

SPECIAL PROCEDURES

SERVICE TOOLS

Description	Part Number	Page
SUCTION PUMP	529 035 880	22

SERVICE PRODUCTS

Description	Part Number	Page
ANTICORROSION SPRAY	219 700 304	23
DIELECTRIC GREASE	293 550 004	22
XPS LUBE.....	293 600 016	22–23

GENERAL

Refer to the following special procedures according to the specific event. Procedures described may not be applicable to every watercraft model.

PROCEDURES

TOWING THE WATERCRAFT IN WATER

Special precautions should be taken when towing a Sea-Doo watercraft in water.

The maximum recommended towing speed is 21 km/h (13 MPH).

If you have to tow the watercraft, clamp the water supply hose in the engine compartment.

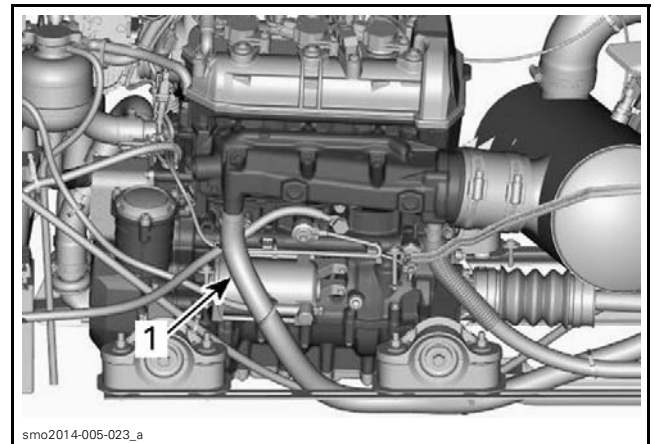
To access the water supply hose, pull out the LH access cover below the LH side of the seat and slide rearward to remove.

WARNING

Some components in the engine compartment may be hot. To avoid injury, wait for engine to cool down.

 CAUTION Make sure the hose is properly clamped before towing the watercraft. If hose is not properly clamped when engine is not running, water will accumulate in the exhaust system, will enter the engine and cause damages.

NOTICE Failure to follow these instructions may result in damage to the engine. If you must tow a stranded watercraft in water, be sure not to exceed the maximum towing speed of 21 km/h (13 MPH).



1. Water supply hose

Reinstall the LH access cover in the reverse of the removal procedure.

SUBMERGED WATERCRAFT

NOTICE Never try to crank or start engine. Water trapped in the intake manifold or inside air intake silencer would flow towards the engine and possible cause severe engine damage.

1. Drain bilge.
2. Remove the central body. Refer to *BODY* sub-section.
3. If the watercraft was submerged in salt water, rinse the bilge and all components thoroughly with fresh water using a garden hose to stop the salt corroding effect.
4. Check for water inside:
 - Air intake system
 - Exhaust system
 - Combustion chamber.

Section 01 MAINTENANCE

Subsection 05 (SPECIAL PROCEDURES)

If water found, refer to *WATER-FLOODED ENGINE* in this subsection.

5. Inspect all electrical connectors (harness and part side) for trace of corrosion.
 - If any corrosion is found, repair terminals and connectors.
 - Reapply DIELECTRIC GREASE (P/N 293 550 004) if needed in all connectors except the ECM and starter relay ones.

If terminals and connectors are not corroded, re-install the central body, as per procedure done in the *BODY* subsection.

Engine Lubrication

Refer to *WATER-FLOODED ENGINE* in this subsection.

Fuel Inspection

Check fuel tank for water contamination. If necessary, siphon and refill with fresh fuel.

WATER-FLOODED ENGINE

If the engine is flooded with water, it must be serviced within a few hours after the event. Otherwise, the engine will have to be overhauled.

NOTICE

- Never try to crank or start the engine. Water trapped in the intake manifold or inside air intake silencer would enter the combustion chamber through the intake valves and may cause damage to the engine.
- An engine flooded with water must be properly drained, lubricant replaced (oil change), operated (cranking of engine), then lubricant replaced again, otherwise parts will be seriously damaged.

Exhaust System Draining

If water is suspected to be in the exhaust system, remove and drain the resonator, muffler and exhaust manifold. Refer to *EXHAUST SYSTEM* subsection.

Intake System Draining

1. If water is present in the air intake silencer, empty it and check for water in the inlet hose. Refer to *AIR INTAKE SYSTEM* subsection.
2. Remove the water from blow-by hose.

3. If water is suspected in the intake manifold, remove the intake manifold and drain it. Then siphon the water out from the intake valve ports. Refer to *AIR INTAKE SYSTEM* subsection.

Combustion Chamber Draining and Lubrication

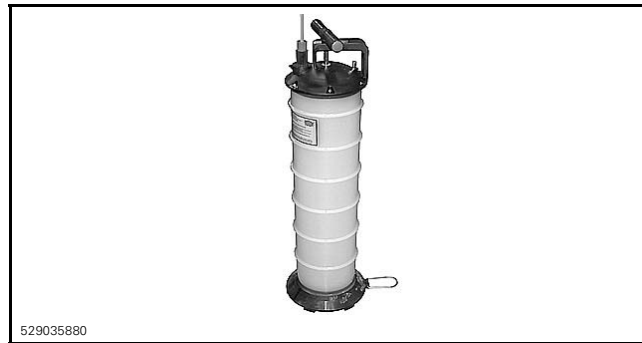
Remove spark plugs.

Drain any water from combustion chambers and spray XPS LUBE (P/N 293 600 016) in each spark plug hole. **Do not crank engine yet.**

Engine Oil and Filter Replacement

If the engine oil is contaminated with water (oil will be milky), change the engine oil and filter as per following procedure.

1. Using the SUCTION PUMP (P/N 529 035 880), siphon the contaminated oil from the engine reservoir through the dipstick tube.



2. Remove the suction pump tube from the dipstick tube.
3. Remove the oil filter. Refer to *LUBRICATION SYSTEM* subsection.
4. Siphon the contaminated oil from the oil filter reservoir.
5. Fully depress throttle lever and HOLD it for cranking. Crank the engine for 10 seconds.
6. Again, siphon the contaminated oil from the oil filter reservoir and dipstick tube.
7. Continue cranking and siphoning oil until no more oil coming into the oil filter reservoir.
8. Install a **NEW** oil filter and reinstall the oil filter cap.
9. Replenish the engine with appropriate amount of the recommended engine oil. Refer to *LUBRICATION SYSTEM* subsection.
10. Reinstall spark plugs and ignition coils. Refer to *IGNITION SYSTEM* subsection.

NOTE: The installation of new spark plugs should be necessary

11. Proceed with the *BOIL OUT PROCEDURE* that follows.

Boil Out Procedure in Water

NOTICE This procedure may be performed in water only. Performing this procedure out of water, using a garden hose, may seriously damaged the PTO sealing system and the cooling system.

NOTE: The boil out procedure is intended to evaporate a small quantity of water contained in the oil system.

1. Run the engine for 20 minutes at 4500 RPM.
2. Shut the engine off.
3. Change the oil and filter again.

Anticorrosion Treatment

NOTICE It is important to apply an anticorrosion treatment, especially if the vehicle was submerged in salt waters.

Wipe off any residual water in the engine compartment.

Spray XPS LUBE (P/N 293 600 016) or ANTICORROSION SPRAY (P/N 219 700 304) over all metallic components in engine compartment

NOTICE Never spray XPS LUBE (P/N 293 600 016) on any plastic parts or any electrical connector. For these parts always used ANTICORROSION SPRAY (P/N 219 700 304).s

CAPSIZED WATERCRAFT

Capsized for More than 5 Minutes

Refer to *SUBMERGED WATERCRAFT* in this subsection.