WATERCRAFT
SERVICE
Bulletin

October 29, 2010 Subject: **Storage Procedure** No. **2010-7**

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2010	All	All	All

NOTE: Carry out the following tasks in the same order as detailed in this bulletin.

PROCEDURES

Propulsion System

Jet Pump Cleaning

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.

⚠ WARNING

Always remove safety lanyard cap from post to prevent unexpected engine starting before cleaning the jet pump area. Engine must not be running for this operation.

Jet Pump Inspection

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

Drive Shaft Corrosion Protection

No protection against corrosion is required since the drive shaft is rubber-coated.

Fuel System

Fuel System Inspection

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

NOTICE **Salt water use may cause clamps to prematurely corrode. Therefore, they would require a closer look and a more frequent preventive replacement.**

Fuel System Protection

The BRP FUEL STABILIZER (P/N 413 408 600) or equivalent should be added in 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 components protection against varnish deposits.**

Engine

Engine Oil and Filter Replacement

Change engine oil and filter. Refer to *LUBRICATION SYSTEM* subsection in the appropriate *SHOP MANUAL*.

Intercooler Draining

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 components.**

All 255 Engine Models except iS Series

1. Removed the intake hose from throttle body.

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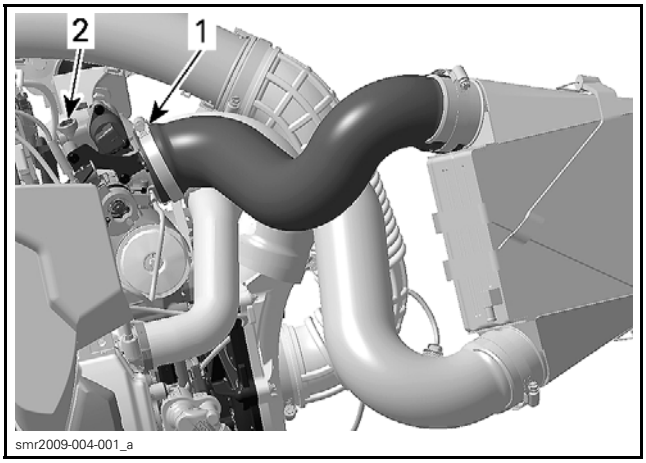


1. Intake hose
2. Throttle body

2. Start engine and rev up to 4000 RPMs several times. Water will be expelled from intercooler.

WATER EXPELLED FROM INTERCOOLER

3. Stop engine.
4. Liberally lubricate throttle body inside and out.
5. Clean off any lubrication on the throttle body intake hose flange.
6. Install air intake hose to the throttle body.

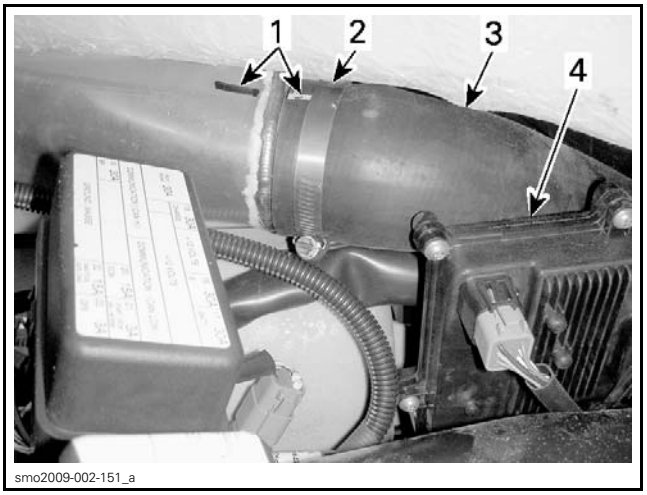
iS Series

Proceed as follows:

1. Loosen the clamp retaining the intercooler outlet hose.
2. Remove the intercooler outlet hose from the intercooler.

NOTE: This hose feeds the inlet of the throttle body.

3. Drape a couple of shop rags over the iS module to protect it from any expelled water from the intercooler.



1. Hose alignment lines
2. Hose clamp
3. Intercooler outlet hose
4. iS module

4. Start engine and rev up to 4000 RPMs several times. Water will be expelled from intercooler.

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

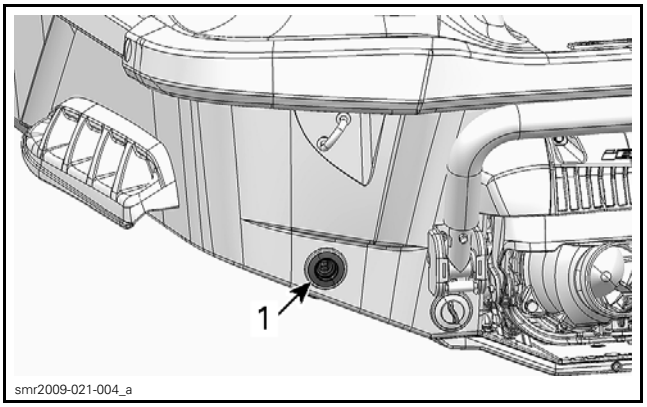
5. Stop engine.
6. Install intercooler outlet hose.

Exhaust System Protection

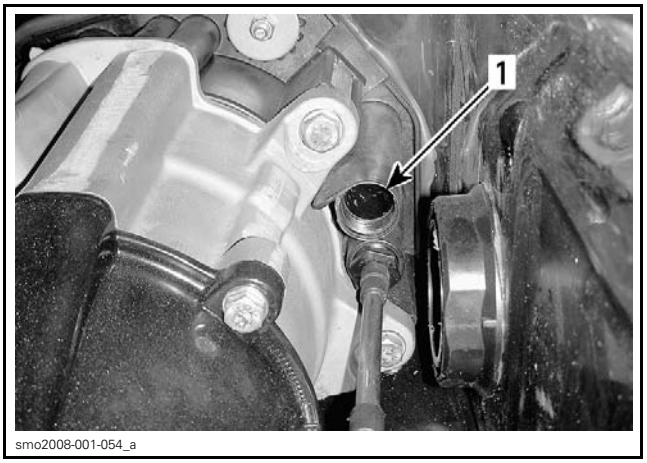
The exhaust system is self draining, but the exhaust manifold needs to be drained to avoid damages if watercraft is stored in area where freezing weather is present.

Using the flushing connector located at the rear of vehicle, inject pressurized air into system until there is no more water flowing from jet pump.

MODEL	AIR PRESSURE
iS Series	380 kPa (55 PSI)
All other models	689 kPa (100 PSI)

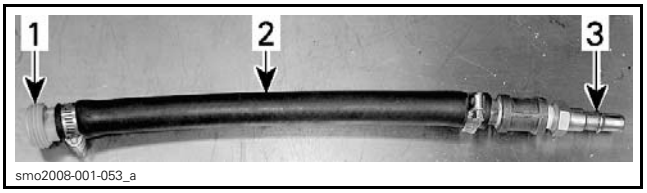


TYPICAL – IS SERIES
1. Flushing connector



TYPICAL – ALL OTHER MODELS
1. Flushing connector — location may differ

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 adapter

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

Engine Coolant Replacement

Antifreeze should be replaced every 200 hours or every two 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 in the appropriate *SHOP MANUAL*.

NOTICE Improper antifreeze density might lead coolant to freeze if vehicle is stored in area where freezing point is reached. This would seriously damage the engine.

Engine Internal Lubrication

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:

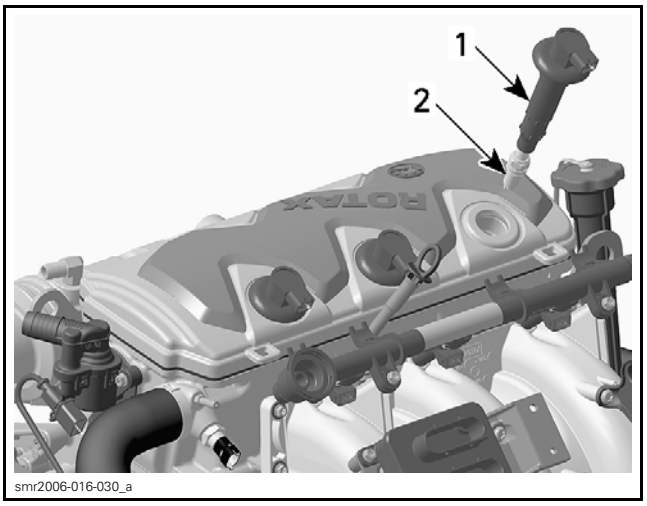
1. Open seat and remove the rear ventilation box.
2. On **iS series**, remove the rear ventilation box. For **all other models**, pull engine cover upward and remove it.
3. Disconnect ignition coil connectors.

⚠ WARNING

When disconnecting coil from spark plug, always disconnect coil from main harness first. Never check for engine ignition spark from an open coil and/or spark plug in the engine compartment as spark may cause fuel vapor to ignite.

NOTICE Never cut the locking ties of ignition coil connectors. This would allow mixing the wires between cylinders.

4. Clean ignition coil areas to avoid falling dirt into cylinder.
5. Remove ignition coils.
6. Unscrew spark plugs.
7. Using an ignition coil as a puller, remove spark plugs.



1. Ignition coil
2. Spark plug

8. Spray XPS LUBE (P/N 293 600 016) into each spark plug hole.
9. 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.

10. Apply LOCTITE 767 (ANTISEIZE LUBRICANT) (P/N 293 800 070) on spark plug threads then reinstall them.
11. Prior to inserting the ignition coil to its location, apply some DOW CORNING 111 (P/N 413 707 000) around the seal area that touches the spark plug hole.
12. Reinstall ignition coils.
13. Ensure the seal seats properly with the engine top surface.
14. Reconnect ignition coil connectors.
15. Install all other removed parts.

Electrical System

Battery Removal

For battery removal, cleaning and storage, refer to *CHARGING SYSTEM* subsection in the appropriate *SHOP MANUAL*.

Vehicle

Bilge Cleaning

Clean the bilge with hot water and mild detergent or with bilge cleaner.

Rinse thoroughly.

Lift front end of watercraft to completely drain bilge.

Body and Hull Cleaning

Wash the body with soap and water solution (only use mild detergent). Rinse thoroughly with fresh water. Remove marine organisms from the hull.

NOTICE **Never clean body parts or hull with strong detergent, degreasing agent, paint thinner, acetone, etc.**

Replace damaged labels/decals.

Body Repair

If any repair is needed, refer to *BODY* subsection in the appropriate *SHOP MANUAL*.

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.

Vehicle Protection

Apply a good quality marine wax on body and hull.

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

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.**