2027

OPERATOR'S MANUAL

ZR 120

p/n: 653-00123
5/26

ORIGINAL INSTRUCTIONS

California Proposition 65

⚠ WARNING

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

This vehicle can be hazardous to operate.

Never accelerate rapidly or drive at high speed beyond the limits of visibility or without being totally familiar with the terrain and what lies in front of you. Obey speed limits and never operate at speeds that do not allow adequate maneuvering and stopping distances. Read and study the entire Operator's Manual and Snowmobile Safety Handbook.

Failure to follow this warning could result in personal injury to yourself or others. For your safety, understand and follow all the warnings contained in this Operator's Manual and on the labels on this vehicle.

Keep this Operator's Manual with this vehicle at all times. If you lose your manual, contact your authorized dealer for a free replacement. The labels should be considered permanent parts of the vehicle. If a label comes off or becomes hard to read, contact your authorized dealer for a free replacement. Contact Arctic Cat Service Department, 601 Brooks Ave, Thief River Falls, MN 56701 USA, for proper registration information.

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

The Operator's Manual, Snowmobile Safety Handbook, and Snowmobile Decals display important information:

⚠	The Safety Alert Symbol means ATTENTION! BE ALERT! YOUR SAFETY IS INVOLVED.
⚠ **WARNING**	WARNING identifies personal safety-related information. Follow the directive because it deals with the possibility of serious personal injury or even death.
CAUTION	CAUTION, without the safety alert symbol, identifies unsafe practices. Follow the directive because it deals with the possibility of damaging part or parts of the snowmobile.
■ **NOTE:**	A NOTE identifies supplementary information worthy of particular attention.

Personal Injury

- To avoid injury to yourself and others, NEVER operate the snowmobile without first reading and understanding this manual and the Snowmobile Safety Handbook; then follow the instructions and heed the warnings given.
- USE COMMON SENSE.
- DON'T DRINK and DRIVE.
- STAY IN CONTROL at ALL TIMES.
- TELL YOUR FRIENDS. If you see a friend operating a snowmobile recklessly, at excessive speeds, while intoxicated, or in other unsafe ways, don't wait until it is too late to warn of the consequences of snowmobile misuse. Such conduct endangers everyone. TAKE AN ACTIVE ROLE IN THE SAFETY OF YOURSELF AND OTHERS.

Table of Contents

Foreword **3**
U.S. Consumer Product Safety Commission (CPSC) Children's Product Certificate (U.S. Only) **4**
Snowmobile Safety Rules **5**
Specifications **6**
Warning Labels & Information **7**
Preparing to Safely Operate the ZR 120 .. **8**
Operating the ZR 120 ..... **9**
General Information **9-11**
Control Locations 9
Snowmobile Identification 10
Gasoline — Oil 10
Snowmobile Specifications 11
Engine Break-In 11
Muffler 11
Operating Instructions **12**
Starting and Stopping Engine 12
Periodic Maintenance/Tune-Up Chart **13**
Maintenance **14-23**
Engine Oil 14
Carburetor 15
In-Line Fuel Filter 16
Air Cleaner/Filter 16
Spark Plug 16
Brake 17
Drive Chain 17
Drive Chain Tensioner 18
Track Tension 18
Track Alignment 19
Adjusting Front Ski Shock Springs 20
Adjusting Rear Spring Tension 20
Ski Alignment 21
Steering Alignment 21
Ski Wear Bar 22
Recoil Starter Air Vents 22
Lights 23
Preparation for Storage **24**
Preparation after Storage **25**
Limited Warranty **26**
Warranty Procedure/Owner Responsibility **27**
U.S. EPA Emission Control Statement/ Warranty Coverage — Snowmobile (U.S. Only) **28**
Change of Address, Ownership, or Warranty Transfer **29**
Reference Information **31**

p/n: 653-00123

Foreword

The ZR 120 Snowmobile is intended to be a learning/recreational snowmobile for a responsible child at least 6 years of age and under adult supervision. This snowmobile is intended to be ridden by the operator only; there should be no passenger. Also, this snowmobile is intended for daylight use in restricted off-road areas, primarily on snow. Use of this snowmobile on public streets, roads, and highways can be hazardous and is prohibited by law in most cases. As a parent or guardian, one must accept the responsibility of training the child in the safe operation of the snowmobile. Teach all operators the basic principles of operation, snowmobile rules and regulations, and especially how to stop the snowmobile in case of an emergency. Impress upon the child a sense of snowmobile courtesy and responsibility.

This snowmobile is a quality Arctic Cat product designed, engineered, and assembled to give dependable service. Be sure, as the owner, to become thoroughly familiar with its basic operation, maintenance, and storage procedures. Read this manual and the accompanying Snowmobile Safety Handbook to ensure safe and proper use of the snowmobile.

This manual is divided into sections. The sections “Getting Ready to Operate the ZR 120 Safely” and “Operating the ZR 120” must be read and explained to the child/operator. The other sections are for the owner/parent/guardian and contain information on snowmobile identification, safe operating instructions, lubrication, maintenance, storage, and after-storage preparation. If repair or service is ever required, contact an authorized Arctic Cat Snowmobile dealer for professional service.

At the time of publication, all information and illustrations were technically correct. Because Arctic Cat Inc. constantly refines and improves its products, no retroactive obligation is incurred.

Use the QR code below or go to arcticcat.com/resources to view the model-specific specifications sheet and ensure you are reviewing the most current operator manual.

This Arctic Cat Operator’s Manual should be considered a permanent part of the snowmobile and must remain with the snowmobile at time of resale. If the snowmobile changes ownership, contact Arctic Cat Inc., Product Service and Warranty Department, 601 Brooks Ave, Thief River Falls, MN 56701 USA, for proper registration information.

Every Arctic Cat snowmobile meets or exceeds the standards of the Snowmobile Safety and Certification Committee and displays the SSCC decal. Arctic Cat Inc. endorses and encourages the safe use of all snowmobiles. Always wear a helmet and eye protection. Drive with caution, observe all state and local laws, and respect the rights of others. International Snowmobile Manufacturers Association (ISMA) members like Arctic Cat do their part to improve trails, sponsor events, and generally support the sport of snowmobiling. As a member of the National Snowmobile Foundation, Arctic Cat promotes snowmobiling through education, charity, and research programs.

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U.S. Consumer Product Safety Commission (CPSC) Children's Product Certificate (U.S. Only)

1. Identification of the product covered by this certificate:

Youth Snowmobile; Model: 2027 ZR 120.

2. Citation to each CPSC product safety regulation to which this product is being certified:

This product is exempt from total lead content testing under 15 USC §1278a pursuant to Public Law 112-28.

This product meets the requirements of the ban of lead-containing paint under 16 CFR Part 1303.

This product meets SSCC/11 requirements, which requires third-party review, certification, and periodic audits.

3. Identification of the importer or domestic manufacturer certifying compliance of the product:

Arctic Cat
600 Brooks Ave. S.
Thief River Falls, MN 56701
1-800-279-2281

4. Information for the individual maintaining records of test results:

Leanne Beavis Hellerud, Compliance Engineer Sr.
Arctic Cat
600 Brooks Ave. S.
Thief River Falls, MN 56701
218-206-6556
lbeavishellerud@arcticcat.com

5. Date and place where this product was manufactured:

The date of manufacture is located on the Vehicle Identification Number (VIN) label on the product.

Manufacturing Location:
Arctic Cat
600 Brooks Ave. S.
Thief River Falls, MN 56701

6. Date and place where this product was tested for compliance with the regulation(s) cited above:

This product is exempt from total lead content testing under 15 USC §1278a pursuant to Public Law 112-28.

There are not any federally mandated testing requirements for children's snowmobiles. Arctic Cat certifies to SSCC/11 requirements, Class II-Children's Snowmobile. For a more detailed definition, see SAE J1038. This certification requires a third-party review, which is performed by the:

Snowmobile Safety and Certification Committee (SSCC)

Snowmobile Safety Rules

SNOWMOBILE SAFETY RULES

Arctic Cat® endorses and encourages the safe use of all snowmobiles.
Always follow these rules to ensure your continued enjoyment of the sport.
Receive proper training and operate within your capabilities. See operator's manual for complete safety instructions.

RÈGLEMENTS DE SÉCURITÉ EN MOTONEIGE

Arctic Cat® endosse et encourage l'utilisation sécuritaire de toutes motoneiges.
Respectez toujours ces règlements qui vous permettront de pratiquer ce sport avec plaisir.
Obtenez la formation nécessaire et conduisez selon vos capacités.
Veuillez vous référer au manuel de l'opérateur pour les instructions complètes de sécurité.

SÄKERHETSREGLER VID SNÖSKOTERKÖRNING

Arctic Cat® manar till föreskrifter vid snöskoterkörning. Följ alltid dessa regler när du är ute och kör.

MOOTTORIKELKAN TURVASÄÄNNÖT

Arctic Cat® kannattaa ja kannustaa moottorikelkan turvallista käyttöä.
Näitä säännöjä tarkkaan noudattaen saat kelkkailusta irtí parhaan mahdollisen huvin ja hyödyn.

SIKKERHETSREGLER FOR BRUK AV SNØSCOOTER

Arctic Cat® oppfordrer alle til å utvise forsiktighet ved bruk av sneascootere.
Følg alltid disse reglene når du er ute og kjører.

NORME DI SICUREZZA PER LE MOTOSLITTE

Arctic Cat® sostiene ed incoraggia la sicurezza delle motoslitte.
Per un divertimento continuo di questo sport seguite sempre le suddette norme.

スノーモービルの安全運転ルール

アークティック・キャットはスノーモービルの安全な使用を推奨しています。いつまでもスノーモービルを楽しんでいただけるよう、下記の安全運転ルールを必ずお守りください。

1 Don't drink and ride.
Ne buvez pas lorsque vous conduisez.
Kyke ikke under påvirkning av alkohol.
Jos otat, älä kelkkailu!
Kjør aldri under påvirkning av alkohol.
Non bevete durante la guida.
飲酒運転はしないこと。

2 Always wear a helmet.
Portez toujours un casque.
Bruk alltid hjelm.
Käytä aina suojikypärää.
Bruk alltid hjelm.
Indossate sempre il casco.
常時、ヘルメットを着用すること。

3 Watch out for thin ice/open water.
Evitez la mince glace et les zones d'eau.
Se up for tynt isi/åpent vatten.
Varo hiikkoja jäitä ja avantoja.
Se opp for tynt isi/åpent vann.
Attenti a ghiaccio sottile e ghiaccio.
薄氷や未凍結箇所に注意すること。

4 Use caution when crossing road/train tracks.
Soyez prudent lorsque vous traversez des routes et des chemins de fer.
Var forsiktig når du krysser veier/jernbanekinner.
Usate prudenza nell'attraversare strade/passaggi a livello.
道路や線路を横切るときは注意すること。

5 Don't ride after midnight.
Ne roulez pas après minuit.
Kjør ikke etter midnatt.
Älä ajele pikkutunnilla.
Ikke kjør etter midnatt.
Non guidare dopo la mezzanotte.
真夜中以後は乗らないこと。

6 Beware of trees and other hazards.
Soyez attentif aux dangers naturels.
Se upp for träd och andra faror.
Vær oppmerksom på naturfarer.
Se opp for trær og andre farer.
Attenti agli alberi e ai diversi ostacoli.
木や障害物に用心すること。

7 Always use a solid hitch for towing.
Assurez-vous d'avoir une attache solide pour remorquer.
Använd alltid stel koppling vid bogsering.
Käytä aina vahvoja vetokoukkuja.
Bruk alltid stabil koplingsanordning for tauing.
Usate un gancio fisso per il traino.
牽引にはしっかりしたヒッチを使うこと。

8 Observe proper rider capacity.
A. Maximum one rider on 1-Up sleds.
B. Maximum two riders on 2-Up sleds.
Respectez la capacité de passagers.
A. Maximum un passager sur les modèles réguliers.
B. Maximum deux passagers sur les modèles à 2-hiveaux.
Begränsa antal åkande.
A. Endast en passagerare.
B. Enbart två passagerare.
Ota huomioon kuormituksrajat.
A. Yksi yksi henkilö yksiköissä.
B. Kaksi kaksi henkilö kaksiköissä.
Vær oppmerksom på passasjerkapasiteten.
A. Maks. En person på en-seters scootere.
B. Maks. To personer på to-seters scootere.
Osservate la capienza del veicolo.
1-posto: Massimo 1 passeggero.
2-posti: Massimo 2 passeggeri.
乗車定員を守ること。
A. 二人乗りに一人まで。
B. 三人乗りに二人まで。

9 Check controls and maintain your machines.
Vérifiez les commandes et entretenez votre véhicule.
Kontrollera reglage och underhåll din maskin.
Tarkista säätö säätöä ja pidä konsesi kunnossa.
Sjekk instrumentene og hold scooteren vedlike.
Controllate i comandi ed eseguite la manutenzione.
操作装置のチェックと整備を定期的に行うこと。

10 Be of legal age.
Soyez d'âge légal.
Respektera åldersgränsen.
Pidä kunnes saavutat vaaditun iäkiyan.
Respekter aldersgrensen.
Dovete essere maggiorenni.
運転は法定年齢に達していること。

11 Read and understand your Operator's Manual.
Lisez et assurez-vous de comprendre votre manuel de l'opérateur.
Läs och förstå Instruktionsboken.
Lue ja ymmärrä mitä Käyttöoppaassa sanotaan.
Les og forstå Brukerhåndboken.
Leggete attentamente il Manuale di Guida.
オーナーズマニュアルを必ず読み、理解すること。

12 Obey all local laws and regulations and use common sense.
Obéissez aux lois et recommandations locales et faites preuve de bon sens.
Följ lokala lagar och regler och använd ett gott förnuft.
Noudata kaikkia lakeja ja paikallismääräyksiä, ja käytä sen lisäksi terervettä järkeä.
Overholdt lokale lover og regelverk og bruk sunn fornuft.
Osservate tutte le norme di legge razionali.
地域の条例や規定を守り、常識を活用すること。

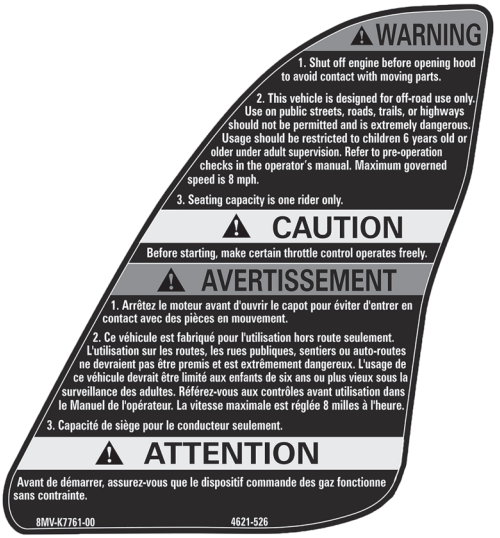
Specifications

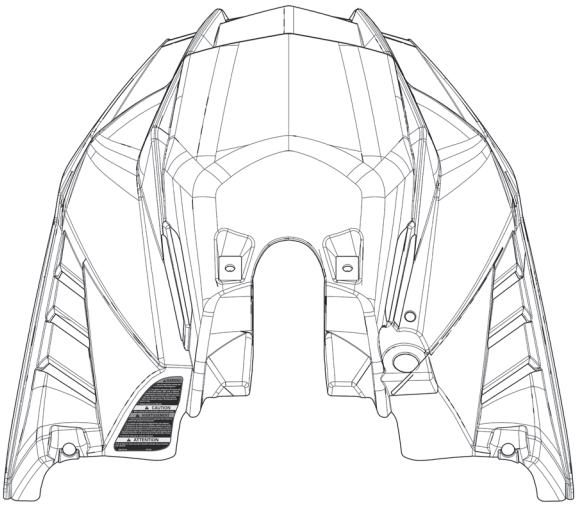
ENGINE AND DRIVE	
Type	Forced Air Cooled/4-Cycle
Bore x Stroke	56 x 50 mm (2.2 x 1.97 in)
Valve Arrangement	Overhead
Displacement	123 cc (7.5 cu in)
Lighting Coil Output	12V/55W
Compression Ratio	8.3:1
Lubrication	Forced Splash
Cooling System	Forced Air
Drive Clutch	Centrifugal
Drive Chain Tensioner	Automatic
Brake Type	Band
Ignition Type	Transistorized
Track Width	25.4 cm (10 in)
Track Length	170.1 cm (67 in)
Track Tension (Range)	6.4-9.5 mm (1/4-3/8 in)
Track Style	Cobra
Spark Plug Type	NGK BPR4ES
Spark Plug Gap	0.7-0.8 mm (0.028-0.031 in)
Ignition Timing (Fixed)	24° BTDC @ 3600 RPM
CARBURETOR	
Type	Mikuni BV18-11-84Z1
CHASSIS	
Overall Length	185.4 cm (73 in)
Overall Height	86.3 cm (34 in)
Overall Width	91.4 cm (36 in)
Ski Center-to-Center Distance (Stance)	77.4 cm (30.5 in)
MISCELLANEOUS	
Gasoline (Recommended)	87 Minimum Octane Regular Unleaded
Gas Tank Capacity (Rated)	1.7 L (0.45 U.S. gal)
Engine Oil (Recommended)	Synthetic 0W-40
Crankcase Oil Capacity	600 mL (20.3 fl oz)
Air Cleaner	Semi-Dry Polyurethane Foam Element
Taillight (p/n)	0609-934
Headlight Bulb (p/n)	0609-991
Starting System	Manual Recoil
Dry Weight	75.0 kg (167 lb)
Vibration — Hand/Arm	< 2.5 m/s^2
Vibration — Seat	< 0.5 m/s^2

Specifications subject to change without notice.

Warning Labels & Information

This vehicle comes with labels containing important safety information. Anyone who rides the snowmobile should read and understand this information before riding. The labels should be considered as permanent parts of the snowmobile. If a label comes off or becomes hard to read, contact your authorized dealer for a replacement.





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Preparing to Safely Operate the ZR 120

■ NOTE: This section and Operating the ZR 120 section must be read and explained to the child/operator by the owner/parent/guardian. Refer to Control Locations or the snowmobile while explaining this section.

Like most boys and girls, you are anxiously waiting to drive the snowmobile. Remember that the snowmobile is not a toy. It must be driven carefully at all times!

First, you must understand the controls, know where the controls are, and know how to use them correctly.

A. **BRAKE LEVER —** To slow down or stop the snowmobile, the brake lever should be pulled (squeezed) toward the handlebar grip.

■ NOTE: When the brake is being used, the throttle lever must be in the idle (released) position.

B. **THROTTLE LEVER** — Controls the speed of the snowmobile. The closer the throttle control lever is to the handlebar grip (the more it is squeezed), the faster the snowmobile will go.

C. **IGNITION SWITCH** — When the key is in the OFF position, the engine will neither start nor run. If the key is in the RUN position, the engine will start and run.

D. **EMERGENCY STOP SWITCH** — If something happens that you do not understand or if there is an emergency, move the emergency stop switch to the OFF (down) position to immediately stop the engine.

E. **TETHER SWITCH** — The engine will neither start nor run unless the tether switch cap is connected to the tether switch located on the top right-hand side of the console. The tether cord **MUST BE** attached to the operator before attempting to start the engine.

Second, you must check several things every time before the engine is started.

A. Make sure the brake lever works properly (moves freely) by pulling (squeezing) the brake lever and releasing it several times.

B. Make sure the throttle lever works properly (moves freely) and that it snaps back to the idle position quickly when it is released. The idle position is when the throttle lever is farthest away from the handlebar grip. If the throttle lever does not snap back quickly, the engine must not be started and the throttle system must be repaired.

C. Make sure that you have enough clothes on to keep yourself warm but NEVER wear clothes such as long or loose scarves or long shoe laces that could get caught in a moving part of the snowmobile.

Third, make sure that you can answer yes to all of the following questions before each ride.

A. Do you have permission from the owner or parent or guardian to operate the snowmobile?

B. Are you wearing an approved safety helmet?

C. Are you wearing something to protect your eyes (such as goggles or a visor)?

D. Are you dressed warmly enough?

E. Are you wearing suitable protective clothing?

F. Has your parent or guardian checked to make sure you have enough gasoline?

G. Do the throttle lever and brake lever move freely?

H. Are all shields and covers in the right place and is the hood securely latched?

I. Do you have a safe area to ride in? Is the area free of rocks, wires, trees, traffic, etc.?

Operating the ZR 120

You must be a responsible, careful, and considerate snowmobile operator at all times. Your safety is our concern and must always be yours.

A. When you are learning how to operate the snowmobile, have a parent or guardian take you to an open area to practice figure eights, starting, and stopping. This practice is important and will give you a good "feel" of the snowmobile. You will also be able to learn how the snowmobile handles under different conditions (deep snow, hard-packed snow, etc.).

B. Always sit on the seat and keep both feet on the running boards when operating the snowmobile. Do not get off the snowmobile until it has come to a complete stop.

C. Never drive the snowmobile faster than a safe speed. Do not drive too close to roads, buildings, trees, other snowmobiles, or people. Never show off!

D. Never operate the snowmobile unless the headlight and taillight are in working order.

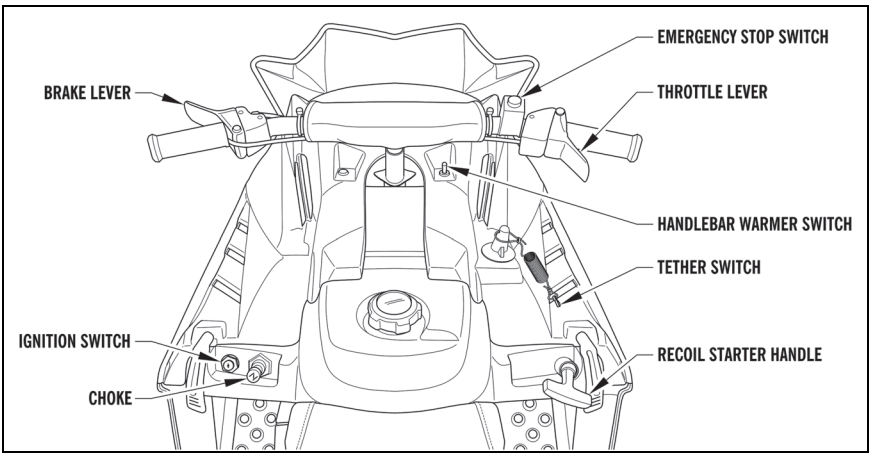
E. The snowmobile is designed for your enjoyment. DO NOT give rides to your friends. It is made to carry only one person.

F. Do not pull sleds, sleighs, etc., behind the snowmobile.

G. If you get stuck, shut the engine off and get help.

General Information

Control Locations



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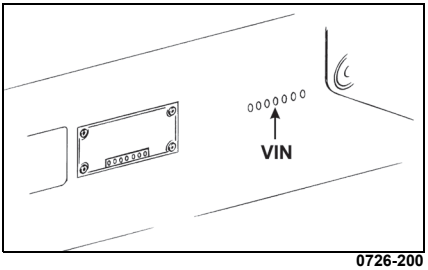
Snowmobile Identification

This snowmobile has two identification numbers: The Vehicle Identification Number (VIN) is stamped into the right side of the tunnel and the Engine Serial Number (ESN) is on the front side of the recoil cover.



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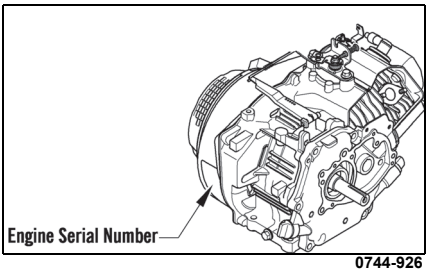

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These numbers are required by the dealer to complete warranty claims properly. No warranty will be allowed by Arctic Cat if either the ESN or VIN is removed or mutilated in any way.

Always provide the snowmobile model name, VIN, and engine serial number when contacting an authorized Arctic Cat Snowmobile dealer for parts, service, accessories, or warranty. If the complete engine must be replaced, ask the dealer to notify Arctic Cat for correct registration information.

Gasoline — Oil

This snowmobile has a four-cycle engine; therefore, it is unnecessary to premix gasoline and oil.

Recommended Gasoline

The recommended gasoline to use in this snowmobile is 87 minimum octane regular unleaded. Oxygenated gasolines are acceptable gasolines. Do not use gasolines containing methanol.

CAUTION

Do not use white gas or gasolines containing methanol. Only Arctic Cat-approved gasoline additives may be used.

■ NOTE: If not satisfied with gasoline economy of the engine when using a gas/alcohol blend, switch to unleaded gasoline without alcohol.

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

⚠ WARNING

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

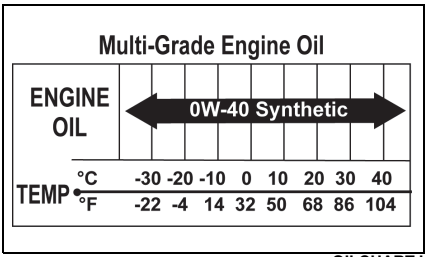
Recommended Oil

■ NOTE: This snowmobile comes from the factory with SAE 0W-40 synthetic oil installed.

The recommended oil to use in the engine is 0W-40 Synthetic oil. See the viscosity chart for details.

CAUTION

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



OILCHARTJ

Snowmobile Specifications

Use the QR code below or go to arctic-cat.com/resources to view the model-specific specifications sheet.

Engine Break-In

The engine requires a short break-in period (approximately 10 operating hours) before being subjected to heavy load conditions or full-throttle operation. Strict adherence to the break-in procedure will contribute to optimum performance and longevity of the engine.

During break-in, a maximum of 1/2 throttle is recommended; however, brief full-throttle accelerations and variations in driving speeds contribute to good engine break-in. After the 10-hour break-in period, the snowmobile may be taken to an authorized Arctic Cat Snowmobile dealer for a checkup and oil change. This service is at the discretion and expense of the snowmobile owner.

Muffler

The muffler is designed to reduce engine noise and improve the total performance of the engine. If the muffler is removed from the engine, severe engine damage will result.

Operating Instructions

Starting and Stopping Engine

⚠ WARNING

Never allow anyone to stand in front of the snowmobile at any time, especially when starting the engine.

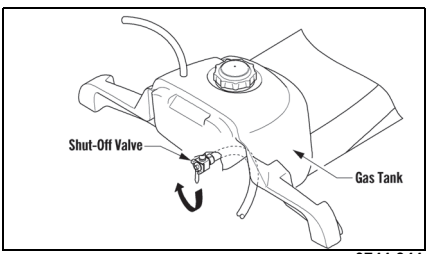
It is imperative that all safety checks found in the accompanying Snowmobile Safety Handbook be performed before attempting to start the engine.

This snowmobile is equipped with a recoil starter. The recoil starter handle is located on the lower right-hand side of the console.

■ NOTE: If the recoil starter rope should break or if the recoil starter should malfunction, take the snowmobile to an authorized Arctic Cat Snowmobile dealer for service.

To start the engine, use the following procedure:

1. Test the throttle lever by completely compressing and releasing it several times. The lever MUST return to the idle position quickly and completely.
2. Open the gas tank shut-off valve located under the gas tank by rotating the valve counterclockwise. Open the valve completely; otherwise, it may close during operation of the snowmobile due to engine vibration.



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3. Insert the key into the ignition switch; then rotate the key to the RUN position.

■ NOTE: Make sure the emergency stop switch is in the ON (up) position and the tether cap is connected to the tether switch.

4. For a cold engine, pull the choke out completely. If the engine is warm, choking is not normally necessary.
5. Pull the recoil starter handle slowly until resistance is felt; then give a short quick pull. The engine should start; however, if the engine does not start, repeat this step.

CAUTION

To avoid damaging the recoil starter, DO NOT pull the recoil starter rope to its limit or release the recoil starter handle from an extended position. Allow recoil rope to rewind slowly.

6. When the engine starts, push the choke approximately halfway in. Allow a cold engine to "warm up" for approximately 2-3 minutes. The choke should be pushed in completely after the "warm up."
7. Flooding — If the engine does not start when the choke is being used but seems ready to start, push the choke in completely.

■ NOTE: Continued choking will only cause the engine to flood more.

■ NOTE: If the engine fails to start during the attempt with the throttle lever compressed, remove the spark plug and clean and dry it thoroughly or install a new, properly gapped, recommended spark plug.

8. To shut the engine off, turn the ignition key to the OFF position, move the emergency stop switch to the OFF (down) position, or pull the tether cap from the tether switch.

■ NOTE: Unless the engine will be started within a short period of time, close the gas tank shut-off valve (located under the gas tank) by rotating the valve clockwise.

CAUTION

If the snowmobile is not to be used for an extended period of time, be sure to close the gas tank shut-off valve.

Periodic Maintenance/Tune-Up Chart

	Daily	1st 10 Hours (2 Weeks)	Every 20 Hours (1 Month)	Every 50 Hours (3 Months)	Every 100 Hours (6 Months)	Every 300 Hours (12 Months)
Valve Clearance						IA
Engine Compression						I
Spark Plug					I	
Fuel Supply Hose	I-R					Replace every 3 years
Gas Tank Shut-Off Valve	I				IC*	
Carburetor Float Chamber	I				C*	
Engine Oil	I	R*			R*	
Nuts/Screws/ Cap Screws	I			T		
Rear Suspension			IC			
Recoil Starter	I					I-IC-IL-*
Air Filter			I*	C*		
Carburetor						IC
Pilot Air Screw						IA
In-Line Fuel Filter			I			

C = Clean
I = Inspect
R = Replace
T = Tighten
IA = Inspect and adjust (if necessary)
IC = Inspect and clean (replace if necessary)
IL = Inspect and lubricate (replace if necessary)
* = Service more frequently if used in adverse conditions

California Proposition 65

⚠ WARNING

The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Maintenance

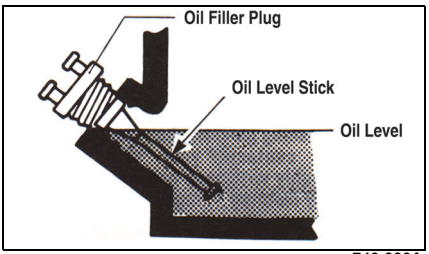
Engine Oil

■ NOTE: After the engine break-in period, the engine oil should be changed every 100 operating hours (6 months) and before prolonged storage.

Checking

The engine oil level should be checked each day before operating the snowmobile. To check the engine oil level, use the following procedure:

■ NOTE: The front of the snowmobile must be elevated until the bottom of the front bumper is approximately 47 cm (18.5 in) off the floor when checking the oil level. Also, ensure the engine is "cooled down" to room temperature to allow the oil to drain into the sump.



740-330A

1. Release the two hold-down straps and open the hood.
2. Rotate the oil level stick counterclockwise; then remove the stick from the crankcase and wipe it clean.

CAUTION

Clean the area around the fill hole to keep dirt, debris, etc., out of the engine.

3. Insert the stick into the crankcase and remove and check oil level on the stick.

CAUTION

Seeing oil in the crankcase does not mean the level is in the safe operating range. Always use the oil level stick to check engine oil. Never operate the engine with the oil level below the point of overflowing the fill hole.

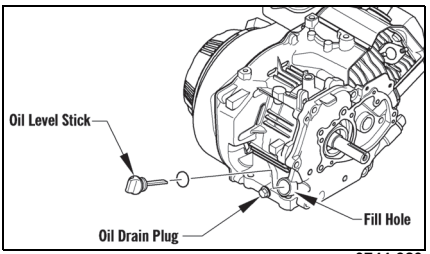
■ NOTE: If the oil level is below the oil level mark, add recommended oil until it reaches the oil level mark.

4. Insert the oil level stick into the crankcase; then rotate the stick clockwise until snug.
5. Close the hood and secure with the straps.

Changing

To change the engine oil, use the following procedure:

■ NOTE: The front of the snowmobile must be elevated until the engine is in a level position when changing the oil.

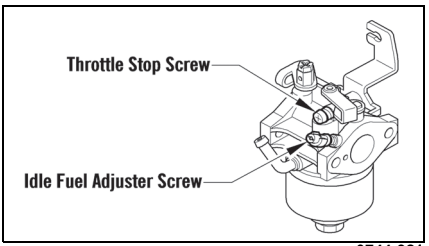


0744-920

1. Remove the access plug; then place a drain pan beneath the engine.
2. Release the two hold-down straps and open the hood.
3. Loosen the oil level stick; then remove the oil drain plug from the crankcase and allow the oil to drain.
4. Install the drain plug.
5. Remove the oil level stick; then pour 600 mL (20.3 fl oz) of recommended oil into the fill hole.
6. Install the oil level stick; then tighten until snug. Install the access plug.
7. Close the hood and secure with the straps.

Carburetor

The carburetor has been calibrated for average riding conditions; however, altitude, temperature, and general wear may necessitate certain carburetor adjustments. Since carburetor adjustments critically affect engine performance, Arctic Cat recommends that any changes in internal carburetor calibration be made by an authorized Arctic Cat Snowmobile dealer; however, three external adjustments can be made on the carburetor. These are the throttle stop screw, idle fuel adjuster screw, and throttle cable.



0744-921

Throttle Stop Screw

This screw controls the seating position of the throttle valve which in turn determines the proper idle speed. Rotate the screw clockwise to increase engine idle speed and counterclockwise to decrease engine idle speed.

Idle Fuel Adjuster Screw

This adjuster screw determines the fuel/air mixture for idling. To adjust, use the following procedure:

1. Start the engine and allow to run at half throttle 5-10 minutes to warm up.
2. Place the throttle in the idle position; then rotate the idle fuel adjuster screw/cap in or out within the adjustment range to obtain smooth low speed performance.

Throttle Cable

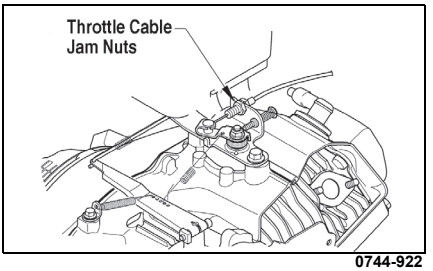
The correct throttle cable adjustment is when (with the engine OFF) the carburetor throttle is completely open (against its limit) while the throttle lever lightly contacts the handlebar grip. The throttle arm on the carburetor should also contact the speed control screw when the throttle lever is released.

To adjust the throttle cable, use the following procedure:

⚠ WARNING

Do not attempt to adjust the throttle cable with the engine running. Personal injury could result.

1. Loosen the throttle cable jam nuts.



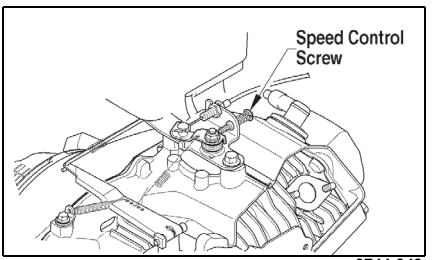
0744-922

2. Pull all slack from the throttle cable wire and exert slight tension on the wire.
3. Tighten the throttle cable jam nuts.

⚠ WARNING

DO NOT operate the snowmobile when any component in the throttle system is damaged, frayed, kinked, worn, or improperly adjusted. If the snowmobile is operated when the throttle system is not functioning properly, personal injury could result.

Speed Control Screw



0744-949

The maximum speed of the snowmobile can be reduced by adjusting the speed control screw.

To reduce the maximum speed, rotate the speed control screw clockwise. DO NOT EVER INCREASE THE MAXIMUM SPEED BEYOND THE ORIGINAL 8 MPH (12.8 KM/H) MAXIMUM!

In-Line Fuel Filter

⚠ WARNING

Whenever any maintenance or inspection is made on a fuel system when there may be fuel leakage, there should be no welding, smoking, open flames, etc., in the area.

Arctic Cat recommends that the in-line fuel filter be checked once a month. The filter is located in the fuel hose between the gas tank and carburetor. The only cleaning possible is to back-flush the filter using clean gasoline. To check, clean, or replace the filter, use the following procedure:

1. Turn the gas tank shut-off valve to the CLOSED position.
2. Remove and discard the clamps; then pry the fuel hoses off the in-line fuel filter and remove the filter.
3. Install the in-line fuel filter in the fuel hose so the arrow on the filter points toward the carburetor. Make sure the fuel hoses fit tightly on the filter. If a fuel hose does not fit tightly, cut 6 mm (1/4 in) from the end of the fuel hose; then install on the filter. Install new clamps.

CAUTION

The fuel hoses must fit tightly on the fuel filter. If the fuel hose length doesn't permit this procedure, replace the fuel hose. Also, after installing the fuel hoses on the filter, check to be sure that the fuel hoses do not contact any hot or rotating components.

4. Turn the gas tank shut-off valve to the OPEN position.

Air Cleaner/Filter

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

CAUTION

Failure to inspect the air filter frequently if the snowmobile is used in adverse conditions can damage the engine.

1. Remove the two screws securing the air cleaner cover; then remove the cover.
2. Remove the foam filter from the housing.
3. Clean the foam filter in a non-flammable cleaning solvent; then allow the filter to dry.
4. Put the dry filter in a plastic bag; then pour in recommended air filter oil and work the oil into the filter.

CAUTION

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

5. Clean any debris from inside the air cleaner. Be sure no debris enters the carburetor.
6. Place the filter into the housing.
7. Place the air cleaner cover onto the housing; then secure with the two screws.

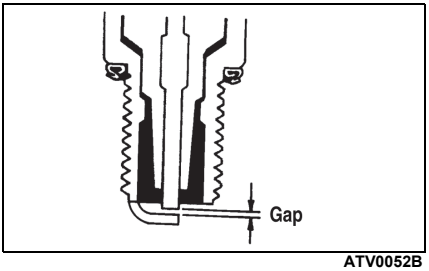
Spark Plug

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

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

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

Adjust the gap to specified amount (see specifications chart) for proper ignition. Use a feeler gauge to check the gap.



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

Brake

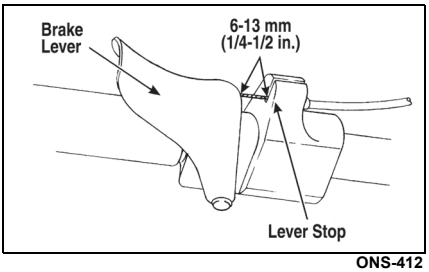
⚠ WARNING

DO NOT operate the snowmobile when any component in the brake system is damaged, worn, or adjusted improperly.

Arctic Cat recommends that the complete brake system be checked daily for wear or damage and for smooth operation. Periodically, the brake band should be inspected for cracks and to ensure the liner is intact and not worn excessively. Replace the brake band if cracked or worn excessively.

Checking Brake Lever Travel

1. Compress the brake lever fully.
2. Check the distance between the brake lever and the lever stop. The distance must be within the specified range of 6-13 mm (1/4-1/2 in).



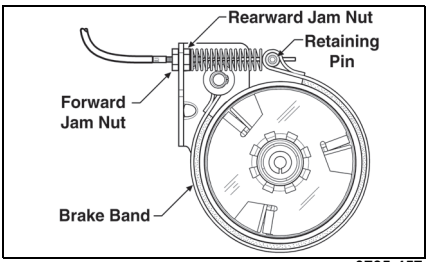
ONS-412

3. If travel distance is not as specified, adjust the brake.

Adjusting Brake Lever Travel

To adjust the brake lever travel, use the following procedure:

1. Remove the drive chain shield.
2. Loosen the rearward brake cable jam nut; then tighten the forward jam nut to set up the brake.



0735-457

3. Check the brake lever travel distance periodically while tightening the forward jam nut. When the distance is within the specified range of 6-13 mm (1/4-1/2 in), tighten the rearward jam nut to secure the adjustment.

Drive Chain

The drive chain should be lubricated every 10 operating hours with Arctic Cat Synthetic Chain Lube (p/n 0436-903) or with a suitable dry, graphite-based chain lubricant. By using the recommended chain lube or a dry, graphite-based chain lubricant, dirt buildup on the drive chain will be minimized. Before each lubrication, inspect the drive chain for dirt accumulation.

To lubricate the drive chain, shut the engine off and wait for all moving parts to stop, remove the drive chain shield, and lubricate the drive chain. After lubricating the drive chain, install the drive chain shield.

■ NOTE: If the recommended chain lube or a dry, graphite-based chain lubricant is not available, lubricate the drive chain with several drops of petroleum-based oil. If the snowmobile is operated in the summer with the optional wheel kit, the drive chain should be lubricated more frequently.

Drive Chain Tensioner

The drive chain tensioner is automatic; therefore, no adjustment is required by the snowmobile owner. The tensioner and chain should be checked annually for proper operation and excessive wear and replaced when necessary. Check the tensioner by pushing down on it and releasing it. It should immediately spring back and put tension on the drive chain.

Track Tension

■ NOTE: Track tension and track alignment are interrelated; therefore, always check both, even if only one adjustment seems necessary.

Track tension is directly related to the overall performance of the snowmobile. If the track is too loose, it may slap against the tunnel causing wear, or it may ratchet on the track drive sprockets. Arctic Cat recommends that the track tension be checked once a month and adjusted accordingly.

⚠ WARNING

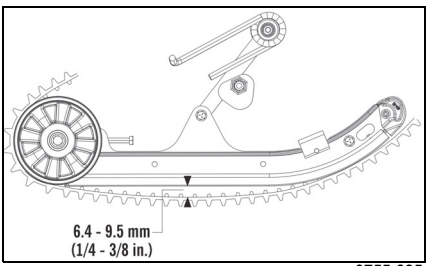
Track tension must be properly maintained. Personal injury could result if a track is allowed to become excessively loose.

Checking

⚠ WARNING

DO NOT attempt to check or adjust track tension with engine running. Turn ignition key to the OFF position. Personal injury could result from contact with a rotating track.

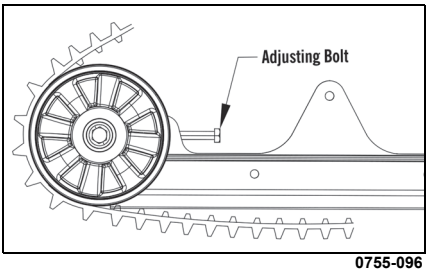
1. Remove excess ice and snow buildup from the track, track drive sprockets, and the inside of the skid frame.
2. Place the rear of the snowmobile up on a safety stand high enough so the track is free of the floor.
3. Without exerting any pressure on the track, measure the distance between the bottom of the wear strip and the inside surface of the track. The measurement must be within specifications of 6.4-9.5 mm (1/4-3/8 in). If the measurement is not within specifications, an adjustment is necessary.



0755-095

Adjusting

1. Loosen the idler wheel cap screws.
2. If the deflection (distance between the bottom of the wear strip and the inside of the track) exceeds specifications, tighten the adjusting bolts to take up excessive slack in the track.
3. If the distance between the bottom of the wear strip and the inside surface of the track is less than specified, loosen the adjusting bolts to increase the slack in the track.



0755-096

■ **NOTE: To ensure proper track tension adjustment, perform all adjustments on both sides of the snowmobile.**

4. Check track alignment (see Track Alignment section).
5. When proper track tension is obtained, tighten idler wheel cap screws securely.

■ **NOTE: Since track tension and track alignment are interrelated, always check both even if only one adjustment seems necessary.**

⚠ WARNING

If jam nuts are not tightened properly, the adjusting bolts could loosen, causing the track to become extremely loose and, under some operating conditions, allow the idler wheels to climb over the track lugs forcing the track against the tunnel causing the track to "lock." If a track "locks" during operation, severe personal injury could result.

Track Alignment

Proper track alignment is obtained when the idler wheels are equal distance from the edge of the track. Excessive wear to the idler wheels, drive lugs, and track will occur if the track is improperly aligned. Arctic Cat recommends that the track alignment be checked once a week or whenever the track tension is adjusted.

Checking

⚠ WARNING

Make sure the ignition key is in the OFF position and the track is not rotating before checking or adjusting track alignment. Personal injury could result if contact is made with a rotating track.

1. Remove excess ice and snow buildup from the track, track drive sprockets, and the inside of the skid frame.
2. Position the tips of the skis against a wall; then using a shielded safety stand, raise the rear of the snowmobile off the floor making sure the track is free to rotate.

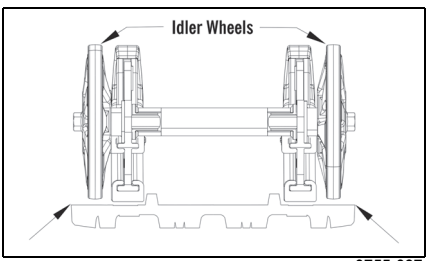
⚠ WARNING

The tips of the skis must be positioned against a wall or similar object for safety.

3. Start the engine and accelerate slightly. Use only enough throttle to turn the track several revolutions. SHUT ENGINE OFF.

■ **NOTE: Allow the track to coast to a stop. DO NOT apply the brake because it could produce an inaccurate alignment condition.**

4. When the track stops rotating, check the relationship of the idler wheels and the outside edge of the track. If the distance from the idler wheels to the outside edge of the track is the same on both sides, no adjustment is necessary.

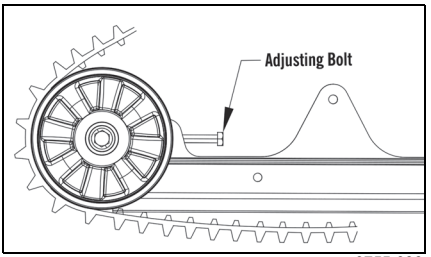


0755-097

5. If the distance from the idler wheels to the inner track drive lugs is not the same on both sides, an adjustment is necessary.

Adjusting

1. On the side of the track which has the inner track drive lugs closer to the idler wheel, loosen the idler wheel cap screw and the adjusting bolt jam nut; then rotate the adjusting bolt clockwise 1 to 1-1/2 turns.



0755-096

2. Check track alignment and continue adjustment until proper alignment is obtained.

■ NOTE: Make sure correct track tension is maintained after adjusting track alignment (see Track Tension section).

3. After proper track alignment is obtained, tighten the idler wheel cap screw securely.
4. Field test the track under actual conditions.
5. After the field test, check the alignment of the track. If additional adjustment is necessary, repeat Adjusting Track Alignment procedure.

Adjusting Front Ski Shock Springs

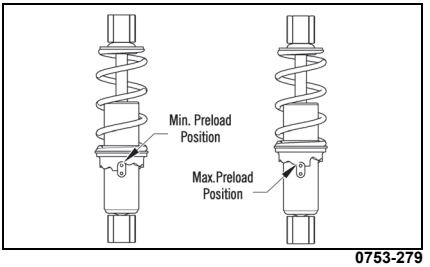
The front ski shock springs are individually adjustable for the driving style of the operator.

■ NOTE: Equal adjustments should be maintained on both sides of the snowmobile.

The front shock absorbers have a preload adjustment sleeve with five preload adjustment positions to increase or decrease coil spring tension.

To adjust the spring tension, rotate the preload adjustment sleeve with a suitable spanner wrench until the desired spring tension is achieved.

Position	Spring Tension	Setting	Load
1	↓	Soft	Light
2		↕	↕
3			
4			
5	Stronger	Stiff	Heavy



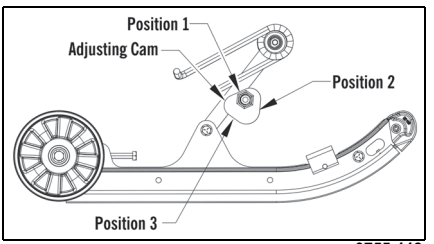
0753-279

Adjusting Rear Spring Tension

Rear spring tension adjustment is accomplished by rotating the adjusting cams. Position 3 provides the stiffest ride, and position 1 is for the light driver or slow-speed trail riding. Position 2 is for the average operator under normal conditions. Always rotate the cam from the lighter position to the heavier position.

CAUTION

Never force the adjustment cams from the low position to the high position. Cam damage may occur.



0755-113

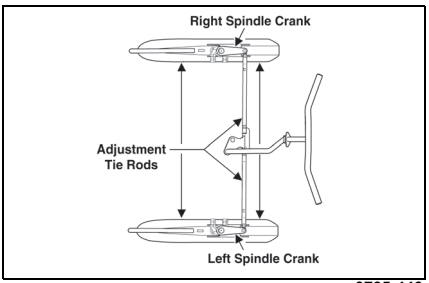
Using a 13/16-in wrench, rotate the cam until it is in the desired position. To stiffen the ride, rotate the cam so as to raise the spring end. Make the adjustment on the other cam and be sure both cams are adjusted equally.

Ski Alignment

The skis have been aligned during setup of the snowmobile. Ski alignment usually will not change unless a rock or similar hard object is hit while the snowmobile is being operated. Arctic Cat recommends that the ski alignment be checked once a week.

Checking

1. Turn the handlebar to the straight-ahead position.
2. Measure the distances to the inside edges of the skis. Make sure the measurements are taken behind the front mount bracket and ahead of the rear mount bracket.



0735-446

■ NOTE: Ski alignment is correct when the skis are parallel to each other (equal measurements front and rear) or when the skis have up to a maximum of 6 mm (1/4 in) "toe out" (front measurement 6 mm [1/4 in] more than rear measurement).

3. If ski alignment is not as specified, the snowmobile will have a tendency to wander and may be difficult to control; therefore, an adjustment is necessary.

Adjusting

1. Make sure the ignition key is in the OFF position.
2. Visually examine the skis to determine which ski is out of alignment with respect to the handlebar.
3. Open the hood and loosen the jam nut on each end of the adjustment tie rod.
4. While holding the ski in position, rotate the adjustment tie rod until the measurement between the skis is within specifications.
5. When the ski alignment is correct, apply blue Loctite 243 to the jam nut threaded areas and tighten each jam nut securely against its adjustment tie rod.

⚠ WARNING

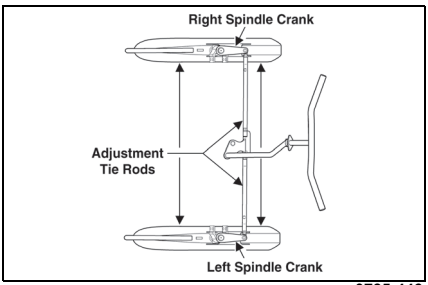
Neglecting to lock the tie rod by tightening the jam nuts against the adjustment tie rod may cause loss of snowmobile control and possible personal injury.

Steering Alignment

Visually examine the steering alignment by placing the handlebar in the straight-ahead position and checking to be sure the skis are pointing straight ahead. If the skis are not pointing straight ahead, adjust using the following procedure:

■ NOTE: The following procedure can be used to adjust the alignment of either ski.

1. Determine which ski is out of alignment; then unlock the adjustment tie rod by loosening the jam nuts.



0735-446

2. Adjust the ski alignment by rotating the adjustment tie rod.

3. When steering alignment is correct, apply blue Loctite 243 to the jam nut threaded areas and tighten each jam nut securely against its adjustment tie rod.

⚠ WARNING

Neglecting to lock the steering tie rod by tightening the jam nuts against the adjustment tie rod may cause loss of snowmobile control and possible personal injury.

Ski Wear Bar

The ski wear bar is a replaceable bar attached to the underside of the ski. The purpose of the wear bar is to assist in turning the snowmobile, to minimize ski wear, and to maintain good steering control. If the snowmobile is operated primarily in deep snow, ski wear bar wear will be minimal; however, if the snowmobile is operated on terrain where the snow cover is minimal, the ski wear bar will wear faster.

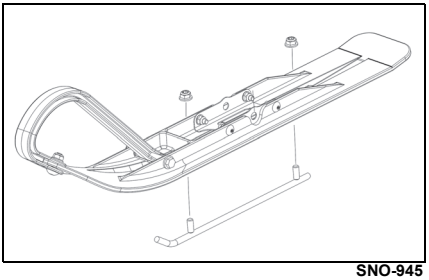
To maintain positive steering characteristics, Arctic Cat recommends that the ski wear bars be checked once a week and replaced if worn to 1/2 of original diameter. Ski wear bars are available from an authorized Arctic Cat Snowmobile dealer.

⚠ WARNING

Operating the snowmobile with excessively worn ski wear bars may result in a loss of steering control.

Removing

1. Raise the front of the snowmobile.
2. Remove the lock nuts securing the wear bar to the ski.



SNO-945

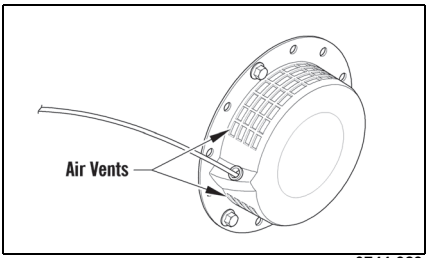
3. Remove the wear bar.

Installing

1. Insert the wear bar studs into the holes in the ski.
2. Center the wear bar studs in the holes and install the lock nuts.
3. Tighten lock nuts securely.

Recoil Starter Air Vents

It is important for proper engine cooling that the air vents located on the recoil starter are kept clean. These air vents should be checked periodically and cleaned if necessary.



0744-923

CAUTION

Serious overheating of the engine and engine damage will result if the air vents are not kept clean.

Lights

To change the headlight bulb, use the following procedure:

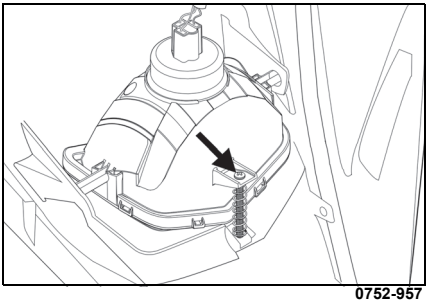
1. Open the hood; then disconnect the harness connector from the headlight bulb.
2. Remove the bulb from the housing by rotating it counterclockwise until loose.

CAUTION

Do not touch the glass portion of the bulb. If the glass portion is touched, it must be cleaned with a dry cloth before installing.

3. Install the new bulb into the housing; then rotate the bulb clockwise to lock it into place.

The headlight aim can be adjusted to provide maximum illumination for the operator. To adjust headlight aim, adjust the screw until maximum illumination for the operator is apparent.



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Preparation for Storage

Prior to storing the snowmobile, it is extremely important that it be properly serviced to prevent corrosion and component deterioration. Arctic Cat recommends the following procedure to prepare the snowmobile for storage:

1. Clean the seat cushion with Vinyl Protectant and a damp cloth.
2. Clean the snowmobile thoroughly by hosing dirt, oil, grass, and other foreign matter from the undercarriage, tunnel, hood, and belly pan. Allow the snowmobile to dry thoroughly. DO NOT get water into any part of the engine.
3. Drain all gas from the gas tank. Close the gas tank shut-off valve by rotating it clockwise; then drain the gasoline from the carburetor by loosening the drain screw on the carburetor float chamber.
4. Plug the muffler outlet with a clean cloth.
5. With the ignition key in the OFF position:
   A. Disconnect the high tension wire from the spark plug; then remove the spark plug.
   B. Pour 10 mL (approximately two teaspoons) of petroleum-based oil into the spark plug hole; then pull the recoil starter handle slowly about five times.

CAUTION

Never crank the engine over without grounding the spark plug. Damage to the transistorized ignition may result.

   C. Install the spark plug and connect the high tension wire.
6. Remove the drive chain and clean thoroughly in a solvent. Install drive chain and lubricate with a dry, graphite-based chain lubricant.
7. Change the oil; then clean the air filter.
8. Tighten all screws, nuts, and cap screws securely.
9. Make sure all rivets holding components together are tight. Replace all loose rivets.
10. Clean and polish the hood, console, and chassis. DO NOT USE SOLVENTS. THE PROPELLANT WILL DAMAGE THE FINISH.
11. If possible, store the snowmobile indoors. Raise the rear of the snowmobile off the floor and block up the rear end. Cover the snowmobile with a snowmobile cover to protect it from dirt and dust.
12. If the snowmobile must be stored outdoors, block the entire snowmobile off the ground and cover it with a snowmobile cover to protect it from dirt, dust, and rain.

CAUTION

Avoid using a plastic cover as moisture will collect on the snowmobile causing corrosion.

Preparation after Storage

Taking the snowmobile out of storage and correctly preparing it for operation will ensure many miles and hours of trouble-free snowmobiling. Arctic Cat recommends the following procedure to prepare the snowmobile:

1. Clean the snowmobile thoroughly. Polish the exterior of the snowmobile using the cleaner.
2. Clean the engine cooling fins and the recoil starter vents. Remove the cloth from the muffler.
3. Check all control wires and cables for signs of wear or fraying. Replace if necessary. Use cable ties or tape to route wires and cables away from hot or rotating parts.
4. Inspect the drive chain and drive chain tightener. Replace if necessary.
5. Lubricate the drive chain with recommended lube or with a dry, graphite-based chain lubricant.
6. Check brake-lever travel distance, all controls, ski alignment, track tension, track alignment, brake band, and ski wear bars; adjust or replace as necessary.
7. Examine the in-line fuel filter and clean or replace if necessary.
8. Fill the gas tank.
9. Clean the seat cushion with the vinyl protectant.
10. Check the spark plug (clean, gap, and/or replace as necessary); then start the engine and ensure proper carburetor adjustments.

Limited Warranty

Arctic Cat Inc. (hereinafter referred to as Arctic Cat) extends a limited warranty as described below on each new Arctic Cat Snowmobile it assembles and on each genuine Arctic Cat Snowmobile part and accessory assembled and sold by an authorized Arctic Cat Snowmobile dealer. The limited warranty on an Arctic Cat Snowmobile is extended to the original retail purchaser for the time periods described below; however, the balance of the remaining warranty may be transferred to another party unless the purchase is for commercial use (see below). Warranty coverage is only available in the country in which the original retail purchase occurs to the original retail purchaser resident in that country or to a transferee resident in that country of the balance of the remaining warranty.

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

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

The warranty periods are as follows:

1. For snowmobiles used for recreational purposes:
   — If purchased between May 1 and November 30, warranty expires ONE (1) YEAR from December 1 of the current year.
   — If purchased between December 1 and April 30, ONE (1) YEAR from the date of sale.
2. For snowmobiles used for commercial purposes (including rental operations), ONE (1) YEAR from the date of invoice and/or 5000 MILES whichever comes first (non-transferable).
3. THIRTY (30) DAYS from date of sale of snowmobile on Arctic Cat-supplied batteries.

Exclusions to this warranty include normal wear, abuse (i.e. a track run on marginal snow conditions without proper lubrication or additional idler wheels), and the following parts:

Fuel Filter	Light Bulbs	Windshield	Drive Belt	Torn or Punctured Upholstery
Wear Bars	Brake Pads	Spark Plugs	Drive Clutch/Driven Clutch Wear Parts	
Wear Strips	Shock Absorber(s)*		Non-Warning Decals	

*Limited to one (1) year or 1000 miles of "normal" riding conditions — replace for defective or leaking shock, corroded or pitted shaft, peeling chrome.

■ **NOTE: Snowmobiles that are factory equipped with FOX shocks and experience a shock failure within the factory warranty period (1 year) must not be tampered with. Only the "Schrader" (air pressure) valve is serviceable during the warranty period. Failures (air leaks) must be confirmed by following the test procedure as shown in the service manual. Any other tampering with the shock will void the FOX warranty.**

The following will VOID Arctic Cat's warranty:

1. Failure to perform the proper break-in procedure and all related maintenance, storage procedures (if stored for extended periods), and/or service as recommended in the Operator's Manual.
2. Repairs and/or adjustments by anyone other than an authorized Arctic Cat Snowmobile dealer.
3. Use of an improper fuel mixture ratio.
4. Use of improper carburetor jets.
5. Use of improper gasoline, lubricating oils, or spark plugs.
6. An accident or subjecting the snowmobile to misuse, abuse, or negligent operation.
7. Any modification, addition, or removal of parts unless instructed to do so by Arctic Cat.
8. Use of the snowmobile in any way for racing purposes.
9. Removal of the engine for use in another vehicle.
10. Removal or mutilation of the Vehicle Identification Number or Engine Serial Number.
11. Use of parts not sold or approved by Arctic Cat.
12. Track and tunnel damage resulting from either ice stud or hooker plate installation.
13. Damage due to improper transportation.

Arctic Cat shall not be responsible for and this limited warranty excludes recovery of economic, punitive, consequential and incidental damages, lost profits, and loss of use. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. Arctic Cat's aggregate liability may not exceed the price of the product. The law of the State of Minnesota shall apply to all claims or disputes, exclusive of its conflicts of law provisions.

IMPLIED WARRANTY EXCLUSION AND DISCLAIMER

To the fullest extent permitted by law, Arctic Cat excludes and disclaims all implied warranties of merchantability and fitness for a particular purpose.

If you are not satisfied with warranty service or repairs, you should contact Arctic Cat at: 1-800-279-2281.

Warranty Procedure/Owner Responsibility

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

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

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

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

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

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

Arctic Cat, 601 Brooks Ave, Thief River Falls, MN 56701 USA — 1-800-279-2281.

U.S. EPA Emission Control Statement/Warranty Coverage — Snowmobile (U.S. Only)

STATEMENT/WARRANTY

Arctic Cat warrants to the original retail purchaser, and each subsequent purchaser, that all U.S. EPA-certified Arctic Cat snowmobiles are designed, built, and equipped to conform to all U.S. EPA Emission Control Regulations. Please read the following information completely.

Your authorized Arctic Cat snowmobile dealer will repair or replace any defective emission-related component at no cost to you during the warranty period. You may have non-warranty service performed by any repair establishment that uses equivalent components. The regulations provide significant civil penalties for tampering that causes your snowmobile to no longer meet U.S. EPA emission standards.

Arctic Cat further warrants that the engine and its emission-related components are free from defects in materials or workmanship that could cause the engine to fail to comply with applicable regulations during the warranty period.

If you have any questions about this information, or the emission warranty coverage statement, contact your local authorized Arctic Cat snowmobile dealer.

WARRANTY PERIOD

The emission warranty period for this snowmobile begins on the same date as the standard warranty coverage and continues for 30 months or 2500 miles, whichever comes first.

COMPONENTS COVERED

The emissions warranty covers major emissions control components and emission-related components listed as follows:

Engine Management and Sensors*

- Barometric Pressure Sensor
- Camshaft Position Sensor
- Engine Control Module (ECM)
- Engine Coolant Temperature Sensor
- Intake Air Temperature Sensor
- Manifold Absolute Pressure Sensor
- Throttle Position Sensor

Fuel/Air System*

- Fuel Injectors
- Fuel Pressure Regulator
- Fuel Pump
- Carburetor(s)
- Throttle Bodies
- Turbocharger
- Oxygen Sensor
- Crankcase Ventilation System
- ISC Valve
- Gas Tank & Gas Tank Cap
- Fuel Line

Ignition System*

- Ignition Coil
- Knock Sensor System
- Crankshaft Position Sensor
- Exhaust Temperature Sensor
- Capacitive Discharge Ignition (CDI) Module
- Magneto Pick-Up
- Spark Plugs

Miscellaneous Items Used in Aforementioned Systems*

- Connectors
- Switches
- Grommets
- Clamps
- Hoses
- Ties
- Gaskets
- Wiring

*** Only applicable when equipped from factory.**

For U.S. EPA Emission Control Warranty coverage questions, contact Arctic Cat at 1-800-279-2281.

OWNER'S RESPONSIBILITIES

The owner of any snowmobile warranted under this Arctic Cat Emission Control Statement is responsible for the proper maintenance and use of the snowmobile in accordance with Arctic Cat's recommendations in the Operator's Manual. It is the owner's responsibility to ensure that the snowmobile is used in a manner for which it was designed.

Change of Address, Ownership, or Warranty Transfer

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

This form may also be used to transfer the unused portion of the original warranty to a second party. In order to transfer warranty, fill out this form completely; then return a copy of this form to Arctic Cat Inc. Arctic Cat will then process the application and issue warranty for the balance of the time remaining of the original warranty. Warranty coverage is only available in the country in which the original retail purchase occurs to the original retail purchaser resident in that country or to a transferee resident in that country of the balance of the remaining warranty. This form may also be scanned and emailed to arcticcatwarranty@arcticcat.com.

- ❑ Address Change
- ❑ Ownership Change
- ❑ Warranty Transfer

CHANGE OF ADDRESS/OWNERSHIP/WARRANTY TRANSFER TO:

Name _____

Address _____

City/State (Province) _____

Zip Code (Postal Code) _____

Phone ( ) _____

Email _____

Year and Model _____

Vehicle Identification Number (VIN) _____

Fold Back

Place
Stamp
Here

CHANGE OF ADDRESS/OWNERSHIP

ARCTIC CAT INC.
PRODUCT SERVICE AND WARRANTY DEPT.
601 BROOKS AVE
THIEF RIVER FALLS MN 56701
USA

Reference Information

Write the appropriate information for your Arctic Cat Snowmobile in the spaces below. Always use these numbers when referring to your snowmobile.

Model: _____

Date of Purchase: _____

Vehicle Identification Number: _____

Engine Serial Number: _____

Your Arctic Cat Dealer: _____

Address: _____

Phone: _____

Parts and Accessories

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

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

Printed in U.S.A. Trademarks of Arctic Cat Inc. Thief River Falls, MN 56701
Phone: 1-800-279-2281