

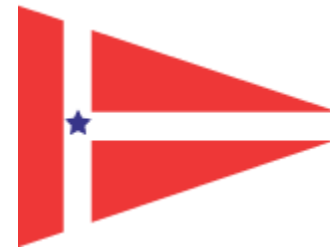
MIT Offshore Sailing Shore School IAP 2016

Session 1



Agenda

- Introduction
- Tales of adventure
- Types of boats
- Boat layout
- Boat systems
- Life aboard
- Safety Basics



Course Schedule: IAP 2016

Date	Topic
Tue Jan 5th	Introduction to Keelboats
Thurs Jan 7th	Navigation #1
Tue Jan 12th	Navigation #2
Thurs Jan 14th	Racing
Tue Jan 19th	Safety at Sea
Thurs Jan 21st	Chartering a Boat
Tue Jan 26th	Weather
Thurs Jan 28th	Celestial Navigation

Why We're Here

- Charter a cruise in the Virgin Islands
- Sail with friends in Boston Harbor
- Join a local sailing club
- Buy yourself your own sailboat
- Sail across the Atlantic

This is not a substitute for a certified training course like ASA 101































x DIMENSION
CAMBRIDGE MA



make art

CHINA & FRESH'S LOG

DELI MEAT

HELLMANN'S

HELLMANN'S



















FIRST

ALUMINUM











Horizon

Savar
ROAD HAR











XIX

TENACIOUS







TENACIOUS

Chart Your Course

- Sail with xDimension in 2016
 - Sign up for the Bluewater mailing list
- Take a certified ASA keelboat training class
- Charter a skippered sailing trip
- Volunteer to crew on someone else's boat
- Sail across the Atlantic!

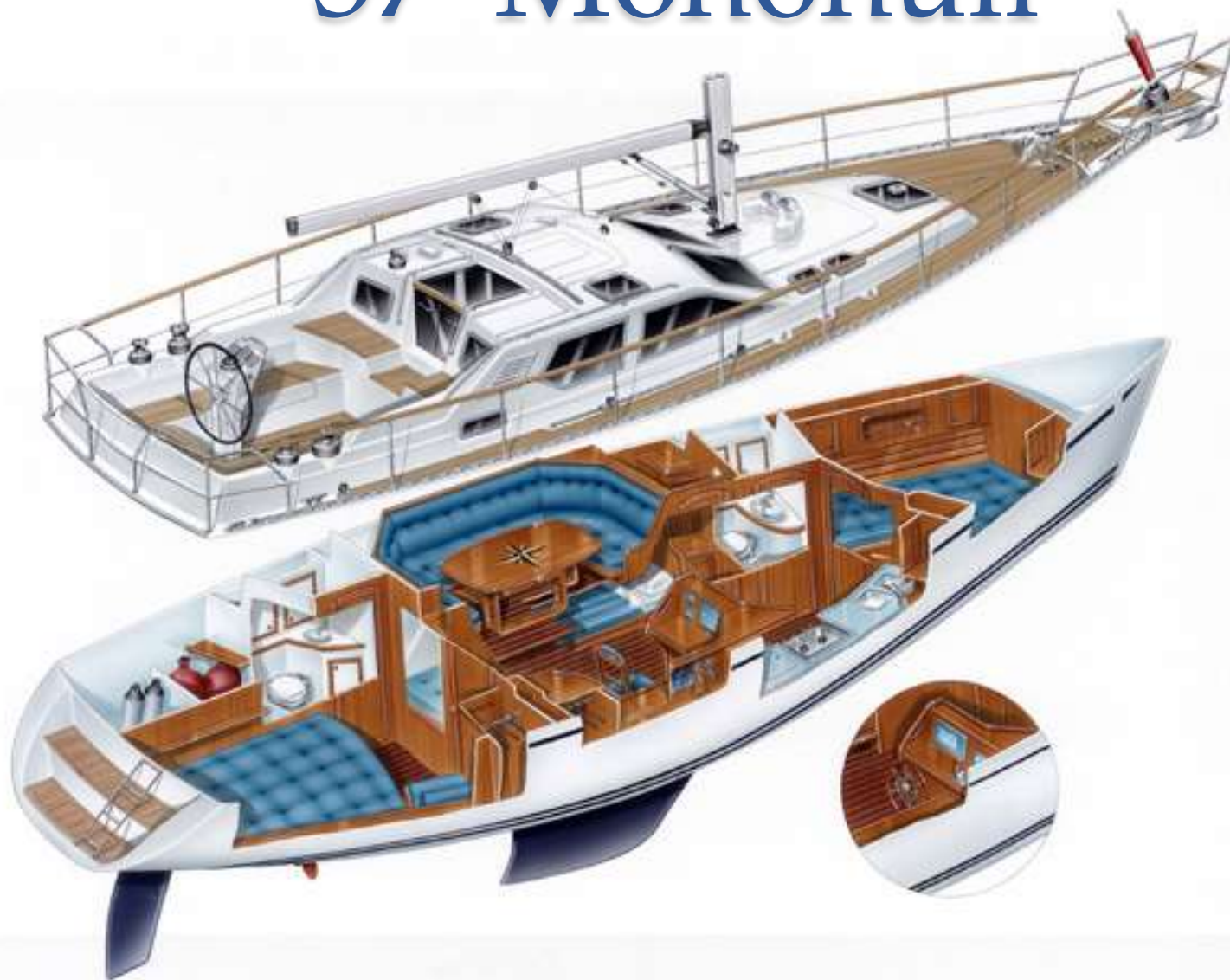
Let's Look At Boats

- Monohull vs. Catamaran
- Cruiser vs. Racer
- Short, Medium, or Long

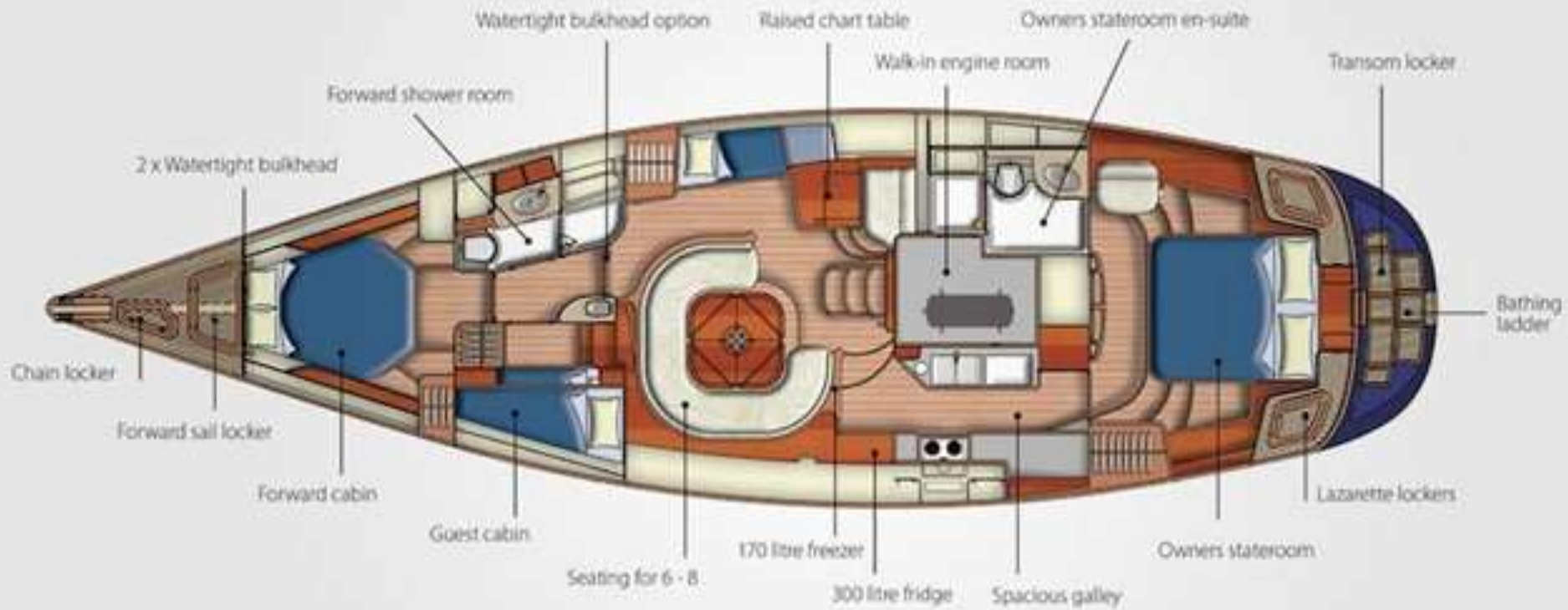
27' Monohull



37' Monohull



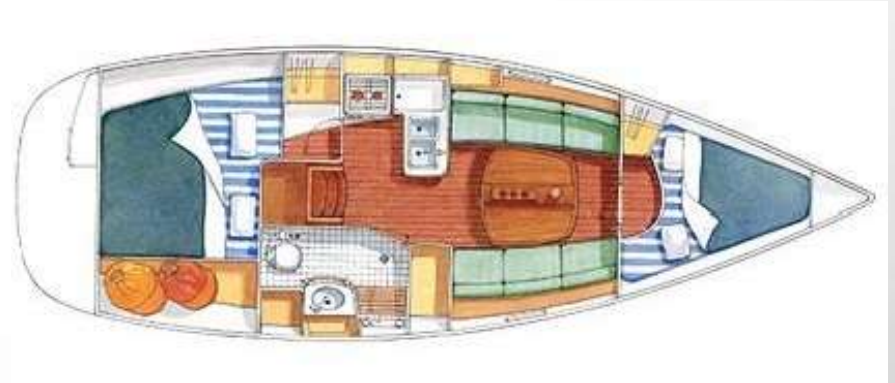
55' Monohull



Catamaran



Oceanis 31



Oceanis 31



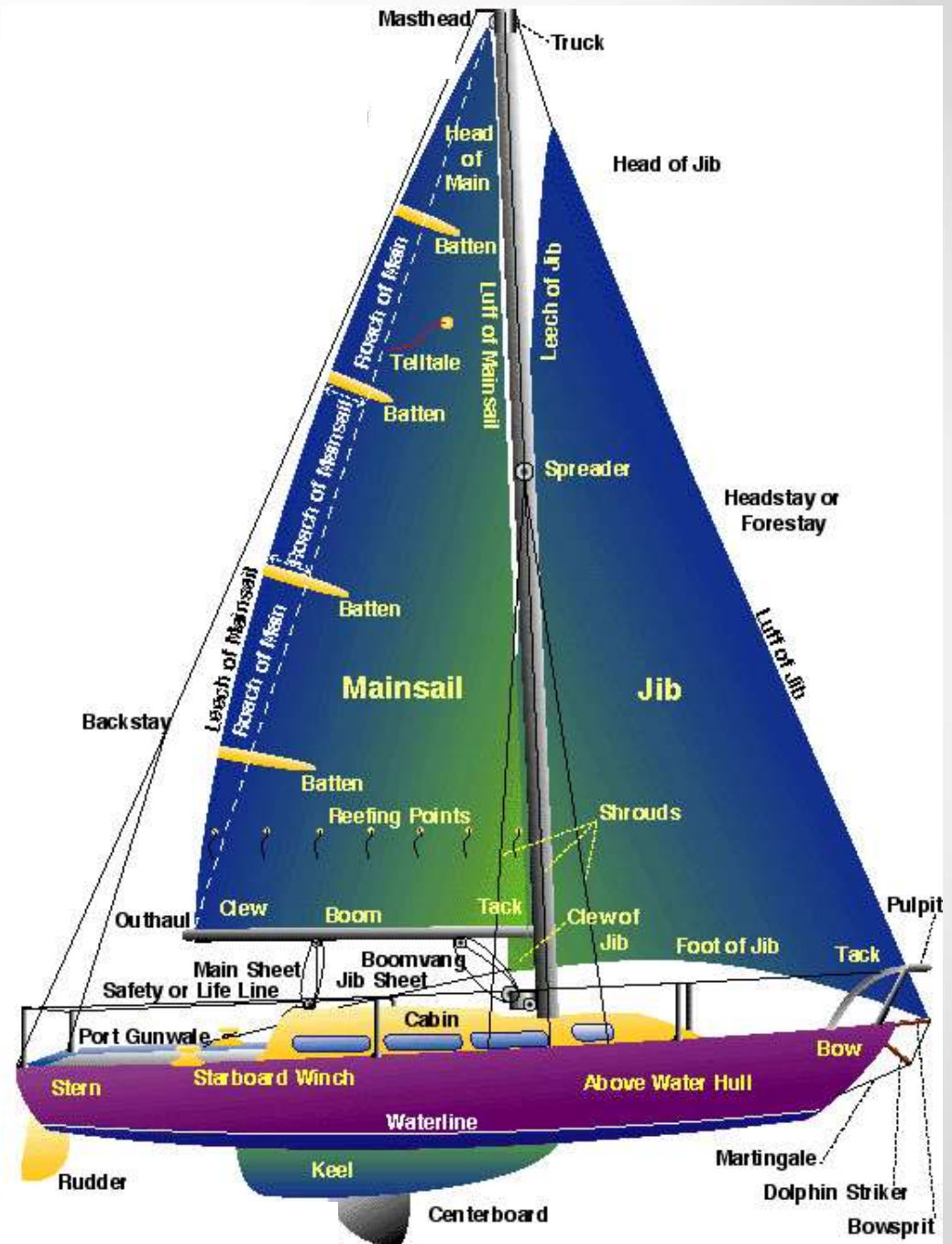




Boat Systems

- Engine
- Electrical
- Navigation lights
- Navigation Instruments
- Communications
- Rigging
- Galley
- Fresh water
- Head
- Bilge

Rigging



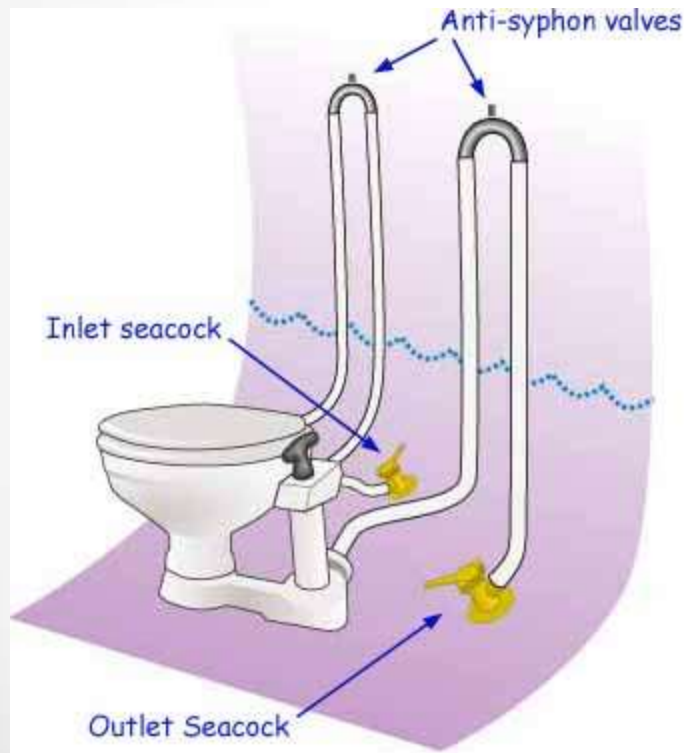
Galley / Fresh Water



The Head



The Head



The Head



The Bilge



The Bilge

Bilge Pump System

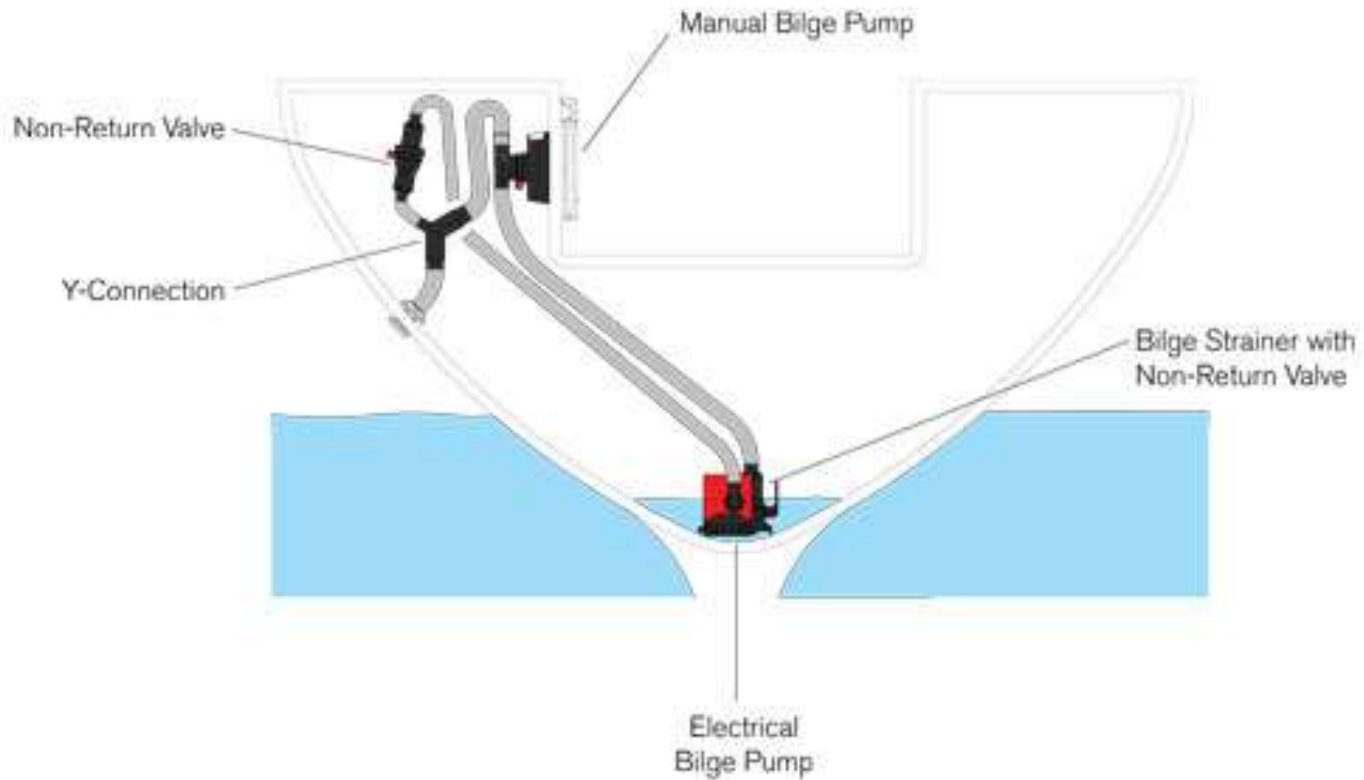


Image Courtesy of Johnson Pumps

Engine

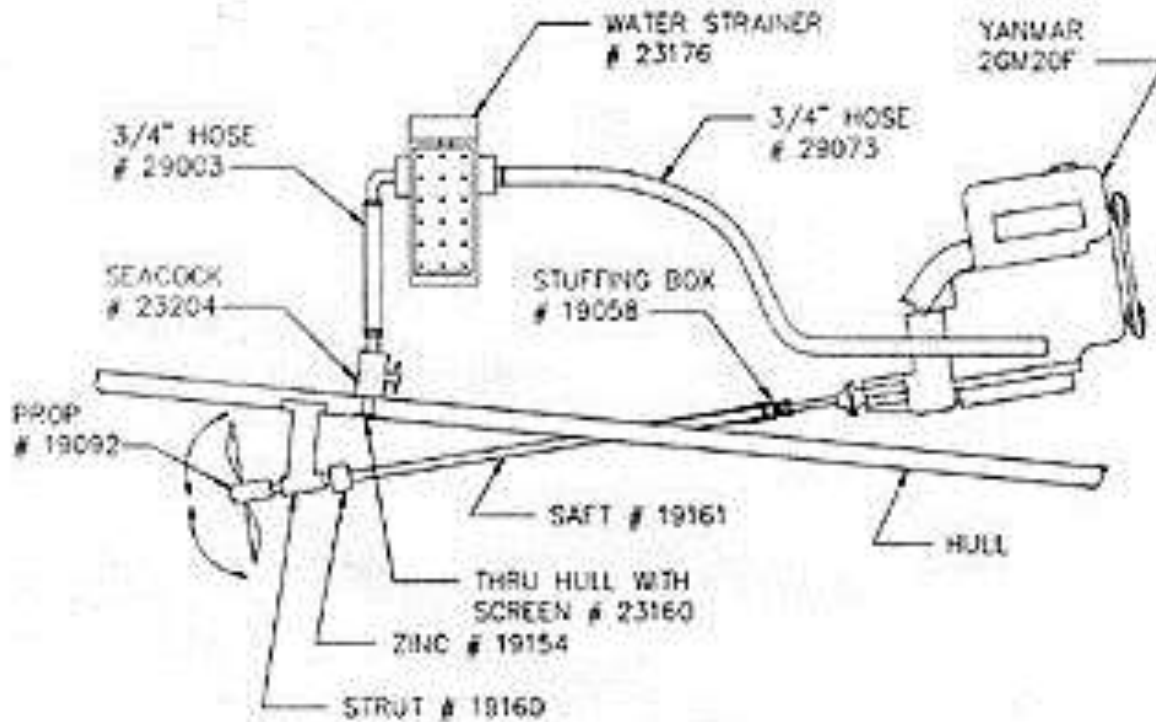
Outboard



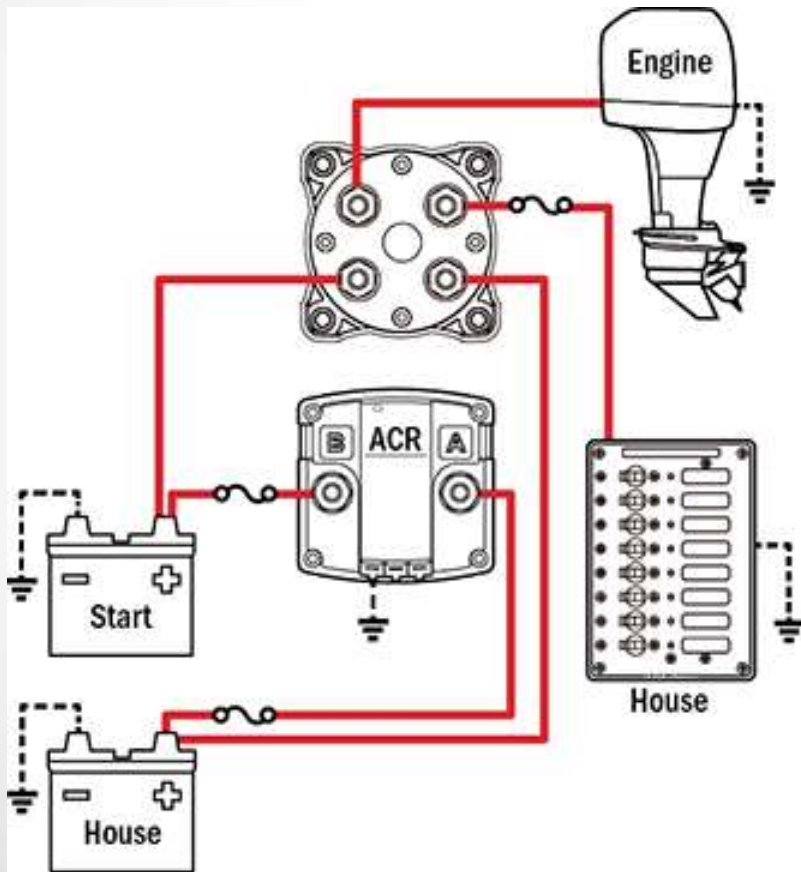
Inboard



Engine



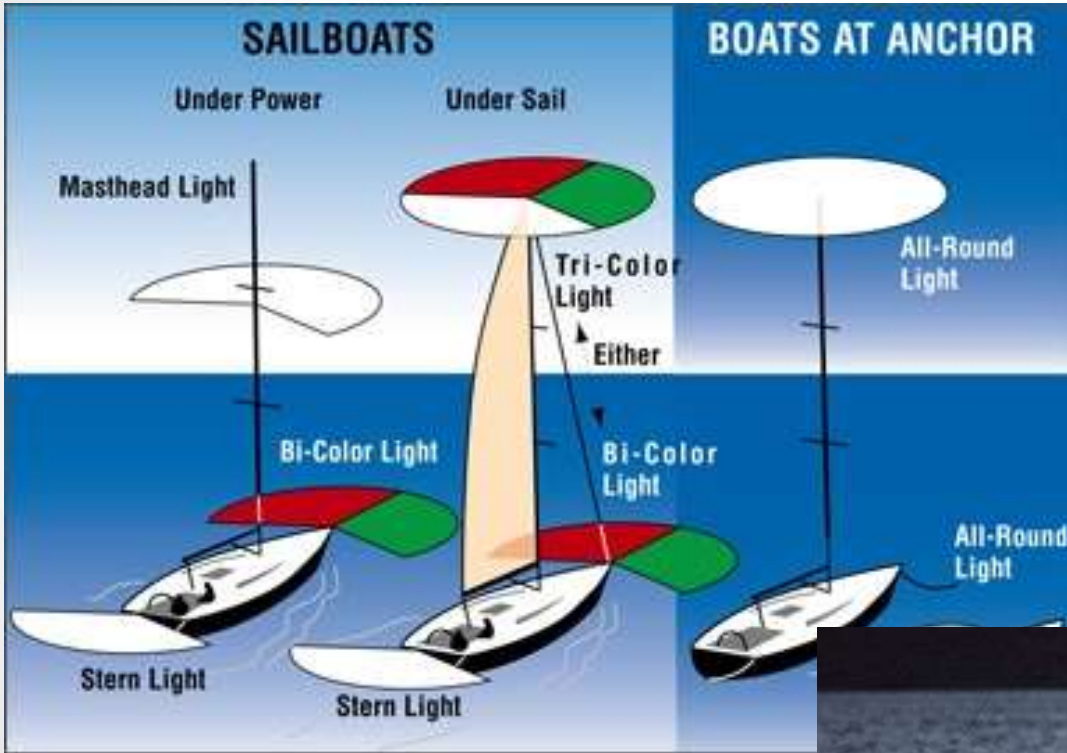
Electrical



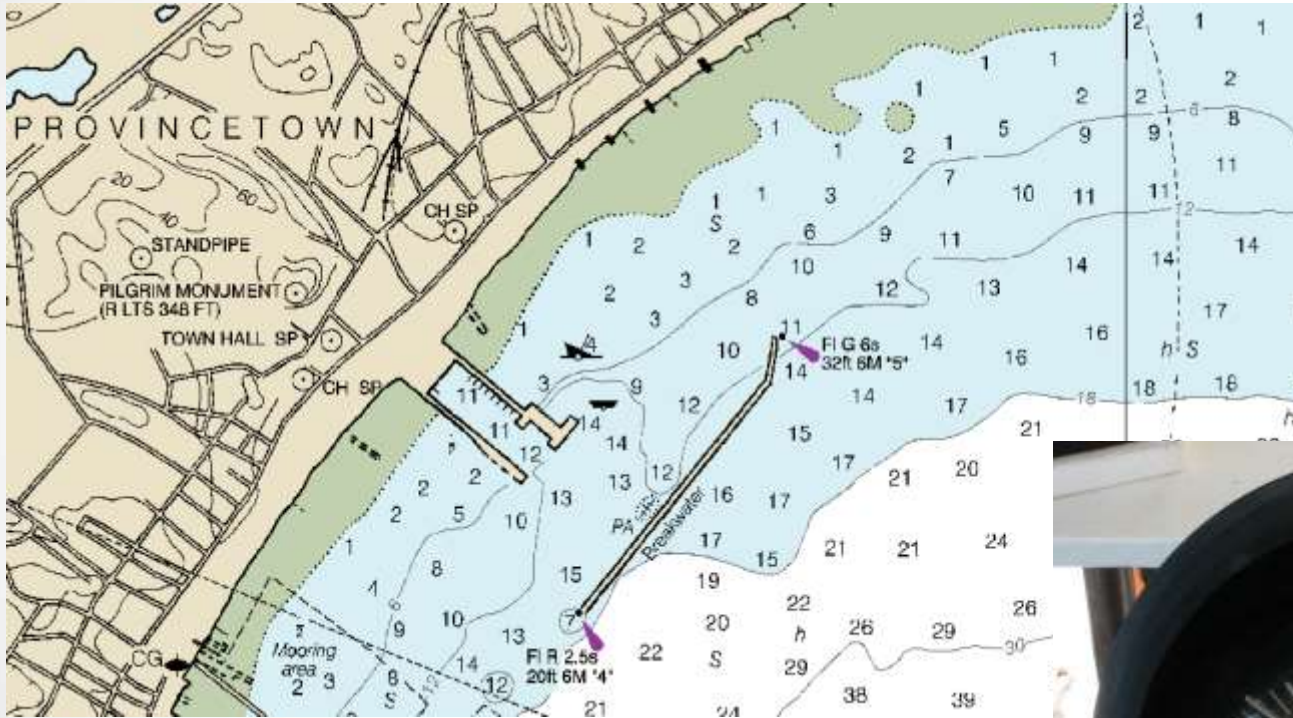
Electrical



Navigation Lights



Navigation Instruments



Navigation Instruments



Communications



Channel 16: International Distress, Safety and Calling.

Life Aboard



What To Bring?

Clothing (layers!)

- It might get cold
 - Hat, gloves, base layers
- It might get hot
 - Sun cover, sun glasses, swim gear
- It might rain
 - Jacket, overalls, boots

Other

- Toiletries
- Sunscreen, lip balm
- Medication, aspirin, etc.
- Camera
- Phone and car charger
- Down time entertainment
 - Books and games

Sea Sickness



Do Your Job

- Skipper (not you)
- Helm
- Jib Sheet(s)
- Main Sheet / Traveler
- Navigation
- Galley Cook
- Standing Watch

Two Knots To Know

Bowline



Cleat Hitch



Basic Safety

- Walking around the boat
- Skipper's safety instruction
- PFD (aka life vest)
 - Clipping into a jackline
- Crew overboard procedure
 - Shout, Point, Throw
- Calling for help
 - Ch 16: Mayday, mayday, mayday
 - Flares, horn, smoke, yell

What Next?

- Keep coming to this IAP series
- Join the Bluewater mailing list
- Consider joining us in Maine this summer
- Find a friend with a boat.





Fin

0823
6980

0823
6980

X-DIMENSION
CAMBRIDGE, MA