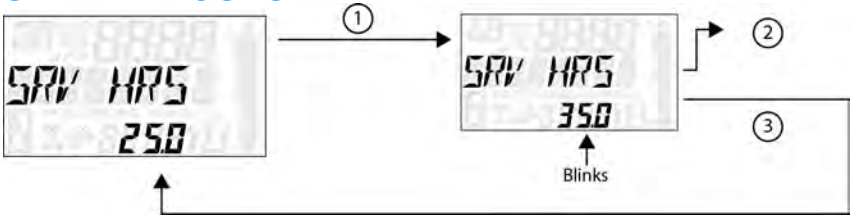
"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "Backlight Level" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
 - ② Toggle the Up/Down Buttons to change the units (Increase or Decrease Level)
 - ③ With the correct unit displayed, Press the mode button which will set the unit and return to the Options Menu.
3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

SERVICE HOURS



1. Press and hold the MODE button to enter the Options Menu.

NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "Service Hours" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
- ② Toggle the Up/Down Buttons to change the units (0, 5, 10 - 95, 100)
- ③ With the correct unit displayed, press the MODE button, which will set the unit and return you to the Options Menu.

NOTICE

To reset service hours after they have counted down to "0.0", reselect the existing setpoint or select a new service hour value.

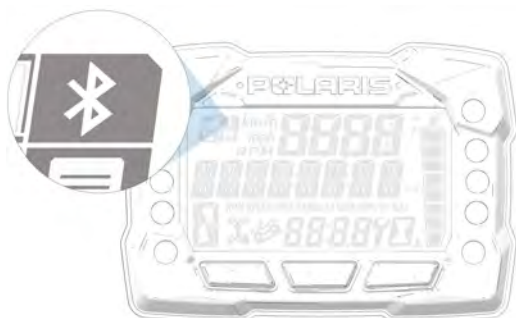
3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

FEATURES AND CONTROLS

BLUETOOTH® (IF EQUIPPED)

The Bluetooth® functionality allows users to pair their phones with the vehicle's digital gauge. This function allows users to receive call and text alerts while operating the vehicle.

If a text message is received while the vehicle is moving faster than 2 KPH, only the sender's name is shown onscreen.



If you are browsing any of the Bluetooth® menus and the vehicle starts to move faster than 2 KPH, the menu will automatically display *VEHICLE MOVING*. If you attempt to access Bluetooth® menus while the vehicle is moving faster than 2 KPH, the screen will display *VEHICLE MOVING* momentarily, and then it will redirect to the options menu.

PAIRING YOUR PHONE TO THE GAUGE

Use the following procedure to pair your phone with the vehicle's digital gauge.

NOTICE

Bluetooth® functionality is compatible with both iOS® and Android® phones. For iOS® phones, you must go to the Settings option and enable notifications. Most Android® phones will prompt the user automatically to enable notifications as part of the pairing process.

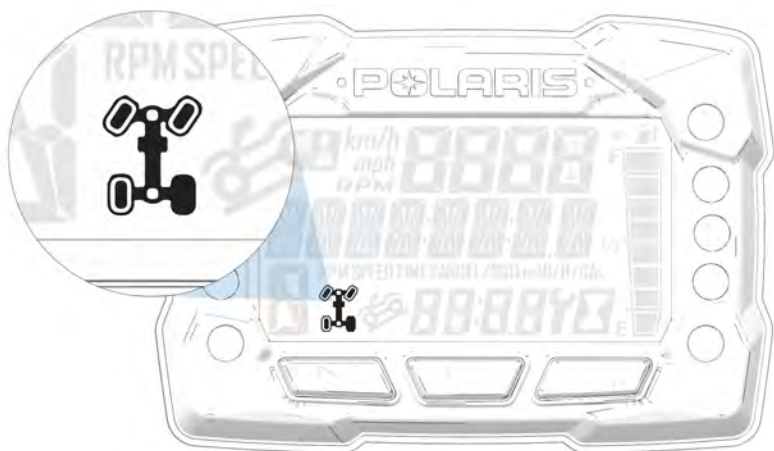
1. Make sure Bluetooth® is enabled on your phone.
2. Access the options menu on the vehicle's digital gauge and select *BT PAIR*. The Bluetooth® icon will begin to blink.
3. Find and select *Polarís Gauge* on your phone's Bluetooth® menu or prompt. Pairing should occur momentarily. Pairing mode will continue for up to 90 seconds or if you exit the *BT PAIR* menu.

After successfully pairing the phone, the vehicle's digital gauge will automatically reconnect with the phone each time it is powered on and within range. No further action is required by the user at this point.

ALL WHEEL DRIVE SYSTEM

NOTICE

Switching to AWD while the rear wheels are spinning may cause severe drive shaft and gearcase damage. Always switch to AWD while the rear wheels have traction or are at rest.



The All Wheel Drive system is controlled by the Driveline switch. See page 37. Engage AWD before getting into conditions where front wheel drive may be needed. If the rear wheels are spinning, release the throttle before switching to AWD.

AWD MODE

Move the momentary Driveline switch to the far right to engage AWD. AWD will engage when engine speed slows to below 3100 RPM. The gauge will display “AWD”. There is no limit to the length of time the vehicle may remain in AWD. The vehicle automatically engages AWD when operating in reverse if the switch is set to the AWD position.



Once enabled, AWD remains enabled until the switch is turned off. If the switch is turned off while the demand drive unit is moving, it will not disengage until the rear wheels regain traction.

FEATURES AND CONTROLS

When in AWD, the demand drive unit will automatically engage any time the rear wheels lose traction. When the rear wheels regain traction, the demand drive unit will automatically disengage.

2X4 MODE

Move the momentary switch to the far left to operate in two-wheel drive. AWD will disengage when engine speed slows to below 3100 RPM. The gauge will display "2X4".



TURF MODE (IF EQUIPPED)

WARNING

Operating in TURF mode when on sloped, uneven, or loose terrain could cause loss of control and result in serious injury or death. One rear wheel may slip and lose traction or may lift up and grab when it touches the ground again.

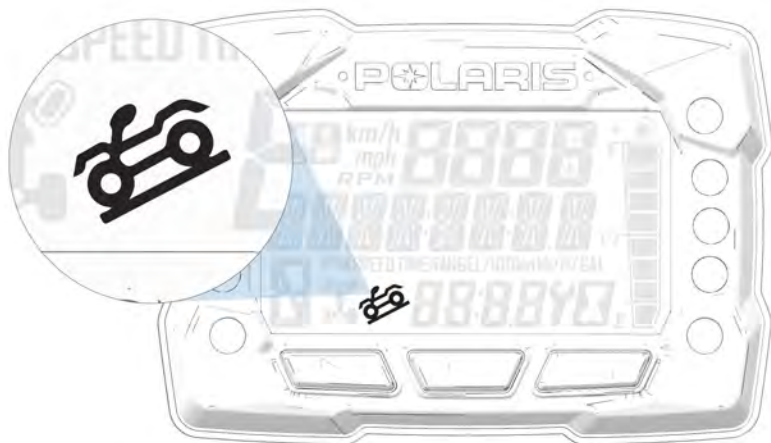
When operating in TURF mode, the inside rear wheel will rotate independently from the outside wheel during turns. Operate in TURF mode only as needed to protect smooth, level surfaces from tire damage. DO NOT operate in TURF mode when climbing or descending hills, when sidehilling, or when operating on uneven, loose, or slippery terrain such as sand, gravel, ice, snow, obstacles, and water crossings. Always operate in ADC 4X4 or 4X4 on these types of terrain.



FOUR-WHEEL DESCENT CONTROL (IF EQUIPPED)

NOTICE

Switching to 4WDC while the rear wheels are spinning may cause severe drive shaft and gearcase damage. Always switch to 4WDC while the rear wheels have traction or are at rest.



The Four-Wheel Decent Control (4WDC) system allows engine braking to all four wheels when the vehicle descends a hill or incline. Always engage 4WDC mode (if equipped) before ascending or descending a hill.

ENGAGING FOUR-WHEEL DESCENT CONTROL

The 4WDC system will automatically engage when *all* of the following conditions occur:

- 4WDC is engaged
- The throttle must be closed (throttle lever released)
- The transmission must be in gear (high, low or reverse)

DISENGAGING FOUR-WHEEL DESCENT CONTROL

The 4WDC system will automatically disengage if *at least one* of the following conditions occur:

- The 4X4 switch is moved out of the 4WDC position
- The throttle is open (throttle is applied)
- The transmission is shifted to neutral or park
- The vehicle is on flat ground, or not actively descending a hill

FEATURES AND CONTROLS

AUXILIARY OUTLET

A 12-volt accessory outlet is located on the pod. Use the outlet to power an auxiliary light or other optional accessories or lights.



FUEL CAP

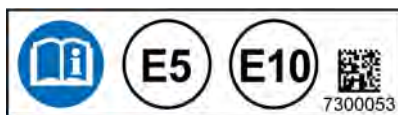
This vehicle is equipped with a digital fuel gauge that will indicate a low fuel condition. Refuel when the gauge indicates a low fuel condition.

Always refuel with the engine stopped, and outdoors or in a well ventilated area. Refuel on a level surface.

Remove the fuel tank cap to add fuel to the fuel tank. Use unleaded gasoline with a minimum pump octane number of 87 = (R + M/2) octane. Do not use fuel with ethanol content greater than 10 percent, such as E-85 fuel.



Compatible fuel types: E5, E10

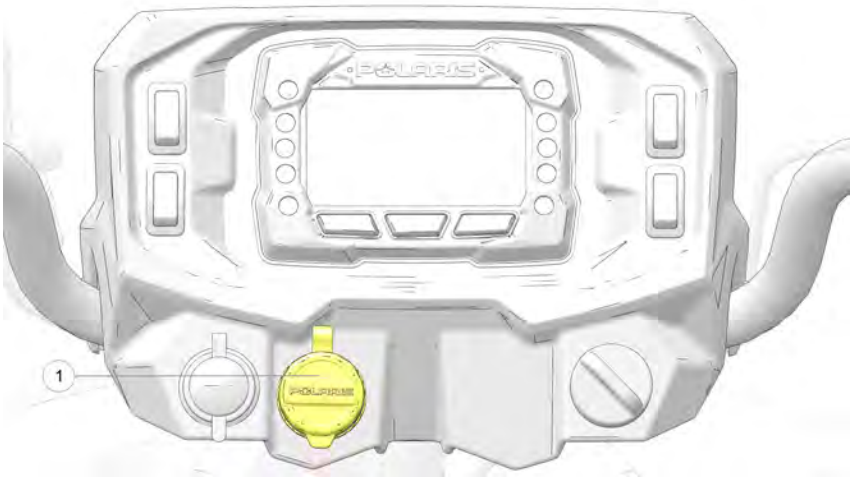


ELECTRONIC POWER STEERING (EPS)

Electronic power steering (EPS), if equipped, engages when the ignition key is turned to the ON position. EPS remains engaged whether the vehicle is moving or idle. See the Instrument Cluster section for EPS Warning Indicator information.

BATTERY CHARGE PORT

Your vehicle is equipped with a battery charge port ①. The battery charge port allows you to quickly and easily connect a battery charger to your vehicle's battery. For more information see page 153.



FEATURES AND CONTROLS

HITCHES

See the Specifications section for hitch weight capacities.

WARNING

Do not operate a combination Tractor-machine or Tractor-trailer unless all instructions have been followed. See the Hauling Cargo section for details.

WARNING

Whenever the Tractor is towing, always stay clear of the area between the Tractor and the towed object.

REAR HITCH

Use the rear hitch for towing a trailer. See the Hauling Cargo section for procedures.

The values below are specific to the factory-installed rear hitch. For the maximum vertical load and maximum towable mass on the hitch at the vehicle level, see the Specifications chapter.

REAR HITCH SPECIFICATIONS PER COMPONENT CERTIFICATE

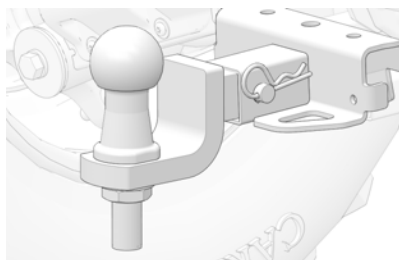
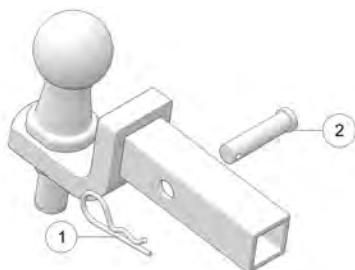
Maximum Vertical Load	85 kg applied on coupling point
Maximum Towable Mass	2000 kg
Approval #	E20 55R-01 4430
Maximum Dynamic Force (D)	10,2 kN

REAR HITCH CERTIFICATION LABEL

The hitch certification label is located near the hitch on models equipped with a factory-installed rear hitch.



HITCH REMOVAL / INSTALLATION



1. To remove the hitch, remove the cotter pin ① and hitch pin ②. Remove the hitch, then reinstall the hitch pin ② and secure the cotter pin ①.
2. To install the hitch, remove the cotter pin ① from the hitch pin and remove the hitch pin ②.
3. Install the hitch to the receiver.
4. Reinstall the hitch pin (from the left side of the hitch) through the bore of both the receiver and the hitch.
5. Reinstall the cotter pin. Make sure the hitch assembly is secure at that the cotter pin is properly engaged over the hitch pin.

NOTICE

After 1000 km of use, tighten the bolt holding the trailer ball to the hitch to 445 N·m.

OPERATION

SAFE OPERATION PRACTICES

 WARNING

Failure to operate the vehicle properly can result in a collision, loss of control, accident or rollover, which may result in serious injury or death. Read and understand all safety warnings outlined in the safety section of this owner's manual.

1. Complete the recommended safety training before operating this vehicle. Visit www.atvsafety.org for safety courses and riding tips. See page 15 for details.
2. Do not allow anyone under 16 years of age to operate this vehicle. Do not allow anyone with cognitive or physical disabilities to operate this vehicle.
3. Never carry a passenger on a 1-up ATV. Never carry more than one passenger on a 2-up ATV.
4. Engine exhaust fumes are poisonous. Never start the engine or let it run in an enclosed area.
5. Before operating, learn how to use the auxiliary brake for emergency situations (if service brakes become inoperable).
6. Use caution and drive at reduced speeds in conditions of reduced visibility such as fog, rain and darkness. Clean headlights frequently and replace burned out headlamps promptly.
7. Drive in a manner appropriate for your skills, your passenger's skills and operating conditions. Never operate at excessive speeds. Never attempt wheelies, jumps, or other stunts. Never remove your hands from the handlebars while operating, and always keep both feet on the footrests.
8. Never consume alcohol or drugs before or while operating an ATV.
9. Always use the size and type of tires specified for your vehicle. Always maintain proper tire pressure.
10. Never operate a damaged ATV. After any overturn or accident, have a qualified service dealer inspect the entire machine for possible damage.
11. Never operate the ATV on a frozen body of water unless you have independently verified that the ice is sufficiently thick to support the weight and moving force of the ATV, you and your cargo, together with any other vehicles in your party.

OPERATION

12. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system.
13. Always remove the ignition key when the vehicle is not in use to prevent unauthorized use.

TRAIL ETIQUETTE

Always practice good etiquette when riding. Allow a safe distance between your vehicle and other vehicles operating in the same area. Communicate to oncoming operators by signaling the number of vehicles in your group. When stopping, move your vehicle to the edge of the trail as far as possible to allow others to pass safely.

KNOW YOUR RIDING AREA/TREAD LIGHTLYSM

Familiarize yourself with all laws and regulations concerning the operation of this vehicle in your area. Respect the environment in which you ride your vehicle. Find out where the designated riding areas are by contacting your POLARIS dealer, a local riding club, or local officials.

Help keep our trails open for recreational vehicle use. As an off-road enthusiast, you represent the sport and can set a good example (or a poor example) for others to follow. Tread LightlySM. Operate with respect for the terrain, avoid littering, and always stay on the designated trails.

VEHICLE BREAK-IN PERIOD

The break-in period for your new POLARIS vehicle is the first 25 hours of operation, or the time it takes to use the first two tanks full of gasoline. No single action on your part is as important as a proper break-in period. Careful treatment of a new engine and drive components will result in more efficient performance and longer life for these components. Perform the following procedures carefully.

NOTICE

Excessive heat build-up during the first three hours of operation will damage close-fitted engine parts and drive components. Do not operate at full throttle or high speeds during the first three hours of use.

Use of any improper oils may cause serious engine damage. POLARIS PS-4 Full Synthetic 5W-50 4-Cycle Oil is specifically formulated for your 4-cycle engine.

ENGINE AND DRIVETRAIN BREAK-IN

1. Fill the fuel tank with gasoline. See the Fuel Tank section for details. Always exercise extreme caution whenever handling gasoline.
2. Check the oil level. See the Oil Check section for reference. Add the recommended oil as needed to maintain the oil level in the safe operating range.
3. Drive slowly at first. Select an open area that allows room to familiarize yourself with vehicle operation and handling.
4. Avoid aggressive use of the brakes.
5. Vary throttle positions. Do not operate at sustained idle.
6. Pull only light loads.
7. Perform regular checks on fluid levels, controls and areas outlined on the daily pre-ride inspection checklist.
8. During the break-in period, change both the oil and the filter at 25 hours or 250 miles.
9. Check fluid levels of transmission and all gearcases after the first 25 hours of operation and every 100 hours thereafter.

BRAKE SYSTEM BREAK-IN

Apply only moderate braking force for the first 50 stops. Aggressive or overly forceful braking when the brake system is new could damage brake pads and rotors.

PVT BREAK-IN (CLUTCHES/BELT)

Always break in the clutches and drive belt of new vehicles, as well as after a belt replacement.

A proper break-in of the clutches and drive belt will ensure a longer life and better performance. Break in the clutches and belt by operating at slower speeds during the break-in period as recommended. Pull only light loads. Avoid aggressive acceleration and high speed operation during the break-in period.

If a belt fails, always clean any debris from the PVT intake and outlet duct and from the clutch and engine compartments when replacing the belt.

PRE-RIDE CHECKLIST

Failure to inspect and verify that the ATV is in safe operating condition before operating increases the risk of an accident. Always inspect the ATV before each use to make sure it's in safe operating condition.

ITEM	REMARKS	PAGE
Brake system/lever travel	Ensure proper operation	page 38 page 132
Brake fluid	Ensure proper level	page 41
Auxiliary brake	Ensure proper operation	page 40
Front suspension	Inspect, lubricate if necessary	-
Rear suspension	Inspect, lubricate if necessary	-
Steering	Ensure free operation	-
Tires	Inspect condition and pressure	page 133
Wheels/fasteners	Inspect, ensure fastener tightness	-
Frame nuts, bolts, fasteners	Inspect, ensure tightness	-
Fuel and oil	Ensure proper levels	page 125
Coolant level	Ensure proper level	page 130
Coolant hoses	Inspect for leaks	-
Throttle	Ensure proper operation	page 37
Indicator lights/switches	Ensure operation	page 44
Engine stop switch	Ensure proper operation	page 35
Air filter	Inspect, clean or replace	page 162

ITEM	REMARKS	PAGE
Headlamp	Check operation	page 36
Brake light/taillight	Check operation	-
Riding gear	Wear approved helmet, goggles, and protective clothing	page 15
Winch (if equipped)	Inspect cable and switch	page 95
Grass and leaves	Remove grass, leaves, foreign matter, and other flammable material or debris, especially near the exhaust system.	-

DRIVING PROCEDURES

NEW OPERATOR DRIVING PROCEDURES

1. Wear protective riding gear. See the Safe Riding Gear section.
2. Perform the pre-ride inspection.
3. Place the transmission in PARK.
4. Lock the brake holding latch.
5. Mount the vehicle from the left side.
6. Sit upright with both feet on the footrests and both hands on the handlebars.
7. Start the engine and allow it to warm up.



OPERATION

8. Shift the transmission into gear.
9. Check your surroundings and determine your path of travel.
10. Release the brake holding latch.
11. Slowly depress the throttle with your right thumb and begin driving.
12. Drive slowly. Practice maneuvering and using the throttle and brakes on level surfaces.

TURNING THE VEHICLE

Both rear wheels drive equally at all times. This means that the outside wheel must travel a greater distance than the inside wheel when turning, and the inside tire must slip traction slightly.

1. Slow down.
2. Never turn quickly when carrying cargo.
3. Steer in the direction of the turn.
4. Keep both feet on the footrests.
5. Lean your upper body to the inside of the turn while supporting your weight on the outer footrest. This technique alters the balance of traction between the rear wheels, allowing the turn to be made smoothly. The same leaning technique should be used for turning in reverse.
6. Practice making turns at slow speeds before attempting to turn at faster speeds.



WARNING

Turning improperly can result in vehicle overturn. Never turn abruptly or at sharp angles. Never turn at high speeds.

DRIVING ON SLIPPERY SURFACES

WARNING

Skidding or sliding can cause loss of control or rollover (if tires regain traction unexpectedly). When operating on slippery surfaces such as ice or loose gravel, reduce speed and use extra caution to reduce the chance of skidding or sliding out of control. Do not operate on excessively slippery surfaces.



Whenever riding on slippery surfaces such as wet trails or loose gravel, or during freezing weather, follow these precautions:

1. Do not operate on excessively rough, slippery or loose terrain.
2. Slow down when entering slippery areas.
3. Engage 4X4 before wheels begin to lose traction.

NOTICE

Severe damage to drive train may occur if the 4X4 is engaged while the wheels are spinning. Allow the rear wheels to stop spinning before engaging 4X4, or engage 4X4 before wheels begin to lose traction.

4. Maintain a high level of alertness, reading the trail and avoiding quick, sharp turns, which can cause skids.
5. Never apply the brakes during a skid. Correct a skid by turning the handlebars in the direction of the skid and shifting your body weight forward.

OPERATION

DRIVING UPHILL

Braking and handling are greatly affected when operating in hilly terrain. Improper procedure could cause loss of control or overturn. Whenever traveling uphill, follow these precautions:

1. Always engage 4WDC before ascending or descending a hill.
2. Drive straight uphill.
3. Avoid steep hills. **Maximum incline is: 15°**
4. Always check the terrain carefully before ascending any hill.
5. Never climb hills with excessively slippery or loose surfaces.
6. Keep both feet on the footrests.
7. Shift body weight uphill.
8. Proceed at a steady rate of speed and throttle opening. Opening the throttle suddenly could cause the ATV to flip over backwards.
9. Never go over the top of any hill at high speed. An obstacle, a sharp drop, or another vehicle or person could be on the other side of the hill.
10. Remain alert and be prepared to take emergency action. This may include quick dismounting of the vehicle.

DRIVING DOWNHILL



When driving downhill, follow these precautions:

1. Always check the terrain carefully before descending a hill.
2. Always engage 4WD or 4WDC mode (if equipped) before ascending or descending a hill.
3. Avoid steep hills. **Maximum incline is 15°**
4. Always descend a hill with the transmission in forward gear. Do not descend a hill with the transmission in neutral.
5. Slow down. Never travel down a hill at high speed.
6. Drive straight downhill. Avoid traveling down a hill at an angle, which would cause the vehicle to lean sharply to one side.
7. Shift body weight uphill.
8. Apply the brakes *slightly* to aid in slowing. Applying the brakes too firmly may cause the rear wheels to lock, which could result in loss of control.

DRIVING ON A SIDEHILL (SIDEHILLING)



Driving on a sidehill is not recommended. Improper procedure could cause loss of control or overturn. Avoid crossing the side of any hill unless absolutely necessary.

If crossing a sidehill is *unavoidable*, follow these precautions:

1. Slow down.
2. Avoid crossing the side of a steep hill.
3. Lean into the hill, transferring your upper body weight toward the hill while keeping your feet on the footrests.
4. If the vehicle begins to tip, quickly turn the front wheel downhill, if possible, or dismount on the uphill side *immediately*!

TURNING AROUND ON A HILL (K-TURN)

If the vehicle stalls while climbing a hill, never back it down the hill! Use the K-turn to turn around.

1. Stop and lock the parking brake while keeping body weight uphill.
2. Always move the 4X4 switch to ADC 4X4 before ascending or descending a hill. See the Switch Location section for details.
3. Leave the transmission in forward and shut off the engine.
4. Dismount on the uphill side of the vehicle, or on the left if the vehicle is pointing straight uphill.
5. Staying uphill of the vehicle, turn the handlebars full left.
6. While holding the brake lever, release the parking brake lock and slowly allow the vehicle to roll around to your right until it's pointing across the hill or slightly downward.
7. Lock the parking brake. Remount the vehicle from the uphill side, keeping body weight uphill. Start the engine with the transmission still in forward.
8. Release the parking brake and proceed *slowly*, controlling speed with the brake lever, until the vehicle is on more level ground.

OPERATION

DRIVING THROUGH WATER

NOTICE

Major engine damage can result if the vehicle is not thoroughly inspected after operation in water. Perform the services outlined in the Periodic Maintenance Chart. The following areas need special attention: engine oil, transmission oil, demand drive fluid and all grease fittings.

If the vehicle tips or overturns in water, or if the engine stops during or after operating in water, service is required before starting the engine. Your POLARIS dealer can provide this service. If it's impossible to bring the vehicle in before starting the engine, perform the service outlined in the Vehicle Immersion section of this manual, and take the vehicle in for service at the first opportunity.

Your ATV can operate through water with a maximum recommended depth equal to the bottom of the footrests.

Follow these procedures when operating through water:

1. Determine water depths and current before entering water.
2. Choose a crossing where both banks have gradual inclines.
3. Avoid operating through deep or fast-flowing water.



4. After leaving water, test the brakes. Apply them lightly several times while driving slowly. The friction will help dry out the pads.

If it's unavoidable to enter water deeper than the footrest level:

- Proceed slowly. Avoid rocks and obstacles.
- Balance your weight carefully. Avoid sudden movements.
- Maintain a steady rate of speed. Do not make sudden turns or stops. Do not make sudden throttle changes.

DRIVING OVER OBSTACLES



Follow these precautions when operating over obstacles:

1. Always check for obstacles before operating in a new area.
2. Look ahead and learn to read the terrain. Be constantly alert for hazards such as logs, rocks and low hanging branches.
3. Travel slowly and use extra caution when operating on unfamiliar terrain. Not all obstacles are immediately visible.
4. Never attempt to operate over large obstacles, such as rocks or fallen trees.
5. Always have a passenger dismount before operating over an obstacle that could cause a fall from the vehicle or vehicle tipover.

DRIVING IN REVERSE



Follow these precautions when operating in reverse:

1. Always check for obstacles or people behind the vehicle.
2. Always avoid backing downhill.
3. Back slowly.
4. Apply the brakes *lightly* for stopping.
5. Avoid turning at sharp angles.
6. Never open the throttle suddenly.
7. Do not use the override switch unless additional wheel speed is required for vehicle movement. Use the override with caution as rearward vehicle speed is greatly increased. Do not operate at wide open throttle. Operate the throttle just enough to maintain a desired speed.

NOTICE

Excessive throttle operation while in the speed limit mode may cause fuel to build in the exhaust, resulting in engine popping and/or engine damage.

STARTING THE ENGINE

NOTICE

If the PIN security code feature on your vehicle is set to ON, the engine will not start unless the correct PIN number is entered.

1. Position the vehicle on a level surface outdoors or in a well-ventilated area.
2. Place the transmission in PARK.
3. Lock the brake holding latch.
4. Sit on the vehicle and move the engine stop switch to RUN.

NOTICE

Do not press the throttle while starting the engine.

5. Turn the ignition key past the ON position to engage the starter. Activate the starter for a maximum of five seconds, releasing the key when the engine starts.
6. If the engine does not start, return the key to the OFF position and wait five seconds before attempting to start again. Activate the starter for another five seconds if necessary. Repeat this procedure until the engine starts.

NOTICE

Operating the vehicle immediately after starting could cause engine damage. Allow the engine to warm up for several minutes before operating the vehicle.

COLD WEATHER OPERATION

If the vehicle is used year-round, check the oil level frequently. A rising oil level could indicate the accumulation of contaminants such as water or excess fuel in the bottom of the crankcase. Water in the bottom of the crankcase can lead to engine damage and must be drained. Water accumulation increases as outside temperature decreases.

PARKING THE VEHICLE

1. Stop the vehicle on a level surface. When parking inside a garage or other structure, be sure that the structure is well ventilated and that the vehicle is not close to any source of flame or sparks, including any appliance with pilot lights.
2. Place the transmission in PARK.
3. Turn the engine off.
4. Engage the parking brake holding latch located on the left hand control.
5. Make sure the transmission is in PARK before exiting the vehicle.
6. Remove the ignition key to prevent unauthorized use.

PARKING ON AN INCLINE

Avoid parking on an incline if possible. If it's unavoidable, follow these precautions:

1. Stop the engine.
2. Place the transmission in PARK.
3. Engage the parking braking holding latch on left hand control.
4. Always block the rear wheels on the downhill side.

HAULING CARGO

WARNING

Overloading the vehicle or carrying or towing cargo improperly can alter vehicle handling and may cause loss of control or brake instability, which can result in serious injury or death. Always follow these precautions when hauling cargo:

REDUCE SPEED AND ALLOW GREATER DISTANCES FOR BRAKING WHEN HAULING CARGO.

NEVER EXCEED THE MAXIMUM WEIGHT CAPACITY of the vehicle. When determining the weight you are adding to the vehicle, include the weight of the operator, accessories, loads in the rack or box and the load on the trailer tongue. The combined weight of these items must not exceed the maximum weight capacity.

CARGO WEIGHT DISTRIBUTION should be 1/3 on the front rack and 2/3 on the rear rack. When operating over rough or hilly terrain, reduce speed and cargo to maintain stable driving conditions. Carrying loads on only one rack increases the possibility of vehicle overturn.

CARRY LOADS AS LOW ON THE RACKS AS POSSIBLE. Carrying loads high on the racks raises the center of gravity of the vehicle and creates a less stable operating condition.

SECURE ALL LOADS BEFORE OPERATING. Unsecured loads can create unstable operating conditions, which could result in loss of control of the vehicle.

OPERATE ONLY WITH STABLE AND SAFELY ARRANGED LOADS. When handling off-centered loads that cannot be centered, securely fasten the load and operate with extra caution. Always attach the tow load to the hitch point designated for your vehicle.

HEAVY LOADS CAN CAUSE BRAKING AND CONTROL PROBLEMS. Use extreme caution when applying brakes with a loaded vehicle. Avoid terrain or situations that may require backing downhill.

USE EXTREME CAUTION when operating with loads that extend over the rack sides. Stability and maneuverability may be adversely affected, causing the vehicle to overturn.

DO NOT BLOCK THE FRONT HEADLIGHT BEAM when carrying loads on the front rack.

DO NOT TRAVEL FASTER THAN THE RECOMMENDED SPEEDS.

The vehicle should never exceed 10 mph (16 kph) while towing a load on a level surface. Vehicle speed should never exceed 5 mph (8 kph) when towing loads in rough terrain, while cornering, or while ascending or descending a hill.

OPERATION

HAULING CARGO GUIDELINES

1. Never exceed the weight capacities specified for your ATV on warning labels and in the specifications section of this manual
2. Cargo weight should be evenly distributed (1/3 on the front rack and 2/3 on the rear rack) and mounted as low as possible.
3. When operating over rough or hilly terrain, reduce speed and cargo weight to maintain stable driving conditions.
4. NEVER exceed 62 MPH (100 km/h) when rear cargo loads are above 125 lbs (57 kg) and/or front cargo loads are above 50 lbs. (23kg). NEVER exceed 50 MPH (80 km/h) when rear cargo loads are above 250 lbs (114 kg) and/or front cargo loads are above 100 lbs. (46 kg).
5. Do not obstruct the headlight beam with cargo.
6. Slow down.
7. Use low forward gear when hauling or towing heavy cargo to extend belt life.
8. Always operate the vehicle with extreme caution whenever hauling or towing loads. Balance, handling and control may be affected.

TOWING LOADS

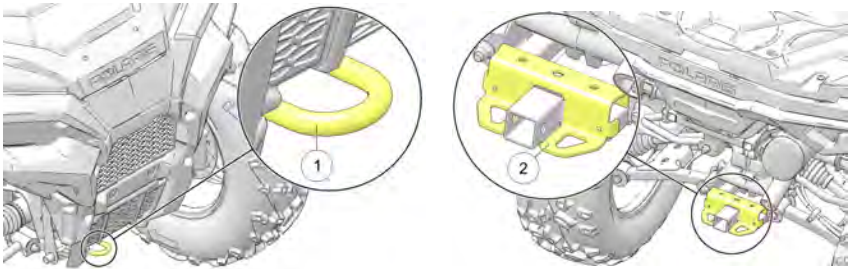
Always attach a towed load to the hitch point. Remove the hitch from the ATV when not towing a trailer. If towing a load, reduce rear rack cargo weight by the amount of tongue weight.

- The combination of rear rack cargo weight and tongue weight must not exceed the rear rack capacity.
- The total load (operator, accessories, cargo and weight on hitch) must not exceed the maximum weight capacity of the vehicle.

NOTICE

Using an improper hitch or exceeding the maximum tongue weight capacity can result in serious damage to the vehicle and will void your ATV warranty. Never install a hitch longer than 13 cm (5.1 in.). Never install automotive accessories on your POLARIS ATV. Always install POLARIS-approved (or equivalent) accessories designed for ATV use.

TRAILERING YOUR VEHICLE



Follow these procedures when transporting the vehicle.

1. Stop the engine.
2. Place the transmission in PARK.
3. Secure the fuel cap, oil cap, and seat.
4. Remove the key to prevent loss during transporting.
5. Use suitable straps or rope to secure the vehicle to the front tow hook ① and rear tow bracket ②. Do not attach tie straps to the front A-arm bolt pockets, racks, or handlebars.

WINCH GUIDE

WINCH SAFETY

These safety warnings and instructions apply if your vehicle came equipped with a winch or if you choose to add an accessory winch to your vehicle.

 WARNING

Improper winch use can result in **SEVERE INJURY** or **DEATH**. Always follow all winch instructions and warnings in this manual.

Your winch may have a cable made of either wire rope or specially designed synthetic rope. The term “winch cable” will be used for either unless noted otherwise.

WINCH SAFETY PRECAUTIONS

1. Read all sections of this manual.
2. Never use alcohol or drugs before or while operating the winch.
3. Never allow children under 16 years of age to operate the winch.
4. Always wear eye protection and heavy gloves when operating the winch.
5. Always keep body, hair, clothing and jewelry clear of the winch cable, fairlead and hook when operating winch.
6. Never attempt to “jerk” a load attached to the winch with a moving vehicle. See the *Shock Loading* section on page 103.
7. Always keep the area around the vehicle, winch, winch cable, and load clear of people (especially children) and distractions while operating the winch.
8. Always turn the vehicle ignition power OFF when it and the winch are not being used.
9. Always be sure that at least five (5) full turns of winch cable are wrapped around the winch drum at all times. The friction provided by this wrapped cable allows the drum to pull on the winch cable and move the load.
10. Always apply your vehicle’s park brake and/or park mechanism to hold the vehicle in place during winching. Use wheel chocks if needed.
11. Always align the vehicle and winch with the load directly in front of the vehicle as much as possible. Avoid winching with the winch cable at an angle to the winching vehicle’s centerline whenever possible.

WINCH GUIDE

12. If winching at an angle is unavoidable, follow these precautions:
 - a. Look at the winch drum occasionally. Never let the winch cable “stack” or accumulate at one end of the winch drum. Too much winch cable at one end of the winch drum can damage the winch and the winch cable.
 - b. If stacking occurs, stop winching. Follow step 15 of Winch Operation to feed and rewind the cable evenly before continuing the winch operation.
13. Never winch up or down at sharp angles. This can destabilize the winching vehicle and possibly cause it to move without warning.
14. Never attempt to winch loads that weigh more than the winch’s rated capacity.
15. The winch motor may become hot during winch use. If you winch for more than 45 seconds, or if the winch stalls during operation, stop winching and permit the winch to cool down for 10 minutes before using it again.
16. Never touch, push, pull or straddle the winch cable while winching a load.
17. Never let the winch cable run through your hands, even if wearing heavy gloves.
18. Never release the clutch on the winch when the winch cable is under load.
19. Never use the winch for lifting or transporting people.
20. Never use the winch to hoist or suspend a vertical load.
21. Always inspect your winch and winch cable before each use.
22. Never winch the hook fully into the winch. This can cause damage to winch components.
23. Unplug the remote control from the vehicle when the winch is not in use to prevent inadvertent activation and use by unauthorized persons.
24. Never grease or oil the winch cable. This will cause the winch cable to collect debris that will shorten the life of the cable.



WINCH OPERATION

Read the Winch Safety Precautions in the preceding pages before using your winch.

TIP

Consider practicing the operation and use of your winch before you actually need to use it in the field.

⚠ WARNING

Improper winch use can result in **SEVERE INJURY** or **DEATH**. Always follow all winch instructions and warnings in this manual.
Each winching situation is unique.

- Take your time to think through the winching you are about to do.
 - Proceed slowly and deliberately.
 - Never hurry or rush during winching.
 - Always pay attention to your surroundings.
 - You may need to change your winching strategy if it is not working.
 - Always remember that your winch is very powerful.
 - There are simply some situations that you and your winch will not be able to deal with. Do not be afraid to ask others to help when this happens.
1. Always inspect the vehicle, winch, winch cable and winch controls for any signs of damage or parts in need of repair or replacement before each use. *Pay particular attention to the first 3 feet (1 meter) of winch cable if the winch is being used (or has been used) for lifting an accessory plow assembly.* Promptly replace any worn or damaged cable.
 2. Never operate a winch or a vehicle in need of repair or service.
 3. Always apply your vehicle's park brake and/ or park mechanism to hold the vehicle in place during winching. Use wheel chocks if needed.
 4. Always use the hook strap when handling the hook.



WINCH GUIDE

WARNING

Never put your fingers into the hook. This could lead to SEVERE INJURY.

- Attach the hook itself onto the load or use a tow strap or chain to secure the load to the winch cable.



TIP

A “tow strap” is NOT intended to stretch. A “recovery strap” is designed to stretch.

WARNING

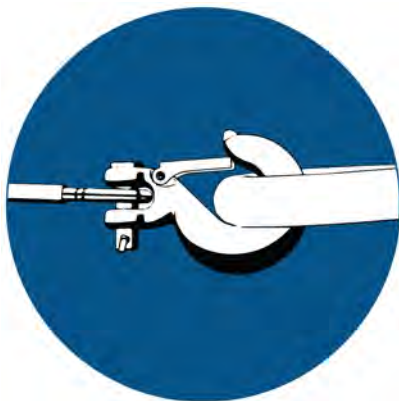
Never use a recovery strap when winching due to the excessive energy that can be released if the winch cable breaks. This can result in SEVERE INJURY or DEATH. See the *Shock Loading* section on page 103.

- Never hook the winch cable back onto itself. This will damage the winch cable and may result in winch cable failure.

WARNING

Replace the winch cable at the first sign of damage to prevent SEVERE INJURY or DEATH in the event of failure. For your safety, always replace POLARIS winch parts (including the cable) with genuine POLARIS replacement parts available at your authorized POLARIS dealer, or other qualified dealer.

- If possible, keep the winch cable aligned with the centerline of the winching vehicle. This will help the spooling of the winch cable and reduce the load on the fairlead.
- If freeing a stuck vehicle by attaching to a tree, use an item such as a tow strap to avoid damaging the tree during winch operation. Sharp cables and chains can damage and even kill trees. Please remember to Tread LightlySM (treadlightly.org).
- Before operating the winch, be sure that the safety latch on the winch cable hook is fully seated when the load is attached.
- Never operate your winch with a damaged hook or latch. Always replace damaged parts before using the winch.



5. Never remove the hook strap from the hook.
6. Release the winch clutch and pull out the winch cable.
7. Pulling out as much cable as possible maximizes the winch's pulling capacity. Always be sure that at least five (5) full turns of winch cable are wrapped around the winch drum at all times. The friction provided by this wrapped cable allows the drum to pull on the winch cable and move the load.
8. Read and adhere to the following information for winch damping to ensure safe winch use.
 - a. In order to absorb energy that could be released by a winch cable failure, always place a "damper" on the winch cable. A damper can be heavy jacket, tarp, or other soft, dense object. A damper can absorb much of the energy released if a winch cable breaks when winching. Even a tree limb can help as a damper if no other items are available to you.
 - b. Lay the damper on top of the mid-point of the winch cable length that is spooled out.

WINCH GUIDE

- c. On a long pull, it may be necessary to stop winching so that the damper can be repositioned to the new mid-point of the winch cable. Always release the tension on the winch cable before repositioning the damper.
 - d. Avoid being directly in line with the winch cable whenever possible. Also, never permit others to stand near or in line with the winch cable during winch operation.
9. Never hook the winch cable back onto itself. This will damage the winch cable and may result in winch cable failure.
10. Never use straps, chains or other rigging items that are damaged or worn.
11. The ONLY time a winch-equipped vehicle should be moving when using the winch is when that vehicle itself is stuck. The winch equipped vehicle should NEVER be in motion to “shock” load the winch cable in an attempt to move a second stuck vehicle. See the Shock Loading section on page 103. For your safety, always follow these guidelines when winching a vehicle free:
- a. Release the winch clutch and spool out the necessary length of winch cable.
 - b. Align the winch cable as close as possible to the winching vehicle's centerline.
 - c. Attach the winch cable hook to the anchor point or the stuck vehicle's frame following instructions in this manual.
 - d. Re-engage the clutch on the winch.
 - e. Slowly winch in the slack in the winch cable.
 - f. Select the proper vehicle gear to propel the stuck vehicle in the direction of winching.
 - g. Shift to the lowest gear available on the stuck vehicle.
 - h. Slowly and carefully apply vehicle throttle and winch together to free the vehicle.
 - i. Stop winching as soon as the stuck vehicle is able to propel itself without the help of the winch.
 - j. Detach the winch cable hook.
 - k. Rewind the winch cable evenly back onto the winch drum following the instructions in this manual.
12. Never attempt to winch another stuck vehicle by attaching the winch cable to a suspension component, brush guard, bumper or cargo rack. Vehicle damage may result. Instead, attach the winch to a strong portion of the vehicle frame or hitch.

13. Extensive winching will run down the battery on the winching vehicle. Let the winching vehicle's engine run while operating the winch to prevent the battery from running low if winching for long periods.
14. The winch motor may become hot during winch use. If you winch for more than 45 seconds, or if the winch stalls during operation, stop winching and permit the winch to cool down for 10 minutes before using it again.
15. After winching is complete, especially if winching at an angle, it may be necessary to re-distribute the winch cable across the winch drum. You will need an assistant to perform this task.
 - a. Release the clutch on the winch.
 - b. Feed out the winch cable that is unevenly bunched up in one area.
 - c. Re-engage the winch clutch.
 - d. Have an assistant pull the winch cable tightly with about 100 lbs. (45 kg) of tension using the hook strap.
 - e. Slowly winch the cable in while your assistant moves the end of the winch cable back and forth horizontally to evenly distribute the winch cable on the drum.
 - f. Doing this reduces the chances of the winch cable "wedging" itself between lower layers of winch cable.

WINCH CABLE CARE

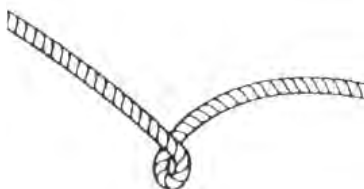
WARNING

Use of worn or damaged cable could lead to sudden failure and SEVERE INJURY.

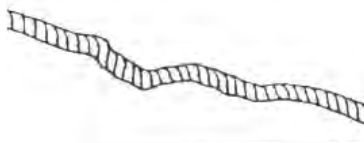
For your safety, always replace POLARIS winch parts (including the cable) with genuine POLARIS replacement parts available at your authorized POLARIS dealer, or other qualified person.

1. Always inspect your winch before each use. Inspect for worn or loose parts including mounting hardware. Never use the winch if any part needs repair or replacement.
2. Always inspect your winch cable before each use. Inspect for worn or kinked winch cable.

A kinked winch cable made of wire rope is shown at right. Even after being “straightened out,” this cable has already been permanently and severely damaged. Promptly discontinue use of a winch cable in this condition.



A kinked winch cable made of wire rope that has been “straightened out” is shown at right. Even though it may look usable, the cable has been permanently and severely damaged. It can no longer transmit the load that it could prior to kinking. Promptly discontinue use of a winch cable in this condition.



A winch cable made of synthetic rope should be inspected for signs of fraying. Replace the cable if fraying is observed (shown below). Promptly discontinue use of a winch cable in this condition. Also replace the winch cable if there are frayed or melted fibers. Such an area of the synthetic rope will be stiff and appear smooth or glazed. Promptly discontinue use of a winch cable in this condition.



SHOCK LOADING

WARNING

Your winch cable is very strong but it is NOT designed for dynamic, or “shock” loading. Shock loading may tension a winch cable beyond its strength and cause the cable to break. The end of a broken winch cable under such high loading can cause SEVERE INJURY or DEATH to you and other bystanders.

Winch cables are designed to NOT absorb energy. This is true of both wire-rope and synthetic-rope winch cables.

1. Never attempt to “jerk” a load with the winch. For example, never take up slack in the winch cable by moving the winching vehicle in an attempt to move an object. This is a dangerous practice. It generates high winch cable loads that may exceed the strength of the cable. Even a slowly moving vehicle can create large shock loads in a winch cable.

WARNING

SEVERE INJURY or DEATH can result from a broken winch cable.

2. Never quickly turn the winch ON and OFF repeatedly (“jogging”). This puts extra load on the winch, winch cable, and generates excessive heat from the motor. This is a form of shock loading.
3. Never tow a vehicle or other object with your winch. Towing an object with a winch produces shock loading of the cable even when towing at slow speeds. Towing from a winch also positions the towing force high on the vehicle. This can cause instability of the vehicle and possibly lead to an accident.
4. Never use recovery straps with your winch. Recovery straps are designed to stretch and can store energy. This stored energy in the recovery strap is released if a winch cable fails making the event even more hazardous. Similarly, never use elastic “bungee” cords for winching.
5. Never use the winch to tie down a vehicle to a trailer or other transportation vehicle. This type of use also causes shock loading that can cause damage to the winch, winch cable, or vehicles used.

Your winch cable is designed and tested to withstand the loads produced by the winch motor when operated from a stationary vehicle. Always remember that the winch and winch cable are NOT designed for shock loading.

WINCH MAINTENANCE AND SERVICE SAFETY

WARNING

Improper or lack of winch maintenance and service could lead to **SEVERE INJURY** or **DEATH**. Always follow all winch instructions and warnings in this manual.

1. Always inspect your winch before each use. Inspect for worn or kinked winch cable. Also inspect for worn or loose parts including mounting hardware.
2. Permit your winch motor to cool down prior to servicing your winch.
3. Never work on your winch without first disconnecting the battery connections to prevent accidental activation of the winch.
4. For your safety, always replace POLARIS winch parts (including the cable) with genuine POLARIS replacement parts available at your authorized POLARIS dealer, or other qualified person.
5. Some winch models use wire rope as the winch cable. Other winches use a specially designed synthetic rope as the winch cable.
6. Never replace a synthetic-rope winch cable with a consumer-grade polymer rope such as can be purchased in a hardware store. Although they may look similar, they are **NOT** alike. A polymer rope not designed for winch use will stretch and store excessive energy when winching.

WARNING

Failure of a stretched rope under winching conditions will release all of the stored energy. This will increase the chances of **SEVERE INJURY** or **DEATH**.

EMISSION CONTROL SYSTEMS

NOISE EMISSION CONTROL SYSTEM

Do not modify the engine, intake or exhaust components, as doing so may affect compliance with governmental noise level requirements.

SPARK ARRESTER

Your POLARIS vehicle has a spark arrester that was designed for on-road and off-road operation. It is required that this spark arrester remain installed and functional when the vehicle is operated.

CRANKCASE EMISSION CONTROL SYSTEM

This engine is equipped with a closed crankcase system. Blow-by gases are forced back to the combustion chamber by the intake system. All exhaust gases exit through the exhaust system.

EXHAUST EMISSION CONTROL SYSTEM

Exhaust emissions are controlled by engine design. An electronic fuel injection (EFI) system controls fuel delivery. The engine and EFI components are set at the factory for optimal performance and are not adjustable.

ELECTROMAGNETIC INTERFERENCE

This vehicle complies with the EMC requirements of European directive 2014/30/EU.

Non-ionizing Radiation: This vehicle emits some electromagnetic energy. People with active or non-active implantable medical devices (such as heart monitoring or controlling devices) should review the limitations of their device and the applicable electromagnetic standards and directives that apply to this vehicle.

CARBON DIOXIDE (CO₂) EMISSION

Carbon dioxide (CO₂) emission: 1055 g/kWh

This CO₂ measurement results from testing over a fixed test cycle under laboratory conditions a(n) (parent) engine representative of the engine type (engine family) and shall not imply or express any guarantee of the performance of a particular engine representative of the engine type (engine family) and shall not imply or express any guarantee of the performance of a particular engine.

EUROPEAN VIBRATION AND NOISE

The driver-perceived noise and hand/arm and whole body vibration levels of this machinery is measured per EN 15997.

		SPORTSMAN 570 (EPS)
Noise	A-Weighted Sound Pressure Level at Rider's Ear	78.5 dB(A) (uncertainty 3dB)
	C-Weighted Sound Pressure Level at Rider's Ear	91 dB(C) (uncertainty 3dB)
	A-Weighted Sound Power Level	n/a
Vibration	Weighted Hand-Arm Vibration Level	3.3 m/s ²
	Weighted Seat Vibration Level	0.6 m/s ²

MAINTENANCE

PERIODIC MAINTENANCE

Any qualified repair shop or person may maintain, replace or repair the emission control devices or systems on your vehicle. An authorized POLARIS dealer can perform any service that may be necessary for your vehicle. POLARIS also recommends POLARIS parts for emissions-related service, however equivalent parts can be used.

It is a potential violation of the EU law if a part supplied by an aftermarket parts manufacturer reduces the effectiveness of the vehicle's emission controls. Tampering with emission controls is prohibited by law.

Owners are responsible for performing the scheduled maintenance identified in this owner's manual. Careful periodic maintenance will help keep your vehicle in safe, reliable condition. Inspect, clean, lubricate, adjust and replace parts as necessary. When inspection reveals the need for replacement parts, genuine POLARIS parts are available from your POLARIS dealer. Equivalent parts may be used for emissions-related service.

Record maintenance and service in the Maintenance Log beginning on page 201. Service and adjustments are important for proper vehicle operation. If you're not familiar with safe service and adjustment procedures, a qualified dealer can perform these operations. Maintenance intervals in the following chart are based upon average riding conditions and an average vehicle speed of approximately 10 miles per hour. Vehicles subjected to severe use must be inspected and serviced more frequently.

SEVERE USE DEFINITION

Severe use is defined as:

- Frequent immersion in mud, water, or sand
- Frequent or prolonged operation in dusty environments
- Short trip cold weather operation
- Racing or racing-style high RPM use
- Prolonged low speed, heavy load operation
- Extended idle

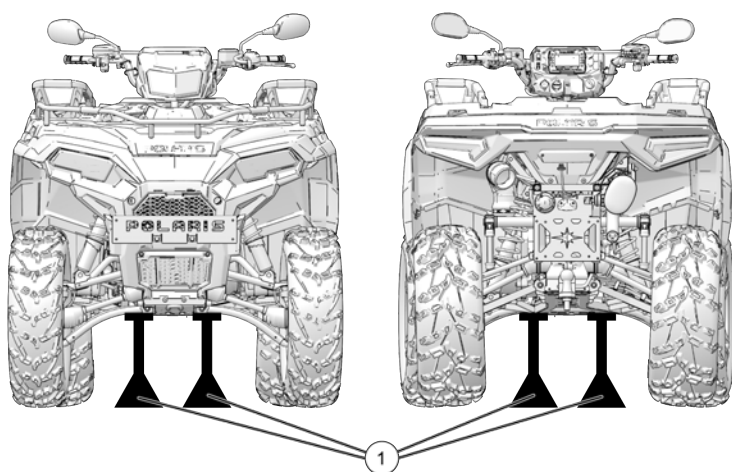
MAINTENANCE

ELEVATING THE VEHICLE FOR SERVICE

Some service procedures require elevation of the vehicle. Always position the vehicle on a firm, level surface before elevating. Do not position a jack or jack stand under any components other than the frame.

Use an appropriate lift or floor jack. This vehicle is not equipped with dedicated jacking points. Place the floor jack at the front (or rear) of the vehicle, directly under the center of the unit. Make sure the floor jack makes contact only with the *frame* of the vehicle while lifting ①.

Do not allow the vehicle to remain elevated on a floor jack. After elevating, place jack stands under the *frame* on each side of the floor jack, then lower the floor jack.



MAINTENANCE INTERVALS

The maintenance interval charts outline required maintenance and inspection based on vehicle hours / miles. Each table states the number of hours / miles that service is required on the vehicle. Some items or components may need to be serviced more often due to severe use, such as operation in water or under severe loads. When the vehicle goes beyond 500 hours / 5000 miles, return to the 25 hours / 250 mile chart and start the interval process over, disregard any break-in services.

The following symbols denote potential items to be aware of during maintenance:

MAINTENANCE INTERVAL KEY

SYMBOL	DESCRIPTION
XU	Perform these procedures more often for vehicles subjected to severe use.
D	Have an authorized Polaris dealer or other qualified person perform these services.

25 HOUR / 250 MILE (400 KM) SERVICE

ITEM	REMARKS
XU / D Brake Pad Wear	Inspect
XU Engine Oil	Break-in oil and filter change
XU Front Gearcase Fluid	Break-in fluid change
Fuel System	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU Transmission Oil	Break-in oil level check

50 HOUR / 500 MILE (800 KM) SERVICE

ITEM	REMARKS
XU / D Brake Pad Wear	Inspect
Drive Belt (Non-EBS Clutch)	Inspect; replace as needed
XU Engine Oil	Check level
XU Front Gearcase Fluid	Check level
Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.

MAINTENANCE

ITEM		REMARKS
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU	Shock Absorbers	Inspect for leaks, loose joints, and wear
D	Steering	Lubricate
	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
XU	Transmission Oil	Check level
	Hitch	Re-torque tow ball hitch to (445 N·m) at 600 miles (1000 km)

75 HOUR / 750 MILE (1200 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	Transmission Oil	Check level

100 HOUR / 1000 MILE (1600 KM) SERVICE

ITEM		REMARKS
XU	Air Filter (Main Element)	Inspect; replace as needed
	Battery	Check terminals; clean; test; replace as needed
XU / D	Brake Pad Wear	Inspect
	Cam Chain Tensioner	Inspect; clean; replace as needed
D	Clutches (Non-EBS)	Inspect bushings, rollers, wearable parts; clean; replace worn parts

ITEM		REMARKS
XU	Cooling Hoses	Inspect for leaks
	Cooling System	Inspect coolant strength seasonally; pressure test system yearly.
	Drive Belt (EBS / Non-EBS Clutches)	Inspect; replace as needed
XU	Engine Breather	Inspect, clean, replace if necessary
XU	Engine Mounts	Inspect
XU	Engine Oil	Change the oil and filter
	Exhaust Pipe / Silencer / Joints	Inspect; replace worn parts
XU	Front Gearcase Fluid	Check level
XU	Front / Rear Suspension	Lubricate
XU / D	Fuel System	Cycle key to pressurize fuel pump; check for leaks at fill cap, fuel lines/rail and fuel pump.
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
XU	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU	Shock Absorbers	Inspect for leaks, loose joints, and wear
	Spark Arrestor	Non-ETC Models: Inspect; remove the clean-out bolt. ETC / California Models: Inspect; remove and clean the screen.
XU	Spark Plug	Inspect; replace as needed
D	Steering	Lubricate
E	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
XU	Transmission Oil	Check level
D	Wheel Bearings	Inspect; replace as needed
XU	Wiring	Inspect for wear, routing, security; apply dielectric grease to connectors subjected to water, mud, etc.

MAINTENANCE

125 HOUR / 1250 MILE (2000 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	Transmission Oil	Check level

150 HOUR / 1500 MILE (2400 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
	Drive Belt (Non-EBS Clutch)	Inspect; replace as needed
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU	Shock Absorbers	Inspect for leaks, loose joints, and wear
D	Steering	Lubricate
	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
XU	Transmission Oil	Check level

175 HOUR / 1750 MILE (2800 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	Transmission Oil	Check level

200 HOUR / 2000 MILE (3200 KM) SERVICE

ITEM		REMARKS
XU	Air Filter (Main Element)	Inspect; replace as needed
	Battery	Check terminals; clean; test; replace as needed
	Brake Fluid	Change
XU / D	Brake Pad Wear	Inspect
	Cam Chain Tensioner	Inspect; clean; replace as needed
D	Clutches (EBS / Non-EBS)	Inspect bushings, rollers, wearable parts; clean; replace worn parts
XU	Cooling Hoses	Inspect for leaks
	Cooling System	Inspect coolant strength seasonally; pressure test system yearly.
	Valve Clearance	Inspect; adjust as needed
	Drive Belt (EBS / Non-EBS Clutches)	Inspect; replace as needed
XU	Engine Breather	Inspect, clean, replace if necessary
XU	Engine Mounts	Inspect
XU	Engine Oil	Change the oil and filter
	Exhaust Pipe / Silencer / Joints	Inspect; replace worn parts

MAINTENANCE

ITEM		REMARKS
XU	Front Gearcase Fluid	Change fluid
XU / D	Fuel System	Cycle key to pressurize fuel pump; check for leaks at fill cap, fuel lines/rail and fuel pump.
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
XU	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU	Shock Absorbers	Inspect for leaks, loose joints, and wear
	Spark Arrestor	Non-ETC Models: Inspect; remove the clean-out bolt. ETC / California Models: Inspect; remove and clean the screen.
XU	Spark Plug	Inspect; replace as needed
D	Steering	Lubricate
	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
	Transmission Oil	Change oil
D	Wheel Bearings	Inspect; replace as needed
XU	Wiring	Inspect for wear, routing, security; apply dielectric grease to connectors subjected to water, mud, etc.

225 HOUR / 2250 MILE (3600 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	Transmission Oil	Check level

250 HOUR / 2500 MILE (4000 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
	Drive Belt (Non-EBS Clutch)	Inspect; replace as needed
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU / D	Shock Absorbers	Replace or rebuild (if applicable)
D	Steering	Lubricate
	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
XU	Transmission Oil	Check level

275 HOUR / 2750 MILE (4400 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	Transmission Oil	Check level

MAINTENANCE

300 HOUR / 3000 MILE (4800 KM) SERVICE

ITEM		REMARKS
XU	Air Filter (Main Element)	Inspect; replace as needed
	Battery	Check terminals; clean; test; replace as needed
XU / D	Brake Pad Wear	Inspect
	Cam Chain Tensioner	Inspect; clean; replace as needed
D	Clutches (Non-EBS)	Inspect bushings, rollers, wearable parts; clean; replace worn parts
XU	Cooling Hoses	Inspect for leaks
	Cooling System	Inspect coolant strength seasonally; pressure test system yearly.
	Drive Belt (EBS / Non-EBS Clutches)	Inspect; replace as needed
XU	Engine Breather	Inspect, clean, replace if necessary
XU	Engine Mounts	Inspect
XU	Engine Oil	Change the oil and filter
	Exhaust Pipe / Silencer / Joints	Inspect; replace worn parts
XU	Front Gearcase Fluid	Check level
XU / D	Fuel System	Cycle key to pressurize fuel pump; check for leaks at fill cap, fuel lines/rail and fuel pump.
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
XU	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU	Shock Absorbers	Inspect for leaks, loose joints, and wear
	Spark Arrestor	Non-ETC Models: Inspect; remove the clean-out bolt. ETC / California Models: Inspect; remove and clean the screen.
XU	Spark Plug	Inspect; replace as needed
D	Steering	Lubricate

ITEM		REMARKS
	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
XU	Transmission Oil	Check level
D	Wheel Bearings	Inspect; replace as needed
XU	Wiring	Inspect for wear, routing, security; apply dielectric grease to connectors subjected to water, mud, etc.

325 HOUR / 3250 MILE (5200 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	Transmission Oil	Check level

350 HOUR / 3500 MILE (5600 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
	Drive Belt (Non-EBS Clutch)	Inspect; replace as needed
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU	Shock Absorbers	Inspect for leaks, loose joints, and wear

MAINTENANCE

ITEM		REMARKS
D	Steering	Lubricate
	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
XU	Transmission Oil	Check level

375 HOUR / 3750 MILE (6000 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	Transmission Oil	Check level

400 HOUR / 4000 MILE (6400 KM) SERVICE

ITEM		REMARKS
XU	Air Filter (Main Element)	Inspect; replace as needed
	Battery	Check terminals; clean; test; replace as needed
	Brake Fluid	Change every two years
XU / D	Brake Pad Wear	Inspect
	Cam Chain Tensioner	Inspect; clean; replace as needed
D	Clutches (EBS / Non-EBS)	Inspect bushings, rollers, wearable parts; clean; replace worn parts
XU	Cooling Hoses	Inspect for leaks
	Cooling System	Inspect coolant strength seasonally; pressure test system yearly.
	Valve Clearance	Inspect; adjust as needed
	Drive Belt (EBS / Non-EBS Clutches)	Inspect; replace as needed

ITEM		REMARKS
XU	Engine Breather	Inspect, clean, replace if necessary
XU	Engine Mounts	Inspect
XU	Engine Oil	Change the oil and filter
	Exhaust Pipe / Silencer / Joints	Inspect; replace worn parts
XU	Front Gearcase Fluid	Change fluid
XU	Front / Rear Suspension	Lubricate
XU / D	Fuel System	Cycle key to pressurize fuel pump; check for leaks at fill cap, fuel lines/rail and fuel pump.
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
XU	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU	Shock Absorbers	Inspect for leaks, loose joints, and wear
	Spark Arrestor	Non-ETC Models: Inspect; remove the clean-out bolt. ETC / California Models: Inspect; remove and clean the screen.
XU	Spark Plug	Inspect; replace as needed
D	Steering	Lubricate
	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
XU	Transmission Oil	Change oil
D	Wheel Bearings	Inspect; replace as needed
XU	Wiring	Inspect for wear, routing, security; apply dielectric grease to connectors subjected to water, mud, etc.

MAINTENANCE

425 HOUR / 4250 MILE (6400 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	Transmission Oil	Check level

450 HOUR / 4500 MILE (6800 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
	Drive Belt (Non-EBS Clutch)	Inspect; replace as needed
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU	Shock Absorbers	Inspect for leaks, loose joints, and wear
D	Steering	Lubricate
	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
XU	Transmission Oil	Check level

475 HOUR / 4750 MILE (7200 KM) SERVICE

ITEM		REMARKS
XU / D	Brake Pad Wear	Inspect
XU	Engine Oil	Check level
XU	Front Gearcase Fluid	Check level
	Fuel System Check	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion.
XU	Transmission Oil	Check level

500 HOUR / 5000 MILE (7600 KM) SERVICE

ITEM		REMARKS
XU	Air Filter (Main Element)	Inspect; replace as needed
	Battery	Check terminals; clean; test; replace as needed
XU / D	Brake Pad Wear	Inspect
	Cam Chain Tensioner	Inspect; clean; replace as needed
D	Clutches (Non-EBS)	Inspect bushings, rollers, wearable parts; clean; replace worn parts
XU	Cooling Hoses	Inspect for leaks
	Cooling System	Replace coolant with Polaris 50/50 Extended-Life Antifreeze.
	Drive Belt (EBS / Non-EBS Clutches)	Inspect; replace as needed
XU	Engine Breather	Inspect, clean, replace if necessary
XU	Engine Mounts	Inspect
XU	Engine Oil	Change the oil and filter
	Exhaust Pipe / Silencer / Joints	Inspect; replace worn parts
XU	Front Gearcase Fluid	Check level
XU / D	Fuel System	Cycle key to pressurize fuel pump; check for leaks at fill cap, fuel lines/rail and fuel pump.

MAINTENANCE

ITEM		REMARKS
XU	General Lubrication	Lubricate all fittings, pivots, cables, etc.
XU	Radiator	Inspect; clean external surfaces
	Shift Linkage	Inspect
XU / D	Shock Absorbers	Replace or rebuild (if applicable)
	Spark Arrestor	Non-ETC Models: Inspect; remove the clean-out bolt. ETC / California Models: Inspect; remove and clean the screen.
XU	Spark Plug	Inspect; replace as needed
D	Steering	Lubricate
	Throttle Body Intake Duct	Inspect ducts for proper sealing / air leaks
XU	Throttle	Inspect; replace if necessary
XU	Transmission Oil	Check level
D	Wheel Bearings	Inspect; replace as needed
XU	Wiring	Inspect for wear, routing, security; apply dielectric grease to connectors subjected to water, mud, etc.

LUBRICATION GUIDE

Check and lubricate all components at the intervals outlined in the Periodic Maintenance Chart. Items not listed in the chart should be lubricated at the General Lubrication interval.

The a-arms and lower control arms are lubricated at the factory, and no additional lubrication will be needed. However, if these components are subjected to severe use, grease zerks have been provided for additional lubrication at the user's discretion.

ITEM	LUBE	CAPACITY AT FLUID CHANGE	INSPECTION PROCEDURE
Engine Oil	PS-4 5W-50 4-Cycle Oil	2 qt. (1.9 L)	Maintain level in safe range on dipstick.
Brake Fluid	DOT 4 Brake Fluid	-	Maintain level between fill lines.
Transmission Oil	AGL Gearcase Lubricant & Transmission Fluid	1 qt. (0.95 L)	Maintain level at bottom of fill hole threads.
Demand Drive (Front Gearcase)	Demand Drive	9.3 fl oz. (275 ml)	Maintain level at bottom of fill hole threads.
Front Prop Shaft	U-Joint Grease	-	Grease fittings (3 pumps maximum) every 50 hours, or 500 miles (whichever comes first), before long periods of storage, or after pressure washing or submerging.

MAINTENANCE

ENGINE OIL

Always check and change the oil at the intervals outlined in the Periodic Maintenance Chart. Always use the recommended engine oil. Always change the oil filter whenever changing oil.

Pay special attention to the oil level. A rise in oil level during cold weather can indicate contaminants collecting in the oil sump or crankcase. Change oil immediately if the oil level begins to rise. Monitor the oil level, and if it continues to rise, discontinue use and determine the cause. Your dealer can assist.

WARNING

Vehicle operation with insufficient, deteriorated, or contaminated engine oil will cause accelerated wear and may result in engine seizure, accident and injury. Always perform the maintenance procedures as outlined in the Periodic Maintenance Chart.

OIL RECOMMENDATIONS

Always change the oil filter whenever changing oil.

POLARIS recommends the use of POLARIS PS-4 Full Synthetic 5W-50 4-cycle oil or a similar oil for this engine. Oil may need to be changed more frequently if POLARIS oil is not used. Always use 5W-50 oil. Follow the manufacturer's recommendations for ambient temperature operation.

See the Lubrication Guide section for fluid recommendations, capacities and plug torques.

NOTICE

Mixing brands or using a non-recommended oil may cause serious engine damage. Always use the recommended oil. Never substitute or mix oil brands.

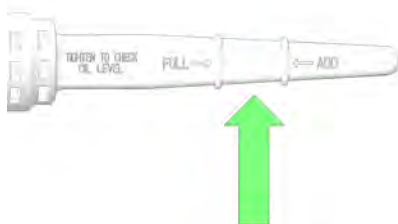
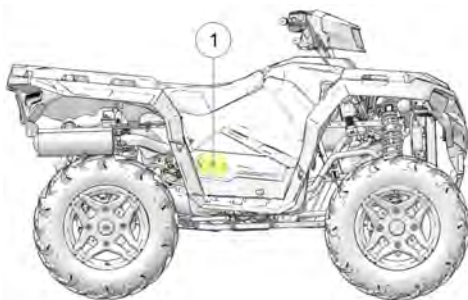
OIL LEVEL

NOTICE

Check the oil level when the engine is cold. Never check the oil with the engine running.

To check the oil level, do the following:

1. Position the vehicle on a level surface.
2. Access the oil dipstick and fill tube from the right side of the ATV ①. Remove the dipstick. Wipe it dry with a clean cloth.
3. Reinstall and tighten the dipstick.
4. Remove the dipstick and check the oil level.
5. Add the recommended lubricant as needed. Maintain the oil level in the safe range between the FULL and ADD marks. Do NOT overfill.
6. Reinstall and tighten the dipstick.

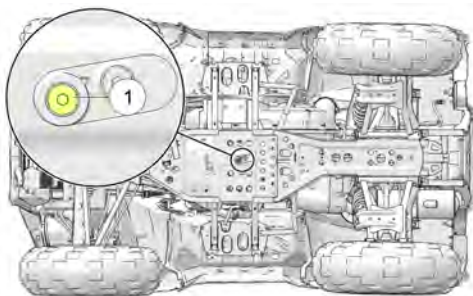


OIL AND OIL FILTER CHANGE

IMPORTANT

Always change the oil filter whenever changing oil.

See the Lubrication Guide section for fluid recommendations and capacities. Always change the oil and oil filter at the intervals outlined in the Periodic Maintenance Chart beginning on . Always change the oil filter whenever changing oil.



MAINTENANCE

1. Position the vehicle on a level surface.
2. Put the transmission in PARK (P) and lock the parking brake.
3. Start the engine. Allow it to warm up at idle for two to three minutes.
4. Stop the engine.
5. Clean the area around the drain plug ①.
6. Place a drain pan under the crankcase.
7. Remove the drain plug ① and washer. Allow the oil to drain completely.

CAUTION

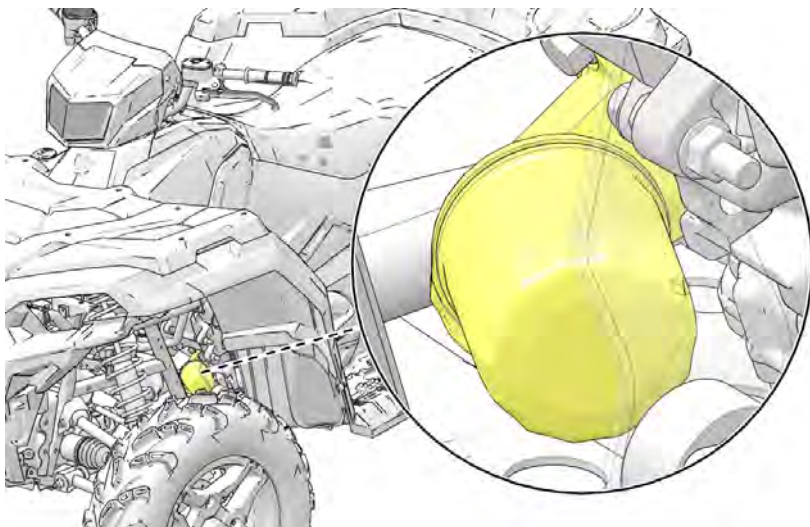
Hot oil can cause burns to skin. Do not allow hot oil to contact skin.

8. Install a new sealing washer on the drain plug. The sealing surfaces on drain plug and crankcase should be clean and free of burrs, nicks or scratches.
9. Reinstall the drain plug. Torque to specification.

TORQUE

Drain Plug
12 ft-lbs (16 N·m)

10. Place an oil drain pan and shop towels beneath the oil filter.



11. Using an oil filter wrench (available from your POLARIS dealer), turn the filter counter-clockwise to remove it.

Oil Filter Wrench PU-50105
--

12. Using a clean dry cloth, clean the filter sealing surface on the crankcase.
13. Lubricate the o-ring on the new filter with a film of fresh engine oil. Check to make sure the o-ring is in good condition.
14. Install the new filter and rotate it clockwise by hand until the filter gasket contacts the sealing surface, then turn it an additional 3/4 turn.
15. Remove the engine access panel on the right side of the vehicle.
16. Remove the dipstick. Add the Polaris recommended lubricant as necessary to bring the oil level within the SAFE range on the dipstick. DO NOT overfill.

FLUID CAPACITY
Recommended Lubricant: Polaris PS-4 Synthetic 4-Cycle Engine Oil Capacity: 2 qt (1.9 L)

17. Reinstall the dipstick.
18. Start the engine. Allow it to idle for one to two minutes.
19. Stop the engine and check for leaks.
20. Check the oil level. Add engine oil as needed to bring the level to the upper mark on the dipstick. See Oil Check section for proper procedure.
21. Dispose of used filter and oil properly.

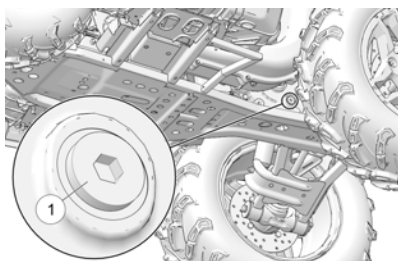
MAINTENANCE

TRANSMISSION OIL

Always check and change the transmission oil at the intervals outlined in the Periodic Maintenance Interval section of this manual. See the Lubrication Guide section for fluid recommendations and capacities. Maintain the oil level at the bottom of the fill plug hole. The fill plug is located on the left side of the ATV behind the footwell. The drain plug is located on the right side of the vehicle.

OIL CHECK

1. Remove the fill plug ①. Check the oil level. Oil should reach the bottom of the fill hole threads.
2. Slowly add the recommended fluid as needed to bring the level to the bottom of the fill hole threads.
3. Reinstall the fill plug. Torque to specification.

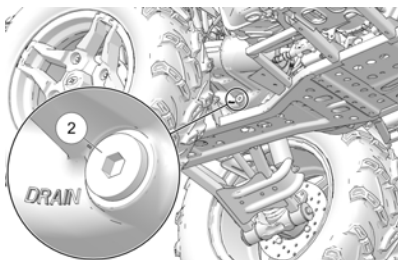


TORQUE

Fill Plug
12 ft-lbs (16 N·m)

OIL CHANGE

1. Place a drain pan under the gearcase. Remove the drain plug ②. Allow the oil to drain completely.
2. Clean and reinstall the drain plug. Torque to specification.
3. Remove the fill plug. Slowly add the proper amount of the recommended oil. Oil should reach the bottom of the fill hole threads.
4. Reinstall the fill plug. Torque to specification.
5. Check for leaks.
6. Dispose of used oil properly.



TORQUE

Drain Plug
12 ft-lbs (16 N·m)

FRONT GEARCASE (DEMAND DRIVE) FLUID

Always check and change the demand drive fluid at the intervals outlined in the Periodic Maintenance Chart.

Change the front gearcase fluid every 25 hours if the ADC unit is exposed to extreme use. Extreme use includes any of the following:

- operation in ADC mode for prolonged periods
- constant ADC operation on hilly or mountainous terrain
- ADC is the primary mode of all-wheel-drive operation

TIP

If the front gearcase makes excessive noise during ADC operation, change the demand drive fluid. If the noise continues, please see your POLARIS dealer or other qualified service facility for service.

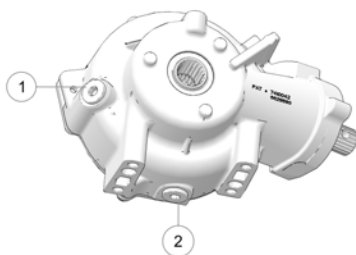
Use the recommended fluid. Use of other fluids may result in improper operation of components. Maintain the fluid level at the bottom of the fill hole threads. The fill plug is located on the right side of the demand drive unit. The drain plug is located on the bottom right side of the unit.

FLUID CHECK

TORQUE

Fill Plug: 8–10 ft lbs (11–14 Nm)

1. Position the vehicle on a level surface. Remove the fill plug ①. Check the fluid level.
2. Add the recommended fluid as needed to bring the level to the bottom of the fill hole threads.
3. Reinstall the fill plug. Torque to specification.



MAINTENANCE

FLUID CHANGE

TORQUE
Drain Plug: 11 ft lbs (15 Nm)

1. Position the vehicle on a level surface. Remove the fill plug.
2. Place a drain pan under the demand drive unit. Remove the drain plug ②. Allow the fluid to drain completely.
3. Clean and reinstall the drain plug. Torque to specification.
4. Add the proper amount of the recommended fluid.
5. Reinstall the fill plug. Torque to specification.
6. Check for leaks. Dispose of used fluid properly.

POWER STEERING UNIT

If your model is equipped with power steering, frequently clean the areas around and on the power steering unit to allow proper cooling. Clean these areas thoroughly.

STEERING ASSEMBLY

The steering assembly of the ATV should be checked periodically for loose nuts and bolts. If loose nuts and bolts are found, see your authorized dealer or other qualified service facility before operating the vehicle.

COOLING SYSTEM

The engine coolant level is controlled, or maintained, by the recovery system. The recovery system components are the recovery bottle, the radiator filler neck, the radiator pressure cap and the connecting hose.

As coolant operating temperature increases, the expanding (heated) excess coolant is forced out of the engine, past the pressure cap, and into the recovery bottle. As engine coolant temperature decreases the contracting (cooled) coolant is drawn back up from the bottle, past the pressure cap, and into the radiator.

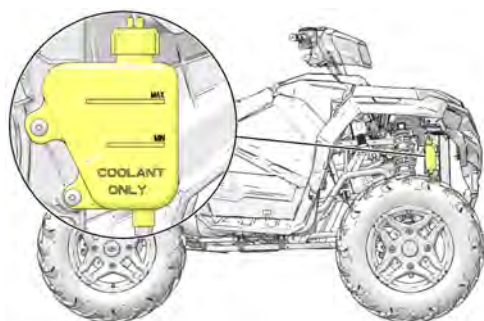
Some coolant level drop on new vehicles is normal as the system is purging itself of trapped air. Check the coolant level and maintain as recommended by adding coolant to the recovery bottle.

POLARIS recommends the use of POLARIS Antifreeze 50/50 Premix. This antifreeze is already premixed and ready to use. Do not dilute with water. See the Polaris Products section for the part numbers.

RECOVERY BOTTLE COOLANT

The recovery bottle fluid level can be accessed from the front left wheel well.

1. View the fluid level in the bottle.
2. If the level is low, remove the bottle cap and add coolant as needed. Maintain the coolant level between the minimum and maximum marks on the bottle (when the fluid is cool).
3. Reinstall the cap.
4. Close and secure the front box and cover.



RADIATOR COOLANT

To ensure that the coolant maintains its ability to protect the engine, we recommend that the system be completely drained every five (5) years and fresh Antifreeze 50/50 Premix added.

Any time the cooling system has been drained for maintenance or repair, replace the coolant with fresh Antifreeze 50/50 Premix. If the recovery bottle has run dry, check the level in the radiator. Add coolant as needed.

CAUTION

Escaping steam can cause burns. Never remove the pressure cap while the engine is warm or hot. Always allow the engine to cool before removing the pressure cap.

1. Access the pressure cap under the front box. See the Front Compartment section for details.
2. Remove the pressure cap.
3. Using a funnel, slowly add coolant through the radiator filler neck.
4. Reinstall the pressure cap. Use of a non-standard pressure cap will not allow the recovery system to function properly. Your POLARIS dealer can provide the correct replacement part.
5. Close and secure the front box and cover.

BRAKES

HAND BRAKE

The front and rear brakes are hydraulic disc brakes, activated by moving the single brake lever toward the handlebar. These brakes are self-adjusting.

Under normal operation, the diaphragm extends into the reservoir as fluid level drops. If the fluid level is low and the diaphragm is not extended, a leak is likely and the diaphragm should be replaced. To ensure proper diaphragm operation, always fill the reservoir as needed whenever the cover is loosened or removed. Do not overfill.

WARNING

An over-full master cylinder may cause brake drag or brake lock-up, which could result in serious injury or death. Maintain brake fluid at the recommended level. Do not overfill.

The following checks are recommended to keep the brake system in good operating condition. Check more often if brakes are used heavily under normal operation.

1. Always keep brake fluid at an adequate level. See the Master Cylinder/Brake Fluid section for details.
2. Check the brake system for fluid leaks.
3. Check the brakes for excessive travel or spongy feel.
4. Check the friction pads for wear, damage and looseness. Replace brake pads when they are worn to .030" (0.762 mm).
5. Check the security and surface condition of the disc. Clean any grease using a recommended brake cleaner or alcohol. Do not use spray lubricants or other petroleum-based products. If you discover any damage (cracks, excessive corrosion, warping) see your dealer for service before operating.

AUXILIARY FOOT BRAKE

The hydraulic auxiliary brake system requires no adjustment. Check the brake fluid level frequently for the auxiliary brake system.

SIDE PANEL REMOVAL

To remove the side panel, do the following:

1. Remove the seat.
2. Use a flat screwdriver to remove the plastic rivets securing the side panel.
3. Grasp the rear of the side panel near the rear cab. With a firm motion, pull the side panel outward to disengage the side panel from the grommets.
4. Pull the panel outward and rearward to remove it.

FOOTWELL REMOVAL (1-UP MODELS)

To remove the footwell, do the following:

1. Remove the four screws on the bottom of the footwell.
2. Use a flat screwdriver to remove the plastic rivets securing the footwell to the fenders.
3. Remove the footwell.

TIRES

WARNING

Operating your ATV with worn tires, improperly inflated tires, non-standard tires or improperly installed tires will affect vehicle handling and could cause an accident resulting in serious injury or death. Always follow all tire maintenance procedures as outlined in this manual and on the labels on the vehicle. Always use original equipment size and type when replacing tires.

Refer to the specifications section for recommended tire type, size and pressure.

TIRE AGING

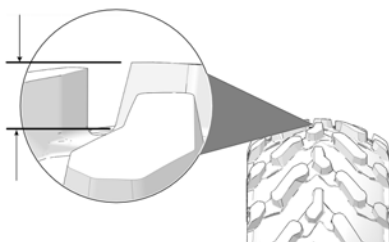
WARNING

Tires age, even if they are unused or only used occasionally. Evidence of ageing may appear as cracks in the treads or sidewall rubber, sometimes accompanied by carcass deformation. Old tires should be checked by tire specialists to determine their suitability for further use.

MAINTENANCE

TIRE TREAD DEPTH

Always replace tires when tread depth is worn to 3 mm (1/8") or less.



FRONT WHEEL HUB TIGHTENING

Front wheel bearing tightness and spindle nut retention are critical component operations. All service must be performed by your authorized dealer or other qualified service facility.

WHEEL REMOVAL

1. Stop the engine.
2. Place the transmission in PARK.
3. Lock the parking brake.
4. Loosen the wheel nuts slightly.

WARNING

Do not service axle nuts that have a cotter pin installed. Your authorized dealer can assist.

5. Elevate the side of the vehicle by placing a suitable stand under the foot rest frame.
6. Remove the wheel nuts.
7. Remove the wheel.

WHEEL INSTALLATION

1. Place the transmission in PARK.
2. Lock the parking brake.
3. Place the wheel on the hub with the valve stem toward the outside and rotation arrows on the tire pointing toward forward rotation (if equipped).
4. Install the wheel nuts and finger-tighten them.
5. Lower the vehicle to the ground.
6. Torque the wheel nuts to specification.

WARNING

Loose nuts could cause a tire to come off during operation, which could result in an accident or overturn. Always ensure that all nuts are torqued to specification.

MAINTENANCE

WHEEL NUT TORQUE SPECIFICATIONS

Check the wheel nut torques occasionally and when they've been loosened for maintenance service.

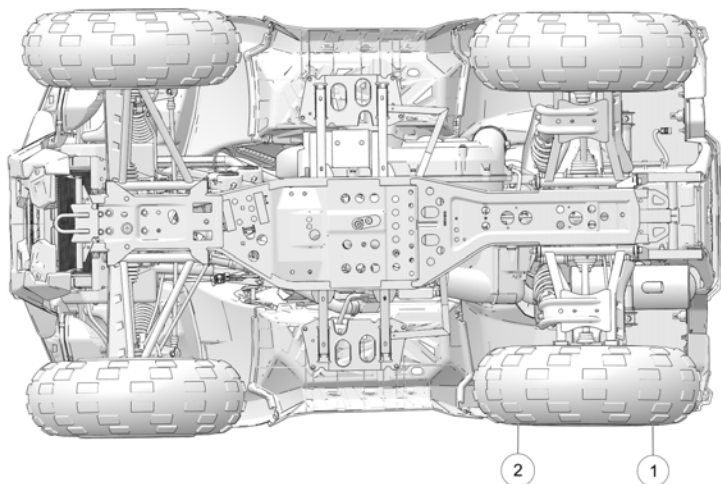
Lug Nut (Aluminum Wheels) 	Front and Rear	30 ft-lbs (41 N·m) PLUS 70 degrees
2-Piece Flange Nut (Steel Wheels) 	Front and Rear	27 ft-lbs (37 N·m)

TOE ALIGNMENT

WARNING

Severe injury or death can result from improper toe alignment and adjustment.

Do not attempt to adjust tie rod alignment. All tie rod adjustments should be performed by an authorized POLARIS dealer or other qualified service facility.

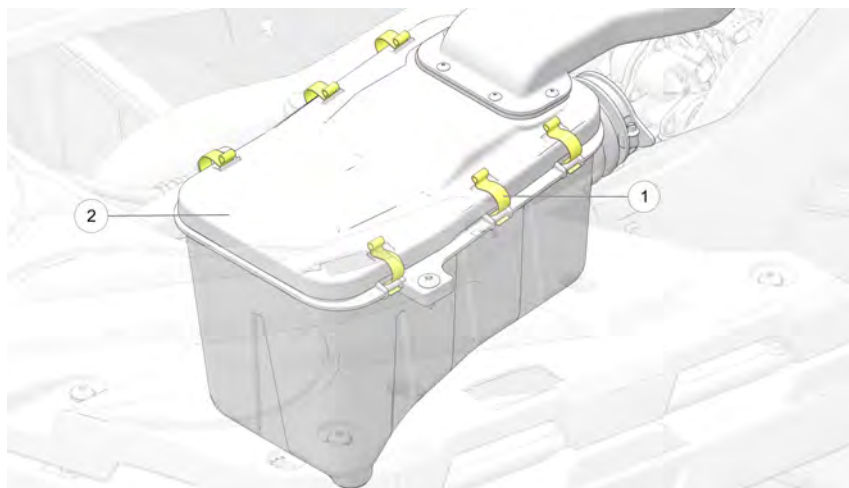


Use the following procedure to check the toe alignment of the vehicle. The recommended toe alignment is 1/4-1/2 inch (6-12 mm).

1. Position the vehicle on a level surface.
2. Place the handlebars in a straight-ahead position.
3. Tie a length of string between two stands. Position the stands so that the string is flush with the side of the rear tire. If available, you may use a long straight-edge instead of string.
4. Measure the distance from the string to the rim at the front ① and rear ② of the front rim. The rear measurement should be 1/8-1/4 inch (3-6 mm) more than the front measurement on each side of the vehicle to obtain the recommended 1/4-1/2 inch (6-12 mm) toe out alignment.
5. Repeat the measurement procedure on the other side of the vehicle.
6. If you discover improper alignment, see your POLARIS dealer for service.

AIR FILTER

It is recommended that the air filter is replaced annually. When riding in extremely dusty conditions, replacement is required more often.

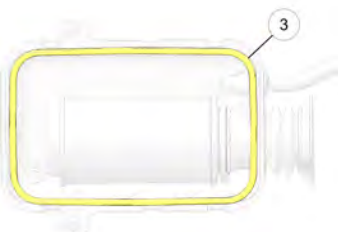


1. Lift up on the rear of the seat.
2. Pull the seat back and free of the tabs.

NOTICE

When reinstalling seat, make sure the slots in the seat engage the tabs in the fuel tank.

3. Remove the six clips ① from air box cover and remove cover ②.
4. Inspect the gasket ③. It should adhere tightly to the cover and seal all the way around.



MAINTENANCE

- Loosen the air filter hose clamp ④ and remove air filter assembly.
- Inspect the air filter and replace if necessary. If the filter has been soaked with fuel or oil, it must be replaced.
- Reinstall the air filter on the main filter mount. Place hose clamp over the assembly and torque to specification.



NOTICE

Apply a small amount of general purpose grease to the sealing edges of the filter before reinstalling.

TORQUE

Air Filter Hose Clamp:
20 in-lbs (2 N·m)

NOTICE

The air filter should rest on the filter supports. Proper placement of the air filter is important to prevent rattles and air leaks.

- Install air box cover and secure with the clips.

FUSE REPLACEMENT

If the engine stops or will not start, or if you experience other electrical failures, a fuse may need replacement. Locate and correct any short circuits that may have caused the blown fuse, then replace the fuse. Spare fuses are provided in the fuse box.

- Open the front box cover, and remove the access panel.
- Remove fuse box cover.
- Remove the suspect fuse from the fuse panel. If the fuse is blown, install a new fuse with the same amperage.
- Secure the fuse box cover and access panel.
- Secure the front box cover.

LIGHTS



Poor lighting can result in reduced visibility when driving. Headlight and taillight lenses become dirty during normal operation. Clean headlights frequently and replace burned out headlamps promptly.

Always make sure lights are adjusted properly for best visibility.

LED HEADLIGHT REPLACEMENT

This ATV is equipped with LED headlights. If the headlights become inoperable, the entire assembly must be replaced by your authorized Polaris dealer or other qualified service facility.

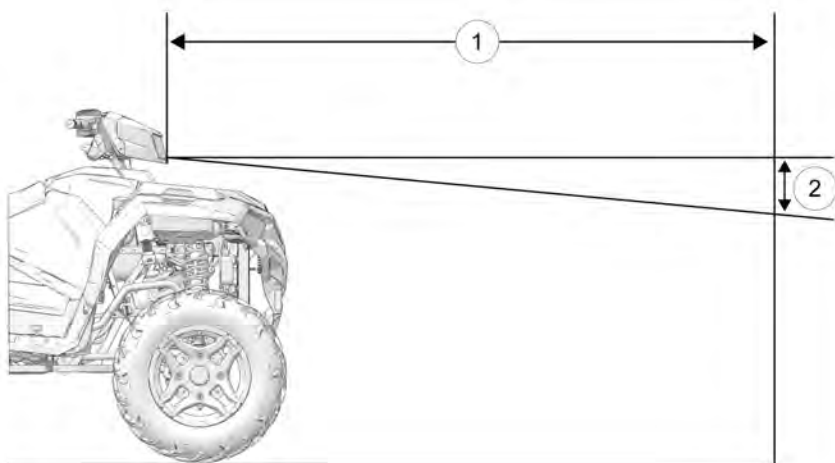
MAINTENANCE

WORK LIGHT ADJUSTMENT

The headlight beam can be adjusted slightly upward or downward. Use the following procedure to make the adjustment.

NOTE

Image below is for reference only. Your model may differ slightly.



1. Position the vehicle on a level surface with the headlight approximately 25 ft. (7.6 m) from a wall ①. Place the transmission in PARK.
2. Measure the distance from the floor to the center of the headlight and make a mark on the wall at the same height.
3. Start the engine. Turn on the headlight.
4. Observe the headlight aim on the wall. The most intense part of the headlight beam should be 2 in. (5 cm) below the mark on the wall ②. Include rider weight on the seat when measuring.
5. The adjustment screw is located on the right side of the headlight pod. To adjust the beam, loosen the screw. Adjust the headlamp to the desired position, then tighten the screw.

HEADLIGHT ADJUSTMENT

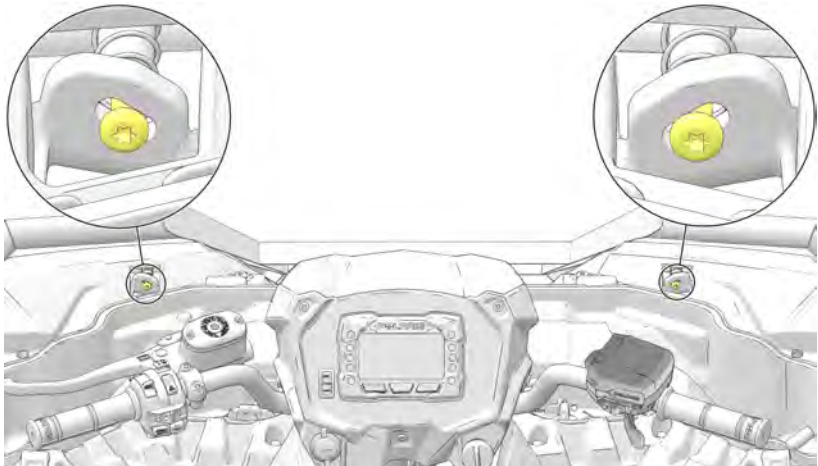
To adjust the front headlights, do the following:

1. Place the vehicle on a level surface with the headlight approximately 23 ft (7 m) from a wall.

NOTICE

Rider weight must be included on the seat while performing this procedure.

2. Place the transmission in PARK.
3. Measure the distance from the floor to the center of the headlight and make a mark on the wall at the same height.
4. Turn ignition ON and switch the headlight to low beam.
5. Observe the headlight aim on the wall. The horizontal line, separating the lit-zone from the unlit-zone, should be aimed 8 in (20 cm) below the mark placed on the wall in step 3.
6. Open the front rack.
7. Adjust the beam to desired position by tightening or loosening the screws at the top of the lights. Adjust each light independently.



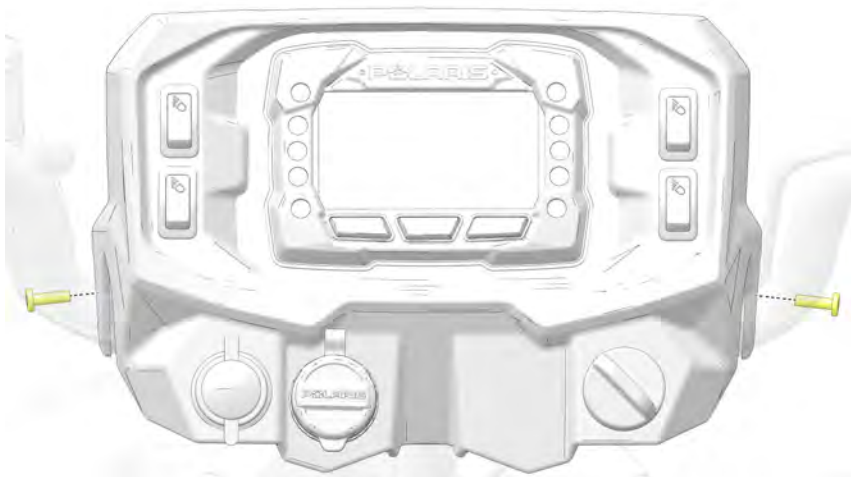
⚠ WARNING

Due to the nature of ATVs and where they are operated, headlight lenses can become dirty. Frequent washing is necessary to maintain lighting quality. Riding with poor lighting can result in severe injury or death.

MAINTENANCE

HEADLIGHT HOUSING REPLACEMENT

To replace the headlight housing, do the following:



1. Remove the two headlight pod screws.
2. Pull the pod cover forward.
3. Unplug the headlamp from the wiring harness.
4. Use a small screwdriver to remove the o-rings from the headlight mounting tabs.
5. Pull the headlight housing up from bracket for removal.
6. Reverse the steps to install the new housing and reassemble the pod.

TAILLIGHTS/BRAKE LIGHTS REPLACEMENT

The taillight assembly is not serviceable. If the light fails to operate properly, replace the entire taillight assembly.

SPARK PLUGS

SPARK PLUG RECOMMENDATIONS

Refer to the specifications section for the recommended spark plug type and gap for your vehicle. Torque spark plugs to specification.

NOTICE

Using non-recommended spark plugs can result in serious engine damage. Always use POLARIS-recommended spark plugs or their equivalent.

ENGINE	TORQUE SPECIFICATION
570	9 ft-lbs (12 Nm)

SPARK PLUG INSPECTION

Spark plug condition is indicative of engine operation. Check the spark plug firing end condition after the engine has been warmed up and the vehicle has been driven at higher speeds. Immediately check the spark plug for correct color.

CAUTION

A hot exhaust system and engine can cause burns. Wear protective gloves when removing a spark plug for inspection. Allow engine to cool before removing spark plug wire.

1. Rotate the spark plug cap 1/4 turn and pull it off the spark plug.
2. Rotate the spark plug counter-clockwise to remove it.
3. Reverse the procedure for spark plug installation. Torque to specification.

NORMAL PLUG

The normal insulator tip is gray, tan or light brown. There will be few combustion deposits. The electrodes are not burned or eroded. This indicates the proper type and heat range for the engine and the service.

The tip should not be white. A white insulator tip indicates overheating, caused by use of an improper spark plug or incorrect throttle body adjustments.

WET FOULED PLUG

The wet fouled insulator tip is black. A damp oil film covers the firing end. There may be a carbon layer over the entire nose. Generally, the electrodes are not worn. General causes of fouling are excessive oil, use of non-recommended oil or poor fuel quality.

VEHICLE IMMERSION

If your vehicle becomes immersed, major engine damage can result if the machine is not thoroughly inspected. Take the vehicle in for service before starting the engine. Your POLARIS dealer can provide this service.

If it's impossible to take your ATV to a dealer before starting it, follow the steps outlined below.

1. Move the ATV to dry land or at the very least, to water below the footrests.
2. Check the air box. If water is present, dry the air box and replace the filter with a new filter. If equipped, remove the air box drain plug to drain water. Reinstall the drain plug.

 CAUTION

Serious damage could occur if the air box drain plug is not reinstalled properly.

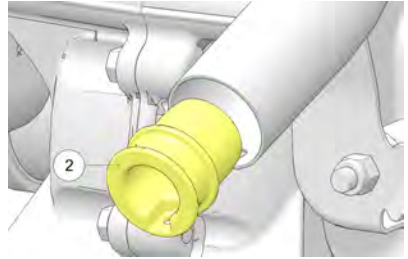
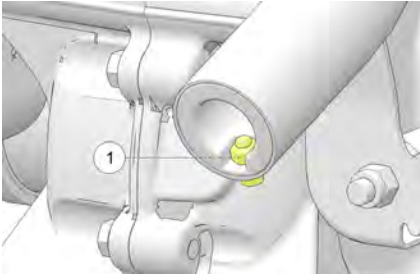
3. Remove the spark plugs.
4. Turn the engine over several times using the electric start.
5. Dry the spark plugs. Reinstall the plugs or install new plugs.
6. Attempt to start the engine. If necessary, repeat the drying procedure.

 CAUTION

Serious damage can occur after immersion if fluids are not changed promptly.
Your authorized dealer can assist.

7. Take the vehicle in for service as soon as possible, whether you succeed in starting it or not. Your authorized dealer can provide the required service.
8. If water has been ingested into the PVT, follow the procedure in the PVT System section for drying out the PVT.

SPARK ARRESTER



Periodically clean the spark arrester to remove accumulated carbon.

1. Place the transmission in PARK.
2. Remove the arrester retaining bolt and nut ①.
3. Remove the arrester from the end of the muffler ②.
4. Use non-synthetic brush to clean the arrester screen. A synthetic brush may melt if the components are warm. If necessary, blow debris from the screen with compressed air.
5. Inspect the screen for wear and damage. Replace a worn or damaged screen.
6. Reinstall the arrester.
7. Torque the retainer bolt to specification.

TORQUE

Retainer Bolt:
8 (11 N·m)

PVT SYSTEM

WARNING

Failure to comply with the instructions in this warning can result in severe injury or death.

Do not modify any component of the PVT system. Doing so may reduce its strength so that a failure may occur at a high speed. The PVT system has been precision balanced. Any modification will cause the system to be out of balance, creating vibration and additional loads on components.

The PVT system rotates at high speeds, creating large amounts of force on clutch components. Extensive engineering and testing has been conducted to ensure the safety of this product. However, as the owner, you have the following responsibilities to make sure this system remains safe:

- Always follow all recommended maintenance procedures. Always look for and remove debris inside and around the clutch and vent system when replacing the belt.
- See your POLARIS dealer, or other qualified person, for service and repair assistance.
- This PVT system is intended for use on POLARIS products only. Do not install it in any other product.
- Always make sure the PVT housing is securely in place during operation.

The basic operation of the POLARIS PVT system is dependent on engine speed and vehicle torque requirements. As engine speed increases, the force exerted on the movable drive sheave by the flyweights also increases. This, in turn, increases the amount of pinch applied to the drive belt. Similarly, if the engine speed decreases, the amount of centrifugal force decreases, reducing the amount of belt pinch.

On POLARIS ATVs, the approximate gear ratio difference between high and low range is 1:2.25. This difference in gearing affects the operation of the PVT, especially at speeds less than 7 MPH (11 km/h), due to the system's dependence on engine speed.

For example, when operating at a ground speed of 3 MPH (5 km/h) in low range, the engine speed would be 2700–3000 RPM. This is well above the engagement speed of 1500 - 1800 RPM. However, in high range at 3 MPH (5 km/h), the engine would be running at only 1500 RPM. Whenever operating this close to the engagement speed, the engine may be running at a speed too low to provide the pinch needed to prevent belt slip. Belt slip is responsible for creating the excessive heat that destroys belts, wears clutch components and causes outer clutch covers to fail.

The air temperature in the clutch cover is substantially reduced by using low range while operating at low ground speeds. Reducing the temperature inside the clutch cover greatly extends the life of the PVT components (belt, cover, etc.).

WHEN TO USE LOW RANGE AND HIGH RANGE

CONDITION	RANGE TO USE
Operating at speeds less than 7 MPH (11 km/h)	Low
Towing heavy loads	Low
Operating in rough terrain (swamps, mountains, etc.)	Low
Operating at speeds greater than 7 MPH (11 km/h)	High

PVT DRYING

There may be some instances when water is accidentally ingested into the PVT system. Use the following instructions to dry it out before operating.

1. Position the vehicle on a level surface.
2. Remove the drain plug. Allow the water to drain completely. Reinstall the drain plug.
3. Start the engine. Place the transmission in PARK.
4. Apply varying throttle for 10-15 seconds to expel the moisture and air-dry the belt and clutches. Do not hold the throttle wide open for more than 5 seconds.
5. Allow the engine RPM to settle to idle speed, then shift the transmission to low range.
6. Test for belt slippage. If the belt slips, repeat the process. Your vehicle requires service as soon as possible, which your authorized dealer can provide.

MAINTENANCE

BATTERY

WARNING

Improperly connecting or disconnecting battery cables can result in an explosion and cause serious injury or death. When removing the battery, always disconnect the negative (black) cable first. When reinstalling the battery, always connect the negative (black) cable last.

Your ATV is equipped with a sealed battery, which requires little maintenance. POLARIS does not recommend using a conventional battery in this vehicle. The orientation of the battery could result in electrolyte leakage, which would shorten the life of the battery considerably.

Always keep battery terminals and connections free of corrosion. If cleaning is necessary, remove corrosion with a stiff wire brush. Wash with a solution of one tablespoon baking soda and one cup water. Rinse well with tap water and dry off with clean shop towels. Coat the terminals with dielectric grease or petroleum jelly.

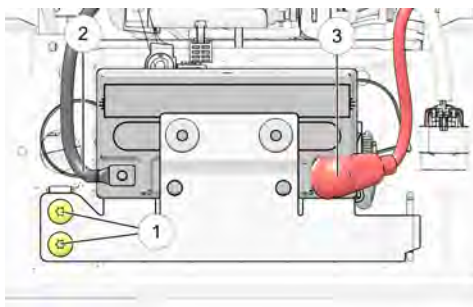
BATTERY REMOVAL

NOTICE

If electrolyte spills, immediately wash it off with a solution of one tablespoon baking soda and one cup water to prevent damage to the vehicle.

To remove the battery, do the following:

1. Unlatch the front rack latches and open the front rack.
2. Remove the two battery hold down strap screws ① and remove strap from vehicle.
3. Disconnect the negative (-) black cable ② first. Then disconnect the positive (+) red cable ③.



4. Carefully lift the battery out of the vehicle.

⚠ CAUTION

To reduce the chance of sparks when installing the battery, always install the negative (-) cable last.

BATTERY INSTALLATION

NOTICE

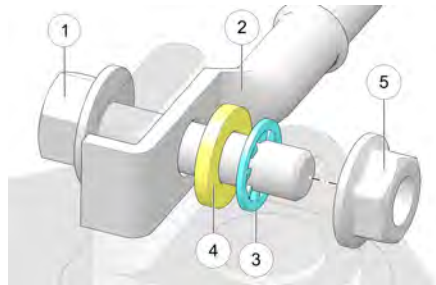
Using a new battery that has not been fully charged can damage the battery and result in a shorter life. It can also hinder vehicle performance. Refer to the battery charging information in the Maintenance chapter before installing the battery.

⚠ CAUTION

To reduce the chance of sparks when installing the battery, always install the negative (-) cable last.

1. Clean battery cables and terminals with a stiff wire brush. Corrosion can be removed using a solution of one cup water and one tablespoon baking soda. Rinse well with clean water and dry thoroughly.
2. Carefully install the battery into the vehicle.
3. Coat terminals and bolt threads with Nyogel® Grease.
4. Connect the positive (+) red cable as shown below. Torque to specification.

- ① Flange Bolt
- ② Battery Cable
- ③ Internal Tooth Lock Washer
- ④ Flat Washer
- ⑤ Flange Nut (Torque Applied)



TORQUE

Battery Terminals
62 in-lbs (7 N·m)

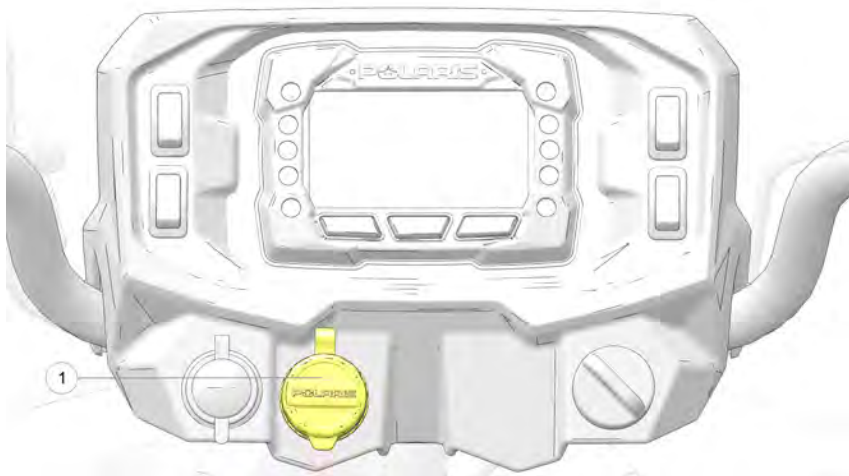
5. Install positive battery boot.

MAINTENANCE

6. Connect and tighten the negative (-) black cable. Torque to specification.
7. Verify the battery cables are properly routed.

BATTERY STORAGE

Whenever the vehicle is not used for a period of three months or more, remove the battery from the vehicle, ensure that it's fully charged, and store it out of the sun in a cool, dry place. Check battery voltage each month during storage and recharge as needed to maintain a full charge.



POLARIS recommends maintaining battery charge by using a POLARIS battery trickle charger or by charging once a month using the battery charge port ①. The Polaris offered battery trickle charger can be left connected during the storage period, and will automatically charge the battery if the voltage drops below a pre-determined point. See the Polaris Products section for the part number.

IMPORTANT

Polaris recommends using a trickle charger that shuts off automatically when the battery is fully charged. If you are not using a trickle charger that automatically shuts when the battery is fully charged, make sure to monitor the battery charge level and disconnect the charger when the battery is fully charged.

CAUTION

When using a battery trickle charger, always place the charger on the ground, or on a suitable elevated surface. Never place the charger on the vehicle or let it hang from the battery charge port while plugged in.

BATTERY CHARGING

Read all instructions before proceeding with the installation of this battery.

The battery is already filled with electrolyte and has been *fully charged* at the factory. *Never* pry the caps off or add any other fluid to this battery.

The single most important thing about maintaining the battery is to keep it fully charged. Use a voltmeter to measure DC voltage to determine the battery state of charge.

WARNING

An overheated battery may explode, causing severe injury or death. Always watch charging times carefully. Stop charging if the battery becomes very warm to the touch. Allow it to cool before resuming charging.

For a refresh charge, follow all instructions carefully.

1. The battery should be disconnected from a load or charger for at least two hours before checking voltage. Check the battery voltage with a voltmeter. A fully charged battery will register 12.6 V or higher.
2. If the voltage is less than 12.6 volts, recharge the battery at 2 amps or less until the battery charger indicates charge complete.
3. When using an automatic charger, refer to the charger manufacturer's instructions for recharging. When using a constant current charger, use the following guidelines via the table below.

VOLTAGE TABLE

Always verify battery condition before and 1-2 hours after the end of charging.

MAINTENANCE

STATE OF CHARGE	VOLTAGE	ACTION	CHARGE TIME (USING CONSTANT CURRENT CHARGER @ STANDARD AMPS SPECIFIED ON TOP OF BATTERY)
100%	12.6-12.8 volts	Low Maintenance Battery: check after 60 days	None required
50%-75%	12.0-12.5 volts	Needs charge	5-11 hours
25%-50%	11.5-12.0 volts	Needs charge	At least 13 hours, verify state of charge
0%-25%	11.5 volts or less	Needs charge	At least 20 hours

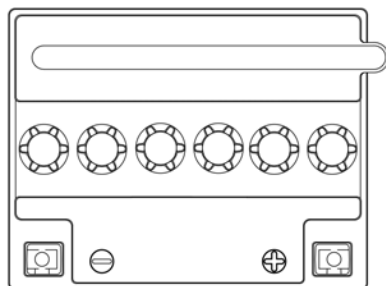
BATTERY IDENTIFICATION

IMPORTANT

It is important to identify the type of battery installed in the vehicle. Different types of batteries require different service procedures. Proper servicing and upkeep of the battery is very important for maintaining long battery life. All Polaris ORV models include either a Conventional battery or a Low Maintenance battery.

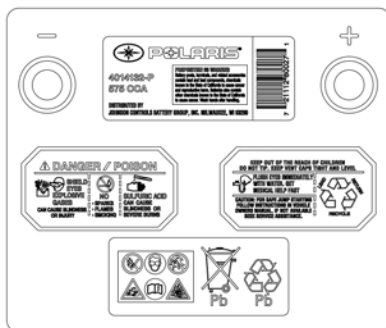
CONVENTIONAL BATTERY

- The battery is NOT activated when packaged
- Distilled water and electrolyte added as required
- Removable cap plugs located on top of battery
- Vent tube located on side of battery



LOW MAINTENANCE BATTERY

- Battery activated when packaged
- Distilled water and electrolyte NEVER added
- Non removable cap(s) located on top of battery



MAINTENANCE

LEAD ACID CONVENTIONAL / DRY SHIPPED AGM BATTERY BEST PRACTICES

Some Polaris ORV models include either a Lead Acid Conventional battery or a Dry Shipped Absorbed Glass Mat (AGM) battery. See the Service Manual for procedures on how to activate, charge, maintain, and test a Lead Acid Conventional or Dry Shipped AGM battery.

NOTICE

Using a new battery that has not been fully charged can damage the battery and result in a shorter life. It can also hinder vehicle performance.

LEAD ACID CONVENTIONAL BATTERIES

ACTIVATION

NOTE

A Polaris battery purchased from a Polaris dealership should be activated at time of purchase by the dealer.

- Do NOT activate the battery unless it will be put into regular service within 30 days. Bulk acid should be used to activate the battery.
- Always remove the sealing cap from the vent elbow before activating the battery. Never put the sealing cap back onto the battery. The gas pressure can cause the battery to rupture.
- Let the battery sit for 30 minutes after you add the initial electrolyte. Once absorbed, fill the battery with additional electrolyte to the upper line of the electrolyte level indicator. This is the only time that electrolyte should be added to the battery.
- Once the battery is fully charged, replace cap plugs by hand. Do NOT use a tool to install the cap plugs.

CHARGING

- The battery must be fully charged before use or battery life will be significantly reduced by 10-30% of the battery's full potential.
- Nominal voltage is 12.6 to 12.8 Volts when fully charged. If the voltage falls below 12.5V, charge it immediately, or the battery service life and vehicle performance may be affected.
- Polaris recommends using a BatteryMINDER® 12V 1.5 AMP Convertible (**PN 2830511**) charger (or a similar charger), which can be ordered through your normal parts channel.
- Charge the battery with a charging output no larger than 10% of the battery's amp-hour rating.

MAINTENANCE

- Recharge the battery to its full capacity every 30 to 60 days.
- If the battery is stored or used in a partially charged condition, battery service life and vehicle performance may be adversely affected.
- Never add any electrolyte to the battery once the battery is in service. After the battery is initially activated, only distilled water should be added to maintain electrolyte levels.
- Store the battery in the vehicle with the cables disconnected, or store the battery in a cool / dry location. Batteries will self discharge more rapidly when stored in extreme temperatures.

TESTING

- If the test fails, fully charge the battery.
- Proper load testing of the battery requires special equipment and can be performed by your dealer.

DRY SHIPPED AGM BATTERIES

ACTIVATION

- Do NOT activate the battery unless it will be put into regular service within 30 days. Only use the electrolyte container supplied with the battery to activate the battery.
- Keep the electrolyte container in place for 20 minutes or longer until the container is completely empty. If necessary, gently tap the container to empty it.
- Once the battery is fully charged, replace the strip of caps by hand. Do NOT use a tool to install the strip.

CHARGING

- Polaris recommends using a BatteryMINDER® 2012 AGM - 2 AMP (**PN 2830438**) charger, which can be ordered through your normal parts channel.
- Nominal voltage is 12.8 Volts when fully charged. If the voltage falls below 12.5V, charge it immediately, or the battery runs the risk of sulfation.

MAINTENANCE

- Never add any electrolyte or distilled water to the battery once the battery is in service.
- If you do not drive the vehicle for more than TWO weeks, maintain the battery with the BatteryMINDER® 2012 AGM - 2 AMP (**PN 2830438**) charger.
- If you plan to store the vehicle for ONE month or longer, remove the battery from the vehicle and store the battery in a cool / dry location. Continue to maintain the battery with the BatteryMINDER® 2012 AGM - 2 AMP (**PN 2830438**) charger and inspect the battery every 60 days.

MAINTENANCE

TESTING

- If the test fails, fully charge the battery.
- If the battery is too low to accept a charge, see the AGM Battery Charging - Deeply Discharged (Below 3 Volts) procedure in the Service Manual.
- Proper load testing of the battery requires special equipment and can be performed by your dealer.

LOW MAINTENANCE BATTERY BEST PRACTICES

Some Polaris ORV models include either a Lead Acid or Absorbed Glass Mat (AGM) Low Maintenance battery. See the Service Manual for procedures on how to charge, maintain, and test a Lead Acid or AGM Low Maintenance battery.

NOTICE

Using a new battery that has not been fully charged can damage the battery and result in a shorter life. It can also hinder vehicle performance.

LEAD ACID LOW MAINTENANCE BATTERY

CHARGING

- The battery must be fully charged before use or battery life will be significantly reduced by 10-30% of the battery's full potential.
- Nominal voltage is 12.6 to 12.8 Volts when fully charged. If the voltage falls below 12.5V, charge it immediately, or the battery service life and vehicle performance may be affected.
- Polaris recommends using a BatteryMINDER® 12V 1.5 AMP Convertible (**PN 2830511**) charger (or a similar charger), which can be ordered through your normal parts channel.
- Charge the battery with a charging output no larger than 10% of the battery's amp-hour rating.

MAINTENANCE

- Recharge the battery to its full capacity every 30 to 60 days.
- If the battery is stored or used in a partially charged condition, hard crystal sulfation will form on the plates, reducing the efficiency and service life of the battery.
- Never add electrolyte or distilled water to the battery. Doing so will damage the case and shorten the life of the battery.
- Store the battery in the vehicle with the cables disconnected, or store the battery in a cool / dry location. Batteries will self discharge more rapidly when stored in extreme temperatures.

TESTING

- Test the battery using the PU-50296 battery tester.
- Proper load testing of the battery requires special equipment and can be performed by your dealer.

AGM LOW MAINTENANCE BATTERIES

CHARGING

- Polaris recommends using a BatteryMINDER® 2012 AGM - 2 AMP (**PN 2830438**) charger, which can be ordered through your normal parts channel.
- Nominal voltage is 12.6–12.8 Volts when fully charged. If the voltage falls below 12.5V, charge it immediately, or the battery runs the risk of sulfation.

MAINTENANCE

- Never add electrolyte or distilled water to the battery. Doing so will damage the case and shorten the life of the battery.
- If you do not drive the vehicle for more than TWO weeks, maintain the battery with the BatteryMINDER® 2012 AGM - 2 AMP (**PN 2830438**) charger.
- If you plan to store the vehicle for ONE month or longer, remove the battery from the vehicle and store the battery in a cool / dry location. Continue to maintain the battery with the BatteryMINDER® 2012 AGM - 2 AMP (**PN 2830438**) charger and inspect the battery every 60 days.

TESTING

- If the test fails, fully charge the battery.
- If the battery is too low to accept a charge, see the AGM Battery Charging - Deeply Discharged (Below 3 Volts) procedure in the Service Manual.
- Proper load testing of the battery requires special equipment and can be performed by your dealer.

MAINTENANCE

CAMBER AND CASTER

The camber and caster are non-adjustable.

REAR SPRING

The rear shock absorber spring is adjusted by rotating the adjuster either clockwise or counter-clockwise to increase or decrease spring tension.

Accessory springs are available through your POLARIS dealer.

HANDLEBARS

The handlebars can be adjusted for rider preference.

WARNING

Improper adjustment of the handlebars or incorrect torquing of the adjuster block tightening bolts can cause limited steering or loosening of the handlebars, resulting in loss of control and serious injury or death. Follow the adjustment procedures exactly, or see your POLARIS dealer for service.

1. Remove the upper headlight pod.
2. Loosen the four handlebar bolts.
3. Adjust the handlebar to the desired height. Be sure the handlebars do not contact the gas tank or any other part of the machine when turned fully to the left or right.
4. Torque the front two bolts to specification, then torque the rear two bolts. A gap of up to 1/8" (3 mm) will remain at the rear of the clamp blocks.

TORQUE

Handlebar bolts: 14 ft-lbs +/- 10% (19 Nm +/- 10%)

5. Reinstall the headlight pod.

CLEANING AND STORAGE

WASHING THE VEHICLE

NOTICE

The use of a high pressure washer may damage the instrument cluster. Wash the vehicle by hand or with a garden hose using mild soap. Do not use alcohol to clean the instrument cluster. Do not allow insect sprays to contact the lens. Immediately clean off any gasoline that splashes on the instrument cluster.

If a high pressure water system is used for cleaning (not recommended), exercise extreme caution. The water may damage components and could remove paint and decals. Avoid directing the water stream at the following items:

- Wheel bearings
- Radiator
- Transmission seals
- Cab and body panels
- Electrical components
- Switches and controls
- Fuel system components
- Labels and decals

If an informational or graphic label becomes illegible or comes off, contact your POLARIS dealer to purchase a replacement. Replacement *safety* labels are provided by POLARIS at no charge.

Grease all zerk fittings immediately after washing. Allow the engine to run for a while to evaporate any water that may have entered the engine or exhaust system.

WASHING TIPS

- Avoid the use of harsh cleaners, which can scratch the finish.
- Do not use a power washer to clean the vehicle.
- Do not use medium to heavy duty compounds on the finish.
- Always use clean cloths and pads for cleaning and polishing. Old or reused cloths and pads may contain dirt particles that will scratch the finish.

POLISHING THE VEHICLE

POLARIS recommends the use of common household aerosol furniture polish for polishing the finish on your POLARIS vehicle. Follow the instructions on the container.

MAINTENANCE

POLISHING TIPS

- Avoid the use of automotive products, some of which can scratch the finish of your vehicle.
- Always use clean cloths and pads for cleaning and polishing. Old or reused cloths and pads may contain dirt particles that will scratch the finish.

STORAGE TIPS

NOTICE

Starting the engine during the storage period will disturb the protective film created by fogging and damage could occur. Never start the engine during the storage period.

CLEAN THE EXTERIOR

Make any necessary repairs and clean the vehicle as recommended. See the Washing the Vehicle section.

STABILIZE THE FUEL

1. Fill the fuel tank.
2. Add POLARIS Carbon Clean Fuel Treatment or POLARIS Fuel Stabilizer or equivalent fuel treatments or stabilizers. Follow the instructions on the container for the recommended amount. Carbon Clean removes water from fuel systems, stabilizes fuel and removes carbon deposits from pistons, rings, valves and exhaust systems.
3. Allow the engine to run for 15-20 minutes to allow the stabilizer to disperse through the entire fuel delivery system.

OIL AND FILTER

Change the oil and filter. See the Engine Oil section.

AIR FILTER / AIR BOX

Replace the air filter. See Maintenance Chapter. Clean the air box.

FLUID LEVELS

Inspect the fluid levels. Add or change fluids as recommended in the Periodic Maintenance Chart.

- Demand drive fluid (front gearcase)
- Rear gearcase fluid (if equipped)
- Transmission fluid

- Brake fluid (change every two years and any time the fluid looks dark or contaminated)
- Coolant (test strength/fill)

INSPECT AND LUBRICATE

Inspect all cables and lubricate all areas of the vehicle as recommended in the Periodic Maintenance Chart.

FOG THE ENGINE

1. Treat the fuel system with POLARIS Carbon Clean or other equivalent fuel treatment. Follow the instructions on the container. Start the engine. Allow it to idle for several minutes so the Carbon Clean reaches the injectors. Stop the engine.
2. Remove the spark plugs and add 1–1.5 oz. (29.5–44 cc.) of engine oil. To access the plug holes, use a section of clear 6 mm (1/4") hose and a small plastic squeeze bottle filled with the pre-measured amount of oil. *Do this carefully! If you miss the plug holes, oil will drain from the spark plug cavities into the hole at the front of the cylinder head, and appear to be an oil leak.*
3. Reinstall the spark plugs. Torque to specification.
4. Apply dielectric grease to the inside of each spark plug cap. *Do not reinstall the cap onto the plug at this step.*
5. Turn the engine over several times. Oil will be forced in and around the piston rings and ring lands, coating the cylinder with a protective film of fresh oil.
6. Reinstall the spark plug caps.
7. If POLARIS fuel system additive is not used, fuel tank, fuel lines, and injectors should be completely drained of gasoline.

BATTERY MAINTENANCE

See the **Battery Storage** and **Battery Charging** sections for storage and charging procedures.

STORAGE AREA / COVERS

Be sure the storage area is well ventilated. Cover the vehicle with a genuine POLARIS cover. Do not use plastic or coated materials. They do not allow enough ventilation to prevent condensation, and may promote corrosion and oxidation.

SPECIFICATIONS

SPORTSMAN 570 / 570 EPS

SPORTSMAN 570 / 570 EPS	
Maximum Weight Capacity	220 kg (485 lbs.) (operator, cargo, accessories)
Dry Weight	570: 332 kg (732 lbs.) 570 EPS: 341 kg (752 lbs.)
Fuel Capacity	17 l (4.5 gal.)
Engine Oil Capacity	1.9 l (2 qts.)
Coolant Capacity	2.5 l (2.7 qts.)
Demand Drive Fluid Capacity	265 ml (9 oz.)
Transmission Oil Capacity	948 ml (32 oz.)
Front Rack/Storage Box Capacity	41 kg (90 lbs.)
Rear Rack Capacity	82 kg (181 lbs.)
Maximum Vertical Load	1400 N
Maximum Drawbar Pull (Ground Level)	3700 N
Overall Length	211 cm (83 in.)
Overall Width	122 cm (48 in.)
Overall Height	141 cm (55,5 in.) (570) 145 cm (57 in.) (570 SP)
Wheelbase	129.3 cm (50.9 in.) (570) 131.5 cm (51.7 in.) (570 LE)
Ground Clearance	30 cm (11,8 in.) (570) 34 cm (13,4 in.) (570 LE)
Minimum Turning Radius	165 cm (65 in.) unloaded
Engine	Dual overhead cam, 4 valve 4 stroke single cylinder
Displacement	567 cc
Bore x Stroke	99mm x 73.6mm
Alternator Output	660 W @ 5000 RPM
Compression Ratio	10:1

SPECIFICATIONS

SPORTSMAN 570 / 570 EPS	
Starting System	Electric
Ignition System	ECU
Idle RPM	1200 +/- 50
Spark Plug Type / Gap	MR7F / 0.7-0.8 mm
Lubrication System	Wet Sump
Driving System Type	Automatic PVT (POLARIS Variable Transmission)
Front Suspension	MacPherson Ride® strut with 8.2" (21 cm) travel
Rear Suspension	Linear rate with 9.5" (24 cm) travel
Transmission	H/L/N/R/P
Gear Reduction, Low	23.91:1
Gear Reduction, Reverse	21.74:1
Gear Reduction, High	11.12:1 (EBS Models) 9.75:1 (Non-EBS Models)
Drive Ratio, Front	3.82:1
Tires/Pressure, Front	25x8-12 38K / 7 psi (48.3 kPa / 0.48 Bar) (570) 26x8-14 43M / 7 psi (48.3 kPa / 0.48 Bar) (570 SP)
Tires/Pressure, Rear	25x11-12 47K / 7 psi (48.3 kPa) (570) 26x10-14 54M / 7 psi (48.3 kPa) (570 SP)
Brakes, Service Front/Rear	Hand-Control Hydraulic Disc
Brakes, Auxiliary Front/Rear	Foot-Activated Hydraulic Disc
Headlight	1 Single Beam on Headlight Pod (50 watt) 2 Single Beam on Bumper (50 watt)
Brake Light / Taillights	Dual LED Brakelights (8.26 watts) / Taillights (26.9 watts)
Instrument Cluster	LCD
Driver's Exposure to Noise Level	79,6 dB(A)

CLUTCHING

ALTITUDE		SHIFT WEIGHT	DRIVE CLUTCH SPRING	DRIVEN CLUTCH SPRING	HELIX*
Meters (Feet)	0-1800 (0-6000)	25-52G PN 5632409	EBS Black PN 7043595 NON-EBS Black PN 7043594	EBS RED PN 3234452 NON-EBS PN 7041782	EBS PN 3224356 NON-EBS PN 5132344
	1800-3700 (6000-12000)	25-48 PN 5633217	Black PN 7043594	Non-EBS Red PN 3234451	Non-EBS PN 5132344
*EBS models require no helix/spring adjustment					

POLARIS PRODUCTS

LUBRICANTS / SERVICE PRODUCTS

PRODUCT	SIZE (QUANTITY)	QUANTITY	PART NUMBER
Fogging Oil	12 fl oz (355 mL) aerosol	12	2870791
	1 qt (0.95 L)	12	2871517
PS-4	1 qt (0.95 L)	12	2876244
	2 qt (1.90 L)	8	2877490
	1 gal (3.8 L)	4	2876245
PS-4 Extreme Duty	1 qt (0.95 L)	12	2878920
	2 qt (1.90 L)	8	2878922
	1 gal (3.8 L)	4	2878919
AGL	1 qt (0.95 L)	12	2878068
	1 gal (3.8 L)	4	2878069
Pump for Gallon Jug	—	1	2870465
Demand Drive	1 qt (0.95 L)	12	2877922
	2.5 gal (9.5 L)	2	2877923
Antifreeze / Coolant	1 qt (0.95 L)	12	2880514
	1 gal (3.8 L)	6	2880513
Grease Gun Kit, Premium All Season	—	1	2871312
All Season Grease	Four 3 fl oz (89 mL) packs	6	2871322
	14 fl oz (414 mL) cartridge	1	2871423
Premium Starter Grease	—	1	2871460
U-Joint Grease	3 fl oz (89 mL) tube	24	2871515
	14 fl oz (414 mL) cartridge	1	2871551
Dielectric Grease (Nyogel®)	—	1	2871329
Carbon Clean	12 fl oz (355 mL) bottle	12	2871326
Fuel Stabilizer	16 fl oz (473 mL)	12	2870652

POLARIS PRODUCTS

PRODUCT	SIZE (QUANTITY)	QUANTITY	PART NUMBER
	2.5 gal (9.5 L)	2	2872280
DOT 4 Brake Fluid	—	1	2872189
Loctite® 565 Thread Sealant	—	1	2871956
BatteryMINDER® 2012 AGM - 2 AMP Charger	—	1	2830438

TROUBLESHOOTING

DIAGNOSTIC DISPLAY CODE DEFINITIONS

Open Load: There is a break in the wires that lead to the item listed in the chart (injector, fuel pump, etc.), or the item has failed.

Short-to-Ground: The wire is shorted to ground between the electronic control unit and the item listed in the chart.

Shorted Load: The wires leading to the item listed in the chart are shorted together, or the item has shorted internally.

Short-to-Battery: The wire leading from the item listed in the chart to the electronic control unit is shorted to a wire at battery voltage.

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
Accelerator Position 2	Data Valid But Above Normal Operational Range	29	0
	Not Plausible		2
	Voltage Too High		3
	Voltage Too Low		4
Throttle Position Sensor 1	Data Valid But Above Normal Operational Range	51	0
	Data Valid But Below Normal Operational Range		1
	Signal Out of Range		2
	Voltage Too High		3
	Voltage Too Low		4
	Abnormal Rate Of Change		10
	Out Of Calibration		13
Vehicle Speed Sensor	Data Valid But Above Normal Operational Range	84	0
	Data Valid But Below Normal Operational Range		1

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Erratic or Intermittent (or missing)		2
	Voltage Too High		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Abnormal Frequency Or Pulse Width Or Period		8
	Abnormal Update Rate		9
	Abnormal Rate Of Change		10
	Bad Intelligent Device Or Component		12
	Received Vehicle Speed Has Error		19
Accelerator Position 1	Voltage Too High	91	3
	Voltage Too Low		4
Fuel Level Signal	Data Erratic, Intermittent Or Incorrect	96	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Too Low		4
	Data Valid But Above Normal Operating Range		16
	Data Valid But Below Normal Operating Range		18
Engine Oil Pressure	Data Valid But Below Normal Operational Range - Most Severe Level	100	1

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Erratic, Intermittent Or Incorrect		2
	Current Below Normal Or Open Circuit		5
	Bad Intelligent Device Or Component		12
	Data Valid But Below Normal Operating Range - Least Severe Level		17
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
Manifold Absolute Pressure Sensor	Data Erratic, Intermittent Or Incorrect	102	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Too Low		4
	Mechanical System Not Responding Or Out Of Adjustment		7
	Abnormal Rate Of Change		10
Intake Air Temperature Sensor (T-MAP)	Data Valid But Above Normal Operational Range - Most Severe Level	105	0
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Too High		3
	Voltage Too Low		4
	Abnormal Rate Of Change		10

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Valid But Above Normal Operating Range		15
Intake Air Pressure Sensor	Data Valid But Above Normal Operational Range	106	0
	Data Valid But Below Normal Operational Range		1
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Too High		3
	Voltage Too Low		4
Barometric Pressure Sensor	Data Erratic, Intermittent Or Incorrect	108	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Abnormal Rate Of Change		10
Engine Temperature Sensor	Engine Overheat Shutdown	110	0
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Too High		3
	Voltage Too Low		4
	Abnormal Rate Of Change		10
	Data Valid But Above Normal Operating Range		15

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Temperature Too High		16
	Data Valid But Below Normal Operating Range		17
	Received Network Data In Error		19
Battery Potential	Voltage Above Normal, Or Shorted To High Source	158	3
	Voltage Below Normal, Or Shorted To Low Source		4
Transmission Range	Invalid	162	2
Alternator Power Supply Potential	Data Valid But Above Normal Operational Range - Most Severe Level	167	0
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Data Valid But Above Normal Operating Range - Moderately Severe Level		16
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
System Power	Data Valid But Above Normal Operational Range - Most Severe Level	168	0

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Too High		3
	Voltage Too Low		4
	Data Valid But Above Normal Operating Range - Moderately Severe Level		16
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
Engine Speed	Data Valid But Above Normal Operational Range - Most Severe Level	190	0
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Data Erratic, Intermittent Or Incorrect		2
	Mechanical System Not Responding Or Out Of Adjustment		7
	Received Engine Speed Has Error		19
	Error in Engine Speed Computation		31
Gear Sensor Signal	Data Erratic, Intermittent Or Incorrect	523	2
	Voltage Above Normal, Or Shorted To High Source		3

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Voltage Too Low		4
	Abnormal Update Rate		9
	Root Cause Not Known		11
Transmission Requested Gear	Received Network Data In Error	525	19
Cruise Control Panel Switches	Condition Exists	527	31
Brake Switch	Data Erratic, Intermittent Or Incorrect	597	2
	Abnormal Update Rate		9
	Abnormal Rate Of Change		10
	Received Network Data In Error		19
System Voltage	Data Valid But Above Normal Operating Range - Least Severe Level	627	15
	Data Valid But Below Normal Operating Range - Least Severe Level		17
ECU Memory	Bad Intelligent Device Or Component	628	12
	Out Of Calibration		13
Calibration	Out Of Calibration	630	13
	Checksum/CRC Error		19
Crankshaft Position Sensor	Plausibility Fault	636	2
	Abnormal Frequency Or Pulse Width Or Period		8
Camshaft Position Sensor	Mechanical System Not Responding Or Out Of Adjustment	637	7

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Abnormal Frequency Or Pulse Width Or Period		8
Injector 1 (MAG)	Voltage Below Normal / Shorted To Low Source / Driver Circuit Grounded.	651	4
	Current Below Normal / Open Circuit / Driver Circuit Open / Grounded		5
Injector 2 (PTO)	Voltage Above Normal, Or Shorted To High Source / Driver Circuit Short to B+	652	3
	Voltage Below Normal, Or Shorted To Low Source / Driver Circuit Grounded		4
	Current Below Normal Or Open Circuit / Driver Circuit Open / Grounded		5
Starter Solenoid Driver Circuit	Voltage Above Normal, Or Shorted To High Source	677	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Rear Differential Output (Turf)	Driver Circuit Short to B+	746	3
	Driver Circuit Grounded		4
	Driver Circuit Open / Grounded		5
Fan Relay Driver Circuit	Voltage Above Normal	1071	3
	Voltage Below Normal		4

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Current Below Normal Or Open Circuit		5
Ignition Coil Primary Driver 1 (MAG)	Voltage Above Normal	1268	3
	Voltage Below Normal		4
	Current Below Normal Or Open Circuit		5
Ignition Coil Primary Driver 2 (PTO)	Voltage Above Normal	1269	3
	Voltage Below Normal		4
	Current Below Normal Or Open Circuit		5
Starter Enable Circuit	Voltage Above Normal	1321	3
	Voltage Below Normal		4
	Current Below Normal Or Open Circuit		5
Fuel Pump Driver Circuit	Voltage Above Normal	1347	3
	Voltage Below Normal		4
	Current Below Normal Or Open Circuit		5
	Abnormal Frequency Or Pulse Width Or Period		8
EFI Relay Control Circuit	Voltage Above Normal	1485	3
	Voltage Below Normal		4
	Current Below Normal Or Open Circuit		5
Fan Driver 2	Voltage Above Normal	1557	3

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
PTO Solenoid Driver Circuit	Voltage Above Normal, Or Shorted To High Source	1888	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Vehicle Speed	Data Valid But Above Normal Operating Range - Moderately Severe Level	2590	16
Oxygen Sensor Bank 1 Sensor 1	Data Erratic, Intermittent Or Incorrect	3056	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Bad Intelligent Device Or Component		12
	Data Valid But Below Normal Operating Range - Least Severe Level		17
Oxygen Sensor Bank 1 Sensor 2	Data Erratic, Intermittent Or Incorrect	3057	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
ECU Output Supply Voltage 1	Data Valid But Above Normal Operational Range - Most Severe Level	3597	0
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Data Valid But Above Normal Operating Range - Moderately Severe Level		16
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
ECU Output Supply Voltage 2	Data Valid But Above Normal Operational Range - Most Severe Level	3598	0
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Data Valid But Above Normal Operating Range - Moderately Severe Level		16
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
ECU Output Supply Voltage 3	Data Valid But Above Normal Operational Range - Most Severe Level	3599	0
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Data Valid But Above Normal Operating Range - Moderately Severe Level		16
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
CAN1 Bus Hardware	Root Cause Not Known	65559	11
	Condition Exists		31
ETC Accelerator Position Sensor Correlation	Data Erratic, Intermittent Or Incorrect	65613	2
Cylinder Misfire	Mechanical System Not Responding Or Out Of Adjustment	65590	7
Cylinder 1 Misfire	Mechanical System Not Responding Or Out Of Adjustment	65591	7
ETC Accelerator Position Sensor Outputs 1 & 2 Correlation	Data Erratic, Intermittent Or Incorrect	65613	2
CAN 1	Abnormal Update Rate	516125	9
Idle Engine speed	Received Network Data In Error	516178	19

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
Winch In Commanded State	Data Valid But Below Normal Operational Range - Most Severe Level	516246	1
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
Winch Out Commanded State	Voltage Above Normal, Or Shorted To High Source	516247	3
	Voltage Below Normal, Or Shorted To Low Source		4
Winch Auto Stop Signal	Voltage Below Normal, Or Shorted To Low Source	516248	4
Plowing In High Range	Data Valid But Above Normal Operating Range - Moderately Severe Level	516249	16
CAN1 Bus Wiring	Condition Exists	520141	31
Throttle Release Signal	Data Erratic, Intermittent Or Incorrect	520194	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Mechanical System Not Responding Or Out Of Adjustment		7
Throttle Position Sensor 2	Data Valid But Above Normal Operational Range - Most Severe Level	520198	0

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Abnormal Rate Of Change		10
	Out Of Calibration		13
Canister Purge Valve	Voltage Above Normal, Or Shorted To High Source	520202	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Front Wheel Back Drive (Active Descent System)	Voltage Above Normal, Or Shorted To High Source	520203	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Fuel Correction Front	Data Valid But Above Normal Operating Range - Least Severe Level	520204	15
	Data Valid But Below Normal Operating Range - Least Severe Level		17
Fuel Correction Rear	Data Valid But Above Normal Operating Range - Least Severe Level	520205	15

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Valid But Below Normal Operating Range - Least Severe Level		17
Reverse Alarm	Data Erratic, Intermittent Or Incorrect	520206	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
All Wheel Drive Control Circuit	Voltage Above Normal, Or Shorted To High Source	520207	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Chassis Relay	Voltage Above Normal, Or Shorted To High Source	520208	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Idle Speed	Voltage Above Normal, Or Shorted To High Source	520211	3
	Voltage Below Normal, Or Shorted To Low Source		4
Accessory Relay	Voltage Above Normal, Or Shorted To High Source	520219	3

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Battery Charge Relay	Voltage Above Normal, Or Shorted To High Source	520220	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Steering Over Current Shut Down	Current Above Normal Or Grounded Circuit	520221	6
	Bad Intelligent Device Or Component		12
Steering Excessive Current Error	Current Above Normal Or Grounded Circuit	520222	6
Steering Torque Partial Failure	Condition Exists	520223	31
Steering Torque Full Failure	Condition Exists	520224	31
EPS Inverter Temperature	Data Valid But Above Normal Operational Range - Most Severe Level	520225	0
	Bad Intelligent Device Or Component		12
	Data Valid But Above Normal Operating Range - Moderately Severe Level		16
EPS Communications Receive Data Error	Data Erratic, Intermittent Or Incorrect	520226	2
	Condition Exists		31

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
EPS CAN Communications Transmit Error	Data Erratic, Intermittent Or Incorrect	520227	2
Position Encoder Error	Root Cause Not Known	520228	11
	Bad Intelligent Device Or Component		12
	Condition Exists		31
Software Error	Bad Intelligent Device Or Component	520229	12
	Condition Exists		31
IC CAN Communication with EPS	Condition Exists	520230	31
EPS Power Save Condition	Condition Exists	520231	31
Fuel Pull Solenoid Relay Driver Circuit (Low Side)	Voltage Above Normal, Or Shorted To High Source	520273	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Accelerator Position/Brake Position Interaction	Condition Exists	520275	31
Throttle Position Sensor (1 or 2 Indeterminable)	Data Erratic, Intermittent Or Incorrect	520276	2
	Bad Intelligent Device Or Component		12
Throttle Body Control - Power Stage	Data Erratic, Intermittent Or Incorrect	520277	2
	Voltage Above Normal, Or Shorted To High Source		3

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Voltage Below Normal, Or Shorted To Low Source		4
	Abnormal Frequency Or Pulse Width Or Period		8
	Condition Exists		31
Throttle Body Control - Return Spring Check Failed	Condition Exists	520278	31
Throttle Body Control - Adaption Aborted	Condition Exists	520279	31
Throttle Body Control - Limp Home Position Check Failed	Condition Exists	520280	31
Throttle Body Control - Mechanical Stop Adaptation Failure	Condition Exists	520281	31
Throttle Body Control - Repeated Adaptation Failed	Condition Exists	520282	31
Throttle Body Control	Data Erratic, Intermittent Or Incorrect	520283	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
Throttle Body Control - Position Deviation Fault	Condition Exists	520284	31
Brake Switch (1 or 2 Indeterminable)	Data Erratic, Intermittent Or Incorrect	520285	2
ECU Monitoring Error	Condition Exists	520286	31
ECU Monitoring Error (Level 3)	Condition Exists	520287	31

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
ECU Monitoring of Injection Cut Off (Level 1)	Condition Exists	520288	31
ECU Monitoring of Injection Cut Off (Level 2)	Condition Exists	520289	31
Throttle Body Control - Requested Throttle Angle Not Plausible	Condition Exists	520305	31
ECU ADC Fault - No Load	Condition Exists	520306	31
ECU ADC Fault - Voltage	Condition Exists	520307	31
Accelerator Sensor Sync Fault - Sensor Diff Exceeds Limit	Condition Exists	520308	31
ECU Fault - ICO	Condition Exists	520309	31
ECU Fault - Hardware Disruption	Condition Exists	520311	31
Idle Fuel Correction Bank 1	Data Valid But Above Normal Operating Range - Least Severe Level	520342	15
Idle Fuel Correction Bank 2	Data Valid But Above Normal Operating Range - Least Severe Level	520343	15
	Data Valid But Below Normal Operating Range - Least Severe Level		17
Adaptive Fuel Correction Bank 1	Data Valid But Above Normal Operating Range - Least Severe Level	520344	15
	Data Valid But Below Normal Operating Range - Least Severe Level		17
Internal fault - Chassis Output Disabled	Condition Exists	520376	31

TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
Non Functional Application SW Installed	Condition Exists	520381	31
Stator	Voltage Below Normal, Or Shorted To Low Source	520498	4
	Current Below Normal Or Open Circuit		5
Display Relay	Current Below Normal Or Open Circuit	520522	5
Drive Mode Select Switch	Data Erratic, Intermittent Or Incorrect	524067	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
Operator Presence Switch	Voltage Above Normal, Or Shorted To High Source	524070	3
EPS Fault Lamp Driver Circuit	Bad Intelligent Device Or Component	524085	12
EPS SEPIC Voltage Error	Voltage Above Normal, Or Shorted To High Source	524086	3
	Voltage Below Normal, Or Shorted To Low Source		4

DRIVE BELT WEAR/BURN

POSSIBLE CAUSE	SOLUTION
Driving onto a pickup or tall trailer in high range	Use low range during loading.
Starting out going up a steep incline	Use low range.

TROUBLESHOOTING

POSSIBLE CAUSE	SOLUTION
Driving at low RPM or ground speed – 3–7 mph (4.8–11.3 km/h)	Drive at a higher speed or use low range more frequently.
Insufficient warm-up at low ambient temperatures	Warm the engine at least 5 minutes. With the transmission in neutral, advance the throttle to about 1/8 throttle in short bursts, 5 to 7 times. The belt will become more flexible and prevent belt burning.
Slow/easy clutch engagement	Use the throttle quickly and effectively.
Towing/pushing at low RPM/low ground speed	Use low range only.
Utility use/plowing	Use low range only.
Stuck in mud or snow	Shift the transmission to low range and carefully use fast, aggressive throttle application to engage clutch. WARNING: Excessive throttle may cause loss of control and vehicle rollover.
Climbing over large objects from a stopped position	Shift the transmission to low range and carefully use fast, brief, aggressive throttle application to engage clutch. WARNING: Excessive throttle may cause loss of control and vehicle rollover.
Belt slippage from water or snow ingestion into the PVT system	Dry out the PVT. Prevent water from entering the PVT intake duct. See Intake Pre-Filters for more information. Inspect clutch seals for damage if repeated leaking occurs.
Clutch malfunction	An authorized dealer can assist.
Poor engine performance	Check for clogged air filter, clogged fuel filter, water in the fuel or foreign material in fuel tank or fuel lines. An authorized dealer can assist.
Slippage from failure to warm up belt	Always warm up the belt by operating below 30 mph (48 km/h) for 1 miles (1.6 km) (5 miles (8 km) or more when temperature is below freezing).
Wrong or missing belt	Install the recommended belt.
Improper break-in	Always break in a new belt and/or clutch.

TROUBLESHOOTING

ENGINE DOESN'T TURN OVER

POSSIBLE CAUSE	SOLUTION
Low battery voltage	Recharge the battery.
Loose battery connections	Check all connections and tighten.
Loose solenoid connections	Check all connections and tighten.
Loose electronic control box connections	Inspect, clean, reinstall connectors.

ENGINE TURNS OVER, FAILS TO START

POSSIBLE CAUSE	SOLUTION
Out of fuel	Refuel.
Water is present in fuel	Drain the fuel system and refuel.
Old or non-recommended fuel	Replace with fresh recommended fuel.
Fouled or defective spark plug	Inspect plug and replace if necessary.
No spark to spark plug	Inspect plug and replace if necessary.
Water or fuel in crankcase	Your authorized dealer can assist.
Low battery voltage	Recharge the battery to 12.8 VDC.
Mechanical failure	Your authorized dealer can assist.

ENGINE BACKFIRES

POSSIBLE CAUSE	SOLUTION
Weak spark from spark plug	Inspect, clean and/or replace spark plug
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Old or non-recommended fuel	Replace with fresh recommended fuel
Incorrectly installed spark plug wires	Your authorized dealer can assist

POSSIBLE CAUSE	SOLUTION
Mechanical failure	Your authorized dealer can assist
Loose ignition connections	Check all connections and tighten
Water present in fuel	Replace with fresh recommended fuel

ENGINE PINGS OR KNOCKS

POSSIBLE CAUSE	SOLUTION
Poor quality or low octane fuel	Replace with recommended fuel
Incorrect spark plug gap or heat range	Set gap to specs or replace plug

ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES

POSSIBLE CAUSE	SOLUTION
Fouled or defective spark plug	Inspect, clean and/or replace spark plug
Worn or defective spark plug wires	Your authorized dealer can assist
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Loose ignition connections	Check all connections and tighten
Water present in fuel	Replace with new fuel
Low battery voltage	Recharge battery to 12.8 VDC
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Clogged intake pre-filter	Inspect and clean (with soapy water) or replace
Other mechanical failure	Your authorized dealer can assist

ENGINE STOPS OR LOSES POWER

POSSIBLE CAUSE	SOLUTION
Out of fuel	Refuel
Kinked or plugged fuel vent line	Inspect and replace
Water is present in fuel	Replace with new fuel
Fouled or defective spark plug	Inspect, clean and/or replace spark plug
Worn or defective spark plug wires	Your authorized dealer can assist
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Loose ignition connections	Check all connections and tighten
Low battery voltage	Recharge the battery
Incorrect fuel	Replace with fresh recommended fuel
Clogged air filter	Inspect and clean or replace
Clogged intake pre-filter	Inspect and clean (with soapy water) or replace
Other mechanical failure	Your authorized dealer can assist
Overheated engine	Clean radiator screen and core, clean engine exterior, and check coolant level. Your dealer can assist.

WARRANTY

LIMITED WARRANTY

POLARIS Industries Inc., 2100 Highway 55, Medina, MN 55340 (POLARIS) gives a SIX MONTH LIMITED WARRANTY on all components of your POLARIS vehicle against defects in material or workmanship. Laws and regulations in your jurisdiction may give extra protection. POLARIS further warrants that the spark arrester in this product will meet the efficiency requirements of USFS standard 5100-1C for at least 1000 hours when subjected to normal use and when maintenance and installation are in accordance with POLARIS recommendations.

This warranty covers parts and labor charges for repair or replacement of defective parts and begins on the date of purchase by the original retail purchaser. This warranty is transferable to another owner during the warranty period through a POLARIS dealer, or other qualified person, but any such transfer will not extend the original term of the warranty. The duration of this warranty may vary by international region based upon local laws and regulations.

REGISTRATION

At the time of sale, the Warranty Registration Form must be completed by your dealer and submitted to POLARIS within ten days of purchase. Upon receipt of this registration, POLARIS will record the registration for warranty. No verification of registration will be sent to the purchaser as the copy of the Warranty Registration Form will be your proof of warranty coverage. If you have not signed the original registration and received the customer copy, please contact your dealer immediately. **NO WARRANTY COVERAGE WILL BE ALLOWED UNLESS YOUR VEHICLE IS REGISTERED WITH POLARIS.** Initial dealer preparation and set-up of your vehicle is very important in ensuring trouble-free operation. Purchasing a machine in the crate or without proper dealer set-up will void your warranty coverage.

WARRANTY COVERAGE AND EXCLUSIONS

LIMITATIONS OF WARRANTIES AND REMEDIES

This POLARIS limited warranty excludes any failures that are not caused by a defect in material or workmanship. **THIS WARRANTY DOES NOT COVER CLAIMS OF DEFECTIVE DESIGN.** This warranty also does not cover acts of God, accidental damage, normal wear and tear, abuse or improper handling. This warranty also does not cover any vehicle, component, or part that has been altered structurally, modified, neglected, improperly maintained or used for racing, competition or purposes other than for which it was designed.

This warranty excludes damages or failures resulting from improper lubrication; improper engine timing; improper fuel; surface imperfections caused by external stress, heat, cold or contamination; operator error or abuse; improper component alignment, tension, adjustment or altitude compensation; snow, water, dirt or other foreign substance ingestion/contamination; improper maintenance; modified components; use of aftermarket or unapproved components, accessories, or attachments; use of unapproved software or calibration; unauthorized repairs; or repairs made after the warranty period expires or by an unauthorized repair center.

This warranty excludes damages or failures caused by abuse, accident, fire, or any other cause other than a defect in materials or workmanship and provides no coverage for consumable components, general wear items, or any parts exposed to friction surfaces, stresses, environmental conditions and/or contamination for which they were not designed or not intended, including but not limited to the following items:

- Wheels and tires
- Suspension components
- Brake components
- Seat components
- Clutches and components
- Steering components
- Batteries
- Light bulbs/Sealed beam lamps
- Filters
- Lubricants
- Bushings
- Finished and unfinished surfaces
- Carburetor/Throttle body components
- Engine components
- Drive belts
- Hydraulic components and fluids
- Circuit breakers/Fuses
- Electronic components
- Spark plugs
- Sealants
- Coolants
- Bearings

LUBRICANTS AND FLUIDS

1. Mixing oil brands or using non-recommended oil may cause engine damage. We recommend the use of POLARIS engine oil.
2. Damage or failure resulting from the use of non-recommended lubricants or fluids is not covered by this warranty.

This warranty provides no coverage for personal loss or expense, including mileage, transportation costs, hotels, meals, shipping or handling fees, product pick-up or delivery, replacement rentals, loss of product use, loss of profits, or loss of vacation or personal time.

THE EXCLUSIVE REMEDY FOR BREACH OF THIS WARRANTY SHALL BE, AT POLARIS' OPTION, REPAIR OR REPLACEMENT OF ANY DEFECTIVE MATERIALS, COMPONENTS, OR PRODUCTS. THE REMEDIES SET FORTH IN THIS WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON FOR BREACH OF THIS WARRANTY. POLARIS SHALL HAVE NO LIABILITY TO ANY PERSON FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF EXPRESS OR IMPLIED WARRANTY OR ANY OTHER CONTRACT, NEGLIGENCE, OR OTHER TORT OR OTHERWISE. THIS EXCLUSION OF CONSEQUENTIAL, INCIDENTAL, AND SPECIAL DAMAGES IS INDEPENDENT FROM AND SHALL SURVIVE ANY FINDING THAT THE EXCLUSIVE REMEDY FAILED OF ITS ESSENTIAL PURPOSE.

THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXCLUDED FROM THIS LIMITED WARRANTY. ALL OTHER IMPLIED WARRANTIES (INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY) ARE LIMITED IN DURATION TO THE ABOVE SIX MONTH WARRANTY PERIOD. POLARIS DISCLAIMS ALL EXPRESS WARRANTIES NOT STATED IN THIS WARRANTY. SOME STATES DO NOT PERMIT THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR ALLOW LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU IF INCONSISTENT WITH CONTROLLING STATE LAW.

WARRANTY

HOW TO OBTAIN WARRANTY SERVICE

If your vehicle requires warranty service, you must take it to a POLARIS Servicing Dealer. When requesting warranty service you must present your copy of the Warranty Registration Form to the dealer. (THE COST OF TRANSPORTATION TO AND FROM THE DEALER IS YOUR RESPONSIBILITY.) POLARIS suggests that you use your original selling dealer; however, you may use any POLARIS Servicing Dealer to perform warranty service.

IN THE COUNTRY WHERE YOUR PRODUCT WAS PURCHASED:

Warranty or Service Bulletin repairs must be done by an authorized POLARIS dealer, or other qualified person. If you move or are traveling within the country where your product was purchased, Warranty and Service Bulletin repairs may be requested from any authorized POLARIS dealer, or other qualified person, that sells the same line as your product.

OUTSIDE THE COUNTRY WHERE YOUR PRODUCT WAS PURCHASED:

If you are traveling temporarily outside the country where your product was purchased, you should take your product to an authorized POLARIS dealer, or other qualified person. You must show the dealer photo identification from the country of the selling dealer's authorized location as proof of residence. Upon residence verification, the servicing dealer will be authorized to perform the warranty repair.

IF YOU MOVE:

If you move to another country, be sure to contact POLARIS Customer Assistance and the customs department of the destination country before you move. Product importation rules vary considerably from country to country. You may be required to present documentation of your move to POLARIS in order to continue your warranty coverage. You may also be required to obtain documentation from POLARIS in order to register your product in your new country. You should warranty register your product at a local POLARIS dealer in your new country immediately after you move to continue your warranty coverage and to ensure that you receive information and notices regarding your product.

IF YOU PURCHASE FROM A PRIVATE PARTY:

If you purchase a POLARIS product from a private party, to be kept and used outside of the country in which the product was originally purchased, all warranty coverage will be denied. You must nonetheless register your product under your name and address with a local POLARIS dealer in your country to ensure that you receive safety information and notices regarding your product.

EXPORTED PRODUCTS

EXCEPT WHERE SPECIFICALLY REQUIRED BY LAW, THERE IS NO WARRANTY OR SERVICE BULLETIN COVERAGE ON THIS PRODUCT IF IT IS SOLD OUTSIDE THE COUNTRY OF THE SELLING DEALER'S AUTHORIZED LOCATION. This policy does not apply to products that have received authorization for export from POLARIS. Dealers may not give authorization for export. You should consult an authorized dealer to determine this product's warranty or service coverage if you have any questions. This policy does not apply to products registered to government officials or military personnel on assignment outside the country of the selling dealer's authorized location. This policy does not apply to Safety Bulletins.

NOTICE

If your product is registered outside of the country where it was purchased and you have not followed the procedure set above, your product will no longer be eligible for warranty or service bulletin coverage of any kind, other than safety bulletins. Products registered to government officials or military personnel on assignment outside of the country where the product was purchased will continue to be covered by the Limited Warranty.

Please work with your dealer to resolve any warranty issues. Dealership contacts can be found via this website, if needed:

www.polaris.com/en-us/contact

Should your dealer require any additional assistance, they will contact the appropriate person at POLARIS.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or in different countries. If any of the above terms are void because of federal, state, local law, all other warranty terms will remain in effect.

For questions call POLARIS Customer Assistance:

United States & Canada: 1-800-POLARIS (1-800-765-2747)

French: 1-800-268-6334

[illegible]

A

Age Restrictions	17
Air Filter	
Maintenance	139
Air Filter / Air Box	162
All Wheel Drive System	67
2X4 Mode	68
AWD Mode	67
Automatic Transmission Gear Selector	42
Auxiliary Foot Brake	40, 132
Auxiliary Outlet	70

B

Battery	150
Identification	155
Installation	151
Battery Charge Port	71
Battery Charging	153
Battery Maintenance	163
Battery Removal	150
Battery Storage	152
Bluetooth® Pairing	66
Boots	16
Brake Fluid Level	41
Brake Holding Latch	39
Brake System Break-in	77
Brakes	132
Brake Fluid	38
Brake Lever	38
Master Cylinder	38
Stuck Brake	41

C

Camber and Caster	160
Carbon dioxide (CO2) emission ..	105
Carrying More Than One Passenger on a 2-Up ATV	18
Clean the Exterior	162
Clothing	16
Cold Weather Operation	89
Cooling System	130

Crankcase Emission Control System	105
Crossing Hillsides	21

D

Declaration of Conformity	9
Descending Hills Improperly	21
Diagnostic Display Code Definitions	171
Drive Belt Wear/Burn	190
Driveline Mode Switch	37
Driving Over Obstacles	87
Driving Procedures Driving Downhill	83
Driving in Reverse	88
Driving on a Sidehill (Sidehilling)	84
Driving on Slippery Surfaces	81
Driving Through Water	86
Driving Uphill	82

E

Electromagnetic Interference	105
Electronic Power Steering (EPS) ...	71
Tri-Mode Settings	48
Elevating the Vehicle for Service	108
Engine and Drivetrain Break-in	77
Engine Backfires	192
Engine Doesn't Turn Over	192
Engine Oil	124
Engine Pings or Knocks	193
Engine Runs Irregularly, Stalls or Misfires	193
Engine Stop Switch	35
Engine Stops or Loses Power	194
Engine Turns Over, Fails to Start	192
Equipment Modifications	106
Exhaust Emission Control System	105
Exported Products	199
Exposure to Exhaust	19
Eye Protection	16

F

Failure to Inspect Before Operating	18
Fluid Levels	162
Fluid Part Numbers	169
Fog the Engine	163
Footwell Removal (1-Up Models)	133
Four-Wheel Descent Control	69
Disengage	69
Engage	69
Front Gearcase (Demand Drive) Fluid	129
Front Wheel Hub Tightening	134
Fuel Cap	70
Fuel Stabilizer	162
Fuse Replacement	140

G

Geofencing	54
Gloves	16

H

Hand Brake	132
Handlebars	160
Controls	34
Switches	34
Handling Gasoline	19
Hauling Cargo	91
Hazard Warning Switch	35
Headlight and Momentary High Beam Switch	36
Helmet	16
Hitch Capacity Alert	31
Hitch Removal / Installation	73
Hitches	72
Horn Switch	35
Hot Exhaust Systems	27
How To Obtain Warranty Service	198

I

Improper Cargo Loading	26
Improper Hill Climbing	21
Improper Tire Maintenance	24
Inspect and Lubricate	163
Instrument Cluster	
Back Light Color	63
Back Light Level	64
Bluetooth® (if equipped)	66
Change PIN	59
Clock	62
Diagnostic Code	50
Display Area 1	46
Display Area 2	47
Enter PIN	52
Geofence	
Inside Geofence Speed	55
Maximum Speed	53
Outside Geofence Speed	56
Indicator Lamps	44
Options Menu	48
Advanced Menu	51
Overview	43
PIN Delay	58
Require PIN to Start	57
Service Hours	65
Unit Selection Distance	60
Unit Selection Temperature	61

J

Jumps and Stunts	21
------------------------	----

K

Know Your Riding Area	76
-----------------------------	----

L

Lead Acid Conventional Batteries	156
Lead Acid Low Maintenance Battery	158
LED Headlight Replacement	141

Lights	141
Headlight Adjustment	143
Headlight Housing	
Replacement	144
Work Light Adjustment	142
Limited Warranty	195
Lubricants / Service Products	169
Lubrication Guide	123

M

Maintenance	
Air Filter	139
Intervals	109
Maintenance Log	201
Mode / Reverse Override Switch	36
Modifications to Vehicle	27

N

Near-field Communication (NFC) ..	11
New Operator Driving	
Procedures	79
Noise Emission Control	
System	105

O

Oil and Filter	162
Oil and Filter Change	125
Oil Level	125
Oil Recommendations	124
Operating at Excessive Speeds	20
Operating Improperly in Reverse	24
Operating in Lightning	25
Operating in Unfamiliar Terrain	23
Operating on Frozen Bodies of	
Water	26
Operating on Public Roads	20
Operating on Slippery Terrain	23
Operating on Steep Hills	23
Operating Over Obstacles	24
Operating Through Water	25
ORV Certificate of Pre-Delivery	
Inspection	13

P

Parking the Vehicle	90
Part Numbers	169
Periodic Maintenance	107
Physical Control of the Vehicle	20
Physical Skills	26
Polaris Products	169
Polishing the Vehicle	161
Poor Visibility	26
Power Steering Unit (Cleaning)	130
Pre-Ride Checklist	78
Protective Apparel	19
PVT Break-in (Clutches/Belt)	77
PVT System	148

R

Radiator Coolant	131
Radio Compliance Statements	12
Rear Hitch	72
Rear Hitch Certification Label	72
Rear Spring	160
Recovery Bottle Coolant	131
Registration, Warranty	195

S

Safe Operation Practices	75
Safe Riding Gear	15
Safety Labels	
Radiator Cap Warning	32
Safety Labels and Locations	29-30
4x4 (AWD) Alert	31
Clutch Cover Alert	32
Discretionary Alert	30
Override Alert	31
Sportsman XP 1000 S	
Rack Alert	32
Tire Pressure Alert	32
Safety Symbols	8
Safety Training	15
Safety Warnings	17
Safety, Winch Maintenance	104
Severe Use Definition	107
Shock Loading the Winch	103

Side Panel Removal.....	133
Signal Words.....	8
Skidding or Sliding.....	25
Spark Arrester.....	105, 147
Spark Plug Inspection.....	145
Spark Plug Recommendations ...	145
Spark Plugs.....	145
Specifications	
Sportsman 570.....	165
Sportsman 570 EPS.....	165
Stabilize the Fuel.....	162
Stalling While Climbing a Hill.....	22
Starting the Engine.....	89
Steering Assembly.....	130
Storage.....	162
Storage Area.....	163
Switches	
Overview.....	33

T

Taillights/Brake Lights	
Replacement.....	144
Throttle Lever.....	37
Tire Tread Depth.....	134
Tires.....	133
Aging.....	133
Toe Alignment.....	138
Towing Loads.....	92
Trademarks.....	2
Trail Etiquette.....	76
Trailer Hitch Warning.....	28
Trailing Your Vehicle.....	93
Transmission Oil.....	128
Tread Lightly SM	76
TURF Mode.....	68
Turn Signal Switch.....	36
Turning Around on a Hill (K-Turn).....	85
Turning Improperly.....	21

U

Unauthorized Use of the Vehicle ...	27
-------------------------------------	----

V

Vehicle Break-in Period.....	76
Vehicle Identification Numbers	10
Vehicle Immersion.....	146

W

Warning Symbols.....	8
Washing the Vehicle.....	161
Welcome Page.....	3
Wet Fouled Plug.....	145
Wheel Installation.....	135
Wheel Nut Torque	
Specifications.....	136
Wheel Removal.....	135
Winch	
Winch Operation.....	97
Winch Safety Precautions	95
Winch Cable Care.....	102
Winch Maintenance and Service Safety.....	104
Winch Shock Loading.....	103



For your nearest Polaris dealer,
visit www.polaris.com

Polaris Sales Europe Sarl
Place de l'Industrie 2
1180 Rolle
Switzerland

Part No. 9941057 R.01
07.2022

