operator's manual







model
V.I.N
purchase date
warranty expiry date
To be completed by dealer at time of sale

DEALER IMPRINT AREA				

AFTER SALES SERVICE BOMBARDIER INC. VALCOURT, QUEBEC CANADA, JOE 2LO



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FOREWORD

The operator manual and the Snowmobile Safety Handbook have been prepared to acquaint the owner/operator or passenger of a new snowmobile with the various vehicle controls, maintenance and safe operating instructions. Each is indispensable for the proper use of the product, and should be kept with the vehicle at all times.

Should you have any questions pertaining to the warranty and its application, please consult the "Often Asked Question" section of this manual, or your authorized dealer.

This manual uses the following symbols.

WARNING: Identifies an instruction which, if not followed, could cause serious personal injuries including possibility of death.

CAUTION: Denotes an instruction which, if not followed, could severely damage vehicle components.

NOTE: Indicates supplementary information needed to fully complete an instruction.

Although the mere reading of such information does not eliminate the hazard, your understanding of the information will promote its correct use. The information and components/system descriptions contained in this manual are correct at time of publication. Bombardier Inc. however, maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on products previously manufactured.

Bombardier Inc. reserves the right at any time to discontinue or change specifications, designs, features, models or equipment without incurring obligation.

The illustrations show the typical construction of the different assemblies and, in all cases, may not reproduce the full detail or exact shape of the parts shown, however, they represent parts which have the same or a similar function.

Most specifications are given in both metric and customary units. Where precise accuracy is not required, some conversions are rounded to even numbers for easier use.

A shop manual can be obtained for complete service, maintenance and repair information.

WARNING: The engines and the corresponding components identified in this manual should not be utilized on product(s) other than those mentioned on the cover page of this manual.

WARNING: Maintenance procedures and tightening torques must be strictly adhered to, never attempt repairs unless the appropriate tools are available. CAUTION: Most components of this vehicle are built with parts dimensioned in the metric system. Most fasteners are metric and must not be replaced by customary fasteners or vice versa. Mismatched or incorrect fasteners could cause damage to the vehicle or possible personal injury.

Observe the following precautions:

- Throttle mechanism should be checked for free movement before starting engine.
- Do not operate vehicle near snow making equipment.
- The snowmobile engine can be stopped by activating the emergency cutout switch, tether switches or turning off the key.
- Clean and check operation of the headlight, tail light and brake light.
- Engine should be running only when belt guard and/or pulley guard is secured in place.
- Never run the engine without drive belt installed. Running an unloaded engine can prove to be dangerous.
- Never run the engine when the track is raised off the ground.
- It can be dangerous to run engine with the hood removed.
- Gasoline is flammable and explosive under certain conditions. Always manipulate in a well ventilated area. Do not smoke or allow open flames or sparks in the vicinity. If gasoline fumes are noticed while driving, the cause should be determined and corrected without delay.
- Maintain your vehicle in top mechanical condition at all times.
- Your snowmobile is not designed to be driven or operated on black top, bare earth, or other abrasive surfaces. On such surfaces abnormal and excessive wear of critical parts is inevitable.

- Your snowmobile is not designed to be operated on public streets, road or highways. In most States and Provinces, it is considered an illegal operation.
- Installation of other than standard equipment, including ski-spreaders, bumpers, pack racks, etc., could severely affect the stability and safety of your vehicle. Avoid adding on accessories that alter the basic vehicle configuration.
- Whenever the vehicle is parked outdoors, overnight or for a long period, it is suggested to protect it against the inclemency of the weather with a snowmobile cover.
- Do not lubricate throttle and/or brake cables and housings.
- Only perform procedures as detailed in this manual. Unless otherwise specified, engine should be turned OFF for all lubrication and maintenance procedures.
- This vehicle is designed for the driver only. No provisions have been made for a passenger.
- Should removal of a locking device be required when undergoing repairs/disassembly, always replace by new ones. Tighten fasteners as specified in the applicable Shop Manual.

PLEASE READ AND UNDERSTAND ALL WARNINGS AND CAUTIONS IN THIS MANUAL AND ON THE VEHICLE.

THIS MANUAL SHOULD REMAIN WITH THE VEHICLE AT THE TIME OF RESALE

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THE 1988 SNOWMOBILE LIMITED WARRANTY____

1 - PERIOD

BOMBARDIER® INC. as manufacturer, warrants FROM THE DATE OF DELIVERY TO THE FIRST CONSUMER, every 1988 BOMBARDIER snowmobile, sold as NEW AND UNUSED, and predelivered by an authorized BOMBARDIER dealer for a period of:

• 12 consecutive months.

2 - WHAT BOMBARDIER WILL DO

BOMBARDIER will repair and/or replace, at its option, components defective in material and/or workmanship (under normal use and service), with a genuine BOMBARDIER component without charge for parts or labour, at any authorized BOMBARDIER dealer during said warranty period.

3 - CONDITION TO HAVE WARRANTY WORK PERFORMED

Present to the servicing dealer, the hard copy of the BOMBARDIER Warranty Registration card or proof of purchase received by the customer from the selling dealer at time of delivery.

4 - WARRANTY TRANSFER

This warranty is transferable to subsequent owner(s) for remainder of warranty period from original date of delivery.

5 - EXCLUSIONS - ARE NOT WARRANTED

- Normal wear on all items such as, but not limited to:
 - drive belts bulbs
 - slider shoes runners on skis
 - spark plugs
- Replacement parts and/or accessories which are not genuine BOMBARDIER parts and/or accessories.
- Damage resulting from installation of parts other than genuine BOMBARDIER parts.
- Damage caused by failure to provide proper maintenance as detailed in the Operator's Manual. The labour, parts and lubricants costs of all maintenance services, including tune-ups and adjustments will be charged to the owner.
- Vehicles designed and/or used for racing purposes.
- All optional accessories installed on the vehicle. (The normal warranty policy for parts and accessories, if any, applies).
- Damage resulting from accident, fire or other casualty, misuse, abuse or neglect.
- Damage resulting from operation of the snowmobile on surfaces other than snow.
- Damage resulting from modification to the snowmobile not approved in writing by BOMBARDIER.

4 ____

• Losses incurred by the snowmobile owner other than parts and labour, such as, but not limited to, transportation, towing, telephone calls, taxis, or any other incidental or consequential damage.

6 - BATTERY WARRANTY:

• 12 consecutive months. (Pro-rated)

100% warranty coverage will start on the date the snowmobile was delivered and run to the following April 30th. The remainder of the 12 month-period will be pro-rated as follows:

- 50% from April 30th to December 1st.
- 40% from December 1st to December 31st.
- 30% from January 1st to end of warranty.

7 - EXPRESSED OR IMPLIED WARRANTIES

This warranty gives you specific rights, and you may also have other legal rights which may vary from state to state, or province to province. Where applicable this warranty is expressly in lieu of all other expressed or implied warranties of BOMBARDIER, its distributors and the selling dealer, including any warranty of merchantability or fitness for any particular purpose; otherwise the implied warranty is limited to the duration of this warranty. However, some states or provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply.

Neither the distributor, the selling dealer, nor any other person has been authorized to make any affirmation, representation or warranty other than those contained in this warranty, and if made, such affirmation, representation or warranty shall not be enforceable against BOMBARDIER or any other person.

Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply.

BOMBARDIER INC. reserves the right to modify its warranty policy at any time, being understood that such modification will not alter the warranty conditions applicable to vehicles sold while the above warranty is in effect.

8 - CONSUMER ASSISTANCE

- If a servicing problem or other difficulty occurs, we suggest the following:
- 1. Try to solve the problem at the dealership with the Service Manager or Owner.
- 2. If this fails, contact your area distributor listed in the Operator's Manual.
- 3. Then if your grievance still remains unsolved, you may write to us:

Bombardier Inc. Service Department Recreational Products Division Valcourt (Quebec), Canada, JOE 2LO September 1986 Bombardier Inc. Valcourt (Quebec), Canada, JOE 2LO

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OFTEN ASKED QUESTIONS

Q: Why must my snowmobile be registered at the factory? After all I do have my original invoice as proof of when I purchased my snowmobile.

A: Your warranty is valid at any authorized dealer of the product. Your registration is the key element in providing the servicing dealer with the necessary data to complete warranty claim forms. This information is also used to notify owners in the event of a safety recall.

Q: Who should send the registration card to Bombardier Inc.?

A: The dealer. However, it is important that the customer make sure that it has been sent. The company might contact you should your vehicle be recalled or in case of a particular warranty campaign.

Q: I bought my snowmobile in O'King County but I snowmobile in Washington County. Can the dealer in Washington County accept to perform warranty work on my snowmobile?

A: Yes, any authorized dealer in North America can perform warranty repairs, providing the customer warranty registration card is presented.

Q: Where can I find information on the lubrication and maintenance of my snow-mobile?

A: In this Operator Manual provided with the vehicle at the time of delivery.

Q: Will the entire warranty be void or cancelled, if I do not operate or maintain my new snowmobile exactly as specified in the Operator's Manual?

A: The warranty of the new snowmobile cannot be ''Voided'' or ''Cancelled''. However, if a particular failure is caused by operation or maintenance other than is shown in the Operator Manual, THAT failure may not be covered under warranty. This includes service work performed by the customer, especially the critical adjustments to ignition, timing, carburation and oil injection/or oil mixture.

Q: Would you give some examples of abnormal use or strain, neglect or abuse?

A: These terms are general and overlap each other in areas. Some specific examples may include: running the machine out of oil, chain failure caused by a lack of lubrication, operating the machine with a broken or damaged part which causes another part to fail, and so on. If you have any specific questions on operation or maintenance, please contact your dealer for advice. Q: What costs are my responsibility during the warranty period?

A: The customer's responsibility includes all costs of normal maintenance services, non-warranty repairs, accidents and collision damage, as well as oils, and spark plugs, and incidental or consequential damages costs as explained in the warranty.

Q: Are ''Genuine'' Bombardier replacement parts used in warranty repairs covered by warranty?

A: Yes. When installed by an authorized dealer, any 'Genuine' Bombardier part used in warranty repairs assumes the remaining warranty that exists on the machine.

Q: If I sell my snowmobile within the warranty period, will the new owner qualify for the balance of the warranty?

A: Yes, provided the unit has already been registered with the manufacturer. Note that the change of ownership card in this manual should be completed and sent to Bombardier Inc.

Q: How can I receive the best owner assistance?

A: The satisfaction and goodwill of the owners of Bombardier products are of primary concern to your dealer and Bombardier Inc. Normally, any problems that arise in connection with the sales transaction or the operation of your snow-mobile will be handled by your Dealers Sales or Service Departments. It is recognized, however, that despite the best intentions of everyone concerned, misunderstandings will sometimes occur. If you have a problem that has not been handled to your satisfaction through normal channels, we suggest that you discuss your problem with a member of dealership management. Frequently, complaints are the result of a breakdown in communications and can quickly be resolved by a member of the dealership management. If the problem already has been reviewed with the Sales Manager or Service Manager, contact the Dealer himself or the General Manager.

LISTING OF AREA DISTRIBUTORS ____

CANADIAN DISTRIBUTORS

Quebec Branch 1350 Nobel Boucherville (Quebec) J4B 1A1 (514) 655-6121 Province of Quebec

Ontario Branch 230 Bayview Drive Barrie (Ontario) L4N 4Y8 (705) 728-8600 Province of Ontario

Technical office PO. Box 7060 Riverview (New Brunswick) E1B 1V0 (506) 386-6117 Atlantic Region

BROOKS EQUIPMENT LIMITED 1616 King Edward Street PO. Box 985 Winnipeg (Manitoba) R3C 2V8 (204) 633-7247 British Columbia, Manitoba, Saskatchewan, Alberta, Yukon

CHARLES R. BELL LIMITED Riverside Drive PO. Box 1050 Corner Brook (Newfoundland) A2H 6J3 (709) 634-3533 Newfoudland, Labrador

HUDSON'S BAY CO. LTD. 165 Hymus Blvd Pointe-Claire (Quebec) H9R 1G2 (514) 630-5279 North-West Territories, Franklin District & Keewatin

AMERICAN DISTRIBUTORS

BOMBARDIER CORPORATION All States (excluding Alaska)

SERVICE OFFICES - East Main Street Road Malone, New York 12953 (518) 483-4411

Technical office (506) 386-6117 Eastern Region

- 4505 West Superior Street PO. Box 16106
 Duluth, Minnesota 55816-0106 (218) 628-2881
 East-Central, Central Region
- P.O. Box 1569 Idaho Falls, Idaho 83403 (208) 529-9510 Western Region

NATIONAL SALES OFFICE O'Hare Lake Plaza 2350 Devon Avenue Suite 150 Des Plaines, Illinois 60018 (312) 298-9540

MILLER EQUIPMENT AND RECREATIONAL CENTER 1049 Whitney Road Anchorage, Alaska 99501 (907) 274-9513 Alaska

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HOW TO IDENTIFY YOUR SNOWMOBILE_

The main components of your snowmobile (engine, track and frame) are identified by different serial numbers. It may sometimes become necessary to locate these numbers for warranty purposes or to trace your snowmobile in the event of theft.





Vehicle serial number meaning:



1988 Elan has model number 3045.

NOTE: We strongly recommend that you take note of all the serial numbers on your vehicle and supply them to your insurance company. It will surely help in the event a snowmobile is stolen.

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CONTROLS / INSTRUMENTS



- C) Ignition/light switch
- D) Headlamp dimmer switch
- Emergency cut-out switch E)
- H) Primer
- Decompressor lever 1)

A) Throttle lever

Located on the right side of handlebar. When compressed, it controls the engine speed and the engagement of the transmission. When released, engine speed returns automatically to idle.

B) Brake lever

Located on the left side of handlebar. When compressed, the brake is applied. When released, it automatically returns to its original position. Braking effect is proportionate to the pressure applied on the lever and to the type of terrain and it's snow coverage.

C) Ignition/light switch



10 _

Key operated, 3 position switch. To start the engine, first turn the key to ON position. To stop the engine, turn the key to OFF position.

The 3rd position is not in use.

The lights are automatically ON whenever the engine is running.

D) Headlamp dimmer switch

The dimmer switch, located on left side of handlebar, allows correct selection of headlamp beam. To obtain high or low beam simply flick switch.

E) Emergency cut-out switch

A 3 position switch located on the right side of the handlebar. To stop the engine in an emergency, flick the lever to either upper or lower "OFF" position and simultaneously apply the brake. To start engine, lever must be in middle "ON" position(middle).



WARNING: For safety reasons, the emergency cut-off switch is easily accessible; be careful not to operate it inadvertently.

The driver of this vehicle should familiarize himself with the function of this device by using it several times on first outing. Thereby being mentally prepared for emergency situations requiring its use. WARNING: If the switch has been used in an emergency situation, the source of malfunction should be determined and corrected before restarting the engine.

F) Tether cut-out switch

A pull switch located below the handlebar.

Attach tether cord to wrist or other convenient location then snap tether cut-out cap over receptacle before starting engine.

If emergency engine **"shut-off"** is required completely pull cap from safety switch and engine power will automatically shut "off".

NOTE: The cap must be installed on the safety switch at all times in order to operate the vehicle.

WARNING: If the switch is used in an emergency situation the source of malfunction should be determined and corrected before restarting engine.

G) Rewind starter handle

Auto rewind type located on right hand side of vehicle. To engage mechanism, pull handle.

H) Primer

A push-pull button. Pull and push button (2-3 times) to activate primer. The primer should always be used for cold engine starts. After engine is warm however, it is not necessary to use primer when starting.

I) Decompressor lever

Lift lever to operate. Pull down when engine has started.

CAUTION: The decompressor provides easier starting by reducing engine compression. However, leaving the decompressor lever lifted while running will damage your engine. Always pull down after the engine has started.

Fuel level

•

WARNING: Never use a lit match or open flame to check fuel level.

The tank is translucent and fuel level can be checked by opening hood and glancing at tank.

Hood opening

WARNING: It is dangerous to run engine with hood opened, removed or unfastened.

Unlock latches on both sides where the hood meets the frame.

NOTE: Always lift the hood gently up until stopped by the restraining wire.

Tool box

Located under the hood. To gain access, tilt the hood. Ideal location for spare spark plug, rope, flash light, first aid kit, etc.

Accessories

Some optionnal accessories might be added to your vehicle such as speedometer, tachometer, hitch, electric starter etc, if not standard on your vehicle. Ask your authorized dealer for more information.

BREAK-IN PERIOD.

Engine

With Bombardier-Rotax snowmobile engines, a break-in period is required before running the vehicle at full throttle. Engine manufacturer recommendation is 10 to 15 operating hours. During this period, a richer mixture is needed (i.e. 40 parts of gas for 1 part of BLIZZARD oil. Maximum throttle should not exceed 3/4, however, brief full acceleration and speed variations contribute to a good break-in. Continued wide open throttle accelerations, prolonged cruising speeds, and lugging are detrimental during the breakin period.

CAUTION: Remove and clean spark plug after engine break-in.

Belt

A new drive belt requires a break-in period of 25 km (15 miles).

10-Hour Inspection

As with any precision piece of mechanical equipment, we suggest that after the first 10 hours of operation or 30 days after the purchase, whichever comes first, that your vehicle be checked by your dealer. This inspection will give you the opportunity to discuss the unanswered questions you may have encountered during the first hours of operation.

The 10 hour inspection is at the expense of the vehicle owner.

10-HOUR INSPECTION CHECK LIST	•
Engine timing	
Spark plug condition	
Carburetor adjustment	
Engine head nuts	
Engine mount nuts	
Muffler attachment	
Chaincase oil level	
Brake operation and lining condition	
Ski alignment (runner condition)	
Steering arm retorque to 31 N•m (23 lbf•ft)	
Pulley alignment and drive belt condition	
Track condition, tension and alignment	
Lubrication (steering, suspension, driven pulley, etc.)	
Electrical wiring (loose connections, stripped wires, damaged insulation), tighten all loose bolts, nuts and linkage	
Operation of lighting system (HI / LO beam, brake light, etc.), test operation of emergency cut-out switch and tether switch	

We recommend that you have your dealer sign this inspection list.

Date of 10 hour inspection

Dealer signature

FUEL & OIL

Oil must be added to the gasoline in premeasured amounts then both oil and gasoline should be thoroughly mixed together before fueling the snowmobile tank.

Recommended gasoline

Use regular leaded or unleaded gasoline available from all service stations.

WARNING: Remove fuel tank cap slowly. Fuel may be under pressure and spray may cause fire and injuries.

WARNING: Gasoline is flammable and explosive under certain conditions. Always manipulate in a well ventilated area. Do not smoke or allow open flames or sparks in the vicinity.

CAUTION: Never experiment with other fuels or fuel ratios. The use of gasoline containing alcohol such as methanol, ethanol (commonly called gasohol) or similar products including naphta is not recommended. The use of gasoline containing alcohol can result in vehicle performance deterioration and damage to critical parts in the fuel system and engine components.

WARNING: Never 'top up' the gas tank before placing the vehicle in a warm area. At certain temperatures, gasoline will expand and overflow. Always wipe off any gasoline spillage from the snowmobile.

Recommended oil

Use "BLIZZARD OIL" (P/N 496 0135 00-500 ml) available from your authorized dealer. This type of oil will flow at temperatures as low as minus 40°C (-40°F).

It is a blend of specially selected base oils and additives which provides outstanding lubrication, engine cleanliness and minimum spark plug fouling. If ''BLIZZARD OIL'' is unavailable, substitute with ''Bombardier injection oil'' (P/N 496 0133 00-1 liter).



CAUTION: Never use outboard or straight mineral oils.

Fuel mixture ratio

The importance of using the correct fuel/oil mixture cannot be overstressed. An incorrect fuel/oil ratio results in serious engine damage. Recommended fuel/oil ratio is 50:1 (40:1 during break-in period).

SI UNITS

500 ml oil to 25 liters = 50:1

IMPERIAL UNITS

16 oz oil to 5 imp. gals = 50:1 or

500 ml oil to 5 1/2 imp. gals = 50:1

U.S. UNITS

12 oz oil to 5 U.S. gals = 50:1

NOTE: To facilitate fuel/oil mixing, oil should be kept at room temperature.

Fuel/oil mixing procedure

To mix the gasoline and oil always use a separate clean container. Never mix directly in your snowmobile tank. For best results, acquire two containers, either plastic or metal. Draw from one until empty then use the second one.

WARNING: Gasoline is flammable and explosive under certain conditions. Always manipulate in a well ventilated area. Do not smoke or allow open flames or sparks in the vicinity. If gasoline fumes are noticed while driving, the cause should be determined and corrected without delay. Never add fuel while the engine is running. Avoid skin contact with fuel at below freezing temperatures. 1. Pour approximately 4 liters (one gallon) of gasoline into a clean container.



2. Add the full amount of oil required.



3. Replace the container cap and shake the container thoroughly.



- 4. Add the remainder of the gasoline.
- 5. Once again thoroughly agitate the container. Then using a funnel with a fine mesh screen to prevent the entry of foreign particles, pour the mixture into the snowmobile tank.

WARNING: To prevent fuel spillage in the engine compartment, a funnel must always be used when filling the gas tank.

NOTE: When using pre-mixed fuel, always shake the container thoroughly as the oil has a tendency to settle.

FUEL/OIL MIXING CHARTS (50 to 1 ratio)



PRE-START CHECK

Check points

- ACTIVATE THE THROTTLE CON-TROL LEVER SEVERAL TIMES to check that it operates easily and smoothly. The throttle control lever must return to idle position when released.
- Check fuel level.
- Check that the ski and tracks are not frozen to the ground or snow surface and that the steering operates freely.
- Activate the brake control lever and make sure the brake fully applies before the brake control lever touches the handlebar grip.
- Verify that the path ahead of the vehicle is clear of bystanders and obstacles.

Clean and check operation of the headlight, taillight and brake light.

WARNING: Only start your snowmobile once all components are checked and functioning properly.

STARTING PROCEDURE

Test throttle control lever operation.

Check that the emergency cut-out switch is in the middle ON position.



Ensure the tether cut-out cap is in position and that the cord is attached to your clothing.

Activate primer (2 to 3 times).

NOTE: Priming is not necessary when the engine is warm.

Lift the decompressor lever.

Manual starting

Insert the key in the ignition and turn to ON position.

Grasp manual starter handle firmly and pull slowly until a resistance is felt then pull vigorously. Slowly release the rewind starter handle.



WARNING: Do not apply throttle while starting.

Pull the decompressor lever down once engine has started.

Before riding

Check operation of the emergency cutout switch, and tether switch. Restart engine.

WARNING: If engine does not shut-off when flicking the emergency cut-out switch and/or by pulling the tether cut-out cap, stop the engine by turning OFF the ignition key. Do not operate the vehicle, see your authorized dealer.

Allow the engine to warm before operating at full throttle.

Emergency starting

Should the rewind starter rope frav and break, the engine can be started with the emergency starter rope supplied with the tool kit.

WARNING: Do not start the vehicle by the drive pulley unless it is a true emergency situation, have the vehicle repaired as soon as possible.



WARNING: Do not wind starting rope around your hand. Hold rope by the handle only.



Remove the rewind starter assembly from the engine and transfer the rope handle to your emergency rope.

NOTE: The spark plug socket can be used as an emergency starter grip.

Wind the rope around the starter pulley start engine as per usual manual starting.



WARNING: After starting the vehicle in an emergency situation by the starting pulley do not reinstall the rewind starter assembly.

WARNING: When starting the vehicle in an emergency situation by the drive pulley, do not make a knot at the end of the emergency rope and do not reinstall the belt guard and pulley guard.

LUBRICATION



Frequency

Routine maintenance is necessary for all mechanized products, and the snowmobile is no exception. A weekly vehicle inspection contributes to the life span of the snowmobile and retains dependable operation. It is recommended that the steering system and suspension be lubricated monthly or every 40 hours of operation. If the vehicle is operated in wet snow or in severe conditions these items should be lubricated more freauently.

WARNING: Only perform such procedures as detailed in this manual. It is recommended that dealer assistance be periodically obtained on other components/systems not covered in this manual. Unless otherwise specified, engine should be turned OFF for all lubrication and maintenance procedures.



WARNING: Do not lubricate throttle and/or brake cable and housinas.

NOTE: When lubricating grease fittings, grease until grease appears at joints. Always use low temperature arease (P/N 413 7061 00).

Steering mechanism

Lubricate the ski leas at the grease fittings until new grease appears at the joints. Coat spring slider cushion with grease. Oil the spring coupler bolts, the four (4) ball joints and the two (2) pivots on the main tube of the handlebar





Bogie wheels

Using low-temperature grease, lubricate the suspension bogie wheels through the grease fittings until new grease appears at the inner side joints.



Rear axle

Lubricate the rear axles with low-temperature grease. Pump grease through the rear axle fittings using a low-pressure grease gun.



CAUTION:When lubricating the rear axle bearing, do not apply excessive grease as the seal will be pushed out of its housing. Check seal position with finger.

Chaincase oil level

Using the spark plug socket, remove the filler cap then using a rigid wire as a "dipstick" check oil level. The oil level on the "dipstick" should be 50-65 mm (2" to 2 1/2"). Refill as required using Bombardier chaincase oil (P/N 413 8019 00 - 250 ml).



Drive pulley

Designed with Kahr-Lon bushings. No lubrication required.

Driven pulley

Remove pulley guard and slip off drive belt. Open the driven pulley, (push and twist sliding half.)

Thoroughly clean the driven pulley shaft.

Apply a light film of low-temperature grease P/N 413 7061 00 on the shaft. Always wipe off surplus.

NOTE: Activate the sliding half several times to distribute lubricant over full length of shaft. Be careful that lubricant does not get on inner halves of pulley.

MAINTENANCE

The following Maintenance Chart indicates regular servicing schedules to be performed by you or your servicing dealer. If these services are performed as suggested, your snowmobile will give many years of low-cost use. WARNING: Only perform such procedures as detailed in this manual. It is recommended that dealer assistance be periodically obtained on other components / systems not covered in this manual. Unless otherwise specified, engine should be turned OFF for all lubrication and maintenance procedures.

SERVICE AND MAINTENANCE CHART	Weekly or every 240 km (150 mi)	Monthly or every 800 km (500 mi)	Once a year or every 3200 km (2000 mi)	Refer to page
Drive belt condition				23
Brake condition				24
Brake adjustment				24
Spark plug				25
Suspension condition				25
Track condition				25
Track tension and alignment		(As re	quired)	26
Steering mechanism				27
Ski and runner wear				27
Steering adjustment				27
Muffler attachment				28
Engine head nuts				28
Engine mount nuts				28
Carburetor adjustment				28
Headlamp beam aiming				29
General inspection				29

NOTE: The ten hour inspection is a very important part of proper service and maintenance.

Console removal

For any procedure that may require removal of the console, proceed as follows:

1. Unlock the latch where the console and dash panel meet.



2. Push the console downward then tilt away from the engine. To reinstall, reverse the procedure.

Belt guard / pulley guard removal

WARNING: Engine should be running only when belt guard and/or pulley guard are secured in place.

- 1. Tilt the hood and remove the console.
- 2. Remove the belt guard (front) by unlocking it from retaining pins.



3. To remove the pulley guard, pull out the retaining clip (A) and pull on the spring (B) to disengage the pin from the bracket.



4. Push the pulley guard forward to disengage the front attachment (C) from the frame. Lift the guard from the vehicle.

Drive belt removal and installation

WARNING: Never start or run the engine without the drive belt installed. Running an unloaded engine is dangerous.

- 1. Tilt the hood and remove the pulley guard.
- 2. Open the driven pulley by twisting and pushing the sliding half. Hold in fully open position.



Slip the belt over the top edge of the sliding half.



 Slip the belt out from the drive pulley and remove completely from the vehicle. To install the drive belt, reverse the procedure, however pay attention to the following.

The maximum drive belt life span is obtained when the belt has the proper rotation direction. Install it so the printed information on the belt can be read when facing to pulleys.





CAUTION: Do not force or use tools to pry the belt into place, as this could cut or break the cords in the belt.

Drive belt condition

Inspect belt for cracks, fraying or abnormal wear (uneven wear, wear on one side, missing cogs, cracked fabric). If abnormal wear is noted, probable cause could be pulley misalignment, excessive R.P.M. with frozen track, fast starts without warm-up period, burred or rusty sheave, oil on belt or distorted spare belt. Contact your authorized dealer.

Check the drive belt width.

Replace the drive belt if width is less than 27 mm (11/16 in).

New drive belt

When installing a new drive belt, breakin period of 25 km (15 miles) is strongly recommended.

NOTE: Always store a spare belt in a manner to allow its natural shape to be maintained.

Brake condition

The brake mechanism on your snowmobile is an essential safety device. Keep this mechanism in proper working condition. Above all, do not operate your snowmobile without an effective brake system.

WARNING: Brake lining less than 3 mm (1/8") thick must be replaced. Replacement must be performed by an authorized dealer.



Brake adjustment

Brake should apply fully while brake control lever is still 25 mm (1 inch) minimum from the handlebar grip.



Minor adjustment

If a minor adjustment is indicated, slack off the cable housing nut (A) and tighten the nut (B) to increase the lever clearance.



Once minor adjustment is completed, firmly tighten the nuts (A and B) against the bracket. If correct brake control lever clearance is unobtainable, proceed with major adjustment as follows:

Major adjustment

Slacken off the nut (C) retaining the brake cable to the lower brake lever. Adjust the cable to required length by lenthening or shortening the brake cable. Retighten the nut. Ensure that minor adjustment nuts are located approximately half way on the adjuster threads.



WARNING: Brake cable must make a loop around the bolt head. Strongly pull the brake handle to check cable tightness. Always check the brake light to see if it functions after performing brake adjustment.

Brake light switch adjustment

To check operation:

Pull the brake lever and check that a light resistance is felt while rotating the driven pulley. This is the position where the switch should have turned the brake light on.

To adjust:

- Loosen the brake switch lock nut.
- While turning adjusting screw, pull switch outward to turn brake light on or push in ward to turn it off.



Spark plug

Disconnect spark plug wire and remove plug. Check condition of plug.

- A brownish tip reflects ideal conditions. (Carburetor adjustment, spark plug heat range, etc.; are correct.)
- A black insulator tip indicates fouling caused by; carburetor idle speed mixture and / or high speed mixture too rich, incorrect fuel mixture ratio, wrong type of spark plug (heat range), or excessive idling.
- A light grey insulator tip indicates a lean mixture caused by; carburetor high speed mixture adjusted too lean, wrong spark plug heat range, incorrect fuel mixture ratio, or a leaking seal or gasket.



CAUTION: If spark plug condition is not ideal, contact your authorized dealer.

Check spark plug gap using a wire feeler gauge. Gap must be 0.5 mm (.020'').

Reinstall plug and connect wire.

Suspension condition

Visually inspect suspension springs. Replace any weak or broken spring.

Check for wear or looseness. Correct as required.

Track condition

Lift rear of vehicle and support it off the ground. With the engine **OFF**, rotate track manually and inspect condition. If worn or cut, or if track fibers are exposed, or if missing or defective inserts are noted; contact your authorized dealer.

WARNING: Do not operate a snowmobile with a cut, torn or damaged track.

Track tension and alignment

Tension

Lift the rear of vehicle and support it off the ground. Using a ruler, check track tension.

CAUTION: Too much tension will result in power loss and excessive stresses on suspension components.

NOTE: If the track tension is too loose, the track will have a tendency to thump.

The distance between the top inside edge of the track and the bottom of the footboard at the middle set of bogie wheels should be 35 mm (1 3/8").



Alignment

To adjust track use the following procedure:

Loosen link plate spring lock nuts located on inner side of link plate springs.

Turn adjuster bolts clockwise to tighten track, counterclockwise to slacken.



NOTE: Track tension and alignment are inter-related. Do not adjust one without checking the other.

WARNING: Before checking track alignment, ensure that the track is free of particles which could be thrown out while track is rotating. Keep hands, tools, feet and clothing clear of track. Ensure nobody is standing near the vehicle.

Start engine and allow track to rotate **slowly.** Check if track is well centered and turns evenly on the rear sprockets. The distance between track edges and link plates should be equal each side.

Misalignment can cause excessive wear of track edges and sprocket teeth.



To correct:

Stop engine and on appropriate side, turn adjuster bolt clockwise to withdraw track from link plate.

Tighten link plate spring lock nuts.

Restart engine and rotate track **slowly** and recheck alignment.

Drive pulley

WARNING: The drive pulley must be inspected and cleaned by an authorized dealer at least annually.

Steering mechanism

Inspect steering mechanism for tightness of components (steering arm, ball joints, etc.). If necessary, replace or retighten.

WARNING: Check condition of ski and ski runner. Replace if more than half worn.

Steering adjustment

Skis should have a toe out of 3 mm (1/8 in). To check, measure distance between skis at front and rear of leaf springs.

IMPORTANT: Close the front of the skis manually to eliminate all slack from the steering mechanism.



If necessary to adjust:

Loosen the lock nuts of the longer tie rod. Turn the tie rod manually until the skis are properly aligned. Firmly retighten the lock nuts.

WARNING: The maximum ball joint external threaded length not engaged in the tie rod end must not exceed 20.5 mm (13/16 in). Torque lock nut to 20 N•m (15 lbf•ft).



Handlebar should also be horizontal when the skis are pointed toward the front. To adjust, loosen the lock nuts of the shorter tie rod. Turn the tie rod manually until the handlebar is horizontal. Retighten the lock nuts firmly. Check tightness of the steering arm locking bolts and the wear of the ball joints.

WARNING: The cut off section of the ball joint must run parallel with the steering arm. When tightening lock nuts, restrain ball joint with appropriate size wrench. Ensure at least half of the ball joint threads are inserted into the tie rod.



Muffler attachments

The engine/muffler system parts are vital toward efficient muffler function. Check all attachments and muffler ball joint. Replace springs and/or tighten if necessary.

CAUTION: Do not operate vehicle with muffler disconnected otherwise serious engine damage will occur.

Engine head nuts

With the ENGINE COLD, check that engine head nuts are tight and equally torqued to 21 N•m (15 lbf•ft). Follow the illustrated sequence.



IMPORTANT: The engine head nut torque should be checked after the first 5 hours of operation.

Engine mount nuts

Check engine mount nuts for tightness. Retighten if necessary at 38 N•m (28 lbf•ft).

Carburetor adjustment

CAUTION: Never operate your snowmobile with the air intake silencer disconnected. Serious engine damage will occur if this notice is disregarded.

A) Air screw adjustment

Completely close the **air** screw (until a slight seating resistance is felt) then back off screw: 1 1/2 turn.



B) Idle speed adjustment

Turn the **idle speed** screw clockwise until it contacts the throttle slide then continue turning two (2) additional turns. This will provide a preliminary idle speed setting. Start the engine and allow it to warm then adjust the idle speed by turning the idle speed screw clockwise or counterclockwise.

Idle speed: 1100-1300 R.P.M.

CAUTION: Do not attempt to set the idle speed by using the air screw. Severe engine damage can occur. If idle speed is unattainable contact your authorized dealer.

High altitude kit

Snowmobiles used in high altitude areas (1900 m (4000 ft) and up) are subjected to lose power, about 3% per 470 m (1000 ft) of elevation increase. The carburetor and power train have to be recalibrated to meet those particular requirements. Ask your authorized dealer for more information on high altitude kit availability.

Headlamp beam aiming

The angle of the headlamp beam has been pre-adjusted prior to delivery. Should you wish re-adjustment, place the vehicle on a flat surface 381 cm (12' 6'') from a wall or screen.

With the suspension correctly adjusted, the rider seated on the vehicle and the high beam ON check that the center of high intensity zone of high beam is 25 mm (1'') below horizontal line of headlamp height.



A002004007

To adjust, turn upper or lower adjusting screws to obtain desired beam position.



Bulb replacement

If headlamp is burnt, open hood. Unplug connector from headlamp. Remove rubber boot and unfasten bulb retainer clips. Detach bulb and replace.



If taillight bulb is burnt, remove the red plastic lens and replace bulb.

WARNING: Always check light operation after bulb replacement.

General inspection

Check electrical wiring and components, retighten loose connections. Check for stripped wires or damaged insulation. Thoroughly inspect the vehicle and tighten loose bolts, nuts and linkage. Inspect ski and ski runner for wear.

WARNING: Check condition of ski runner and leaf spring. Replace if worn or weak.

STORAGE

It is during summer, or when a vehicle is not in use for any length of time, that proper storage is a necessity. Storage of the snowmobile during long periods of inactivity consists of checking and replacing missing, broken or worn parts; proper lubrication and treatment to insure that parts do not become rusted, cleaning items such as carburetor of oil mixtures, to prevent gum or varnish formation within the carburetor, and in general, preparing the vehicle so that when the time comes to use the snowmobile again it will be in top condition.

WARNING: Only perform such procedures as detailed in this manual. It is recommended that dealer assistance be periodically obtained on other components/systems not covered in this manual. Unless otherwise specified, engine should be turned OFF for all lubrication and maintenance procedures.

Track

Inspect track for wear, cuts, missing track inserts or broken rods.

Make any necessary replacement.

WARNING: Do not operate a snowmobile with a cut, torn or damaged track.

Lift rear of vehicle until track is clear of ground, then support it with a brace or trestle. The snowmobile should be stored in such a way that the track does not stay in contact with cement floor or bare ground.

NOTE: The track should be rotated periodically (every 40 days). Do not release track tension.

CAUTION: To prevent track damage, temperature in the storage area must not exceed 38° C (100°F).

Suspension

Remove the bogie wheel sets from the vehicle. Remove cross shaft from bogie wheel set. Clean bogie wheel assembly and cross shaft of dirt or rust.

Check condition of shaft and replace if bent or worn. Apply a coat of low temperature grease on cross shaft.



Grease each bogie wheel until the old grease is flushed out. Spray bogie wheel springs with metal protector. If unavailable, wipe with a cloth or rag soaked in oil.

Reassemble entire bogie wheel set, making sure assembly moves freely. Reinstall bogie wheel set in the proper position.

Torque cross shaft bolts to 30 N•m (23 lbf•ft). Repeat above steps on remaining bogie wheel sets. Lubricate rear hubs through grease fittings.

Ski

Wash or brush all dirt or rust accumulation from ski and spring. Grease ski leg at grease fitting. Apply metal protector on ski assembly. If unavailable, wipe the entire ski with a cloth soaked in oil to prevent rust formation.

WARNING: Check condition of ski runner and leaf spring. Replace if worn or weak.

Controls

Lubricate steering mechanism. Inspect components for tightness (spring coupler bolt, steering arm locking bolt, ball joints, etc.). Tighten if necessary. Oil metallic moving joints of brake mechanism.

WARNING: Do not lubricate throtle and/or brake cable or housing. Avoid getting oil on brake linings.

Coat electrical connections and switches with a greaseless metal protector. If unavailable, use petroleum jelly.

Chaincase

Drain the chaincase and refill to proper level with fresh chaincase oil. (P/N 413 8019 00 - 200 ml).

To drain the chaincase remove the tool box then access plug (lower plug) and tilt vehicle hard left.

Drive pulley

Inspection and cleaning must be performed by an authorized dealer at the end of each season.

Engine and primer lubrication

Engine internal parts must be lubricated to protect cylinder walls from possible rust formation during the storage period.

To perform the storage procedures (engine and primer valve) proceed as follows:

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

WARNING: Ensure the track is free of all particles which could be thrown out while it is rotating. Keep hands, tools, feet and clothing clear of track. Ensure no-one is standing in close proximity to the vehicle.

- 2. Start the engine and allow it to run at idle speed until the engine reaches its operational temperature.
- 3. Stop the engine.
- 4. Disconnect the inlet primer hose from the primer valve.



- 5. Plug inlet primer hose to prevent gasoline from draining.
- 6. Using an appropriate hose, connect one end of the hose to the inlet of the primer valve and place the other end in a BLIZZARD OIL container.
- 7. Activate the primer in order to fill it with oil.
- 8. Restart engine and run at idle.
- Using the primer valve, inject oil until the engine dies or until a sufficient quantity of oil has entered the engine (approximately 25 complete strokes of the primer).
- 10. The engine stopped, remove the spark plug and pour approximately 85 ml (3 Imp. oz.) of oil into the cylinder.
- 11.Crank the engine to allow the crankshaft to turn 2 or 3 revolutions.
- 12. Reinstall spark plug and inlet primer hose.

Do not run engine during storage period.

Driven Pulley

Remove drive belt. Thoroughly clean the driven pulley shaft. Apply a light film of low-temperature grease on shaft. Activate the sliding half several times to distribute grease on shaft. Spray internal pulley surfaces with metal protector.

NOTE: Leave drive belt **off** during entire storage period.

Fuel tank and carburetor

Remove the cap then, using a syphon, remove gasoline from tank.

WARNING: Gasoline is flammable and explosive under certain conditions. Always manipulate in a well ventilated area. Do not smoke or allow open flames or sparks in the vicinity.

The carburetor must be dried out completely to prevent gum formation during the storage period.

Once the fuel tank is emptied, remove the float chamber drain plug from carburetor. Drain carburetor and reinstall plug.



Check all fuel lines, replace if necessary.

Chassis

Clean the vehicle thoroughly, removing all dirt and grease accumulation.

CAUTION: Plastic alloy components such as windshield, console, etc., can be cleaned using mild detergents or isopropyl alcohol and a clean cloth. Do not use strong soaps, degreasing solvents, abrasive cleaners, paint thinners, acetone, etc. Do not apply isopropyl alcohol directly on decals.

Inspect hood and see an authorized Bombardier dealer for repair.

Touch up all metal spots where paint has been scratched off. Spray all metal parts of vehicle with metal protector. Wax the hood for better protection.

NOTE: Apply wax on glossy finish of hood only. Protect the vehicle with a cover to prevent dust accumulation during storage.

CAUTION: Cover the snowmobile with an opaque tarpaulin. This caution will prevent the sun rays or grime from affecting the plastic components and the vehicle finish.

General Inspection

Check electrical wiring and components, retighten loose connections. Check for stripped wires or damaged insulation. Thoroughly inspect the vehicle and tighten loose bolts, nuts and linkage.

PRE-SEASON PREPARATION

To simplify the pre-season preparation we have drawn up a small chart. The chart indicates servicing points to be performed by you and your authorized dealer. If these services are performed as suggested, your vehicle will give many hours of fun and low cost use. **IMPORTANT:** Observe all Warnings and Cautions mentioned throughout this manual which are pertinent to the item being checked. When component conditions seem less than satisfactory, replace with genuine Bombardier parts.

To be performed by deale	To be performed by dealer		
PRE-SEASON PREPARATION CHART To be performed by owned	er 🔿		
Change spark plug*	0		
Check chaincase oil level	0		
Check steering adjustment/ski runner	0		
Replace fuel filter (located inside fuel tank)	0		
Check fuel lines and attaching points	0		
Check track condition, tension and alignment	0		
Check and lubricate suspension	0		
Inspect drive belt and install	0		
Check throttle cable for damage and free operation	0		
Inspect brake condition and operation			
Check electrical wiring (broken wire, damaged insulation)	0		
Inspect condition of starting rope	0		
Check tightness of all bolts, nuts and linkage	0		
Refill gas tank	0		
Check pulleys, clean and check condition of drive pulley	•		
Inspect oil seals for possible cuts or leaks	0		
Set engine timing (if necessary replace breaker points)			
Adjust carburetor	•		
Check pulleys, verify components and clean. Lubricate	0		

***NOTE:** Before installing new spark plug, it is suggested to burn excess storage oil by starting the engine, using the old spark plug.

CAUTION: Perform this operation in a well ventilated area.

TROUBLE SHOOTING ____

NOTE: The possible causes have been listed in an order of frequency. Therefore, items should be checked out in the same order as mentioned in the trouble shooting guide.

SYMPTOMS	POSSIBLE CAUSES	WHAT TO DO
Engine turns over but fails to start or starts with difficulty	1. No fuel to the engine	Check the tank level and fill up with correct gas/oil mixture. Check for possible clogging of fuel line, item 4.
	2. Flooded engine	Remove wet spark plug, turn ignition to OFF and crank engine several times. Install clean dry spark plug. Start engine following usual starting procedure. If engine continues to flood, see an authorized dealer.
	3. Spark plug/faulty ignition	Check that emergency cut out switch is at the upper position (ON) and the tether cut-out switch cap is snapped over the receptacle.
		Check for fouled or defective spark plug. Dis- connect spark plug wire, unscrew plug and re- move from cylinder head. Reconnect wire and ground exposed plug on engine cowl, being careful to hold away from spark plug hole. Fol- low engine starting procedure and check for spark. If no sparks appear, replace spark plug. If trouble persists, contact an authorized dealer.
	 Clogged fuel line (water or dirt) 	Check condition and connections of fuel lines Check the cleanliness of fuel tank.
	5. Incorrect carburetor adjustment	Contact an authorized dealer.
	6. Too much oil in fuel	Drain the fuel tank and refill with the correct gas/oil mixture.
	7. Engine timing	Engine timing may be defective or out of adjustment. Contact an authorized dealer.
	8. Poor engine compression	Running with a lean fuel mixture may produce excessive engine wear resulting in poor engine compression. If this occurs, contact an autho- rized dealer at once.
Engine will not turn manually	1. Seized engine	In the case of a seized engine contact an authoriz- ed dealer.

SYMPTOMS	POSSIBLE CAUSES	WHAT TO DO	
Engine lacks accelera- tion or power	1. Fouled or defective spark plug	Check item 3 of "Engine turns over but fails to start or starts with difficulty"	
	2. Clogged fuel line (water or dirt)	Check fuel line condition. (See item 4 of "En- gine turns over but fails to start or starts with difficulty").	
	3. Carburetor	Contact an authorized dealer.	
	4. Ignition	First check item 2 and 3 of "Engine turns over but fails to start or starts with difficulty". If the ignition system still seems faulty, contact an authorized dealer.	
	5. Engaged decompressor	Check decompressor position.	
	6. Engine	If unable to locate specific symptoms, contact an authorized dealer.	
Engine continually backfires	1. Spark plug	Check item 3 of "Engine turns over but fails to start or starts with difficulty".	
	2. Overheated	Carburetor set too lean. Contact an authorized dealer.	
	3. Engine timing incorrectly set	Contact an authorized dealer.	
Snowmobile cannot reach full speed	1. Drive Belt	Check for damaged or worn drive belt. Re- place if necessary.	
	2. Incorrect track adjustment	Check track tension and alignment. Readjust to specifications. (See Maintenance Section).	
	3. Engine	Check item 1 to 5 of "Engine lacks acceler- ation or power".	
	4. Pulleys misaligned	Contact an authorized dealer.	

TOOLS _

As standard equipment each new snowmobile is supplied with basic tools such as screwdriver, wrenches, emergency starter rope, etc.

Standard Tools



SPECIFICATIONS

ENGINE

Type No of cylinders Bore Stroke Displacement Compression ratio (corrected) Maximum horse power R.P.M. * Carburetor type Carburetor adjustment: — air screw — air screw — idle speed Torque: — engine head nuts — crankcase nuts — magneto ring nut — crankcase/engine support nuts — exhaust manifold bolts	247 1 69.5 mm (2.736'') 66 mm (2.598'') $250.4 \text{ cm}^3 (15.28 \text{ in}^3)$ 5.5:1 5700 Mikuni VM 28-242 1 1/2 turn 1100-1300 R.P.M. M8: 21 N•m (15 lbf•ft) M8: 21 N•m (15 lbf•ft) M22: 85 N•m (63 lbf•ft) 38 N•m (28 lbf•ft) 21 N•m (15 lbf•ft)
CHASSIS	
Overall length Overall width Overall height Ski stance (center to center) Ski alignment Torque: — steering arm/ski leg bolt — tie rod/ball joint lock nuts Dry weight Bearing area Ground pressure	224.8 cm (88.5'') 77.5 cm (30.5'') 106.7 cm (42'') 64.8 cm (25.5'') 3 mm (1/8'') toe out 31 N•m (23 lbf•ft) 20 N•m (15 lbf•ft) 129.2 kg (285 lb) 6916 cm ² (1072 in ²) 1.87 kPa (.263 lbf/in ²)
POWER TRAIN	
Track: — width — length — tension	38.1 cm (15'') 290 cm (114'') 35 mm ± 3 (1 3/8'' ± 1/8'') distance bet- ween top inside edge of track and the bot- tom of the footboard.
– alignment	Equal distance between edges of track and link plates.
Standard gear ratio Drive belt: — number — max. width — min. width Chaincase oil capacity	10/25 570 0411 00 30.2 mm (1 3/16'') 27 mm (1 1/16'') 200 ml (7 oz)

*The maximum horse power RPM is applicable with engine on the vehicle. It may be different under certain circumstances and Bombardier Inc. reserves the right to modify it without any obligation.

ELECTRICAL	
Lighting system (output)	12 V, 75/23 watts
Bulb: — headlamp	60/60 W
- tail/stop	5/21 W
– speedometer Fuse:	N.A.
 ignition switch main wiring 	N.A.
Breaker point gap	0.35 mm-0.40 mm (.014''016'')
Spark plug: – type	Bosch M7A (M175 T1)
- gap	0.50 mm (.020'')
Ignition timing: — timing mark (B.T.D.C.)	3.98 mm (.157'')
Dynamic edge gap	7-10 mm (9/32 - 25/64'')
FUEL	
Gas type	Regular leaded or unleaded
– S.I.	13.6 liters
— Imp. — 11 S	3 gallons 3.6 gallons
Premixed fuel/oil	
– oll type – ratio	Blizzard oli 50:1
BRAKE	
Type	Drum
Control lever adjustment	25 mm (1%)
(minimum distance from handle- bar grip when fully applied)	

N.A.: Not applicable

Bombardier Inc. reserves the right to make changes in design and specifications and/or to make additions to, or improvements in its product without imposing any obligation upon itself to install them on its products previously manufactured.

NOTES_____

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WIRING DIAGRAM_



COLOUR CODES				
BK – BLACK	GN – GREEN			
WH WHITE	GY — GREY			
RD — RED	VI – VIOLET			
BL BLUE	OR – ORANGE			
YL – YELLOW	BR – BROWN			

WARNING: Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.

LOCATION OF CONNECTOR HOUSINGS (REFER TO DIAGRAM)

- C-1: At engine
- C-2: At ignition switch

- C-3: Near steering column C-4: Near steering column C-5: At headlamp C-6: Near brake light switch
- C-7: On taillight housing C-8: Between seat & fuel tank
- C-9: At right side of steering support

SI* METRIC INFORMATION GUIDE

BASE UNITS			
DESCRIPTION		UNIT	SYMBOL
length		meter	m
mass		kilogram	kg
force		Newton	N
liquid		liter	
temperature		Celsius	°C
pressure		kilopascal	kPa
torque		Newton meter	N∙m
speed		kilometer per hour	Km/h
		PREFIXES	
PREFIX	SYMBOL	MEANING	VALUE
kilo	k	one thousand	1000
centi	С	one hundredth	0.01
milli	m	one thousandth	0.001
	CONVE	RSION FACTORS	
TO CONVERT		TO †	MULTIPLY BY
lbf•ft		lbf•in	12
imp. oz		U.S. oz	0.96
imp. gal.		U.S. gal.	1.2
in		mm	25.4
in		cm	2.54
ft MDU		m han th	0.3
INIPH		km/n	1.01
in3		Cm ³	16 39
imn oz		ml	28.41
U.S. oz		ml	29.57
imp. gal.		J	4.55
U.S. gal.		I	3.79
oz		g	28.35
lb		kg	0.45
lbf		N	4.4
lbf•in		N•m	0.11
		IN●M kDe	1.36
Eabrophoit		Kra Colsius	0.89 (°E 22) - 19
Celsius		Fabrenheit	$(^{\circ}C \times 18) + 32$
Celaida		runomon	$(0 \land 1.0) + 02$

*The international system of units abbreviates ''SI'' in all languages.

[†]To obtain the inverse sequence, divide by the given factor. To convert ''mm'' to ''in'', divide by 25.4.

CHANGE OF ADDRESS OR OWNERSHIP_____

Any change in address or ownership should be brought to the attention of the manufacturer by completing and sending out the card below.

NOTICE TO ALL NEW OWNERS: Make sure to receive the warranty registration card from the previous owner, when the ownership is transferred. Also enclose a photocopy of this registration card when informing of a change of ownership.

CHANGE OF ADDRESS			
VEHICLE	DENTIFICATION NUMBER		
	ESS:		
		NAME	
	NO	STREET	AP
	CITY	STATE/PROVINCE	ZIP / POSTAL CO
NEW ADDF	ESS:		
	1	NAME	
	NO	STREET	AP
	CITY	STATE/PROVINCE	ZIP / POSTAL COL
CHANGE ()F OWNERSHIP		>
VEHICLE IDENTIFICATION NUMBER			
The own	ership of this vehicle is	s transferred	
FROM: _			
FROM: _		NAME	
FROM: _	NO	NAME	APT.
FROM: _		NAME STREET STATE/PROVINCE	APT. ZIP / POSTAL CODE
FROM:		NAME STREET STATE/PROVINCE	APT. ZIP / POSTAL CODE
FROM:	NO CITY	NAME STREET STATE/PROVINCE NAME	APT. ZIP / POSTAL CODE
FROM:		NAME STREET STATE/PROVINCE NAME STREET	APT.

STAMP

BOMBARDIER INC.

ATT.: WARRANTY DEPARTMENT VALCOURT (QUEBEC) CANADA JOE 2L0

STAMP

BOMBARDIER INC.

ATT.: WARRANTY DEPARTMENT VALCOURT (QUEBEC) CANADA JOE 2L0