

MAINTENANCE/TUNE UP

Off Season Storage

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. Ensure that all corrosive salt and acids are removed from surfaces before beginning preservation with waxes and rust inhibitors (grease, oil, or paint).

If the machine is equipped with a battery, disconnect the battery cables and clean the cables and battery posts. Fill battery to proper level with distilled water and charge to full capacity. Remove and store the battery in a cool dry place.

The machine should be stored in a dry garage or shed out of the sunlight and covered with a fabric snowmobile cover. *Do not use plastic to cover the machine;* moisture will be trapped inside causing rust and corrosion problems.

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. Force a small amount of lubricant down cables.

Polaris Cable Lubricant

PN 2870510

Electrical Connections

Separate electrical connector blocks and clean corrosive build-up from connectors. Lubricate or pack connector blocks with dielectric grease and reconnect. Replace worn or frayed electrical wire and connectors.

Dielectric Grease PN 2871027

Clutch And Drive System

Remove drive belt and store in a cool dry location. Lubricate sheave faces, shaft and ramps of drive and driven clutches with light oil or rust inhibitor. A generous amount of lubrication, such as Polaris cable lubricant should be applied onto the rollers and weight pins. All lubrication applied as a rust preventative measure must be cleaned off before installing belt for service and operating machine.

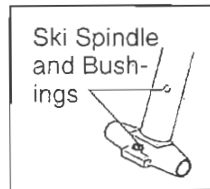
Chaincase Lubricant

Change chaincase lubricant as outlined in this section. Remove the outer cover and clean the chaincase thoroughly.

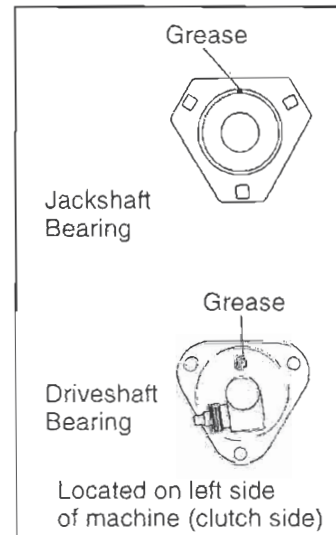
Lubrication

Refer to page 2.5-2.10 for complete lubrication information.

To prevent corrosion which will destroy the bearings, always grease jackshaft and drive shaft (clutch side) bearings with a high quality bearing grease. Loosen driven clutch retaining bolt and pull clutch outward to expose bearing. Use a point type grease gun fitting to inject grease through hole in flange into bearing until grease purges out inside or outside bearing seal. Push clutch back on shaft and replace clutch retaining bolt. Inject grease into fitting on speedometer drive adaptor until grease purges out inside or outside bearing seal. Lubricate both front ski pivots at bushings and spindles. See III.1 and 2.



III. 1



III. 2

Polaris Premium All Season Grease

PN 2871423 14 1/2 oz.

**Grease Gun Adapter: 2871174
Point Type**

Use T-9 Metal Protectant on shock absorber shafts to help prevent corrosion.

T-9 Metal Protectant

PN 2871064

Under normal conditions moderate track tension should be maintained during summer storage. Rubber track tension should be maintained at the prescribed normal operating tension specified in this manual. The rear of the machine should be supported off the ground to allow free hanging of track.

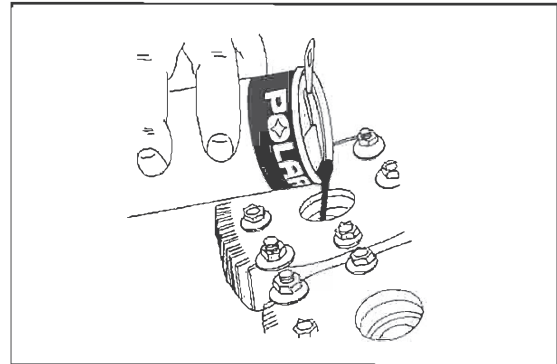
MAINTENANCE/TUNE UP Off Season Storage

Engine and Carburetor

Fog engine with Polaris Fogging Oil (aerosol type) according to directions on can. On models with carburetor vacuum fittings the fogging oil can be sprayed through the fitting.

If you choose not to use Polaris Fogging Oil perform the following procedure: Support front of snowmobile so engine is level or tilted slightly rearward. Remove spark plug(s). Rotate piston to BDC and pour approximately two ounces (16 ml) Polaris 2-Cycle Injector oil into the cylinder.

NOTE: Allow ample time for oil to flow from top of piston down transfer ports and onto crankshaft bearings before proceeding to next cylinder. Turn engine over several times to insure coverage of piston rings, cylinder walls and crankshaft bearings. See photo at right.



Polaris Fogging Oil PN 2870791

Treat the fuel system with Polaris fuel system additive

Carbon Clean PN 2871326

If Polaris fuel system additive is not used, fuel tank, fuel lines, and carburetor should be completely drained of gasoline. To eliminate any fuel remaining in the carburetor, run the engine until it stops.

Battery

Disconnect and remove battery. Fill with distilled water. Clean terminals and cables. Apply dielectric grease. Charge until specific gravity is at least 1.270 (each cell). If machine is to be stored for one month or longer, fill and charge battery monthly using Polaris Battery Tender, or a 1 amp trickle charger to maintain at 1.270 specific gravity.

Polaris Battery Tender

PN 2871076

EFI Storage Considerations

Add fuel conditioner/stabilizer and fill tank as described above. Fog engine. Disconnect battery ground cable if machine will be stored for 30 days or less. If storage period will exceed 30 days, remove battery from machine and maintain as described above. Cover and store machine out of direct sunlight. If machine is to be stored more than four months, start and run engine for at least 15 minutes and re-fog with fuel stabilizer added to the fuel.

Fill fuel tank and add the recommended amount of Polaris Fuel System Additive.