

TOOLS / PUBLICATIONS

Extended Storage

Extended storage of a snowmobile requires preventative measures to aid against deterioration and to prolong the useful life of many components.

Cleaning and Preservation of Hood, Chassis and Trim

Proper storage starts by cleaning, washing and waxing the hood, chassis, upholstery and plastic parts. Clean and touch up with paint any rusted or bare metal surfaces. Be sure that corrosive salt and acids are removed from surfaces before beginning preservation with waxes and rust inhibitors (grease, oil or paint).

The machine should be stored indoors, out of direct sunlight and covered with a fabric snowmobile cover. Plastic tarp can cause condensation to form and damage some snowmobile components.

Controls and Linkage

All bushings, spindle shafts and tie rod ends should be coated with a light coat of oil or grease. Throttle controls and cables should be lubricated with Polaris cable lubricant (PN 2870510).

Bearings

To prevent corrosion which will destroy the bearings, always grease jackshaft and driveshaft clutch side bearings with a high quality bearing grease.

Electrical Connections

Separate electrical connector blocks and clean corrosive build-up from connectors. Lubricate or pack connector blocks with Polaris corrosion resistant dielectric grease (PN 2871044) and re-connect. Replace worn or frayed electrical wire and connectors.

Battery

Whenever the snowmobile is placed in storage for one month or more, the battery should be removed, charged to proper level, and stored in a cool dry place. Or use Polaris Battery Tender™ battery charger.

Clutch and Drive System

Remove drive belt and store in cool dry location. Lubricate sheave faces, shaft and ramps of drive and driven clutches with a light coat of oil or Polaris Clutch and Cable lubricant (PN 2870510).

Front Suspension

To minimize fatigue on the front shocks and springs, it is recommended that the front end of the machine be safely blocked off the ground, removing tension from the shocks and springs.

Track and Suspension

Under normal conditions moderate track tension should be maintained during summer storage. The rear of the machine should be supported off the ground to allow free hanging of the track.

Engine and Carburetor

Proper off season preparation of the engine and fuel system is vital to the prevention of rust and corrosion formation on precision engine parts during storage.

We recommend adding 10 oz. of fuel conditioner/stabilizer such as Gold Eagle brand STA-BIL (Polaris PN 2870652) to the gas tank and topping off with fresh fuel.

Fog the engine with Polaris Fogging Oil (PN 2870791) following recommended procedures indicated on the can.

Lubrication

Lubricate the following fittings with Polaris low temperature grease (PN 2870577).

1. Spindles, left and right. The front end of the machine should be raised to permit better grease entry into the spindle area.
2. Steering post support bracket (aerosol lubricant).
3. Rear suspension pivot shafts.
4. Remove (12) radius rod end bushings. Clean, inspect, lubricate and reinstall. Torque radius rod bolts to 25 ft. lbs.
5. Lubricate both front ski pivots at grease zerk with low temperature grease.
6. Loosen driven clutch retaining bolt and pull clutch outward to expose jackshaft bearing. Use a point type grease gun fitting to inject grease through hole in flangette into bearing until grease purges out inside or outside bearing seal. Push clutch back on shaft and replace clutch retaining bolt.
7. Inject grease into fitting on speedometer drive adaptor until grease purges out inside or outside bearing seal.

Fall Tune Up

Obtaining maximum performance and use from a snowmobile requires proper care and preparation. Whenever inspection reveals worn or damaged parts, replacement is necessary.

Battery

Charge and test the battery before replacing it in the machine.

Track and Suspension

Check track tension and alignment and adjust if needed. Rotate track by hand to check for any possible damage. Carefully examine track along entire length of each rod, bending and inspecting for breakage. Check for loose nuts and bolts on suspension system. If any loose bolts are found on the rail beam, apply Loctite 262 and torque to 25 to 30 ft. lbs.

Steering Arm and Tie Rod Ends

Check steering arm and tie rod ends for play or looseness and adjust as needed.

Fasteners

Inspect and tighten all fasteners to recommend torque specs.

Clutch and Drive System

Inspect drive belt for wear, cracks and tears. If worn or damaged, replace with new belt. Install drive belt.

Spark Plugs

Inspect spark plugs and connections. Clean or replace as needed.

Controls and Linkage

Inspect all wires and cables for wear. Replace as needed. Lubricate throttle and choke controls and cables with Polaris cable lubricant. Be sure all cables and wires are routed away from hot or moving parts.

Bearings

To prevent corrosion which will destroy the bearings, always grease jackshaft and driveshaft clutch side bearings with a high quality bearing grease.

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Extended Storage (continued)

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Hoses

Examine all fuel and coolant hoses for cracks, stiffness or deterioration. Replace as needed.

Brakes

Check master cylinder reservoir to make sure it contains the correct amount of fluid. Fill only with Polaris DOT 3 high temperature brake fluid. Check brake pads for wear and replace as needed. Check brake lever travel.

Fluids

Check coolant level and fill with correct coolant mixture as required. To insure the coolant maintains its ability to protect the engine, it is recommended that the system be completely drained every two years and a fresh 50/50 mixture of anti-freeze and water be added.

Inspect chaincase for leaks. Check oil level and add Polaris chaincase oil as needed.

Check oil reservoir and fill with Polaris brand oil.

Emergency Shut Off Switch

Test operation of emergency shut off switch.

Throttle Safety Switch

Test operation of throttle safety switch.

Lights and Indicators

Check for proper operation of all lights, indicator lights and gauges.