All Points

Spyglass Marine Vessel Orientation Program

Yachts have evolved in both design and sophistication. From the scores of new electronics that populate today's "glass cockpits" to the complexities of on-board comfort and leisure systems, personal Yachts require of their owners a greater understanding of their vessel's numerous systems and her unique handling characteristics. While the love of water may be innate, becoming a true Master of your vessel is a learned skill.

Pre-Delivery Discussion

We will strive to understand how the new owners intend to use their vessel. Do they intend to be weekend boaters, Great Lakes cruisers or maybe they have aspirations of completing the Great Circle Route. During our initial meeting we ascertain the depth of instruction each individual is seeking.

Uniform Curriculum

Our goal is simple, we want to explore and explain every nook and cranny of your new vessel. We will employ a systematic approach to reviewing your vessel's engine room, electrical systems, fuel systems, sanitation systems, electronics operation and answer any questions involving seamanship.

Enhanced Training (Optional)

"Cruise and Learn" is another value added program offered by Spyglass Marine. We come to your vessel and spend time training you and your crew (spouse/children/friends). We will provide hands-on coaching in; Pre-Departure Procedures, Maneuvering (in and out of *your* particular slip), Fueling, Electronics Operation (actual cruise planning and voyage execution), Generator/Electrical Operations, Anchoring/Rafting, MOB and Emergency Procedures. Cruise and Learn provides the best stage to learn the operation and systems of your particular vessel while under the watchful eye of a Spyglass Marine Master Captain.

Below Decks

Engine Room

☐ Verify that the factory manuals for engines, transmissions and generator(s) are on board and accessible.

☐ Record and enter serial numbers for each engine, transmission and generator in their respective manuals.

☐ Highlight key information like oil and coolant type, fluid capacity and recommended break-in procedures.

☐ Review periodic maintenance schedule.

☐ Review standard starting and emergency shut-off procedures.

☐ Review all gauge settings and discuss what “normal” reading should be.

☐ Explain when alarms go off, what they mean, and what to do.

☐ Review the fuel system and discuss fuel management.

☐ Point-out fuel tank air vents and explain how to clear a blockage.

☐ Locate fuel filters. Identify and record replacement part numbers.

☐ Identify and trace fuel lines from tank to engines and generator(s).

☐ Explain how to change primary and secondary fuel filters.

☐ Explain how to bleed fuel lines for both engines and generator.

☐ Demonstrate how to check and restore all engine fluid levels.

☐ Point out how to inspect engines for oil and coolant leaks.

☐ Locate and identify the through-hull seacocks that supply raw water to the engines.

☐ Demonstrate how to remove and clean out each intake strainer.

☐ Insure each seacock handle can be opened and shut easily.

☐ Locate and explain procedure for changing impellers.

□ Optional: Review the procedure for changing oil and decide location for stowing spare oil, filter elements, drain bucket and absorbent pads. Suggest the purchase of correct size filters and wrenches.

□ Suggest: Purchase and organize a spare-parts kit consisting of fuel and oil filters, belts, hoses and clamps, impellers for all raw water pumps, absorbent pads, oil, transmission fluid and other factory recommended spare parts.

□ Review engine ventilation.

□ Identify the various batteries and what they power. Mark individual batteries if necessary.

□ Review liquid cell battery maintenance.

□ Review the settings of all battery switches; normal and cut-off.

□ Identify and explain the operation of the fire suppression system.

□ Locate and identify emergency shutoff switches.

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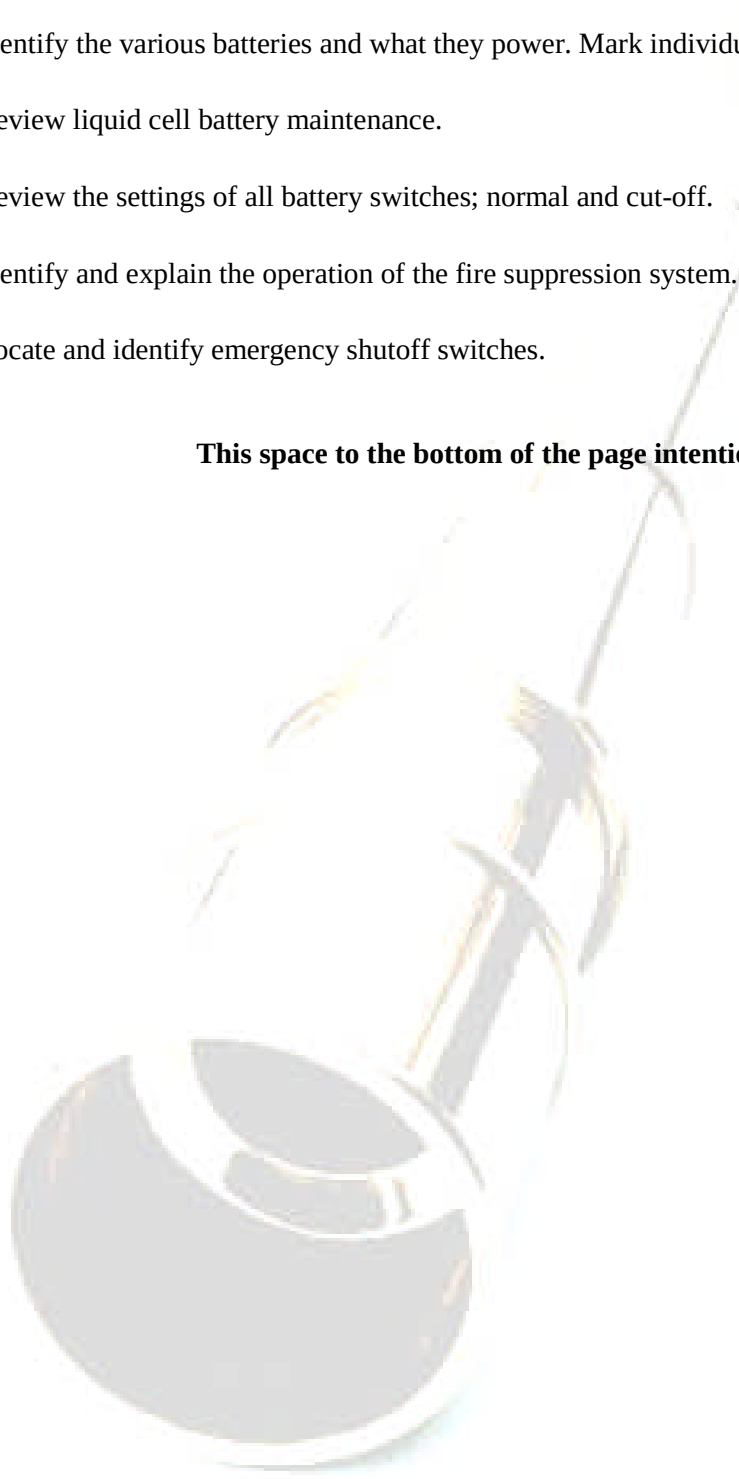

Main Salon

Water System

☐ Review the fresh-water, gray water and black water systems on the vessel.

☐ Explain fresh-water level indicators.

☐ Point out fill locations of fresh-water vents.

☐ Operation of fresh water pump switch.

☐ Fresh-water shore hook-up procedure.

☐ Review hot-water heater system and circuit breakers.

☐ Show location of all bilge and sump pumps.

☐ Review periodic cleaning procedures of sink and shower sumps.

☐ Demonstrate how float switches are activated.

☐ Discuss types of Marine Sanitary systems; Type I, II and III and rules that govern use.

☐ Point out holding tank location.

☐ Review waste system; do's and don't along with waste treatment additives.

☐ Demonstrate how to visually check the holding tank.

☐ If gray water equipped, locate tank and level indicators. Explain proper operation of the system.

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Electrical System

☐ Demonstrate the deployment and retraction of shore power cord.

☐ Suggest customer buys splitters/adapters to accommodate various shore power stanchions.

☐ Discuss the use and operation of every switch on the electrical panel.

☐ Demonstrate how to switch on shore power.

☐ Identify onboard electrical systems or appliances that are AC powered.

☐ Identify onboard electrical systems or appliances that are DC powered.

☐ Explain the relationship between shore power, generator, inverter; when and how to use them.

☐ Explain how to rest circuit breakers or toggle switches.

☐ Discuss DC meter readings and what they indicate.

Central Vacuum System

☐ Point out central vacuum switch on electrical panel.

☐ Review central vacuum use.

☐ Point out the location of the central vacuum head unit and explain periodic maintenance.

Air Conditioning and Heating System

☐ Demonstrate operation of thermostat; heat/air-conditioning and fan operation.

☐ Explain how to override the air-conditioning fan/blower preset setting.

☐ Demonstrate the proper humidity system setting for when leaving the boat for an extended period.

Entertainment System

☐ Demonstrate the operation of all entertainment systems

Establish a set of owner quick-reference manuals

On Deck

☐ Demonstrate the proper way to coil and secure lines.

☐ Demonstrate the proper way to toss a coiled line.

☐ Discuss how to use spring lines.

☐ Anchoring techniques and windlass operation.

☐ Review proper cleat tie-off.

☐ Suggest fender placement and adjustment.

☐ Demonstrate the davit system for deploying tenders or dinghy.

☐ Cleaning do's and don'ts. Caution using household cleaners on gel coat and isinglass.

☐ Demonstrate the proper way to toss a life-ring.

☐ Spot-light operation.

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Electronics

Radar (Radio Detection And Ranging (RADAR))

☐ Discuss maximum radar range.

☐ Discuss factors that impair a radar picture.

☐ Demonstrate Powering On and Off.

☐ Demonstrate Scanner On/Off.

☐ Initiating Scanner Transmit (TX) and Standby (STDBY)

☐ Interpreting Radar Picture:
- Motion Mode; Relative Motion, True Motion
- Orientation; Heads Up, North Up, Course Up
- Vessel Position
- Range
- Range Rings
- Ships Heading Marker
- On-Screen Targets
- Echos
- Collision Avoidance

☐ Adjusting Radar Screen:
- Day/Night Display
- Backlight Levels
- Gain Functions
  - Sea
  - Rain
  - Tune
  - Manual Mode
  - Enhanced Echos

- Measuring Distances, Ranges and Bearings
  - Variable Range Marker (VRM)
  - Electronic Bearing Line (EBL)

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Chart Plotter

☐ System start-up.

☐ Walk thru initial page selection and/or develop customized pages.

☐ Operation and Overlays

☐ Demonstrate:
- Adjusting display settings/lighting (Day/Night).
- Backlight adjustment.

☐ Discuss Chart Display
- Chart Range
- Chart Orientation
- Motion Mode
- Waypoints

☐ Moving Around the Chart
- Panning
- Zooming In/Out
- Find; Cursor, Ship
- GoTo
- Routes
- Tracks
- Presentation and Overlays
- “Active” Screen

☐ Measuring Distances and Bearings
- From Boat
- Between Two Points

☐ Navigation
- Setting Waypoint(s)
- Plotting a course
- GOTO; Cursor, Waypoint
- Building and Following a Route
- Headings (HDG)
- Course Over Ground (COG)

☐ Synchronizing Chart Plotter and Radar

☐ Depthsounder calibration

☐ VHF Radio
- Communication channels and radio etiquette.
- Emergency calls.

Seamanship

☐ Close quarters maneuvering.

☐ Use of static lines to overcome winds or currents.

☐ Knots; The bowline, the clove hitch and the cleat hitch.

☐ Cruise and slow no-wake settings.

☐ Communication with your crew and/or dock line handlers. Being understood is essential.

☐ Rough water techniques.

☐ Emergency procedures.

☐ Navigation Rules and Signals.

☐ Running at night.

☐ USCG required safety equipment check list.

Every orientation vessel will receive a USPS "Vessel Safety Check" and sticker

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SPYGLASS
MARINE SERVICES