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## SECTION 9 • SERVICE INFORMATION

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### USEFUL SERVICE INFORMATION

OWNER \_\_\_\_\_

HOME PORT \_\_\_\_\_

BOAT NAME \_\_\_\_\_

REGISTRATION # \_\_\_\_\_ STATE \_\_\_\_\_

HULL SERIAL # \_\_\_\_\_

WARRANTY REGISTRATION DATE \_\_\_\_\_

ENGINE MAKE & MODEL \_\_\_\_\_

SERIAL # \_\_\_\_\_

OUTDRIVE RATIO \_\_\_\_\_

SERIAL # \_\_\_\_\_

PROPELLER SIZE \_\_\_\_\_

PART # \_\_\_\_\_

FUEL CAPACITY \_\_\_\_\_

WATER CAPACITY \_\_\_\_\_

KEY #, IGNITION \_\_\_\_\_ DOOR \_\_\_\_\_

SELLING DEALER \_\_\_\_\_

CITY & STATE \_\_\_\_\_

LENGTH \_\_\_\_\_

BEAM \_\_\_\_\_

DRAFT \_\_\_\_\_

VERTICAL CLEARANCE \_\_\_\_\_

ESTIMATED WEIGHT \_\_\_\_\_

MAXIMUM LOAD: WEIGHT \_\_\_\_\_ # PEOPLE \_\_\_\_\_

GENERATOR SERIAL # \_\_\_\_\_

MODEL # \_\_\_\_\_ KILOWATTS \_\_\_\_\_

## SERVICE GUIDE

**NOTE:** The Service Guide is based on average operating conditions. Under severe operating conditions, intervals should be shortened. Operation in salt water is considered severe operating conditions.

REFER TO THIS MANUAL AND YOUR ENGINE OPERATOR'S MANUAL FOR DETAILS.

	BEFORE EVERY USE	AFTER FIRST 20 HRS.	EVERY 100 HOURS	ANNUALLY
CHECK ENGINE OIL LEVEL	●			
CHANGE ENGINE OIL			●	●
REPLACE OIL FILTER			●	●
REPLACE ENGINE MOUNTED FUEL FILTER			●	
CHECK OUTDRIVE FLUID LEVEL	●			
CHANGE OUTDRIVE FLUID				●
CLEAN CRANKCASE VENTILATING SYSTEM		●	●	
CLEAN TRANSMISSION OIL STRAINER SCREEN**				●
CHECK COOLING SYSTEM CONNECTIONS FOR LEAKS (WITH ENGINE RUNNING)	●			
TIGHTEN ENGINE MOUNT FASTENERS		●		●
CHECK FOR LOOSE, DAMAGED OR MISSING PARTS	●			
CHECK PICK-UP & WATER IMPELLERS**				●
CHECK ACCESSORY DRIVE BELTS	●			
CLEAN FLAME ARRESTOR		●	●	
CHECK ZINCS	EVERY 25 HOURS			

Equipment Listed To Service May Not Be Standard Equipment or Even Available as Options On Your Particular Sea Ray® Sport Boat. Service Equipment Which Your Boat Is Equipped With.

## SERVICE GUIDE (CONT'D)

REFER TO THIS MANUAL AND YOUR ENGINE OPERATOR'S MANUAL FOR DETAILS.

	BEFORE EVERY USE	AFTER FIRST 20 HRS.	EVERY 50 HOURS	EVERY 100 HOURS	ANNUALLY
CHECK MACERATOR SEACOCK***	●	●	●		
LUBRICATE MACERATOR SEACOCK***					●
CHECK ENGINE ALARMS	●				
CHECK EXHAUST SYSTEM FOR LEAKS	●	●		●	
CHECK FUEL SYSTEM LINES & CONNECTIONS	●	●	●		
CHANGE WATER SEPARATING FUEL FILTER		●			●
LUBRICATE THROTTLE & SHIFT LINKAGE PIVOT POINTS		●		●	●
CHECK BATTERY ELECTROLYTE LEVEL	●	●	●		
CHECK ALL ELECTRICAL CONNECTIONS (Including Dockside Power Inlet)*		●			●
INSPECT PROPELLER FOR POSSIBLE DAMAGE			●		
CHECK WATER SYSTEM PUMP FILTER*		●	●		●
INSPECT FRESH WATER PUMP & WATER SYSTEM*		●		●	
CHECK HOLDING TANK LEVEL*	●				
CHECK FLUID IN TRIM PLANE PUMP*		●			●
TEST 120 VOLT GFI OUTLET*					●
CHECK OIL IN STEERING SYSTEM	EVERY 3 MONTHS				

\* Equipment listed to service may not be standard equipment or even available as options on your particular Sea Ray® Sport Boat. Service equipment which your boat is equipped with.

\*\* Sea Ray® recommends that this maintenance be performed by an authorized service center.

\*\*\* Service required for macerator equipped boats only.

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## QUICK REFERENCE DEPARTURE CHECKLIST

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As the owner/operator of a Sea Ray® Sport Boat, you are responsible for the safe operation your boat and the safety of your passengers. Always be sure that required documents, navigational equipment and Coast Guard required safety equipment is aboard and in proper working order.

### BOARDING THE BOAT\*

#### GENERAL

1. Weather Conditions ..... Is it going to be safe to go out
2. Transom Drain Plug ..... Installed
3. PFDs and all other Coast Guard required safety equipment ..... Available for all children and adults
4. Ignition keys ..... Available
5. Tool Box ..... Stocked with a variety of appropriate tools

#### TRAILER

1. Wheel Lug Nuts ..... Tight (None missing)
2. Trailer Lights ..... Working properly
3. Winch and Tie Downs ..... Tight and secure

#### BOAT SYSTEMS

1. Bilge Pump ..... Working. Discharge any appreciable amounts of water overboard
2. Blower ..... Working. "Sniff" the bilge/engine compartment for fuel odor
3. Navigation Lights ..... Working. Have spare bulbs and fuses aboard
4. Radio/Electronics ..... Working
5. Horn ..... Working
6. Power Trim/Trim Tabs ..... Full range of motion. No excessive play or binding  
(If Applicable)
7. Fresh Water Tank ..... Filled and sanitized  
(If Applicable)
8. Head System Holding Tank ..... Empty  
(If Applicable)
1. Seacock ..... Open (handle parallel to hose)  
(If Applicable)

#### ENGINE

1. Battery(ies) ..... Fully charged (Check water cell levels)
2. Fuel Tank ..... Filled with recommended fuel
3. Fuel System ..... Check for leaks
4. Fuel Filter ..... Check that filter is clean and tight
5. Diesel Racor Fuel Filter ..... Check that filter is clean, tight and free of water
6. Engine Coolant Drain Plugs ..... Secured
7. Steering Fluid ..... Full
8. Throttle/Gearshift Control Test ..... Full range of motion

\*Note: Many of these items should be checked before leaving the house.

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## QUICK REFERENCE DEPARTURE CHECKLIST (CONT'D)

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### PREPARING TO DEPART AND AFTER LAUNCHING

#### GENERAL

1. Bilge/Engine Compartment..... "Sniff" the bilge/engine compartment for fuel odor.  
Run the bilge blower for at least four (4) minutes.
2. Shore Power Cable ..... Disconnected from dockside power inlet  
(If Applicable)
3. Lines, Fenders and Anchor ..... Ready for use
4. Passengers/Crew ..... Instructed in duties for getting underway and fitted  
for a correct size PFD

#### ENGINE

1. Battery Switch ..... In the ON position
2. Fuel Valve ..... Open  
(If Applicable)
3. Engine Alarm ..... Test. Should sound after a few seconds
4. Gear Shift/Throttle Control ..... In NEUTRAL/IDLE position

### STARTING THE ENGINE\*

1. Gearshift/Throttle Control ..... Shift in NEUTRAL (Refer to your Engine Owner's  
Manual for startup procedures for your specific  
engine)
2. Ignition Key ..... Turn clockwise to START. Hold in START position  
until engine starts, then release to ON position

**IMPORTANT:** Do not continue to operate starter for more than 10 seconds without pausing to allow starter motor to cool off for 2 minutes. This also will allow the battery to recover between starting attempts.\*

**! WARNING !**  
Do not run the engine in an enclosed area, such as a closed boat house, as there is the possibility of buildup and inhaling of carbon monoxide.

\*If engine fails to start, refer to Pg. 9.7 and/or the Engine Owner's Manual for further troubleshooting procedures

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## QUICK REFERENCE DEPARTURE CHECKLIST (CONT'D)

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### WHILE UNDERWAY

#### GENERAL

1. Passengers/Crew ..... Safely seated with PFD's on or immediately accessible
2. Lines and Fenders ..... Stowed

#### BOAT SYSTEMS

1. Power Trim/Trim Tabs ..... Bring boat to "On Plane"
2. Navigation Lights ..... On at night or in reduced visibility

#### ENGINE

1. Tachometer ..... Engine operating in safe RPM range
2. Engine Gauges ..... Continually monitor
3. Engine Operation ..... Check idle and shift. Listen for abnormal noises and visually check the engine compartment while underway

### RETURNING TO PORT

#### GENERAL

1. Passengers/Crew ..... Instructed in duties for line handling
2. Lines and Fenders ..... Ready for use

#### BOAT SYSTEMS

1. Navigation Lights ..... Turned OFF when secured
2. Anchor Light ..... ON if necessary
3. Bilge/Engine Compartment ..... "Sniff" the bilge/engine compartment for fuel odor. Run the bilge blower if necessary. Check for water in bilge. Run bilge pump if necessary

#### ENGINE

1. Gearshift/Throttle Control ..... Bring to NEUTRAL position
1. Tachometer ..... Idle the engine for five (5) minutes to cool down
2. Ignition Key ..... Turn to OFF position when engine is cooled down
3. Engine Operation ..... Check idle and shift. Listen for abnormal noises

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## QUICK REFERENCE DEPARTURE CHECKLIST (CONT'D)

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### SECURING THE BOAT

#### GENERAL

1. Shore Power Cable ..... Connected to dockside power inlet  
(If Applicable)
2. Lines and Fenders ..... Fenders in place, lines tied securely to dock

#### BOAT SYSTEMS

1. Seacock ..... Closed (handle perpendicular to hose)  
(If Applicable)
2. Helm Switch Panel ..... All switches in the OFF position
3. Gearshift/Throttle Control ..... In the NEUTRAL position

#### ENGINE

1. Ignition Switch ..... In the OFF position and keys removed
2. Battery Switch ..... In the OFF position
1. Fuel Valve ..... Closed (handle perpendicular to hose)  
(If Applicable)

### IF THE ENGINE DOES NOT START

#### NO STARTER MOTOR RESPONSE

1. Check battery condition for sufficient charge
2. Check battery cable connections tight and free from corrosion
3. Check battery switch in the ON (or BOTH) position
4. Check gearshift/throttle control lever in the NEUTRAL position
5. Check starter motor and solenoid connections
6. Check ignition switch connections

#### STARTER MOTOR RESPONDS, BUT NO IGNITION

1. Check electrical connections on engine wiring harness and ignition wiring
2. Check that fuel tanks are not empty
3. Check fuel filter and filter/water separator (if applicable) clean
4. Check ignition shutdown switch safety lanyard properly connected

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