Section 6 - Storage

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Cold Weather (Freezing Temperature) and Extended Storage

IMPORTANT: Mercury MerCruiser strongly recommends that these services be performed by an authorized Mercury MerCruiser dealer.

NOTICE
Water trapped in the seawater section of the cooling system can cause corrosion or freeze damage. Remove the boat from the water to drain the seawater section of the cooling system immediately after operation or before any length of storage in cold weather.

1. Read all precautions and perform all procedures found in **Draining the Vazer 100 Seawater System** and drain the seawater section of the cooling system.

Draining the Vazer 100 Seawater System

The Vazer 100 has a self draining seawater system. Removing the boat from the water and placing the sterndrive in the full down (in) position will allow the self draining system to drain all seawater from the engine and the sterndrive.

1. Remove the boat from the water.

IMPORTANT: Place the sterndrive in the full down (in) position to ensure that no seawater gets trapped in the engine or sterndrive.

2. Place the sterndrive in the full down (in) position to allow any trapped water in the sterndrive to drain.
3. Allow the system to drain for a minimum of 5 minutes.

Preparing the Power Package for Extended Storage

IMPORTANT: Mercury MerCruiser recommends performing all scheduled maintenance before proceeding with the Extended Storage procedure. Refer to the Maintenance section.

1. Flush the seawater cooling system. Refer to **Flushing the Seawater System** in the **Maintenance** section.
2. Fill the fuel tanks with fresh gasoline (that does not contain alcohol) and a sufficient amount of Quicksilver Gasoline Stabilizer for Marine Engines to treat the gasoline. Follow instructions on the container.
3. If the boat is to be placed in storage with fuel containing alcohol in fuel tanks (if fuel without alcohol is not available), drain the fuel tanks as low as possible and add Mercury/Quicksilver Gasoline Stabilizer for Marine Engines to any fuel remaining in the tank. For additional information, refer to **Fuel Requirements** in the **Specification** section.
4. Change the engine oil and the oil filter. Refer to **Engine Oil** in the **Maintenance** section.
5. Prepare the engine and fuel system for storage. See **Engine and Fuel System Preparation**.
6. Drain the engine seawater cooling system. See **Draining the Vazer 100 Seawater System**.

NOTICE
The universal joint bellows may develop a set when stored in a raised or up position, causing the bellows to fail when returned to service and allowing water to enter the boat. Store the sterndrive in the full down position.

7. Place the sterndrive in the full down (in) position.

8. Store the battery according to the manufacturer's instructions.

Engine and Fuel System Preparation

⚠ WARNING

Fuel is flammable and explosive. Ensure the key switch is off and the lanyard is positioned so that the engine cannot start. Do not smoke or allow sources of spark or open flame in the area while servicing. Keep the work area well ventilated and avoid prolonged exposure to vapors. Always check for leaks before attempting to start the engine and wipe up any spilled fuel immediately.

⚠ WARNING

Fuel vapors trapped in the engine compartment may be an irritant, cause difficulty breathing, or may ignite resulting in a fire or explosion. Always ventilate the engine compartment before servicing the power package.

NOTICE

Running out of fuel can damage catalyst components. Do not allow the fuel tanks to become empty during operation.

1. Mix the following in a 23 L (6 gal) remote fuel tank.

Fluid Type	Amount in Mixture
Regular unleaded 87 octane (90 RON) gasoline	19 L (5 gal)
Premium Plus 2-Cycle TC-W3 Outboard Oil	1.89 L (2 US qt.)
Fuel System Treatment and Stabilizer or Fuel System Treatment and Stabilizer Concentrate	150 mL (5 oz) or 30 mL (1 oz)

Tube Ref No.	Description	Where Used	Part No.
115	Premium Plus 2-cycle TC-W3 Outboard Oil	Fuel system	92-858026K01
124	Fuel System Treatment & Stabilizer	Fuel system	858071K01

2. Allow the engine to cool.
3. Close the fuel shut off valve, if equipped.

IMPORTANT: Use a suitable container to collect fuel. Clean up any spills immediately and dispose of fuel in a safe manner in accordance with all local, federal, and international regulations.

4. Disconnect and plug the fuel line if not equipped with a fuel shut off valve.
5. Connect the remote fuel tank (with the mixture) to the fuel inlet fitting.

NOTICE

Without sufficient cooling water, the engine, the water pump, and other components will overheat and suffer damage. Provide a sufficient supply of water to the water inlets during operation.

6. Supply cooling water to the seawater inlets. Refer to **Supplying Cooling Water to the Engine** in the **Maintenance** section.
7. Start the engine. Allow the mixture to circulate through the fuel system for 5 minutes. Turn off the engine.

8. Allow the engine to cool down.
9. Replace the water separating fuel filter element. Refer to **Section 5**.
10. Disconnect the remote fuel tank and reconnect the fuel line to the fuel inlet fitting.

Battery Storage

Whenever the battery will be stored for an extended period of time, be sure the cells are full of water and the battery is fully charged and in good operating condition. It should be clean and free of leaks. Follow the battery manufacturer's instructions for storage.

Power Package Recommissioning

1. Open the fuel shut off valve if equipped.
2. Ensure that all cooling system hoses are connected properly and hose clamps are tight.

⚠ CAUTION

Disconnecting or connecting the battery cables in the incorrect order can cause injury from electrical shock or can damage the electrical system. Always disconnect the negative (-) battery cable first and connect it last.

3. Install a fully charged battery. Clean the battery cable clamps and terminals and reconnect cables. Tighten each cable clamp securely when connecting.
4. Coat the terminal connections with a battery terminal anti-corrosion agent.
5. Perform all the checks in the before starting column of the **Operation Chart**.

NOTICE

Without sufficient cooling water, the engine, the water pump, and other components will overheat and suffer damage. Provide a sufficient supply of water to the water inlets during operation.

6. Supply cooling water to the seawater inlets. Refer to **Supplying Cooling Water to the Engine** in the **Maintenance** section.
7. Start the engine and closely observe instrumentation to ensure that all systems are functioning correctly.
8. Carefully inspect the engine for fuel, oil, fluid, water, and exhaust leaks.
9. Inspect the steering system, shift, and throttle control for proper operation.