












Section 02 LUBRICATION AND MAINTENANCE
Subsection 01 (LUBRICATION AND MAINTENANCE CHART)

LUBRICATION AND MAINTENANCE CHART

SYSTEM	PART/TASK	10-HOUR INSPECTION (to be performed by dealer)	WEEKLY	MONTHLY	ONCE A YEAR	STORAGE (to be performed by dealer)	PRE-SEASON PREPARATION (to be performed by dealer)	REFER TO	
	Rewind Starter Lubrication and Rope Condition						✓	Subsection 04-07	
	Engine Head Nuts	✓			✓			Appropriate section: See TOP END	
	Engine Mount Nuts	✓			✓			Appropriate section: See ENGINE REMOVAL	
	Exhaust System	✓		✓			✓	Appropriate section: See ENGINE REMOVAL	
	Engine Lubrication					✓		This section no. 3	
	Cooling System Condition	✓			✓		✓	Subsection 04-06	
	Valve Clearance				✓			Subsection 04-03	
	Condition of Seals						✓	Subsection 04-04	
	Oil Level		EACH USE						This section no. 1
	Oil Change	✓	6 MONTHS						This section no. 2
	Fuel Filter Replacement						✓	This section no. 5	
	Fuel Strainer Cleaning						✓	This section no. 6	
	Fuel Lines and Connections	✓					✓	Subsection 04-09	
	Carburetor Adjustment	✓			✓		✓	Subsection 04-08	
	Throttle Cable Inspection	✓			✓		✓	Subsection 04-09	
	Condition of Drive and Driven Sprockets	✓		✓		✓	✓	Subsections 05-03 and 05-04	
	Lubrication of Drive and Driven Sprockets	✓		✓		✓	✓	Subsections 05-03 and 05-04	
	Retorquing of Clutch Screw	✓		✓		✓	✓	Subsection 05-02	
	Brake Condition	✓	✓				✓	Subsection 05-03	
	Brake Adjustment			✓			✓	Subsection 05-03	
	Drive Chain Tension and Lubrication	✓		✓		✓	✓	Subsection 05-04	
	Lubrication of Drive Axle Bearing	✓		✓		✓		Subsection 07-03	
	Steering and Front Suspension Mechanism	✓		✓		✓	✓	Subsections 08-02 and 08-03	
	Wear and Condition of Skis and Runners	✓	✓					Subsection 08-03	

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	Suspension Condition	✓			✓		✓	Section 07: See appropriate subsection
	Suspension Stopper Straps Condition				✓		✓	Section 07: See appropriate subsection
	Track Condition	✓		✓			✓	Subsection 07-04
	Track Tension and Alignment	✓	AS REQUIRED					
	Spark Plug *	✓		✓			✓	Subsection 06-03
	Headlight Beam Aiming				✓			Subsection 09-03
	Wiring Harnesses, Cables and Lines	✓		✓				Subsection 09-03
	Operation of Lighting System (headlight and taillight) Test Operation of Emergency Cut-Out Switch and Tether Cut-Out Switch	✓	✓				✓	<i>Operator's Guide</i>
	Rags in Air Intake and Exhaust System					✓	✓	This section no. 8
	Engine Compartment	✓		✓			✓	This section no. 9
	Vehicle Cleaning and Protection	✓		✓		✓		This section no. 10

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

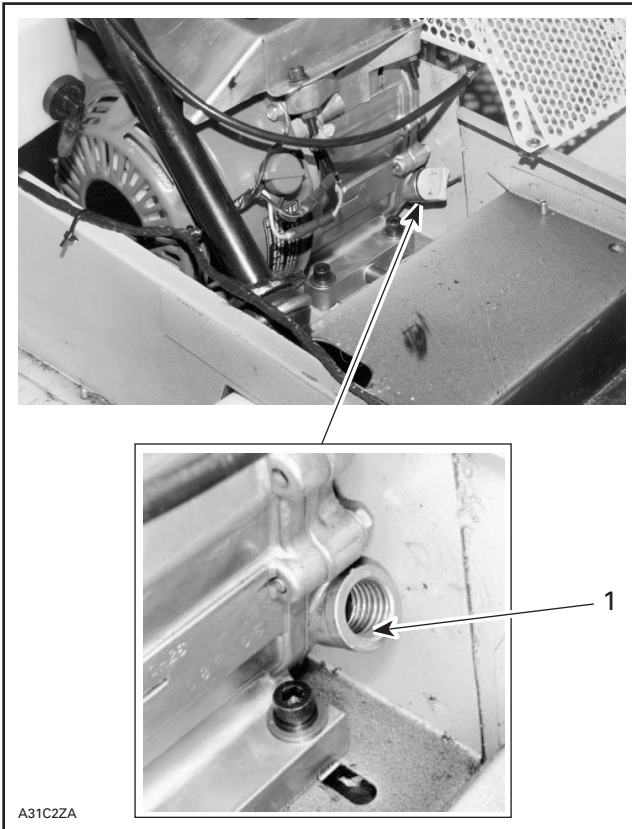
Section 02 LUBRICATION AND MAINTENANCE

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NO. 1 – ENGINE OIL LEVEL

With snowmobile on a level surface, check the oil level by removing dipstick at engine base.

Oil level must be to the top of the oil filler neck. If not, refill up to oil filler neck using SAE 5W/30 recommended oil. Refer to TECHNICAL DATA.



ADD OIL UNTIL IT REACHES THE TOP OF THE OIL FILLER NECK

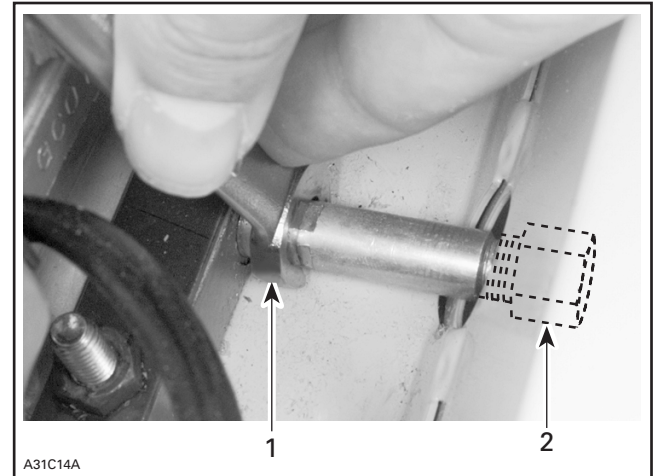
1. Top of the oil filler neck

NO. 2 – ENGINE OIL CHANGE

Refer to LUBRICATION AND MAINTENANCE CHART 02-01.

To drain oil from engine, **hold pipe** using a key then unscrew cap from underneath front of snowmobile. See next photo.

NOTE: To completely drain oil from engine, keep snowmobile leveled.



1. Hold pipe
2. Remove oil drain cap

NO. 3 – ENGINE LUBRICATION

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

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.

Remove carburetor cap to spray storage oil into carburetor bore.

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 cylinder.

Crank slowly 2 or 3 revolutions to lubricate cylinder.

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Reinstall the spark plug.

WARNING

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

NO. 4 – FUEL STABILIZER

A fuel stabilizer (P/N 413 408 600) can be added in fuel tank to prevent fuel deterioration and avoid draining fuel system for storage. Follow manufacturer's instructions for proper use.

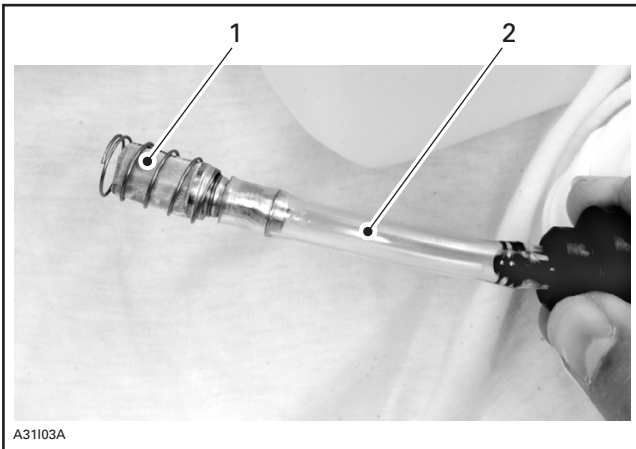
If above fuel stabilizer is not used, drain fuel system including fuel tank and carburetor.

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

NO. 5 – FUEL FILTER REPLACEMENT

Drain fuel tank.

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



1. Fuel filter
2. Fuel hose

Replace fuel filter.

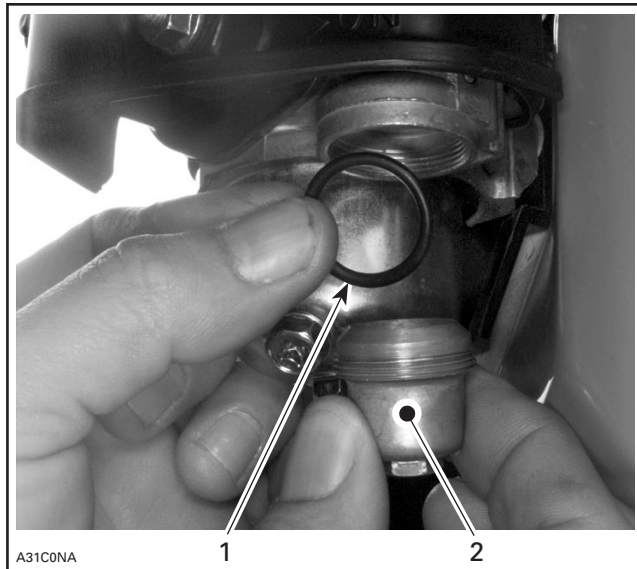
NO. 6 – FUEL STRAINER

Turn off fuel valve.



FUEL VALVE TO "OFF" POSITION

Remove the strainer cup, as shown in the next photo.



REMOVE STRAINER CUP

1. O-ring
2. Strainer cup

Clean the strainer cup with cleaning solvent (P/N 413 708 200).

Reinstall strainer cup with O-ring and tighten to 4 N•m (36 lbf•in).

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NO. 7 – DRIVE CHAIN CONDITION

Visually inspect the chain for cracked, damaged or missing link rollers.

Check for defective bearings, sprockets and worn chain tensioner components.

Lubricate drive chain as per lubrication chart.

Use BOMBARDIER LUBE (P/N 293 600 000).

CAUTION: Always lubricate drive chain slightly. Oil must not contact brake pad.

NO. 8 – RAGS IN AIR INTAKE AND EXHAUST SYSTEM

At storage preparation, block air intake hole and exhaust system hole using clean rags.

Remove those rags at pre-season preparation.

NO. 9 – ENGINE COMPARTMENT

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

NO. 10 – VEHICLE CLEANING AND PROTECTION

Remove any dirt or rust.

To clean the entire vehicle, use only flannel clothes or Kimtowels® wipers no. 58-380 from Kimberly-Clark.

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

To clean the entire vehicle, including metallic parts with a **thick** coat of grease, use Endust® imported by Bristol Myers, available at hardware stores or supermarkets.

For bottom pan cleaning, 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.

To clean the entire vehicle, including metallic parts with a **thin** coat of grease, use Simple Green® from Sunshine Makers Inc., available at hardware stores or at automotive parts retailer.

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: Start with "Slip Streamer Motorcycle Windshield Heavy Duty Scratch, Remover". Finish with "Slip Streamer Motorcycle Cleaner and Polish".

NOTE: The latest product may be use alone if only light scratches are noticeable.

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 where paint has been scratched off. Spray all metal parts 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. 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 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.