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Section 02 LUBRICATION AND MAINTENANCE
Subsection 02 (LUBRICATION AND MAINTENANCE CHART)

LUBRICATION AND MAINTENANCE CHART

SYSTEM	PART/TASK	10-HOUR OR 500 km (300 m.) INSPECTION (to be performed by dealer)	WEEKLY OR EVERY 240 km (150 m.)	MONTHLY OR EVERY 800 km (500 m.)	ONCE A YEAR OR EVERY 3200 km (2000 m.)	STORAGE (to be performed by dealer)	PRESEASON PREPARATION (to be performed by dealer)	REFER TO
	Rewind Starter Lubrication and Rope Condition					✓	✓	Subsection 04-10
	Engine Head Nuts or Screws	✓			✓	✓		Appropriate subsection: See Top End
	Engine Mount Nuts	✓			✓	✓		Appropriate subsection: See ENGINE REMOVAL
	Exhaust System	✓		✓		✓		Appropriate subsection: See ENGINE REMOVAL
	Engine Lubrication					✓	✓	Subsections 02-03 and 02-04
	Cooling System Condition	✓			✓		✓	Subsections 04-08 and 04-09
	Coolant Replacement (except fan cooled)					✓		Subsection 04-09
	Condition of Seals					✓	✓	Subsections 04-02, 04-03 and 04-04
	Injection Oil Filter Condition			✓				Subsection 04-07
	Injection Oil Filter Replacement					✓		Subsection 04-07
	Oil Injection Pump Adjustment	✓			✓		✓	Subsection 04-07
	Fuel Stabilizer					✓		Subsection 02-03
	Fuel Filter Replacement						✓	Subsection 02-04
	Fuel Lines and Connections	✓				✓	✓	Subsection 04-11
	Carburetor Adjustment	✓			✓		✓	Subsection 04-11
	Carburetor Cleaning						✓	Subsection 04-11
	Throttle Cable Inspection	✓			✓	✓	✓	Subsection 04-12
	Air Filter Cleaning			✓			✓	Subsection 02-04
	Drive Belt Condition	✓	✓				✓	Subsection 05-02
	Condition of Drive and Driven Pulleys	✓		✓		✓		Subsections 05-03 and 05-04
	Cleaning of Drive and Driven Pulleys						✓	Subsections 05-03 and 05-04
	R retorquing of Drive Pulley Screw	✓						Subsection 05-03
	Driven Pulley Preload	✓			✓	✓		Subsection 05-04
	Brake Fluid Level	✓	✓				✓	Subsection 05-06
	Brake Fluid Change (once a year)					✓		Subsection 05-06
	Brake Condition	✓	✓			✓	✓	Subsection 05-06
	Brake Adjustment			✓		✓		Subsection 05-06
	Lubrication of Ratchet Wheel					✓		Subsection 05-06

Section 02 LUBRICATION AND MAINTENANCE

Subsection 02 (LUBRICATION AND MAINTENANCE CHART)

SYSTEM	PART/TASK	10-HOUR OR 500 km (300 m.) INSPECTION (to be performed by dealer)	WEEKLY OR EVERY 240 km (150 m.)	MONTHLY OR EVERY 800 km (500 m.)	ONCE A YEAR OR EVERY 3200 km (2000 m.)	STORAGE (to be performed by dealer)	PRESEASON PREPARATION (to be performed by dealer)	REFER TO
	Drive Chain Tension	✓		✓		✓		Subsections 05-07 and 05-08
	Countershaft Lubrication	✓		✓		✓		Subsection 05-06
	Chaincase/Gearbox Oil Level	✓		✓			✓	Subsections 05-07 and 05-08
	Gearbox Oil Change (Skandic WT/SWT/WT LC only)	✓			✓	✓		Subsection 05-08
	Chaincase/Gearbox Oil Change	✓				✓		Subsections 05-07 and 05-08
	Lubrication of Drive Axle End Bearing**	✓		✓		✓		Subsection 07-04
	Handlebar Bolts. Retorque to 26 N•m (19 lbf•ft)	✓				✓		Subsection 08-02
	Steering and Front Suspension Mechanism Lubrication**	✓			✓	✓		Subsections 08-02 and 08-03
	Steering and Front Suspension Mechanism Condition	✓		✓		✓		Subsections 08-02 and 08-03
	Wear and Condition of Skis and Runners	✓	✓			✓		Subsection 08-03
	Steering and Ski Leg Camber Adjustment	✓		✓		✓		Subsection 08-02
	Suspension Adjustments	AS REQUIRED						Section 07: See appropriate subsection and <i>Operator's Guide</i>
	Suspension Lubrication**				✓	✓	Section 07: See appropriate subsection	
	Suspension Condition	✓		✓		✓	Section 07: See appropriate subsection	
	Suspension Stopper Strap Condition				✓	✓	Section 07: See appropriate subsection	
	Track Condition	✓		✓		✓	Subsection 07-05	
	Track Tension and Alignment	✓	AS REQUIRED					
	Spark Plugs*	✓		✓			✓	Subsection 06-03
	Engine Timing	✓					✓	Subsection 06-02
	Battery Condition	✓		✓		✓	✓	Subsection 06-04
	Headlight Beam Aiming				✓		✓	Subsection 09-02
	Wiring Harnesses, Cables and Lines	✓		✓		✓		Subsection 09-02
	Operation of Lighting System (Hi/LO beam, brake light, etc.) Test Operation of Emergency Cut-Out Switch and Tether Cut-Out Switch	✓	✓				✓	<i>Operator's Guide</i>
	Rags in Air Intake and Exhaust System					✓	✓	Subsections 02-03 and 02-04
	Engine Compartment	✓		✓		✓		Subsection 02-03
	Vehicle Cleaning and Protection	✓		✓		✓		Subsection 02-03

* Before installing new spark plugs at pre-season preparation, it is suggested to burn excess storage oil by starting the engine with the old spark plugs. Only perform this operation in a well-ventilated area.

**Lubricate whenever the vehicle is used in wet conditions (wet snow, rain, puddles).

STORAGE

GENERAL

Proper snowmobile storage is a necessity during the summer months or when a vehicle is not being used for more than one month.

Refer to storage column from LUBRICATION AND MAINTENANCE CHART jointly with the present storage procedure in order to cover each and every aspect of the snowmobile storage procedure. Any worn, broken or damaged parts should be replaced.

WARNING

Unless otherwise specified, engine should be turned off for storage procedure.

VEHICLE CLEANING

To facilitate the inspection and ensure adequate lubrication of components, it is recommended to clean the entire vehicle.

Remove any dirt or rust.

To clean the entire vehicle, use only flannel cloths or equivalent.

CAUTION: It is necessary to use flannel cloths or equivalent on windshield and hood to avoid damaging further surfaces to clean.

To clean the entire vehicle, including bottom pan and metallic parts use BOMBARDIER Cleaner (P/N 293 110 001 (spray can 400 g) and P/N 293 110 002 (4 L)).

CAUTION: Do not use BOMBARDIER Cleaner on decals or vinyl.

For vinyl and plastic parts, use Vinyl & Plastic Cleaner (P/N 413 711 200 (6 x 1 L)).

To remove scratches on windshield or hood use BOMBARDIER Scratch Remover Kit (P/N 861 774 800).

CAUTION: Never clean plastic parts or hood with strong detergent, degreasing agent, paint thinner, acetone, products containing chlorine, etc.

Inspect the hood and repair any damage.

Touch up all metal spots with touch-up paint where paint has been scratched off.

Spray all bare metal parts including shock chromed rods with BOMBARDIER LUBE (P/N 293 600 016).

Wax the hood and the painted portion of the frame for better protection.

NOTE: Apply wax on glossy finish only.

ENGINE COMPARTMENT

Keep clean of grass, twigs, cloth, etc. These are combustible under certain conditions.

BATTERY

Remove battery, clean its tray and its exterior surface. Charge battery as explained in BATTERY section.

FUEL STABILIZER

With the new fuel additives, it is critical to use the fuel stabilizer (P/N 413 408 600) (250 mL) to prevent fuel deterioration, gum formation and fuel system components corrosion. Follow manufacturer's instructions for proper use.

Pour fuel stabilizer in fuel tank prior to starting engine for internal parts lubrication so that stabilizer flows everywhere in fuel system.

After engine starting, use primer several times so that stabilizer flows inside it.

Do not drain fuel system.

CAUTION: Fuel stabilizer should be added prior to engine lubrication to ensure carburetor protection against varnish deposit.

ENGINE LUBRICATION

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

Section 02 LUBRICATION AND MAINTENANCE

Subsection 03 (STORAGE)

Proceed as follows:

Start the engine and allow it to run at idle speed until the engine reaches its operating temperature.

WARNING

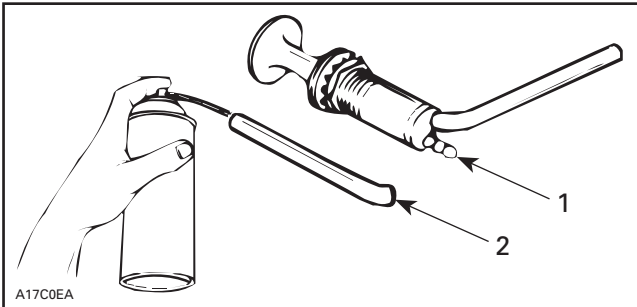
Ensure the track is free of all particles which could be thrown out while it is rotating. Keep hands, tools, feet and clothing clear of track. Ensure no one is standing in close proximity to the vehicle.

Stop the engine.

Models with a Primer

To prevent fuel from draining, primer button should be pushed all the way in.

Disconnect the outlet primer hose from the primer valve (straight coupling).



1. Straight coupling
2. To intake manifold

Insert storage oil (P/N 496 014 100) nozzle into primer outlet hose.

Models with a Choke

Remove air silencers to spray storage oil into each carburetor bore.

All Models

Restart engine and run at idle speed.

Inject storage oil until the engine stalls or until a sufficient quantity of oil has entered the engine (approximately half a can).

With the engine stopped, remove the spark plug and spray storage oil (P/N 496 014 100) into each cylinder.

Crank slowly 2 or 3 revolutions to lubricate cylinders.

Reinstall the spark plugs and the outlet primer hose or air silencers.

WARNING

This procedure must only be performed in a well-ventilated area. Do not run engine during storage period.

COUNTERSHAFT LUBRICATION

Driven pulley and brake disc must be floating on the countershaft for efficient operation. Lubricate with anti-seize lubricant (P/N 293 550 004).

CAUTION: Do not lubricate excessively as lubricant could contact and soil brake pads and/or drive belt.

PULLEY PROTECTION

After inspection and interior cleaning of pulleys, spray BOMBARDIER LUBE (P/N 293 600 016) on sheaves. Do not reinstall drive belt.

VEHICLE PROTECTION

Protect the vehicle with a cover to prevent dust accumulation during storage.

CAUTION: The snowmobile has to be stored in a cool and dry place and covered with an opaque but ventilated tarpaulin. This will prevent sun rays and grime from affecting plastic components and vehicle finish.

Lift rear of vehicle until track is clear of the ground. Install on a snowmobile mechanical stand.

NOTE: Do not release track tension.

RAGS IN AIR INTAKE AND EXHAUST SYSTEM

Block air intake hole and exhaust system hole using clean rags.

PRESEASON PREPARATION

Proper vehicle preparation is necessary after the summer months or when a vehicle has not been used for more than one month.

Refer to preseason preparation column from LUBRICATION AND MAINTENANCE CHART jointly with the present preseason preparation procedure in order to cover each and every aspect of the snowmobile preseason preparation procedure.

Any worn, broken or damaged parts found during the storage procedure should have been replaced. If not, proceed with the replacement.

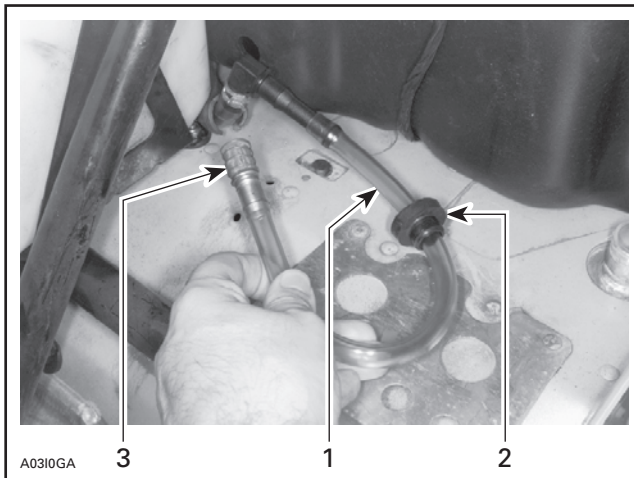
⚠ WARNING

Unless otherwise specified, engine should be turned off for preparation procedure.

FUEL FILTER REPLACEMENT

Drain fuel tank.

Remove fuel line grommet from fuel tank and pull out inlet fuel line from tank.



TYPICAL

1. Inlet fuel line
2. Position of grommet when installing
3. Fuel filter

Replace fuel filter. To facilitate the fuel line installation, slide grommet on fuel line about 50 mm (2 in) away from elbow then install grommet on fuel tank and push elbow through grommet.

CARBURETOR CLEANING

Disassemble carburetor(s) in order to clean all internal parts. Do not hesitate to replace any jets having gum or varnish on their surfaces.

AIR FILTER CLEANING

Check that inside of air silencer is clean and dry then properly reinstall the filter.

CAUTION: These snowmobiles have been calibrated with the filter installed. Operating the snowmobile without it may cause engine damage.

RAGS IN AIR INTAKE AND EXHAUST SYSTEM

Remove rags that were installed during STORAGE preparation.

ENGINE LUBRICATION

Add 500 mL (17 U.S. oz) of recommended injection oil to the first full filled fuel tank.

CLEANING OF DRIVE AND DRIVEN PULLEYS

Clean drive and driven pulleys sheaves with Parts Cleaner (P/N 413 711 809).

CLEANING OF BRAKE DISK

Remove any rust built-up on braking surfaces. Clean brake disk braking surfaces with Parts Cleaner (P/N 413 711 809).

DRIVE BELT CONDITION

Inspect belt for cracks, fraying or abnormal wear. Replace if necessary. Make sure to install the proper belt with arrow printed on belt pointing front of vehicle.

SPARK PLUGS

Once preseason preparation is done, start engine with the old spark plug(s) to burn excess storage oil. Then, install new properly gapped spark plug(s).