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2009 ski doo 500s owners manual

Ski-Doo SnowmobileService Manuals 2014 Ski-Doo Snowmobiles 2013 Ski-Doo Snowmobiles 2012 Ski-Doo Snowmobiles 2011 Ski-Doo Snowmobiles 2010 Ski-Doo Snowmobiles 2009 Ski-Doo Snowmobiles 2008 Ski-Doo Snowmobiles 2007 Ski-Doo Snowmobiles 2006 Ski-Doo Snowmobiles 2005 Ski-Doo Snowmobiles 2004 Ski-Doo Snowmobiles 2003 Ski-Doo Snowmobiles 2002 Ski-Doo Snowmobiles 2001 Ski-Doo Snowmobiles 2000 Ski-Doo Snowmobiles 1970-1999 Models Please visit our Home Page to see a complete list of all the useful service manuals we offer. "Service Manual" is a generic term we use to describe Repair Manuals, Technical Manuals, Workshop Manuals, FSM Field Service Manuals, etc. Customer Service Customer Support View My Cart Contact Page 2 RAVE™ DESS™ ROTAX™ SUMMIT™ HPG™ RER™ SC™ TRA™ Renegade™ MX Z™ SKI-DOO ® X™ GSX™ REV-XP™ E-TEC ® 1† Trademark of Castrol Limited used under license. mm2009-010 en AG ®™ and the BRP logo are trademarks of Bombardier Recreational Products Inc. or its affiliates. Bombardier Recreational Prod- other property. acts Inc. (BRP) warranty and a network of authorized SKI-DOO snowmobile at this Operator's dealers ready to provide the parts, ser- Guide vice or accessories you may require. TABLE OF CONTENTS FOREWORD1 Know Before you Go... Page 5 TABLE OF CONTENTS CONTROLS/INSTRUMENTS/EQUIPMENT (cont'd) 13 Tool Kit 40 14) Grab Handle/Bumper... Page 6 CANADA, 2009 SKI-DOO ® SNOWMOBILES 132... Page 7 TABLE OF CONTENTS BRP LIMITED WARRANTY FOR THE EUROPEAN ECONOMIC AREA: 2009 SKI- ® SNOWMOBILES 141 PRIVACY OBLIGATION/DISCLAIMER... Page 8 TABLE OF CONTENTS SAFETY INFORMATION... SAFETY INFORMATION... Avoid Gasoline Fires and See your authorized SKI-DOO dealer Other Hazards for available accessories for your veh- Gasoline is extremely flammable and cle. SPECIAL SAFETY MESSAGES SEVERE INJURY OR DEATH can result if you do not follow these instructions: Everyone is a beginner the first time he sits behind the controls of a snowmobile regardless of previous experience in driving an automobile, a motorcycle or a motorboat. Page 12 SPECIAL SAFETY MESSAGES Snowmobiling at night can be a delightful experience but because of reduced visibility, be extra cautious. Avoid unfamiliar terrain and be sure your lights are working. Always carry a flashlight and spare light bulbs. Never remove any original equipment from your snowmobile. Each vehicle has many built in safety features. Page 13 Do not stud the track unless it has been approved for studs. At speed, a stud- led track that has not been approved for studs could tear and separate from ve- hicle posing a risk of severe injury or death. See an authorized SKI-DOO dealer for current specific studding availability and applications. We encourage you to have an Annual Safety Inspection of your snowmo- WARNING bile. Please contact an authorized SKI-DOO dealer for further details. F- Always use a wide base snowmo- nally, we urge you to visit an authorized bile mechanical stand to properly... Page 15 RIDING THE VEHICLE 12. Lights — The headlights, taillight WARNING and brake light are standard equip- All adjustable features should be ment. Be sure lights are clear of positioned at optimal setting. Se- dirt, slush or snow and are in good crierly tighten all adjustment locks. RIDING THE VEHICLE How to Ride — Tool kit (including at least pliers, screwdriver, adjustable wrench) Riding Gear — Knife Proper snowmobile clothing should - Flashlight, be worn. It should be comfortable include other items depending on the and not too tight. Always check the length and time of your ride. RIDING THE VEHICLE Standing Place both feet on the running boards. Knees should be flexed to absorb the shock from surface bumps. This is an effective position to see better and to shift weight as conditions dictate. Avoid abrupt stop. mm2008-003-001 Posting A semi-sitting position with the body... RIDING THE VEHICLE On snowmobiles allowing two passen- the operator must slow down. The op- ers, if you have an adult and a child for erator must also warn passengers of passenger, BRP recommends that the side hills, bumps, branches, etc. An child sits in the center location. Page 19 RIDING THE VEHICLE stretches of "washboard" trails, the Traction for starting, turning or stop- kneeling position of one knee on the ping is much less than that on snow. seat can be adopted. This provides a Thus, these distances can be multi- certain amount of comfort, while at the plied manifold. Page 20 RIDING THE VEHICLE Downhill Unfamiliar Territory Downhill driving requires that you have Whenever you enter an area that is full control of your vehicle at all times. new to you, drive with extreme cau- On steeper hills, keep your center of tion. Page 21 RIDING THE VEHICLE Obstacles and Jumping Road Crossing Unplanned jumps of snowdrifts, snow- In some cases, you will be approach- ploory ridges, culverts or indistinguish- ing the road from a ditch or snowbank. able objects can be dangerous. You Choose a place where you know you can avoid them by wearing the proper can climb without difficulty. RIDING THE VEHICLE Safari Riding travel from area to area. Do not violate this privilege by chasing or harassing Before starting out, designate a "trail widow". Fatigue and exhaustion can boss" to lead the party and another per- lead to animal's death. Avoid areas son to follow-up at the end of the party. Page 23 Remember, whether you're driving a high perfor- there is a link between protecting your mance Ski-Doo, a sporty MX Z snow- environment and your own safety. mobile or any other make or model. Respect wildlife and be particularly show you know what you're doing. However, you MUST al preferences, your riding style, and only use the BRP approved type how your suspension is adjusted. stud for use on these Ski-Doo snowmobiles. DO NOT EVER use WARNING conventional studs as the track thickness is thinner than other If the front and rear of the snow- standard tracks. TRACTION ENHANCING PRODUCTS Understeering WARNING In certain conditions, the use of studs to prevent surprises that could on the track could make the snowmo- lead to a loss of control of the bile prone to understeering if the skis snowmobile, possibly resulting are not equipped with more aggressive in serious injury or death: ski carbide runners, see illustration. TRACTION ENHANCING PRODUCTS Effects of Having a Installation of Studs on Studded Track on the BRP Approved Tracks Life of the Snowmobile WARNING The use of traction enhancing products can increase the load and the stress on Never stud a track that has not certain snowmobile components, as been approved for studs. TRACTION ENHANCING PRODUCTS - Delamination of the rubber WARNING - Broken rods - See an authorized SKI-DOO - Broken studs (studded tracks) dealer for current specific stud- Bent studs (studded tracks) dig availability and applica- - Missing studs tions. HANG TAG 70490171 vm2006-005-009 en mm2008-003-053 en © SUMMIT — NORTH AMERICA mm2008-003-054 en SUMMIT — EUROPE SAFETY INFORMATION... If missing or damaged, the decals can be replaced free of charge. See an au- thORIZED SKI-DOO dealer. Please read the following instructions carefully before operating this snow- mobile. mm2008-003-068 a... Page 30 IMPORTANT ON-PRODUCT LABELS mm2007-009-051 INSTRUCTION 2 WARNING This guard must ALWAYS be in place when engine is running. Beware of rotating parts they could cause injuries or catch your clothing. AVERTISSEMENT mm2008-003-065 a Ce garde-courroie doit TOUJOURS être en place lorsque le moteur fonctionne. Page 31 IMPORTANT ON-PRODUCT LABELS NEVER SIT IN CARGO AREA. Exceeding maximum cargo load may affect steering control and braking ability. v. MAXIMUM cargo load : XX Kg / XX Lbs. DO NOT SIT HERE/ NE PAS S'ASSOIR ICI mm2008-003-006 a INSTRUCTION 6 mm2008-003-004 en INSTRUCTION 9 This vehicle is designed for one (1) operator... Page 32 IMPORTANT ON-PRODUCT LABELS WARNING mm2008-003-052 en INSTRUCTION 13 - MODELS WITH TRACK APPROVED FOR STUDS xxxx xxxx xxxx xxxx mm2007-009-070 INSTRUCTION 14 mm2009-003-006 a INSTRUCTION 15 - CTR ONLY - NOT SHOWN mm2009-003-014 en INSTRUCTION 16 - E-TEC ONLY SAFETY INFORMATION... VEHICLE INFORMATION... CONTROLS/INSTRUMENTS/EQUIPMENT NOTE: Some controls/instruments/equipment do not apply or are optional on some models. 10,13 mm2008-003-058 b TYPICAL 18,19 mm2008-003-057 b TYPICAL... CONTROLS/INSTRUMENTS/EQUIPMENT mm2009-003-007 a TYPICAL mm2008-003-069 c mm2008-008-011 b RENEGADE EUROPEAN MODELS ONLY TYPICAL 1. Throttle lever 1) Handlebar 2. To accelerate 3. To decelerate The handlebar controls the steering of the snowmobile. As the handlebar WARNING is rotated to right or left, the skis are Test the throttle lever operation turned right or left to steer the snow- mobile. CONTROLS/INSTRUMENTS/EQUIPMENT NOTICE Parking brake position can vary depending on brake pads wear. Ensure when the parking brake is applied that the vehicle stays securely in place. NOTE: Locking lever can be adjusted in two different positions. mm2008-008-012 b TYPICAL 1. Brake lever 2. We recommend the purchase of ad- engine. ditional keys from your authorized SKI-DOO dealer. If you have more than one DESS-equipped SKI-DOO snow- DESS (Digitally Encoded Security mobile, each can be programmed by System) TYPICAL Gine. See an authorized SKI-DOO 1. Start/Electronic Reverse button dealer for servicing. 2. Headlights dimmer switch 3. Heating grille 4. Heating throttle lever 7) Choke Lever 5. Page 39 CONTROLS/INSTRUMENTS/EQUIPMENT Models with Analog/Digital Gauge mm2007-009-043 b mm2007-003-003 b HEATING INTENSITY DISPLAY 1. Less heat TYPICAL 1. Heating grip switch 2. More heat 2. Hot 3. Warm Heating grips will be in OFF position 4. Off when there are no bars displayed on the gauge. CONTROLS/INSTRUMENTS/EQUIPMENT Model/Set Button Models with Multifunction Analog/Digital Gauge This button can be used instead of the two buttons on top of the analog/digital gauge to activate gauge adjust- sents. - When pressed upward, it has the same functions as the MODE (M) button. CONTROLS/INSTRUMENTS/EQUIPMENT When riding in deep powder snow. Seat latch is located at the front of the seat. - When following another snowmo- bile in high snow conditions, mm2007-009-071 a SEAT BASE 1. Seat latch mm2007-009-018 a 2. Operator's Guide location TYPICAL - REMOVE THE GUARD 1. Trip meter (TRIP B) mode TC appears when the mode is select- Press and hold the SET (S) button to re- set. mm2008-003-021 a TYPICAL mm2007-009-066 w Press the MODE (M) button to confirm in addition of the analog type tachome- selection or wait 5 seconds, ter. RPM can also be played via the multifunction display. Engine RPM can be displayed on dis- play 1 or display 2. Page 49 CONTROLS/INSTRUMENTS/EQUIPMENT mm2007-009-066 o mm2007-009-066 n 1. RPM mode B) Tachometer (RPM) Press the MODE (M) button to confirm in addition of the analog type tachome- selection or wait 5 seconds. CONTROLS/INSTRUMENTS/EQUIPMENT NOTICE Always readjust suspen- WARNING sign according to the load. The ca- This strap is not for towing, lift- pacity of this rack is limited, the MA- ing or other purpose with top- XIMUM cargo load is 15.8 Kg (35 lb). rare use as a grab handle during Ride at very low speed when loaded. Page 57 CONTROLS/INSTRUMENTS/EQUIPMENT WARNING Any passenger must be able to firmly lay is feet on the footrests and keep his hands on the grab handles at all times when seated. Respecting those physical crite- ria is important to ensures that the passenger is stable and to reduce the risks of ejection. CONTROLS/INSTRUMENTS/EQUIPMENT mm2008-003-027 a mm2008-003-022 a 1. Retaining device PASSENGER LH GRAB HANDLE 1. Switch When seat rests in its position, firmly 2. LH grab handle push seat down to latch. 23) Electric Visor Jack NOTE: A distinctive snap will be felt. Connector Double check that the seat is secure by giving it a tug to confirm proper latch- An electric visor can be connected to... Page 59 CONTROLS/INSTRUMENTS/EQUIPMENT How to Use the C-Type Hitch Detach hitch from its support by re- moving the hairpin. mm2008-003-072 a TYPICAL 1. Hairpin 2. Rod NOTICE To avoid damages to the vehicle, always release hitch from its mm2008-003-070 a support. Ensure hitch moves freely 1. FUEL AND OIL Recommended Fuel This precaution is in order to reduce the risk of frost buildup in carburetors or Use unleaded gasoline available from other fuel system components which most service stations or oxygenated may lead, in certain cases, to severe fuel containing a maximum total of damage to engine. FUEL AND OIL Recommended Oil NOTICE mismatch reservoir cap with fuel tank cap. Oil reservoir cap is identified OIL RECOMMENDED ENGINES INJECTION OIL 500SS XP-S synthetic 600 HO E-TEC blend mm2007-009-021 a 800R Power TEK TYPICAL 1. Injection oil reservoir 2. Level marks (1/4, 1/2, 3/4) NOTICE These engines were specifically developed and tested... 500 km (300 miles), of operation Choke Application whichever comes first, use snow- mobile be checked by an authorized Initial Cold Starting When MAINTNE. SKI-DOO dealer. Refer to Temperature is Below -10°C NANCE INFORMATION section. (+ 15°F) NOTE: Do not operate the throttle Engine Starting Procedure lever with the choke lever on. OPERATING INSTRUCTIONS Manual Start Models Grab rewind starter handle, pull handle slowly until a resistance is felt, then hold handle firmly and pull vigorously to start engine. Electric Start Models Depress the START/RER button to en- A06H1KA gage the electric starter and start the 1. Sea level up to 600 m mm2008-005-012 a (Europe) (2000 ft) 1. Clip installation location Refer to an authorized SKI-DOO dealer Wind the rope tightly around drive pul- for proper calibration and operations if light. When pulled, pulley must rotate required. counterclockwise. - 20°C (- 4°F), carburetor(s) must be recalibrated to avoid en- NOTE: It is not recommended to let gine damage. Refer to an authorized engine running at idle speed for more SKI-DOO dealer. than 10 minutes. Disengage parking brake. Hard Packed Snow Summit Series... OPERATING INSTRUCTIONS Reverse (RER) Rotating in Forward When the engine is running, depress- With the snowmobile completely in the RER button will slow down en- stopped and engine running at idle, gine RPM to almost a stop and advance press and release the RER button. the ignition timing to invert crankshaft RER pilot lamp will stop. OPERATING INSTRUCTIONS DRIVE BELT MAIN- bile, refer to in the TENANCE PROCEDURE section and tow at moderate speed. NOTICE Always remove the drive belt of the snowmobile that is to be towed to prevent damage to its belt and drive system. In an emergency situation only, if a rigid tow bar is not available, a rope can be used provided you proceed with extra... It may be nec essay to read- shocks. These can be rebuilt or recal- just center spring after adjusting front brake. See an authorized SKI-DOO springs for instance. Test run the dealer. snowmobile under t he same condi- tions... TUNE YOUR RIDE position, etc. Change one adjustment Reference Table and refer. Proceed methodically until "C" WHAT TO DO you are satisfied. 50 to NOTICE Whenever adjusting rear 75 mm No adjustment required suspension, check track tension and (2 to 3 in) adjust as necessary. TUNE YOUR RIDE Reference Table STEERING WHAT TO DO BEHAVIOR Easy to turn No adjustment required (neutral) mm2007-009-006 a Harder to turn Adjusted too soft, increase TYPICAL — SC-5M — LH SIDE (oversteering) preload 1. Adjust spring preload Very easy to turn Adjusted too hard, decrease (understeering) preload... TUNE YOUR RIDE Reference Table Deep Snow Riding When operating the snowmobile in WEIGHT TRANSFER WHAT TO DO deep snow, it may be necessary to vary (SKI PRESSURE) stoper strap length and/or riding posi- tion, to change the angle at which the Comfortable: good weight No adjustment track rides on the snow. TUNE YOUR RIDE mm2007-009-014 a COUPLING BLOCK — LEFT SIDE VIEW A33FA4 ("L" — LEFT EMBOSSED ON BLOCK) TYPICAL 1. Position 1 (minimum) 1. Low speed compression adjuster 2. Position 2 (minimum/intermediate) (flat screwdriver) 3. Position 3 (intermediate/maximum) 2. High speed compression adjuster 4. Page 73 TUNE YOUR RIDE Reference Table HANDLING WHAT TO DO GO: steering No adjustment required comfortable to turn Bad: steering too easy Adjusted too soft, to turn increase spring preload Bad: steering too hard Adjusted too hard, to turn decrease spring preload mm2008-003-036 a CAM TYPE PRELOAD 1. TUNE YOUR RIDE Vehicle Behavior Related to Suspension Adjustment PROBLEM CORRECTIVE MEASURES Check ski alignment and camber angle adjustment. See an authorized SKI-DOO dealer. Reduce ski ground pressure. Front suspension wandering - Reduce front suspension spring preload. - Increase center spring preload. VEHICLE TRANSPORTATION Make sure that oil reservoir and fuel tank caps are properly installed. Tilt bed trailers can easily be equipped with a winch mechanism to afford ma- ximum safety in loading. Simple as it may seem, never drive your snowmo- bile onto a tire trailer or any other kind of trailer or vehicle. Page 76 VEHICLE TRANSPORTATION... MAINTENANCE INFORMATION... If not, see your authorized SKI-DOO dealer. Other important items in the maintenance schedule that are more difficult and re- quire special tools are best performed by your authorized SKI-DOO dealer. WARNING Turn off the engine, remove tether cord cap and follow these maintenance procedures when performing maintenance. Page 79 Cooling system (1) Retighten to specified torque. Coolant (2) RAVE valves must be cleaned Crankshaft PTO seal by an authorized SKI-DOO dealer. RAVE valves RAVE valves (E-TEC and Power TEK) Injection oil filter Oil injection pump (500SS and 800R) Page 80 LEGEND DRIVE SYSTEM (5) Adjust drive belt height and Drive belt have the tension checked by Drive pulley an authorized SKI-DOO dealer at every belt replacement. Driven pulley Brake fluid (6) Tightening torque of drive pulley must be checked Brake hose, pads and disk... Page 81 L. LUBRICATE EVERY YEAR OR 3200 (mm) m R. REPLACE EVERY 2 YEARS OR 6000 (km) (3700 mi) *: TO BE PERFORMED BY AN *STORAGE AUTHORIZED SKI-DOO DEALER *PRESEASON PART/TASK LEGEND ELECTRICAL SYSTEM (11) Before installing new spark Plug plugs (500SS and 800R) 10-HOUR INSPECTION We suggest that after the first 10 hours or 500 km (300 mi) of operation, whichever comes first, your vehicle be inspected by an authorized SKI-DOO dealer. The initial maintenance is very important and must not be neglected. 362) or with distilled water and an- 1. Intake silencer prefilter Ifreeze solution (50% distilled water, If the prefilter as to be cleaned or re- 50% antifreeze), placed, see an authorized SKI-DOO dealer. Exhaust System Engine Coolant Exhaust System Verification... Spark Plugs (600 HO E-TEC) Spark plugs inspection or replace- mm2008-008-009 ment must be done by an authorized 1. 19 mm socket SKI-DOO dealer. 2. Screwdriver rod 5. Clean spark plugs and cylinder WARNING heads with pressurized air if pos- To avoid serious fire hazard, never sible. MAINTENANCE PROCEDURES 4. Loosen the three bolts retaining Brake Fluid Level the engine stopper to the engine NOTICE Vehicle must be on a lev- support without removing them. el surface before checking any fluid levels. Check brake fluid (DOT 4) in reservoir for proper level. MAINTENANCE NOTICE Use only the recommended oil in chaincase ed type oil when servicing. Do not by the filler hole until oil comes out by mix synthetic oil with other types of the magnetic check plug hole. Rein- oil. 1. Tabs or distorted spark plug. Contact an au- thORIZED SKI-DOO dealer. Position the grommet over the retain- ing rod. It may be necessary to slightly Drive Belt Replacement and lift the console to motor room. Page 88 MAINTENANCE PROCEDURES mm2008-042-003 a DRIVEN PULLEY - RING TYPE 1. Lock nut mm2008-003-043 a 2. Adjusting ring INSERT TOOL To loosen the lock nut, use the follow- 5. Loosen lock nut by turning the tool ing tools from the tool kit. counterclockwise (+ 4 turns). mm2008-003-039 SCREWDRIVER PIN mm2008-003-040... Page 89 DRIVE BELT INSTALLATION AND AD- JUSTMENT Drive Belt Installation and Adjustment NOTE: The drive belt adjustment must be checked by an authorized SKI-DOO dealer each time a drive belt is installed mm2008-042-002 and should be rechecked after 50 k m (30 miles). Page 90 MAINTENANCE PROCEDURES 2. Turn adjustment ring counterclock- wise (+ 2 1 turn), then, manually ro- tate drive belt to position it properly between pulley sheaves. Repeat this procedure until drive belt cord reaches the edge of the driven pul- ley. mm2008-003-076 a INCORRECT POSITION 1. Page 91 Repeat until creep- 3. Screwdriver pin ing stops. Insert and set the 18 mm socket end NOTE: After a drive belt replacement, on the locking nut inside the adjust- have the tension checked by an autho- ment ring. rized SKI-DOO dealer. ... Page 92 MAINTENANCE PROCEDURES Drive Belt Replacement (Screw Note). The maximum drive belt life Type Adjuster) span is obtained when the arrow on the drive belt is directed toward the Drive Belt Removal front of the vehicle. This will ensure that correct direction of rotation is re- 1. 39 mm MAINTENANCE PROCEDURES 4. Keep the set screws from turning using a 3 mm Allen key and loosen both lock nuts using a 10 mm open wrench. mm2009-010-003 a 1. Set screw 2. Lock nut 3. Steel ring 7. Keep the set screws from turn- ing and tighten the lock nuts to- mm2009-010-002 a wards the adjuster hub to 5 N•m... MAINTENANCE PROCEDURES The drive pulley is factory calibrated to transmit maximum engine power at a predefined RPM. Factors such as am- bient temperature, altitude or surface condition may vary this critical engine RPM that thus affecting snowmobile effi- ciency. This adjustable drive pulley allows set- ting maximum engine RPM to maintain mm2008-003-056 a maximum power. RPM is increased by injury including the possibility of 400 RPM. death. Procedure See your SKI-DOO dealer to main- tain or service the drive pulley. Im- Just loosen locking nut enough to pull proper servicing or maintenance calibration now partially out and ad- may affect performance and re- just as desired position. Page 96 Track Tension and Alignment sections or guides are noted; contact an NOTE: Track tension and alignment authorized SKI-DOO dealer. are interrelated. Do not adjust one without the other. Snowmobiles Equipped with Traction Enhancing Products... Page 97 If correct tension is unattainable, con- by resulting in the loss of a leg or act an authorized SKI-DOO dealer. other serious injury. Start the engine and accelerate slightly so that track barely turns. This must be done in a short period of time (about 5 seconds). MAINTENANCE PROCEDURES A01F05A 1. Guides mm2008-003-047 b 2. Slider shoes TYPICAL 3. Equal distance 1. Retighten to 48 N•m (35 lbf•ft) If off center, perform alignment as fol- 5. Restart engine and rotate track lows: slowly to recheck alignment. 6. Reposition snowmobile on ground. WARNING 7. If fuse has burnt out, source of mal- tie rods, ball joints, ski bolts, ski legs, function should be determined etc.). If necessary, contact an autho- and corrected before restarting. rized SKI-DOO dealer. See an authorized SKI-DOO dealer for servicing. ... Page 100 MAINTENANCE PROCEDURES 600 HO E-TEC Manual Start Fuse Location 500SS/800R Manual Start mm2008-008-028 a TYPICAL - RH SIDE OF ENGINE COMPARTMENT mm2007-009-017 a 1. 5A start/RER fuse RH SIDE OF ENGINE COMPARTMENT 1. 15 a headlight fuse (RED/ORANGE wire) 600 HO E-TEC Electric Start 2. MAINTENANCE PROCEDURES Lights Always check light operation after bulb replacement. Headlights Bulb Replacement NOTICE Never touch glass portion of an halogen bulb with bare fingers, mm2007-009-022 a, it shortens its operating life. If glass 1. Rubber boots is touched, clean it with isopropyl al- cohol which will not leave a film on 4. MAINTENANCE PROCEDURES mm2007-009-023 a a predefined RPM. Factors such as am- bient temperature, altitude or surface condition may vary this critical engine RPM that thus affecting snowmobile effi- ciency. This adjustable drive pulley allows set- ting maximum engine RPM to maintain mm2008-003-056 a maximum power. RPM is increased by injury including the possibility of 400 RPM. death. Procedure See your SKI-DOO dealer to main- tain or service the drive pulley. Im- Just loosen locking nut enough to pull proper servicing or maintenance calibration now partially out and ad- may affect performance and re- just as desired position. Page 96 Track Tension and Alignment sections or guides are noted; contact an NOTE: Track tension and alignment authorized SKI-DOO dealer. are interrelated. Do not adjust one without the other. Snowmobiles Equipped with Traction Enhancing Products... 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