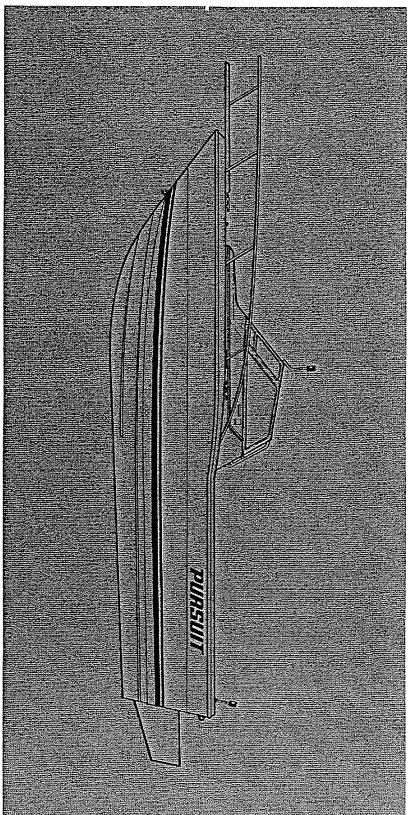


K-3

**PURSUIT**<sup>®</sup>



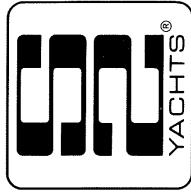
**OWNER'S MANUAL**  
**2350 Outboard Bracket**





## **THE CONTENTS OF THIS BOOK**

Introduction .....	3
The Boater's Dictionary .....	4
The Operating Controls	
The Main Gauge Panel .....	5
The Battery Main Switch .....	5
The Accessory Switch Panel .....	6
The Horn Button .....	6
The Ignition Switch .....	7
The Helm .....	7
The Compass .....	7
The Capacity Specification Plate .....	8
The Fire Extinguisher .....	8
The Washdown Pump Connection .....	9
The Oil Tank .....	9
How To Prepare Your Boat For Operation	
How To Fill The Fuel Tank .....	10
How To Open And Close The Windshield Vents .....	11
To Transport The Boat On A Trailer .....	11
Do These Procedures Before Each Use Of The Boat .....	11
How To Operate The Boat	
Recommended Safety Check Procedures .....	13
To Operate The Boat .....	13
To Start The Boat .....	14
To Stop The Boat .....	14
Maintenance	
The Electrical System .....	15
The Engine .....	15
The Engine Lube Oil .....	15
How To Clean And Set The Spark Plugs .....	
How To Fill The Batwell With Water .....	16
The Cooling System .....	16
The Ventilation System .....	17
The Bilge Pump .....	17
How To Maintain The Exterior Surface Of The Boat .....	18
How To Maintain The Interior Of The Boat .....	18
Below The Water Line Of The Boat .....	19
Service Inspection .....	19
How To Prepare The Boat For Lay-Up	
The Bilge Area .....	20
The Engine .....	20
The Battery .....	20
The Hardware .....	21
To Support The Boat During Storage .....	21
Storage .....	21
To Commission The Boat .....	
Model 2350 Outboard Bracket Boat Specifications .....	23
Drawings And Parts Lists	
Model 2350 Outboard Bracket Replacement Parts —	
Exterior Profile .....	24,25
Model 2350 Outboard Bracket Replacement Parts —	
Exterior/Interior .....	26,27
The Plumbing, Mechanical and Steering Drawing .....	28,29
The Live Batwell Circulating System .....	30
The Wiring Diagram .....	31



Dear Pursuit® Owner:

All of us at S2 Yachts are pleased that you have selected one of our Pursuits as your boat. As I'm sure you've discovered during the selection and decision process, your Pursuit® has been designed, engineered and built with care and precision.

Please allow me to note this personal philosophy. When I started this company, my goal was to provide you, our customer, with the finest quality boat available. Everything we have achieved since that time has been with that same goal in mind.

The information in this owner's manual has been assembled to assist you with your Pursuit for maximum enjoyment. Please read this manual completely and always operate your boat safely and courteously.

Thank you for selecting a Pursuit. We all wish you many years of boating fun and safety.

Sincerely,

*Leon R. Slirkers*  
Leon R. Slirkers  
Chief Executive Officer

## **INTRODUCTION**

This manual has important information for the use and safe operation of your Pursuit.® Read and understand the manual before operating your boat. Keep this manual, and tell all operators to read the manual.

For the safe operation of this boat, read and understand all warnings and cautions. Look for these symbols:

**" WARNING"** means: If you do not follow the instructions in a warning, injury or death can occur to you or other people.

**" CAUTION"** means: If you do not follow the instructions in a caution, damage can occur to the boat or equipment.

All directions given in this book are as seen from the stern looking toward the bow.

**IMPORTANT NOTE:** Your boat uses internal combustion engines and flammable fuel. Every precaution has been taken by S2 to reduce the risks associated with possible injury and damage from fire or explosion, but your own precaution and good maintenance procedures are necessary in order to enjoy safe operation of your boat.

Owner manuals from the manufacturers of the engines, the generator, the head, the stove, the refrigerator, etc., are included in the literature packet. Read these manuals. To validate the warranty on these parts, fill out the warranty cards and return the cards to the manufacturers.

A guide to power boat ownership and operation, "You and Your Boat", is included in the literature packet. **Read it carefully.**

After the boat is delivered, make sure you and your dealer fill out the "Delivery Launching Record and Boat Registration" form. Return the copy marked "S2 Yachts" to S2 Yachts, Inc., 725 E. 40th Street, Holland, Michigan 49423-5392 USA.

## THE BOATER'S DICTIONARY

<b>Aft:</b> At, near or toward the stern.	<b>Marine Gear:</b> The transmission.
<b>Anchor Rode:</b> Anchor rope.	<b>Moored:</b> To keep a boat in place by means of a rope or anchor.
<b>Athwartship:</b> From side to side of a boat.	<b>Porthole:</b> An opening in the side of the boat to let in air and light.
<b>Bedding:</b> Caulking compound or application of caulking compound.	<b>Portside:</b> The left side of a boat when facing the bow.
<b>Bilge:</b> Inside bottom of the boat's hull.	<b>Prop:</b> Propeller.
<b>Bow:</b> The front of the boat.	<b>Rubrail:</b> A protective guard on the gunwale of a boat.
<b>Bow Rail:</b> A protective guard around the bow of the boat.	<b>Rudder:</b> A hinged flat piece at the rear end of the boat that directs the boat.
<b>Bulkhead:</b> Vertical partitions dividing the hull.	<b>Scupper:</b> An opening in the hull of a boat to let water run off the cockpit floor.
<b>Castoff:</b> To let loose, set free.	<b>Seacock:</b> A valve on any underwater thru-hull.
<b>Chine:</b> The outer edge of the boat where the bottom meets the side.	<b>Starboard:</b> The right side of a boat when facing forward.
<b>Cleat:</b> Hardware to wrap the mooring line around.	<b>Shaft Log:</b> A tube through which the prop shaft passes through the bottom of the boat.
<b>Companionway:</b> Doorway.	<b>Slings:</b> Straps by which the boat is lifted.
<b>Cradle:</b> A frame to support the boat while the boat is out of the water.	<b>Stern:</b> The hind part of a boat.
<b>Deck:</b> The portion of the boat from the gunwales up.	<b>Strake:</b> A rib on the bottom side of the hull running fore and aft.
<b>Fender:</b> A cushion or pad to prevent damage to the side of the boat.	<b>Stringer:</b> A support member inside the hull.
<b>Forward:</b> Toward the front.	<b>Strut:</b> The metal casting bolted to the bottom of the hull to support the cutlass bearing for the propeller shaft.
<b>Galley:</b> The kitchen.	<b>Stuffing Box:</b> A chamber through which the propeller shaft passes.
<b>Gunwales:</b> An upper edge of the hull side.	<b>Taffrails:</b> The rails around the stern of the boat.
<b>Hatch:</b> A cover for an opening.	<b>Thru-Hulls:</b> A fitting through the hull of the boat.
<b>Head:</b> Toilet.	<b>Thru-Hull Strainer:</b> A filter attached to the thru-hull fitting.
<b>Helm:</b> The wheel by which a boat is steered.	<b>Transom:</b> The vertical portion of the hull at the back of the boat.
<b>Limber Hole:</b> Holes through the bulkhead or stringer to allow water to pass to the pump.	<b>Underwater Gear:</b> Any component that is fastened to the outside of the hull under water.
<b>Lay-Up:</b> To put in storage.	

## THE OPERATING CONTROLS

### The Main Gauge Panel. See figure 1.

The panel is in the main console. Because different types of engines are used to power the 2350 Outboard, the following gauges may or may not be installed in the panel:

**The Speedometer.** The speedometer indicates the speed of the boat in miles per hour.

**The Tachometer.** The tachometer measures the rpm of the engine.

**The Oil Pressure Gauge.** The gauge monitors the oil pressure of the engine.

**The Engine Temperature Gauge.** The gauge indicates the operating temperature of the engine.

**The Fuel Gauge.** The gauge indicates the amount of fuel in the fuel tank.

**The Engine Alarm.** The alarm monitors the engine for low oil pressure and high temperature. If the engine alarm system activates during the operation of the boat, stop the engine. Investigate the cause. Make sure the problem is corrected before you start the engine.

**The Hour Meter.** The meter keeps a record of the operating time for the engine.

**The Volt Gauge.** The gauge shows the voltage for the battery. The normal voltage is between 11 and 14.5 volts.



Figure 1

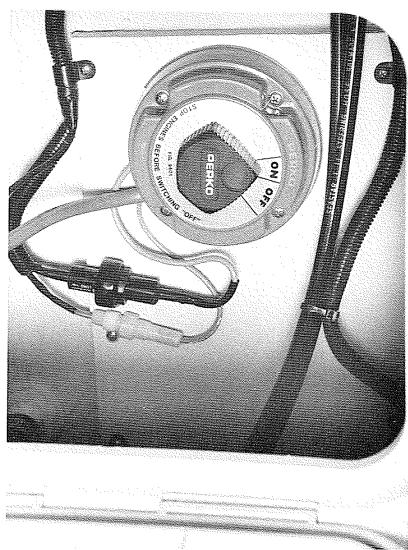


Figure 2

### The Battery Main Switch. See figure 2.

The battery main switch is in the battery compartment on the aft port side of the boat. The switch controls the 12-volt electrical system of the boat. To activate the system, the "Battery Main" switch must be in the "On" position.

**CAUTION:** To prevent damage to the alternator, do not turn the battery main switch off while the engine(s) is running.

**The Accessory Switch Panel.** See figure 3.  
The accessory switch panel is to the right of the gauge panel. The following switches are found on the accessory panel:

**NOTE: The fuse that protects the switch is to the right of the switch.**

**The Switch For The Windshield Wipers** (1). To activate the wipers, put the switch in the "On" position. The windshield wipers are offered as an option. The switch is protected by a 15 amp fuse.

**The Switch For The Washdown Pump** (2). The washdown pump is in the bilge on the port side. The pump is a pressure demand type pump. To operate the washdown pump option, put the switch for the pump in the "On" position. The switch is protected by a 15 amp fuse.

**The Switch For The Panel Lights** (3). To illuminate the lights, put the switch in the "On" position. The switch is protected by a 5 amp fuse.

**The "Nav-Anchor" Light Switch** (4). The switch is a three-position switch. Push the switch to the left to turn on the navigation lights. Push the switch to the right to turn on the anchor lights. The center position of the switch is the "Off" position. The switch is protected by a 5 amp fuse.

**The Switch For The Cockpit Lights** (5). To illuminate the lights, put the switch in the "On" position. The switch is protected by a 5 amp fuse.  
**NOTE: The bilge pump will start automatically when there is water in the bilge area.**

**The Switch For The Bilge Pump** (6). The bilge pump is installed in the center of the bilge. The pump moves water out through the thru-hull fittings in the transom. To start the pump manually, put the switch in the "On" position. The switch is protected by a 5 amp fuse.

**CAUTION: To prevent damage to the pump, do not operate the pump when there is no water in the bilge area.**

**NOTE: The accessory switches are protected by 10 amp fuses.**

**The Horn Button.** See figure 4.

The horn button is to the left of the ignition switch. Press the button to activate the horn.

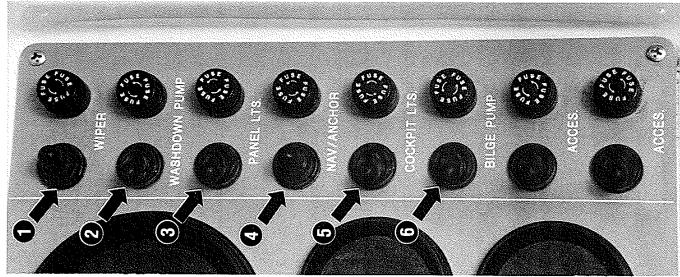


Figure 3

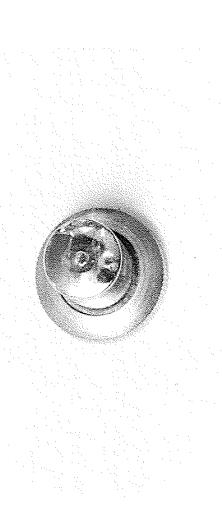


Figure 4

**The Ignition Switch.** See figure 5.

The ignition switch is below the gauge panel. The switch controls the starting and stopping of the engine.

**NOTE:** The ignition switch shown may not be the switch installed in your boat.

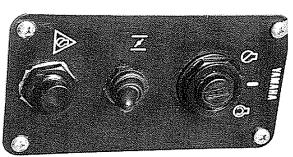


Figure 5

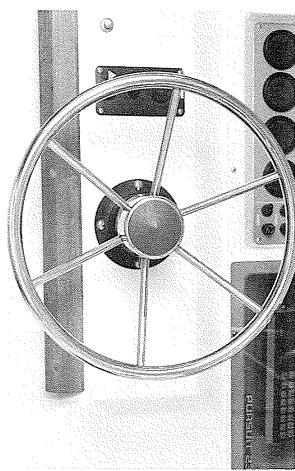


Figure 6

**The Helm.** See figure 6.

The helm is below the gauge panel starboard of the ignition switch. The helm controls the direction of the boat.

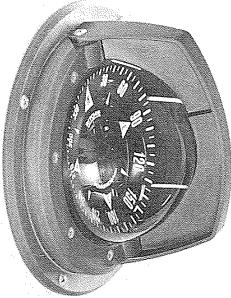


Figure 7

**The Compass.** See figure 7.

The compass is on top of the console. To adjust the compass for your area, read the instructions on "Compass Compensation" given to you in the literature packet.

## MAXIMUM CAPACITIES

**8 PERSONS OR 1200 LBS.**

2200 POUNDS, PERSONS, MOTOR, GEAR  
280 HORSEPOWER MOTOR

THIS BOAT COMPLIES WITH U. S. COAST GUARD SPECIFICATIONS IN EFFECT ON THE DATE OF MANUFACTURE.  
MANUFACTURER: S-2 YACHTS, INC.  
MODEL: 2350 BRACKET FORT PIERCE, FL  
DESIGN COMPLIANCE WITH NMMA REQUIREMENTS BELOW IS  
VERIFIED. MGR. RESPONSIBLE FOR PRODUCTION CONTROL

LOAD & LP CAPACITY \* INITIAL LIGHTS  
STEERING & TIE DOWN \* ELECTRIC SYSTEMS  
VENTILATION \* BASIC FLOTATION  
MANEUVERABILITY  
NATIONAL MARINE MANUFACTURERS ASSN.

Figure 8

## The Capacity Specification Plate. See figure 8.

The plate is on the forward starboard side of the cockpit. The maximum safe capacity load for the 2350 Outboard Bracket is 8 persons, or 1200 pounds. The maximum total combined safe capacity weight of persons, motor and gear is 2200 pounds.

**WARNING:** To prevent loss of control or capsizing of the boat,  
make sure you do not exceed the maximum safe capacity load  
set for your boat.



Figure 9

## The Fire Extinguisher. See figure 9.

The fire extinguisher is installed inside the cabin in the starboard locker.

**The Washdown Pump Connection.** See figure 10.

The pump is in the starboard aft corner of the bilge. The pump is a pressure demand type pump. The washdown pump connection is on the aft starboard side of the cockpit.



Figure 10

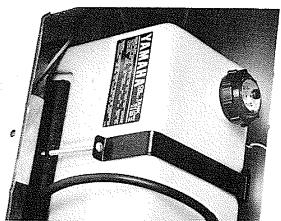


Figure 11

**The Oil Tank.** See figure 11.

The engine that powers the boat is a two stroke engine that needs a lubricant and gasoline mixture.

The oil tank that holds the lubricant is in the aft port side of the transom area. The lubricant is automatically measured into the fuel line. The oil fill cap is in the cockpit on the aft port side. See figure 11. For the recommended lubricant, read the manual for the engine.

**NOTE:** If the boat has the twin engine option, there will be two oil tanks and two oil fill caps.

## HOW TO PREPARE YOUR BOAT FOR OPERATION

The fuel system of your boat is designed to use regular or unleaded gasoline.

### How To Fill The Fuel Tank

**WARNING:** Fuel is very flammable. Be careful when filling the fuel tank. NO SMOKING. Never fill the tank while the engines, motors, and fans are running. Fill the fuel tank in an open area.

To fill the fuel tank at a marina, follow this procedure:

1. Make sure all switches are in the "Off" position.
2. Make sure the boat is securely moored.
3. Make sure all passengers leave the boat.
4. Estimate how much fuel is needed.

**NOTE:** When the fuel tank is full, fuel will come out through the fuel vent. The fuel vent is on the port side of the boat. See figure 12.

Figure 13

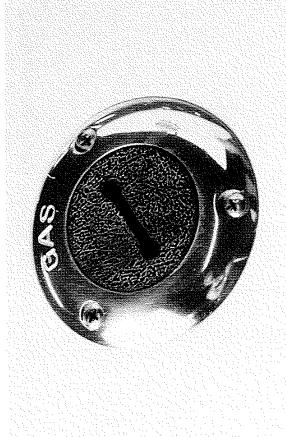


Figure 13

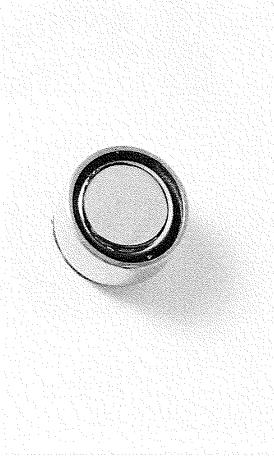


Figure 12

5. A special key to unlock the fuel cap is given to you. Insert the key in the slot in the fuel cap. The fuel cap is in the covering board on the port side of the boat. See figure 13.

6. Turn the key counterclockwise to unlock the cap.
  7. Remove the cap.
  8. Put the nozzle in the fuel opening.
- WARNING:** To prevent static sparks when filling the tank, make sure the nozzle is in contact with the fuel opening.
- WARNING:** Make sure you do not spill any fuel. If fuel is spilled, use a cloth to remove the fuel.
9. Fill the fuel tank.
  10. Remove the nozzle.
  11. Install the fuel cap.
- WARNING:** Make sure the fuel compartment lid is open for five minutes before the engine(s) or electrical equipment are started.
- WARNING:** To reduce the risk of a fire and/or explosion, do not start the engine(s) when fuel fumes are present. Fuel fumes are dangerous and harmful to your health.
- WARNING:** Make sure all gasoline odors are investigated immediately.
12. Check the fuel compartment and below the deck for fuel or smell fuel, do not start the engine.

#### **How To Open And Close The Windshield Vents**

There are two windshield vents. There is a knob on the port and starboard side of each vent. To open the windshield vent, follow this procedure:

1. Turn each knob counterclockwise. See figure 14.



Figure 14

2. Push the knobs forward.
3. Turn the knobs clockwise to lock the vent in the open position.
4. To close the vent, turn each knob counterclockwise.
5. Pull the knobs back until the vent is closed.
6. Turn each knob clockwise to lock the vent in the closed position.

#### **To Transport The Boat On A Trailer**

1. Make sure the trailer is a match for your boat's weight and hull design.

**NOTE:** Contact your dealer to evaluate your towing vehicle and hitch, and to make sure you have the correct trailer for your boat.

2. The Gross Vehicle Weight Rating must be shown on the trailer. Make sure the weight of the boat, engine, gear and trailer is not more than the Gross Vehicle Weight rating.
3. Make sure the boat is securely fastened on the trailer to prevent movement between the boat and trailer.

**NOTE:** Your dealer will give instructions on how to load, fasten and launch your boat.

**WARNING:** Make sure your towing vehicle and trailer are in compliance with all state and local laws. Contact your state vehicle bureau for laws governing the towing of trailers.

#### **Do These Procedures Before Each Use Of The Boat**

1. Check the fuel supply. If fuel is needed, read "How To Fill The Fuel Tank".

**WARNING:** Do not operate the boat when fuel fumes are present. Fuel fumes are dangerous and harmful to your health.

2. Check the fuel compartment for fuel leaks and fumes. Make sure all fuel lines and fittings are tight. See figure 15.

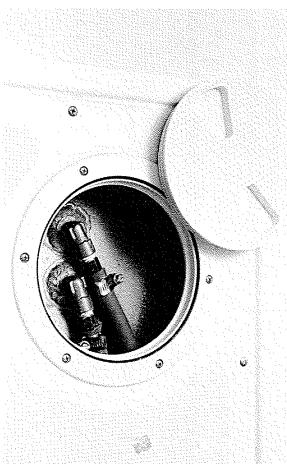


Figure 15

3. Put the battery/main switch in the "On" position. See figure 16.

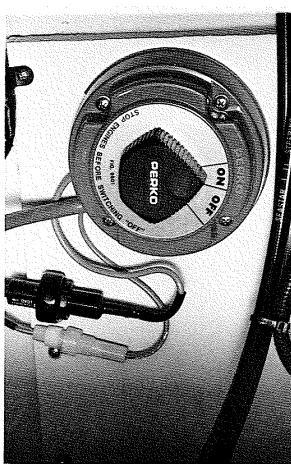


Figure 16

4. Check the engine oil level.

**CAUTION:** To prevent damage to the engine, do not operate the boat when the oil level mark is below the "Add" mark.

To check the oil level, remove the dipstick from the engine. If the oil level mark is on or below the "Add" mark, add oil. To add oil, remove the oil filler cap. Make sure the oil does not pass the "Full" mark on the dipstick. Read the engine manual for the correct type of oil.

**WARNING:** Make sure the bilge pump is in good operating condition. Do not use the boat if the pump is malfunctioning. Replace the pump immediately.

**WARNING:** Large debris will clog the bilge pump and hoses and cause switch malfunctioning.

5. Inspect the bilge area. Remove all debris from the bilge area.

6. Test all switches on the accessory panel. See figure 17. Make sure the switches activate the equipment they control, and all equipment is in good operating condition.

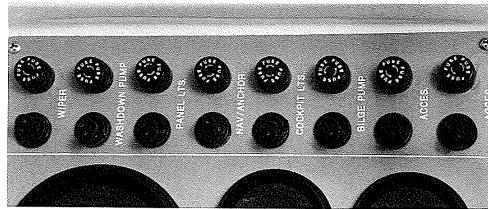


Figure 17

7. Push the outdrive in the full-in position.

## HOW TO OPERATE THE BOAT

### Recommended Safety Check Procedure

The following is a recommended safety check procedure for getting underway.

1. Make sure you have signal kits and flare guns aboard, and they are in good operating condition.
2. Make sure you have a complete First Aid Kit aboard.
3. Have a tool kit aboard. The kit should include the following basic tools:

Spark plug wrench	Hammer
Screwdriver	Electrician's tape
Pliers	Lubricating oil
Adjustable Wrench	Jackknife
Pipe Wrench	Vise grip

**⚠ WARNING:** There must be at least one personal flotation device on-board for every person on-board and one throw-out flotation device. Check the U.S. Coast Guard standards for the correct type of device for your boat.

**⚠ WARNING:** Protecting persons on the boat is the owner's responsibility. Stop the engine before using the swim platform, or taking skiers aboard.

4. Make sure life preservers and life rings are on-board and in good condition.
5. Have the following spare parts on-board:

Extra light bulbs  
Fuses  
Drain plug  
Propeller  
Propeller nut and washer

Spark plugs  
Flashlight and batteries  
Engine oil  
Fuel filters  
Fuel hose and clamps

**⚠ WARNING:** Vaporizing liquid extinguishers give off toxic fumes; use only Coast Guard approved fire extinguishers.

6. Make sure all fire extinguishers are in position and in good operating condition.

**⚠ CAUTION:** To prevent damage to the anchor lines, mooring and towing lines, do not stow wet cordage in the rope locker or below decks.

7. Make sure all lines, cables, anchors, etc. for securing a boat are on-board and in good condition. Make sure all lines are coiled, secured and off the decks when underway.

8. When you operate a boat, you accept the responsibility for the boat, for the safety of passengers and for others out enjoying the water.

Remember:

1. Alcohol severely reduces the ability to react to several different signals at once.
2. Alcohol makes it difficult to correctly judge speed and distance, or track moving objects.
3. Alcohol reduces night vision, and the ability to distinguish red from green.

**Do not operate the boat while under the influence of alcohol.**

### TO OPERATE THE BOAT

**⚠ WARNING:** To reduce the risk of a fire or explosion, do not start the engines when fuel fumes are present. Fuel fumes are dangerous and harmful to your health.

**⚠ WARNING:** Make sure all inspection plates to the fuel tank are open for five minutes before the engines or electrical equipment are started.

**⚠ WARNING:** Make sure one other person on the boat is instructed in the operation of the boat.

**⚠ WARNING:** Make sure the boat is operated in compliance with all state and local laws governing the use of a boat.

Before operating the boat for the first time, read the engine break-in procedures. The break-in procedures are found in the owner's manual for the engine. The manual is in the literature packet.

**NOTE:** For more instructions on safety, equipment and boat handling, enroll in one of the several free boating courses offered. For information on the courses offered in your area, call the "Boating Course Hotline", 1-800-336-2628.

### To Start The Boat

As different types of engines are used to power the boat, have the dealer describe the operating procedures for your boat. For more instructions on "How To Operate The Boat", make sure you read the instructions given to you in the owner's manual for the engine you have selected.

**⚠ WARNING:** Do not operate the boat if the drive unit is damaged.

**NOTE:** If the drive unit hits an underwater object, stop the engine. Inspect the drive unit for damage. If the unit is damaged, contact your dealer for a complete inspection and repair of the unit.

### To Stop The Boat

To stop the boat, follow this procedure:

1. Allow the engine to drop to the idle speed.
  2. Make sure the shifting lever is in the neutral position.
- NOTE:** If the engines have been run at high speed for a long period of time, allow the engines to cool down by running the engines in the idle position for 3 to 5 minutes.
3. Turn the ignition key to the "Off" position.
  4. If you are going to leave the boat for a long period of time, put the battery main switch in the "Off" position.
  5. Make sure the boat is securely moored.

**⚠ CAUTION:** To prevent damage to the boat, close all seacock before leaving the boat. See figure 18. Make sure the "Auto Bilge" switch is in the "On" position.

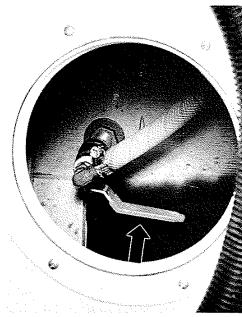


Figure 18

## MAINTENANCE

**WARNING:** Do not operate the boat unless it is completely assembled. Keep all fasteners tight. Keep adjustments according to specifications.

### The Electrical System

Check the electrical system before each use. Make sure all switches activate the equipment they control, and all equipment is in good operating condition. The boat has a 12-volt electrical system. A 12-volt DC battery supplies power to all electrical equipment on the boat. The battery is a lead-acid type battery.

**WARNING:** Lead acid batteries generate gases which can cause an explosion. NO SMOKING. Always wear eye protection and protective clothing when working near batteries. Remove all jewelry. Do not put tools or other metal objects across the battery terminals or the tops of the batteries.

**WARNING:** Before doing any maintenance, make sure all switches are in the "Off" position.

These maintenance procedures must be done to the batteries twice every season:

1. Clean the battery. To clean the battery, follow this procedure:
  1. Disconnect the battery.
  2. Use a cloth and a solution of bicarbonate of soda to wipe the tops of the battery.
  3. Clean the battery terminals.
  4. Reconnect the battery.
2. Check the battery and add distilled water as needed. The correct level is within 1/4 inch of the bottom of the tube in each cell.

The battery is self-charging when the engine is running. If the system is used for a long period of time without the engine running, the battery may need to be charged.

**WARNING:** To prevent an explosion, charge the battery only in an area with good ventilation.

**WARNING:** Lead acid batteries generate gases which can cause an explosion. To prevent an explosion, turn the timer knob on the charger to the "Off" position before connecting and disconnecting the charger output connector. Keep sparks and flames away from the batteries. NO SMOKING.

**CAUTION:** The negative poles are grounded on the batteries. Reverse polarity will cause damage to the alternator. When using a jumper cable or external charging, always connect the red (+) cable to the positive terminal and the black (-) cable to the negative terminal of the battery.

To charge the battery, read the owner's manual for the charger for instructions on how to use the charger and charge the battery.

### The Engine

Because different types of engines are used to power the 2350, read the owner's manual for the engine for more information on the engine installed in your boat.

**WARNING:** Before doing any maintenance, make sure all switches are in the "Off" position.

**WARNING:** Fuel is very flammable. NO SMOKING.

**CAUTION:** Check all fittings for leaks. Check all linkage in the steering and rudder system for corrosion, looseness, and wear. Make sure all connections are tight. Have all worn parts replaced.

Check the fluids in the engine before each use of the boat.

### The Engine Lube Oil

**CAUTION:** To prevent damage to the engine, do not operate the boat when the oil level mark is below the "Add" mark. Remove the dipstick from the engine and check the oil level. If the oil level mark is on or below the "Add" mark, add oil. To add oil, remove the oil filler cap. Make sure the oil does not pass the "Full" mark on the dipstick. Read the manual for the engine for the correct type of oil.

To change the oil and oil filter, read the instructions given to you in the owner's manual for the engine.

#### **How To Clean And Set The Spark Plugs**

Clean and set the spark plugs after the first 10 hours of use and then after every 100 hours of use or every six months, whichever comes first.

**CAUTION: Use only a wire brush and commercial solvent to clean the spark plugs.**

To clean and set the spark plugs, follow this procedure:

1. Use a socket wrench to remove the spark plugs from the engine.
2. Use a wire brush and clean the electrodes, insulator, and threads.
3. Wash the spark plugs in a commercial solvent.
4. Use a spark plug gauge and adjust the spark plug gap to .035.
5. Use a socket wrench and install the spark plugs.

**NOTE: Replacement spark plugs must be of the same heat range. Change the spark plugs after each 100 hours of use and before each season.**

#### **How To Fill The Baitwell With Water**

To fill the baitwell, follow this procedure:

1. Make sure the valve is in the "On" position. The "On" position is when the valve is in line with the tube. See figure 19.

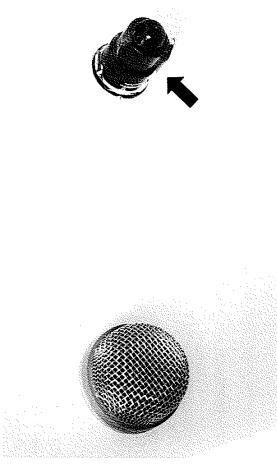


Figure 19

2. Put the switch on the accessory panel in the "On" position.

**NOTE: When the water reaches the level above the filter, the extra water will drain from the tank. New water will enter and move through the baitwell.**

To remove the water from the baitwell, follow this procedure:

1. Put the switch on the accessory panel in the "Off" position.
2. Put the "Live Well" switch in the "On" position.

**NOTE: Check and clean the filters after each use of the baitwell.**

#### **The Cooling System**

If the boat is used in saltwater, flush the cooling system after each daily use. To flush the system when the boat is out of the water, follow this procedure:

1. Install a flush-test device over the water inlet holes on the gear housing.
2. NOTE: Get the flush-test device from your dealer.
3. Connect one end of a garden hose to the flush-test device.
4. Connect the other end of the garden hose to the water supply outlet.

**CAUTION: To prevent damage to the engine, do not use full city water pressure.**

5. Turn the faucet for the water supply to the half-way open position.

6. Start the engine.
7. Put the control handle in the "Idle" position.
8. Let the engine run for 10 minutes or until the discharge water is clean.
9. Stop the engine.
10. Turn off the water supply.
11. Remove the garden hose from the flush-test device and the water supply outlet.
12. Remove the flush-test device.

To flush the system when the boat is in the water, follow this procedure:

1. Make sure the outdrive is in the "Full Up" position.
2. Install the flush-test device over the water inlet holes in the gear housing.
3. Connect one end of a garden hose to the flush-test device.
4. Connect the other end of the garden hose to the water supply outlet.
5. Put the switch for the outdrive control in the "Down" position to lower the outdrive control all the way.

**⚠ CAUTION: To prevent damage to the engine, do not use full city water pressure.**

6. Turn the faucet for the water supply to the half-way open position.
7. Put the control handle in the "Neutral" position.
8. Start the engine.

9. Put the control handle in the "Idle" position.
10. Let the engine run for 10 minutes or until the discharge water is clean.

11. Stop the engine.

12. Turn off the water supply.

13. Put the switch for the outdrive control in the "Up" position to raise the control.

14. Disconnect the garden hose from the flush-test device and the water outlet.
15. Remove the flush-test device.

### The Ventilation System

Visually inspect the ventilation system after each use of the boat.

1. Make sure the exhaust hoses are in position in the lowest part of the bilge.
2. Make sure the ducts are clean and free of obstruction.

### The Bilge Pump

**NOTE: An inline fuse protects the automatic bilge pump. The fuse is on the aft side of the battery switch. See figure 20.**

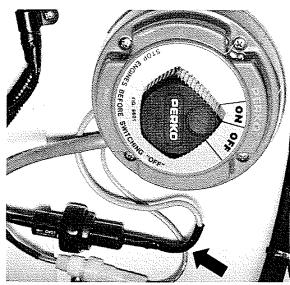


Figure 20

**CORRECTION: The fuse next to the battery switch protects the DC accessory panel. The fuse on the far right protects the bilge pump.**

**IMPORTANT: Check the fuse frequently to make sure the fuse is good. If the fuse is not good, replace the fuse.**

The pumps require no lubrication. Inspect the bilge area. Make sure all connections to the pumps and thru-hull fittings are tight. Inspect the hoses. If the hoses are damaged or worn, have the hoses replaced. Make sure the float moves without restriction. Visually inspect the wiring for loose connections and damaged wires. For electrical repairs, contact a qualified electrician.

#### How To Maintain The Exterior Surface Of The Boat

**CAUTION:** Do not use abrasive cleaners on fiberglass. Abrasive cleaners dull the surface and will allow dirt to penetrate into the finish.

After each use of the boat, follow this procedure:

1. Rinse the boat with clean water.
2. Use a clean sponge and a mixture of detergent and water to wash the fiberglass surfaces.
3. Use a stiff fiber brush to wash the non-skid surfaces.
4. Rinse the boat with clean water.

At least once a year, apply wax and polish the smooth gelcoat surfaces. Use a good automotive wax or a boat wax. Before applying the wax, read the directions given with the wax.

After the boat is exposed to the direct sunlight for a period of time, the color in the gelcoat tends to fade, dull or chalk. A heavier buffing is required to bring the gelcoat back to its original luster. For power cleaning use a light cleaner such as Mirror Glaze #1. To clean the boat by hand, use a heavier automotive cleaner. Before cleaning the surfaces, read the instructions given with the cleaner. After cleaning the surfaces, apply wax and polish all fiberglass surfaces except the non-skid areas.

A pamphlet called "Congratulations Welcome To The Fiberglass Fleet" is included in the literature packet. For more information on the care of fiberglass, read the pamphlet.

If the fiberglass should become damaged and need repair, contact your dealer for an authorized repair person to make the repairs.

The windows and hatches are made of plexiglass.

**CAUTION:** Do not use chemical solvents on plexiglass. Solvents scratch the plexiglass and damage the window sealant and hatch gaskets.

Use a mild soap and water, or a plexiglass cleaner to clean the windows and hatches.

#### How To Maintain The Interior Of The Boat

To keep the interior of the boat clean and dry, follow this procedure:

1. Clean below the decks just like you would a home interior. Use a vacuum cleaner to pick up dirt in the cabin.
2. Air and sunlight are very good cleaners. Put cushions, blankets, sleeping bags, etc., up on deck in the sunshine to air and dry out.
3. If cushions or other equipment get wet with salt water, use clean fresh water to rinse off the salt crystals. Salt crystals retain moisture and will cause damage. Dry the equipment thoroughly.
4. If you leave the boat for a long period of time, put all cushions on their sides and open all lockers.

**CAUTION:** Do not use chemical solvents on plexiglass. Solvents scratch the plexiglass and damage the window sealant and hatch gaskets.

5. Use a mild soap and water, or a plexiglass cleaner to clean the windows.
- NOTE:** A cleaning kit to help maintain the exterior and interior of your boat, see figure 21, can be obtained from S2 Yachts.



Figure 21

The kit contains a Vinyl Shampoo, Marine Polish, Hull Cleaner, Boat Wash, Vinyl Conditioner, Sponge and a white S2 Bucket.  
Call 1-800-843-3172 to order the Starbrite \* Kit, part no. CK9880.

\*Starbrite is a registered trademark of Star Brite, inc.

#### **Below The Water Line Of The Boat**

When the boat is removed from the water, clean the outer bottom surface. Algae, grass, or dirt is easier to remove when alive or wet. Use a hard bristle brush to clean the surface.

**⚠ CAUTION: To prevent damage to the fiberglass, do not sand the outer bottom surface of the boat.**

If the outer bottom surface has been painted with anti-fouling paint, contact your dealer for recommended maintenance procedures.

#### **Service Inspection**

Contact the nearest S2 authorized dealer once a year for a maintenance inspection of the boat and to make any repairs. Use only genuine boat parts for repair.

When contacting your dealer or S2 Yachts, Inc. for parts or repair, make sure you give the hull number of the boat. The hull number is in the upper starboard side of the transom.

## HOW TO PREPARE THE BOAT FOR LAY-UP

### The Bilge Area

Remove all water from the bilge area. To remove the water, follow this procedure:

**WARNING:** Make sure the boat is out of the water before removing the hull drain plug.

1. Remove the hull drain plug. The plug is in the outside of the transom below the gimbal. See figure 22.

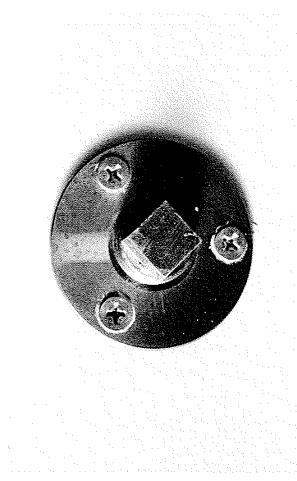


Figure 22

2. Pump out all the water that does not drain from the compartment.
3. Use a sponge and wipe the bilge area until all water is gone.

### The Engine

To prepare the engine and exhaust system for lay-up, read the owner's manual for the engine for the recommended preparation procedures.

### The Battery

To prepare the battery for storage, follow this procedure:

1. Make sure the battery is fully charged.
- WARNING:** To prevent an explosion, charge the battery only in an area with good ventilation.
2. Put the battery main switch in the "Off" position. See figure 23.



Figure 23

**WARNING:** Lead acid batteries generate gases which can cause an explosion. NO SMOKING. Always wear eye protection and protective clothing when working near batteries. Remove all jewelry. Do not put tools or other metal objects across the battery terminals or the tops of the batteries.

3. Disconnect the battery.
4. Clean the battery.
5. Add distilled water as needed.
6. Apply a coat of petroleum jelly to the battery cable terminals.
7. Put the battery in a dry building with good ventilation. Make sure the battery is protected from freezing temperatures.

### **The Hardware**

Clean the chrome hardware. Apply a heavy coat of boat wax or a light coat of petroleum jelly on all of the hardware.

### **How To Support The Boat During Storage**

Your trailer is the best support for your boat during storage. Before you store the boat on the trailer for a long period of time, follow this procedure:

1. Make sure the rollers and pads support the hull of the boat.
2. Make sure the trailer hitch is level and there is support under the hitch.
3. Make sure the outdrive is in the down position.
4. Check the tires once each season. Add enough air for the correct amount of inflation for the tires.

**NOTE: Read the owner's manual for the trailer for the correct amount of inflation for the tires.**

### **Storage**

Proper storage is very important to prevent serious damage to the boat. If the boat is to be stored indoors, make sure the building has enough ventilation. It is very important that there is enough ventilation both inside the boat and around the boat.

**NOTE: If the boat is to be stored indoors or outdoors, open all drawers, clothes lockers, cabinets, and doors a little. If possible, remove the upholstering, mattresses, clothing, and rugs.**

If the boat is to be stored outdoors and a cover is to be used, build a frame over the boat to support the canvas or plastic cover. Make sure the frame is a few inches wider than the boat so that the canvas will clear the rails. Make sure the cover is fastened securely. A loose flapping cover will damage the gelcoat surface.

## TO COMMISSION THE BOAT

**WARNING:** Do not operate the boat unless it is completely assembled. Keep all fasteners tight. Keep adjustments according to specifications.

To prepare the boat for commission, follow this procedure:

**NOTE:** It is important and recommended the fitting out procedure for the marine gear be done by a qualified service person. Read the engine owner's manual for the recommended procedure.

1. If the boat was stored outdoors and a cover was used, remove the cover and put it in the sun to dry. After the cover has completely dried, fold it and put it away for future use.
2. Install the battery. Make sure the battery is clean and in good condition. Add distilled water to the battery, if needed. Before activating the 12-volt system, make sure the battery is fully charged.
3. Install the drain plug. See figure 24.

**WARNING:** Before launching the boat, make sure the hull drain plug is installed.

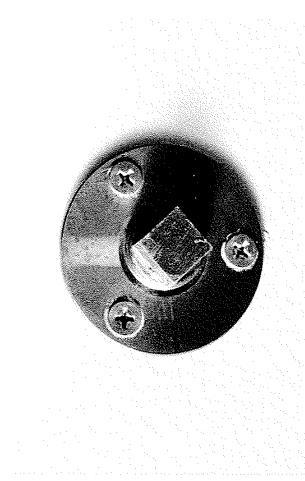


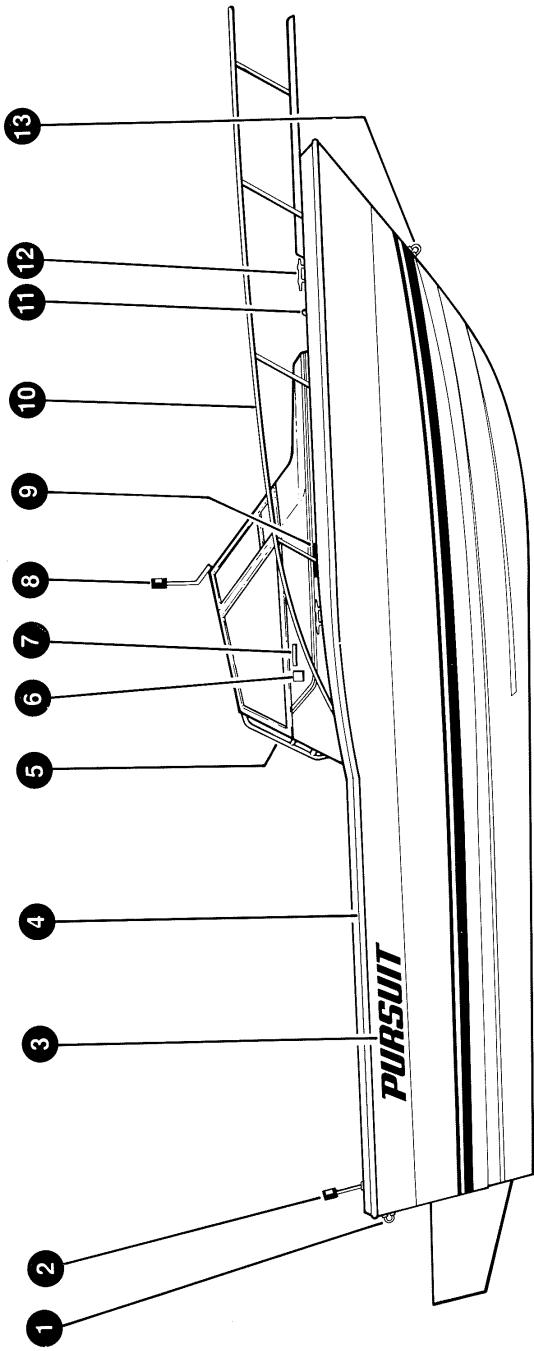
Figure 24

4. Clean the bilge area. Remove all debris from the bilge area.

## **MODEL 2350 OUTBOARD BRACKET SPECIFICATIONS**

L.O.A. w/Pulpit	25'6"
L.O.A. w/o Pulpit	23'0"
Beam	8'6"
Hull Draft	1'3"
Average Dry Weight	3400 lbs.
Maximum Horsepower	280
Standard Fuel Capacity	124 U.S. Gallons
Sleeping Capacity	2
Cockpit Length	10'1"
Height Above Waterline	5'8"

**MODEL 2350 OUTBOARD BRACKET  
REPLACEMENT PARTS — EXTERIOR PROFILE 6/90**



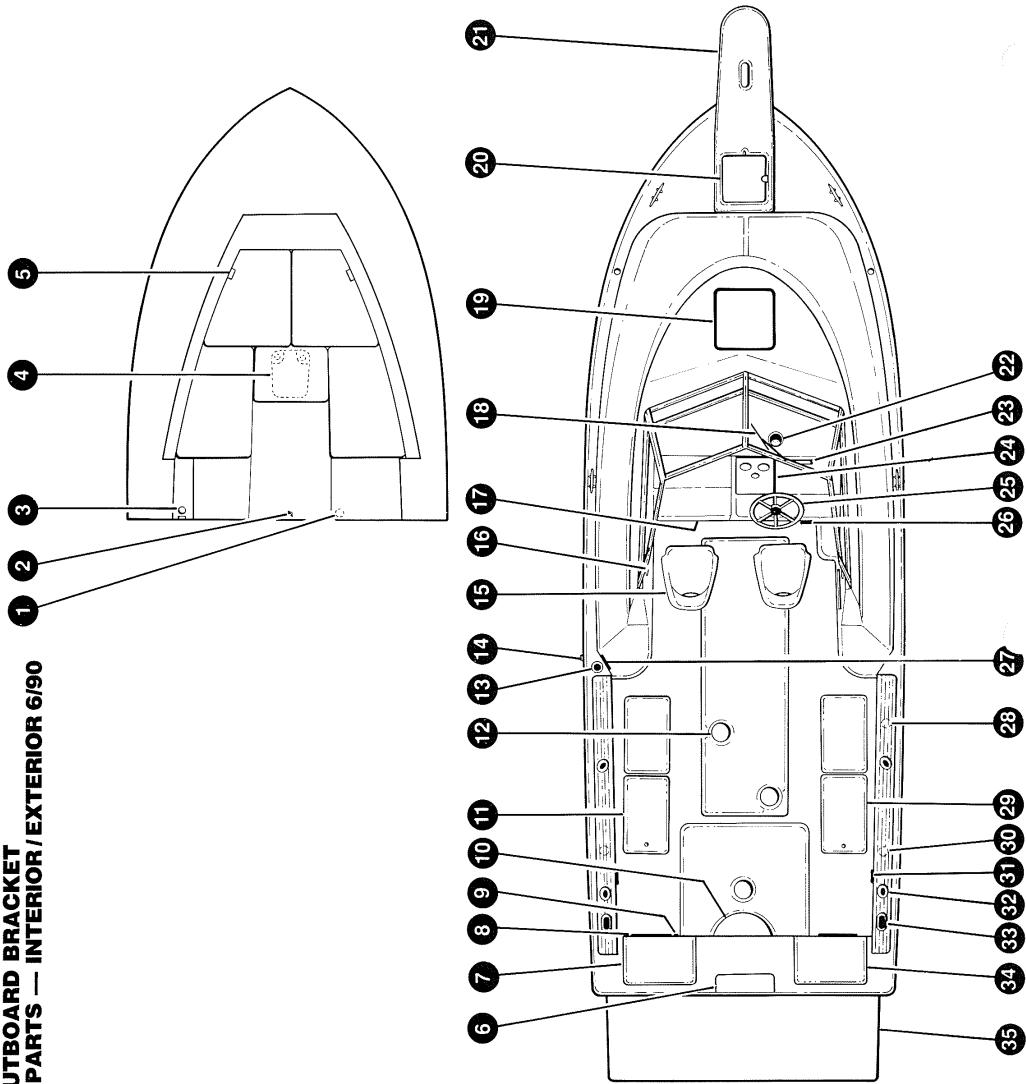
**MODEL 2350 OUTBOARD BRACKET  
REPLACEMENT PARTS — EXTERIOR PROFILE 690**

Ref. No.	Code No.	Description	No. Req'd
1	334133	Eye - Stern	2
2	327043	Light - Navigation Plug-In	1
3	543335	Logo - Pursuit	2
4	541025	Bar - Aluminum Flat	per ft.
	542044	Rubrail - Black	per ft.
5	652011	Rope - Black	per ft.
	549805	Cap - 4"	1
	755686	Handrail	

S2 reserves the right to make changes or improvements to its boats without notice.

Ref. No.	Code No.	Description	No. Req'd
6	543207	Logo - 32	2
7	543345	Logo - 2350	1
8	327073	Light - Masthead/Anchor	2
9	539120	Port Light	1
10	534584	Bow rail	
11	327001	Light - Side	2
12	534019	Cleat - 8"	6
13	334025	Eye - Bow	1

**MODEL 2350 OUTBOARD BRACKET  
REPLACEMENT PARTS — INTERIOR / EXTERIOR 6/90**



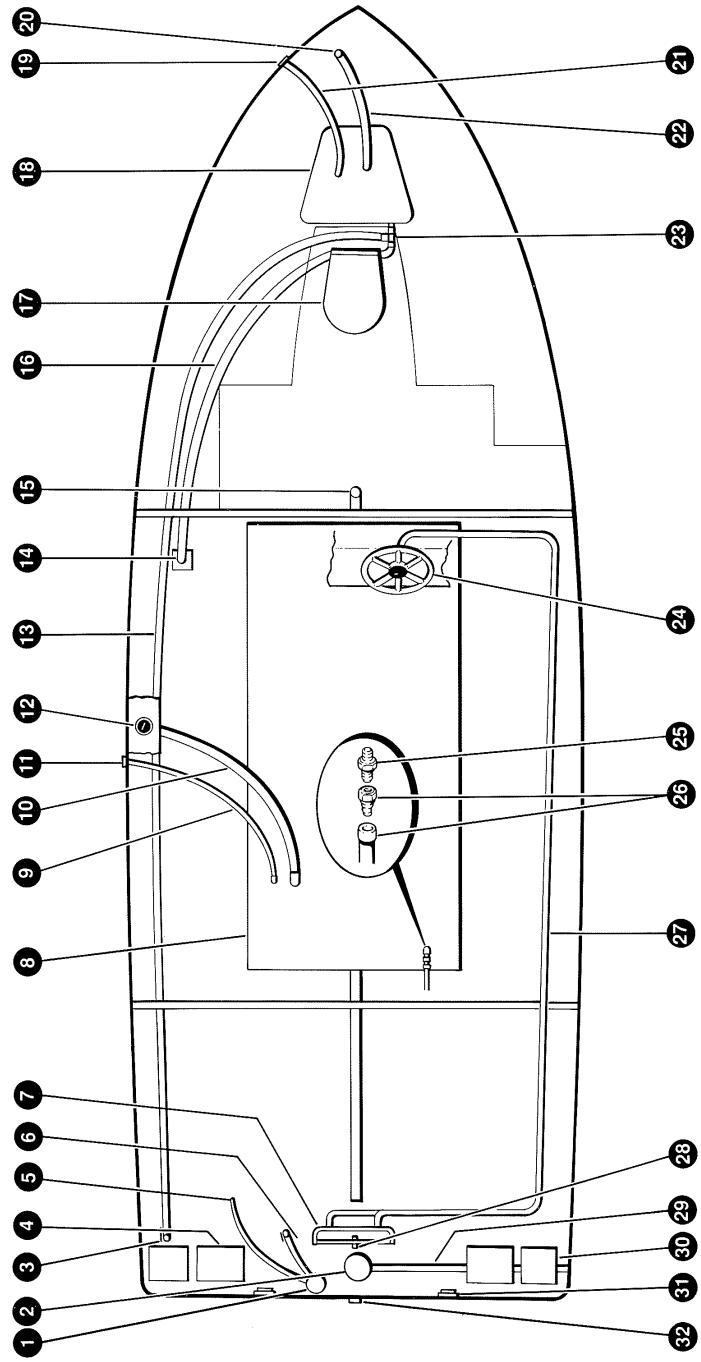
**MODEL 2350 OUTBOARD BRACKET  
REPLACEMENT PARTS — INTERIOR / EXTERIOR 6190**

Ref. No.	Code No.	Description	No. Req'd
1	335001	Fire Extinguisher	1
2	334017	Plug - Baller w/8" Chain	1
3	327033	Light - Wall Mount	1
4	536041	Porna Potti	1
5	335065	Speaker - Box	2
6	534049	Cover	1
7	755611	Lid - Ice Chest	2
	755668	Hardware - Lid	ref.
8	755411	Hatch	2
	755413	Hatch	2
	755656	Hardware - Hatch	ref.
9	534080	Inlet - Washdown	1
10	755933	Tank, Circulating Live Bait	1
11	755664	Hardware - Fish Tank	ref.
	755662	Drain - Fish Tank	ref.
12	534699	Plate - Inspection	3
13	334021	Cap - Fuel Fill	1
14	534321	Vent - Fuel	1
15	736895	Seat - Companion and Helm	2
16	338085	Speaker - 6" Round	2
17	755702	Companionway Assembly	1
18	334034	Motor - Wiper	ref.
	334035	Blade - Straight	ref.
	334036	Arm - 7½" Adjustable	ref.

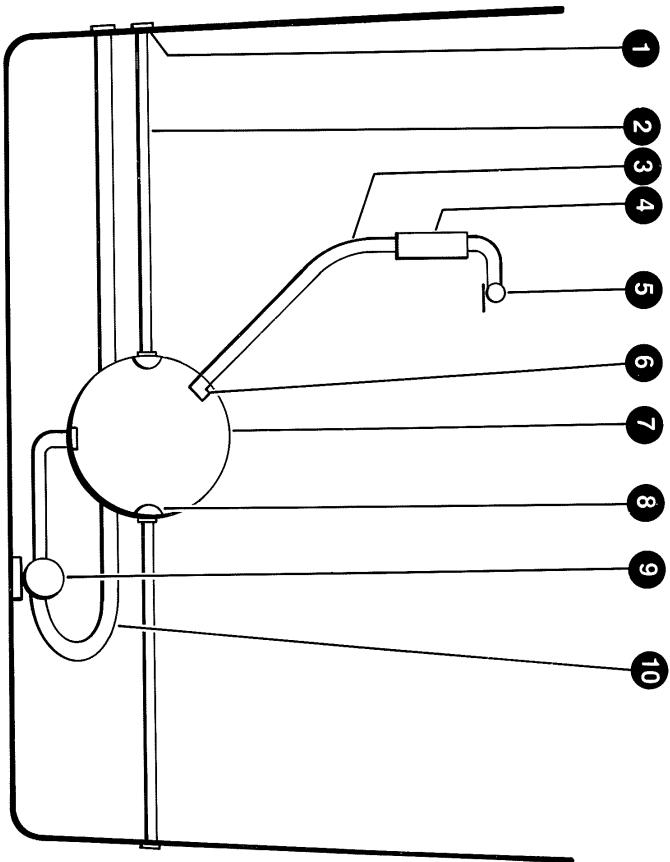
S2 reserves the right to make changes or improvements to its boats without notice.

Ref. No.	Code No.	Description	No. Req'd
19	539254	Hatch	1
	539292	Screen	1
	539292	Locker - Anchor	1
20	755644	Pulpit - Bow Option	1
21	755602	Compass	1
22	325017		
23	545588	Nameplate "Pursuit"	1
24	322297	Panel - Instrument	1
	322297	Panel - Instrument Single Engine Pre-Rigged	ref.
	322363	Panel - Instrument Twin Engine Pre-Rigged	ref.
25	325395	Wheel - Steering	1
26	335064	Stereo	1
	534081	Plate - Deck 4"	1
27	334043	Horn	1
28	755664	Hardware - Fish Tank	ref.
	755662	Drain - Fish Tank	ref.
30	336020	Light - Courtesy	2
	535513	Rack - Rod	4
31	534031	Holder - Rod	4
32	534031	Plate - Hawse	2
33	534032	Lid - Ice Chest	ref.
34	755411	Hardware - Lid	ref.
35	755658	Floating Bracket w/o Platform	ref.
	710510	Floating Bracket w/ Platform	ref.
	710512		

**MODEL 2350 OUTBOARD BRACKET  
MECHANICAL, PLUMBING, FUEL AND STEERING 6/90**



**MODEL 2350 OUTBOARD BRACKET  
LIVE BAITWELL CIRCULATING SYSTEM 690**



Ref. No.	Code No.	Description	No. Req'd
1	334015	Thru-Hull Hose - Sanitation	3
2	328141	Hose - Sanitation	ref. ref.
3	328141	Pump - Aerator	1
4	345031	Valve - Water Pickup	1
5	322120		

Ref. No.	Code No.	Description	No. Req'd
6	334150	Aerator Head w/Valve	1
7	334152	Baitwell Tank Strainer	ref. 2
8	345010	Pump - 12V Pump Out	1
9	328141	Hose - Sanitation	ref.
10			

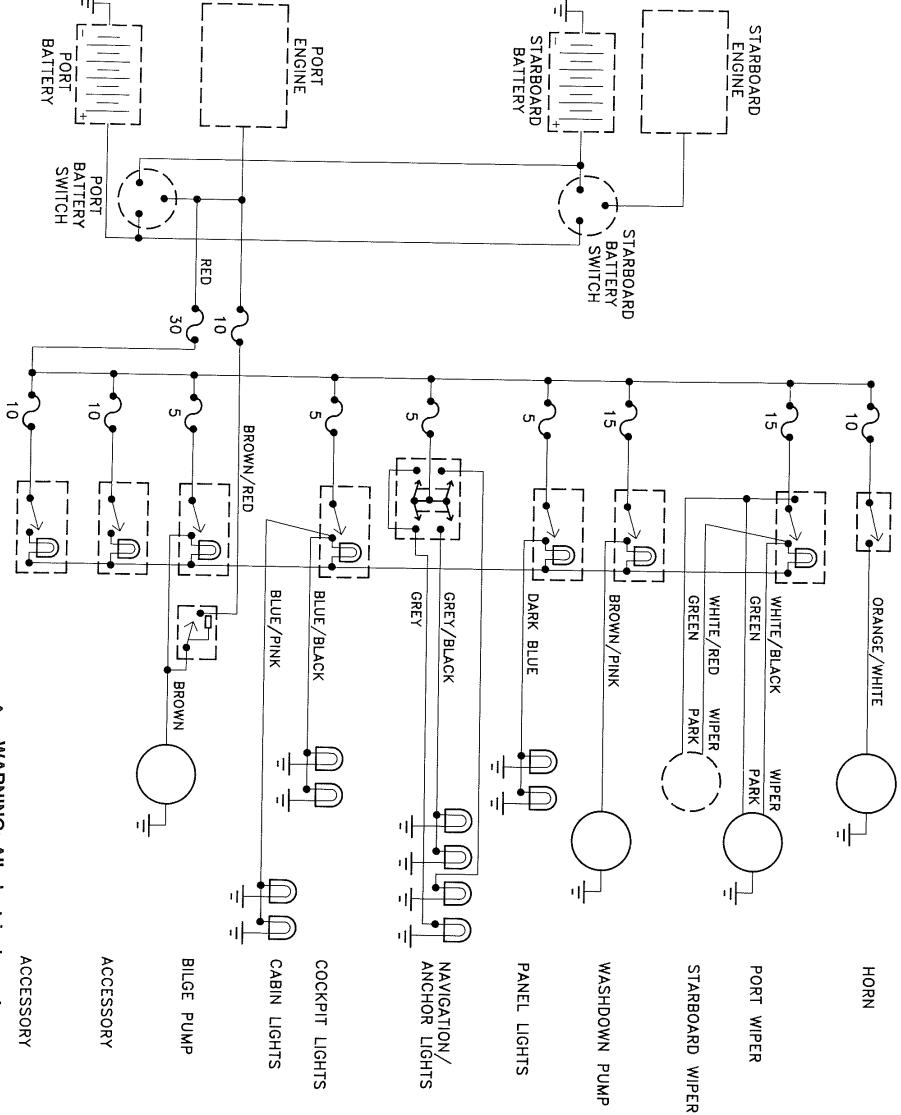
S2 reserves the right to make changes or improvements to its boats without notice.

**MODEL 2350 OUTBOARD BRACKET  
MECHANICAL, PLUMBING, FUEL AND STEERING 6/90**

Ref. No.	Code No.	Description	No. Req'd	Ref. No.	Code No.	Description	No. Req'd
1	345010	Pump - Washdown 12V	1	19	334028	Vent	1
2	345071	Pump - Bilge	1	534281	S.S.		
3	334003	Thru-Hull - Water Discharge	1	534079	Cap - Waste Removal		
4	335002	Tray - Battery Holdown	2	328094	Hose - Vent		
5	328004	Hose - Washdown	per ft.	328146	Hose - Pump-Out	per ft.	
6	322120	Valve - Water Pickup	1	23	752992	"Y" Valve Assembly	ref.
7	317127	Cylinder - Steering	1	24	315020	Wheel - Steering	1
8	319129	Tank - Fuel	1	25	326113	Fitting - 3/8 MP x 3/8 MPF	ref.
9	328143	Hose - Vent 5/8"	per ft.	26	328154	Hose to Engine	ref.
10	328012	Hose - Fuel 1-1/2"	per ft.	326111	Hose Barb	ref.	
11	334022	Vent - Fuel	1	27	317130	Hose - Steering Hydraulic	per ft.
	534321	Shield - S.S.	1	28	345070	Switch - Sliding Pump	1
	334021	Cap - Fuel Fill	1	29	328015	Hose - Bi-ge	per ft.
	328140	Hose - 1-1/2"	per ft.	30	328015	Oil Tank	ref.
14	328140	Raw Water Pickup	ref.	31	324010	Switch - Battery	1
15	322130	Pipe - Keelson Drain	per ft.	32	334130	Plug - Main Drain	1
16	328141	Hose - Water 3/4"	per ft.				
17	535037	Head	1				
18	752527	Head and Holding Tank Assembly	ref.				

S2 reserves the right to make changes or improvements to its boats without notice.

**MODEL 2350 OUTBOARD BRACKET  
WIRING DIAGRAM 6/90**



**WARNING:** All electrical repairs must be performed by qualified personnel only.

## ACCESSORY

**NOTES:**