

STORAGE PROCEDURES

SERVICE PRODUCTS

Description	Part Number	Page
DOW CORNING 111	413 707 000	2
LOCTITE 767 (ANTISEIZE LUBRICANT)	293 800 070	2
XPS FUEL STABILIZER.....	413 408 601	1
XPS LUBE.....	293 600 016	1-3

PROCEDURES

PROPULSION SYSTEM

Cleaning and Protecting the Propulsion System

Clean jet pump by spraying water in its inlet and outlet and then apply a coating of XPS LUBE (P/N 293 600 016) or equivalent.

Inspecting the Jet Pump

Remove impeller cover and check if jet pump is water contaminated; if so, refer to *JET PUMP* subsection for the repair procedure.

FUEL SYSTEM

Inspecting the Fuel System

Verify fuel system. Check fuel hoses for leaks. Replace damaged hoses or clamps if necessary.

Protecting the Fuel System

XPS FUEL STABILIZER (P/N 413 408 601) (or equivalent) should be added in the fuel tank to prevent fuel deterioration and fuel system gumming. Follow manufacturer's instructions for proper use.

NOTICE Fuel stabilizer should be added prior to engine lubrication to ensure fuel system component protection against varnish deposits.

Fill up fuel tank completely. Ensure there is no water inside fuel tank.

NOTICE Should any water be trapped inside fuel tank, severe internal damage will occur to the fuel injection system.

ENGINE

Replacing Engine Oil and Filter

Change engine oil and filter. Refer to *LUBRICATION SYSTEM* subsection.

Flushing the Exhaust System

Flush the exhaust system. Refer to *EXHAUST SYSTEM* subsection.

Draining the Intercooler (230 Engine)

It is important to expel any trapped water that may have accumulated from condensation in the external intercooler.

NOTICE Failure to drain the intercooler may cause severe damage to this component.

Proceed as follows:

1. Open the seat.
2. Ensure there is an alignment line drawn on the throttle body inlet hose. This will ensure the hose is not twisted or kinked on reinstallation.
3. Loosen the clamp retaining the hose to the throttle body.
4. Remove the hose from the throttle body and direct it away from the throttle body and other components.
5. Start engine and rev up to 4000 RPM several times. Water will be expelled from the intercooler.

NOTE: Prevent air intake system from aspirating foreign objects which may cause severe engine or damage.

6. Stop engine.
7. Properly align and reinstall hose on throttle body.
8. Torque intercooler hose clamp as specified.

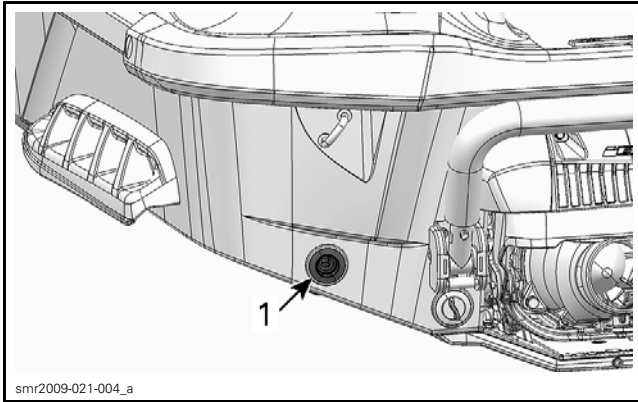
TIGHTENING TORQUE	
Intercooler hose clamp	4 N•m (35 lbf•in)

Subsection XX (STORAGE PROCEDURES)

Draining the Exhaust System

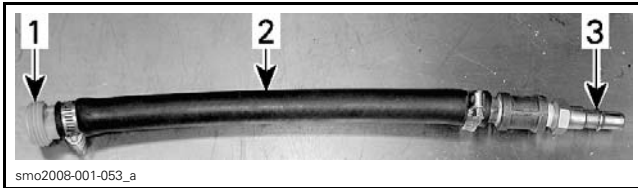
The exhaust system is self draining, but the exhaust manifold and intercooler (230 engine) need to be drained to avoid damages should the watercraft be stored in an area where the temperature attains the freezing point of water.

Using the flushing connector located at the rear of vehicle, inject pressurized air (at 380 kPa (55 PSI)) in the system until there is no more water flowing from jet pump.



1. Flushing connector

The following hose can be fabricated to ease draining procedure.



TYPICAL

1. Flushing adaptor (P/N 295 500 473)
2. Hose 13 mm (1/2 in)
3. Air hose male adaptor

NOTICE Failure to drain the exhaust manifold may cause severe damage to components.

Replacing the Engine Coolant

Antifreeze should be replaced every 300 hours or 5 years to prevent antifreeze deterioration.

NOTICE Failure to replace the antifreeze as recommended may allow its degradation that could result in poor engine cooling.

If coolant is not replaced, test the coolant density using an antifreeze hydrometer.

Replace coolant if necessary. For the coolant replacement procedure, refer to *COOLING SYSTEM* subsection.

NOTICE Improper antifreeze density may result in coolant freezing should the vehicle be stored in area where the freezing point is attained. This could seriously damage the engine.

Lubricating the Internal of the Engine

Engine must be lubricated to prevent corrosion on internal parts.

Lubrication of the engine is recommended at the end of the season and before any extended storage period to provide additional corrosion protection. This will lubricate the engine intake valves, the cylinders and the exhaust valves.

To lubricate the engine, proceed as follows:

1. Open seat.
2. Clean the area around the ignition coils to avoid dirt falling into a cylinder.
3. Remove ignition coils.
4. Unscrew spark plugs.
5. Using an ignition coil as a puller, remove spark plugs.
6. Spray XPS LUBE (P/N 293 600 016) into each spark plug hole.
7. Crank the engine a few turns to distribute the oil on cylinder wall.

NOTE: To crank engine, use the drowned mode to avoid injecting fuel. Fully depress throttle lever and hold for cranking engine.

8. Apply LOCTITE 767 (ANTISEIZE LUBRICANT) (P/N 293 800 070) on spark plug threads then reinstall them.

NOTE: Refer to *IGNITION SYSTEM* subsection for details on installing the spark plugs and ignition coils.

9. Prior to inserting the ignition coil onto its spark plug, apply some DOW CORNING 111 (P/N 413 707 000) around the seal area that touches the spark plug hole.
10. Reinstall ignition coils.
11. Reconnect ignition coil connectors.
12. Install all other removed parts.

ELECTRICAL SYSTEM

Removing the Battery

For battery removal, cleaning and storage, refer to *CHARGING SYSTEM* subsection.

ENGINE COMPARTMENT

Cleaning the Engine Compartment

1. Clean the bilge with hot water and a mild detergent, or using bilge cleaner.
2. Rinse thoroughly.
3. Lift front end of watercraft to completely drain bilge. Refer to appropriate *HULL* subsection for bilge drain plug removal.

Anticorrosion Treatment

Wipe off any residual water in the engine compartment.

Spray XPS LUBE (P/N 293 600 016) over all metallic components in engine compartment.

NOTE: The seat should be left partially open during storage. This will prevent engine compartment condensation and possible corrosion.

BODY AND HULL

Cleaning and Repair Body and Hull

Refer to *CLEANING AND REPAIR* subsection.

Replace damaged labels/decals.

Protecting Body and Hull

Apply a good quality marine wax on body and hull.

If the watercraft is to be stored outside, cover it with an opaque tarpaulin to prevent sun rays and grime from affecting the plastic components, watercraft finish as well as preventing dust accumulation.

NOTICE The watercraft should never be left in water for storage, stored in direct sunlight or stored in a plastic bag.