

Dialing In Your Trawler

Suggestions on how to track and monitor the gear and systems on your boat. Tips and Ideas to make boating more fun and enjoyable

Trawler  Fest.

BOAT SHOW - EDUCATIONAL EXPERIENCE - RENDEZVOUS

by Jeff Merrill, CPYB
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Racing sailboats led to this course

Trawlerfest

BOATSHOW • EDUCATION • RENDEZVOUS

Friday September 27, 2024

Pilothouse – Gauge Reference

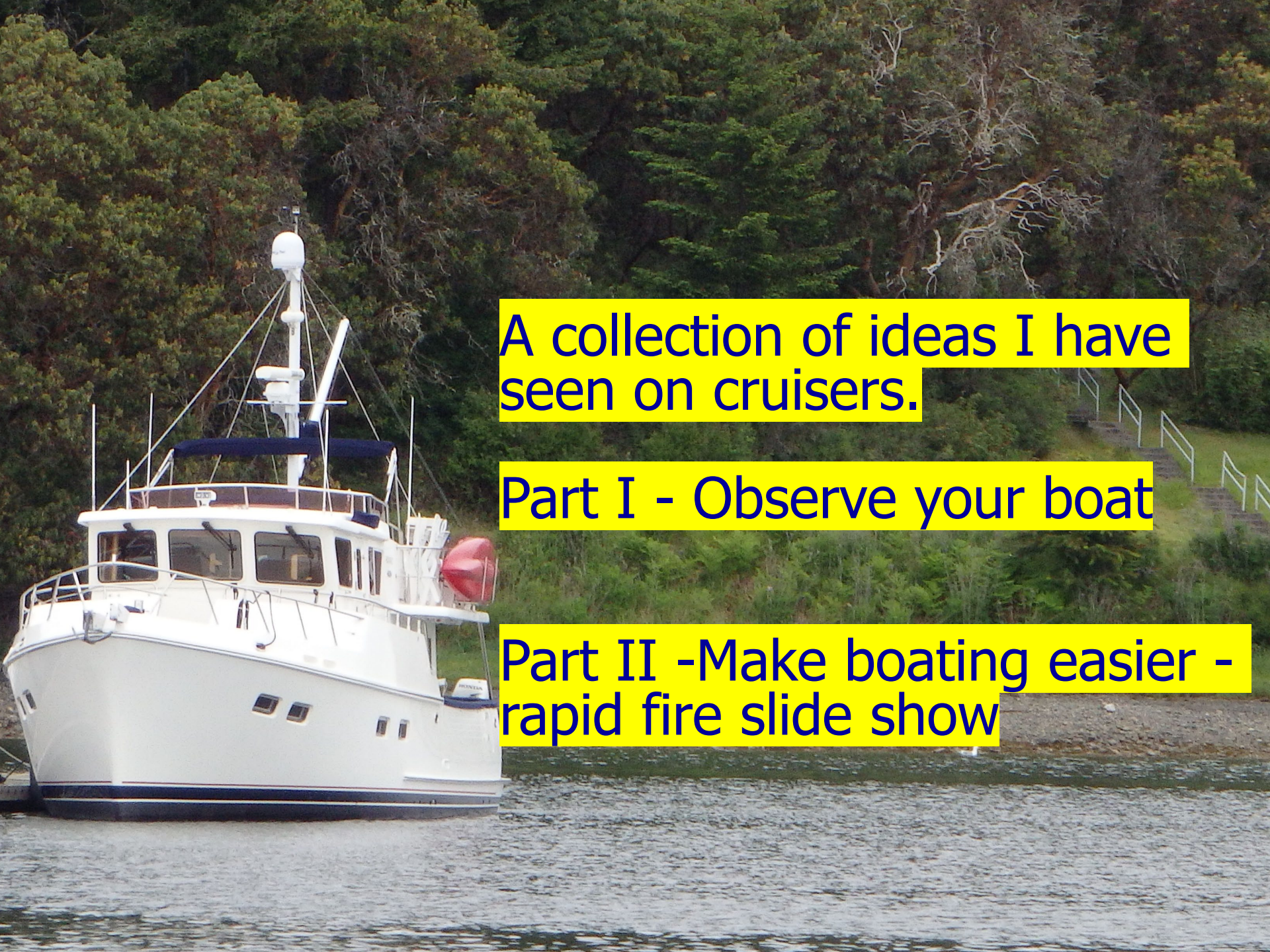
My first power boat "AHA"



4408 (MRTD)
Rev. 1-2000



About me...30+ years of selling new and used cruising sailboats and trawlers and training owners. I've been on hundreds of boats and found some great ideas.



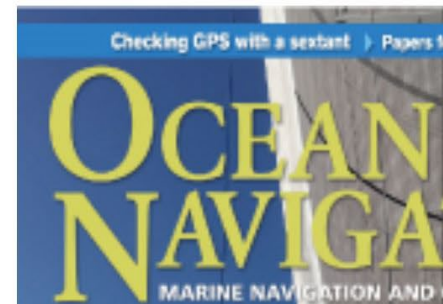
A collection of ideas I have seen on cruisers.

Part I - Observe your boat

Part II - Make boating easier - rapid fire slide show



Specializing-In-Your-Trawler articles Jeff Merrill has written are available



Handout* A list of the articles I have written for Ocean Navigator magazine



Of course, a compass

Mar/Apr 2020

Enabling your boat to talk

Nov/Dec 2019

Ship's Papers

Jul/Aug 2019

Dialing-in-your-trawler articles - the series

There are over two dozen articles in the "Dialing-in-your-trawler" series so far.

Each article has been published in *Ocean Navigator* magazine.

You can read the articles on the *Ocean Navigator* website, "Power Voyaging" section

All articles are also archived on JMYS.com -|- Trawler Lifestyle section -|- Ocean Navigator

Here is a summary of the article titles:

Dialing in your trawler

Engine Essentials

Anticipating Anchoring

Steering Straight

Wanderers Water

Dinghy Dynamics

Night Running

Sea Safety

In Charge - 12V DC

Keeping Current - 120V AC

Fuel to Burn

A Trip to the Engine Room - part 1

A Trip to the Engine Room - part 2

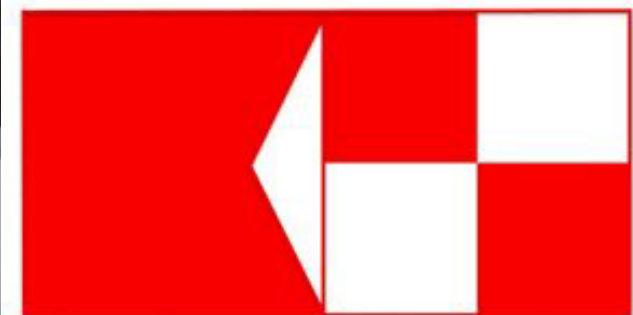
Spare Parts - part 1

Where are you most vulnerable? - Spare Parts - part 2

Expert Instruction From The Brands You Trust.

Offshore Cruising: Preparing Craft & Crew

Preparation is key to successful cruising. Regardless of the size, make or model of your boat, understanding its critical systems and having a plan is crucial to keep your craft performing efficiently and safely. Join yacht broker, boatbuilder and TrawlerFest instructor Jeff Merrill in this exclusive online course designed to help you prepare yourself, your boat and your crew to get the most out of your offshore boating adventures.



Boaters University

YouTube videos



SKILL

TIP #2



Learn something from every boat

Every vessel has a
number of components
that require attention and
observation, we are all
“in the same boat”

Noticing details will help you monitor your systems and better understand your boat.

I will post this PowerPoint as a PDF and include the handouts on www.JMYS.com within a week.

Please interrupt with questions

Sign up list for email notification.

HANDOUTS

- Summary Dialing in Your Trawler articles
- USCG inspection Vessel Safety Check
- Maintenance Log - Main Engine
- SDMC / JMYS Maintenance Guideline

As a yacht broker I know that eventually you will sell your boat. You want a reliable vessel, and Buyers want maintenance records



Do you keep your maintenance log up to date?

Your Boat is "alive"

Like your body, it make senses that regular
"CHECK-UPS" will keep your boat healthier



Unlike annual human medical exams, a trawler should have many inspections (hourly at first) to check systems





Be observant and pay attention

What can you do to keep track of things and make boating easier?

A photograph of a boat's dashboard area. The dashboard is dark grey and features several pieces of electronic equipment. On the left, there is a laptop computer. In the center, there is a speedometer and a tachometer. To the right, there are two large digital display screens. Above the dashboard, there are several windows and a radio. The background shows a marina with many boats.

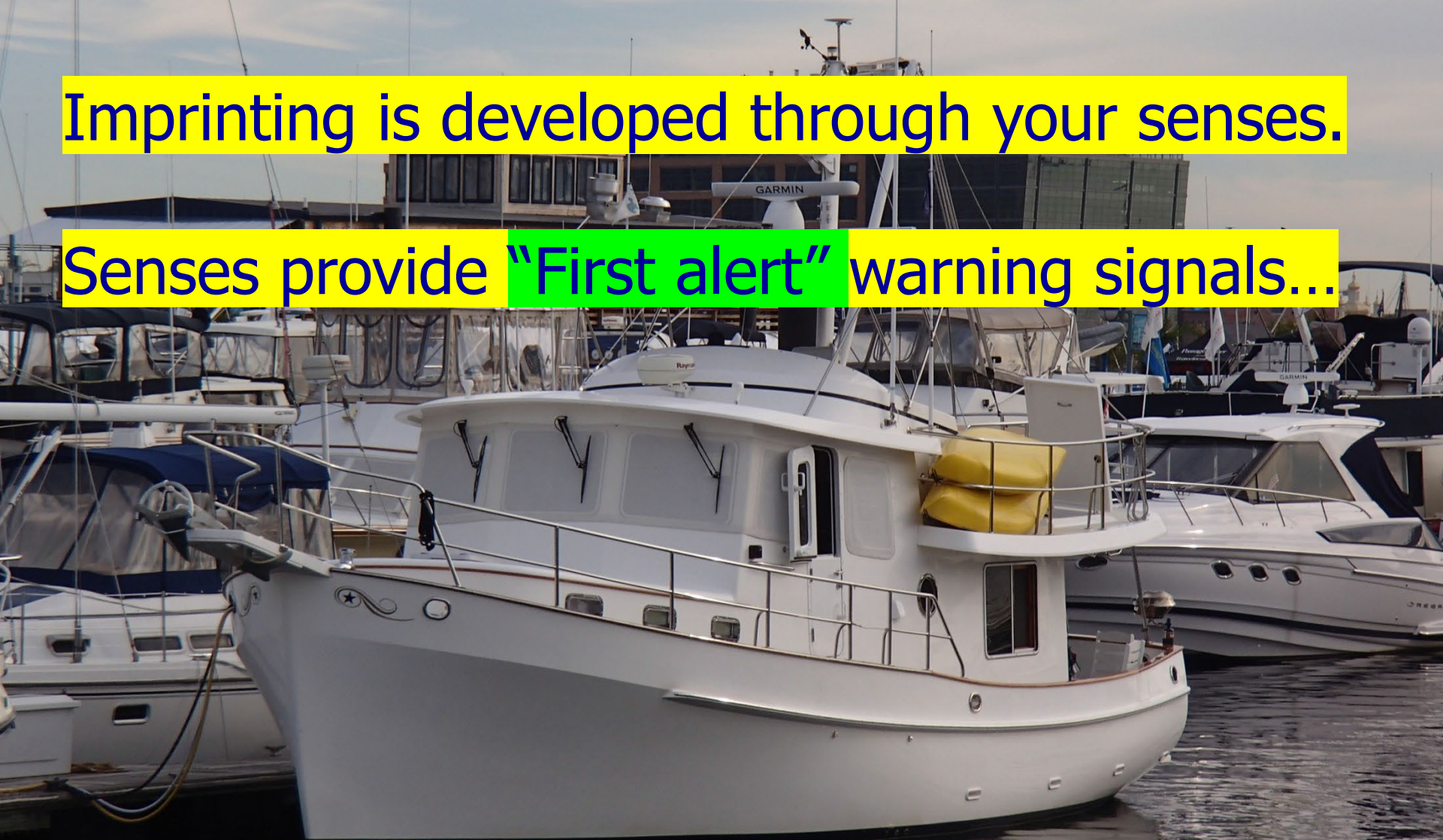
BASELINES

To track your boat you first have to establish baselines, and these initial impressions need to be cataloged so you can learn what the NORM is.

Boat "SENSES" – You are a diagnostic tool

Imprinting is developed through your senses.

Senses provide "First alert" warning signals...



A photograph of a boat on a body of water during sunset. The sky is filled with clouds, and the sun is low on the horizon, creating a warm glow. The boat is moving away from the viewer, leaving a wake. The text 'Sight/Vision' is overlaid in a yellow box, and a list of two bullet points is overlaid in another yellow box.

Sight/Vision

- Keen an eye on things...
- Visual observation is the most common way to notice if something is amiss.

Hearing/Sound

New noises to identify:

Pumps, Beeps, Clicks, Alarms

Vibrations (normal and OK)

High pitch whine (laundry)

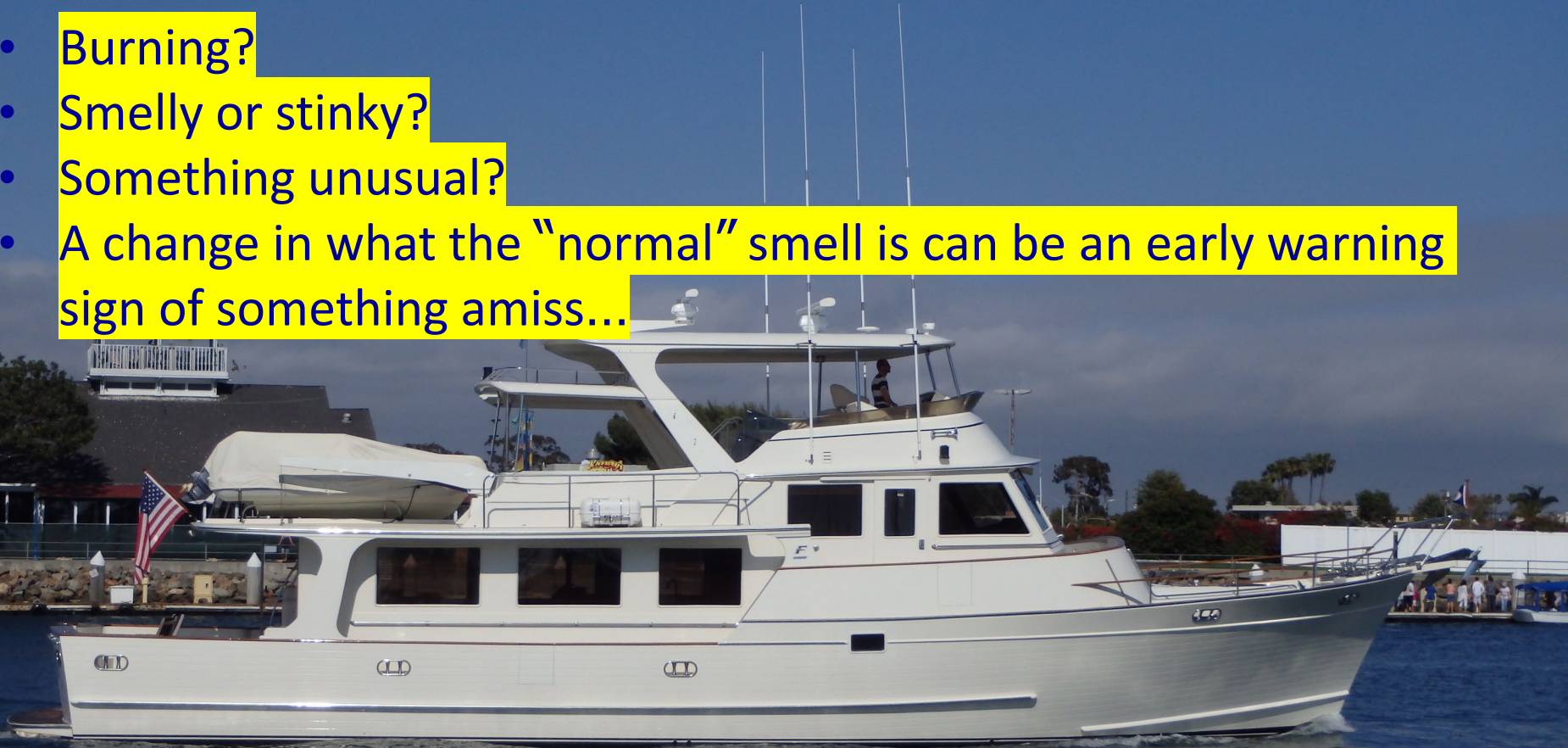
Wear ear muffs in the engine room

Do you hear that "Buzzing" outside?



Smell

- Burning?
- Smelly or stinky?
- Something unusual?
- A change in what the “normal” smell is can be an early warning sign of something amiss...



Touch (and what not to touch)

Machinery hot parts – be careful of burns

Gloves – anchoring and handling dock lines
(wood dock splinters)

Shoes on deck: hatch dogs, sure footing,
around windlass, anchor and chain

Taste (let's call this "non-sense")

Don't use this sense except for food consumption.

Story: Surveyor who dipped finger in bilge and became ill.





Common Sense

- You typically have time to think through a good solution, don't rush to judgement

5-year expiration...



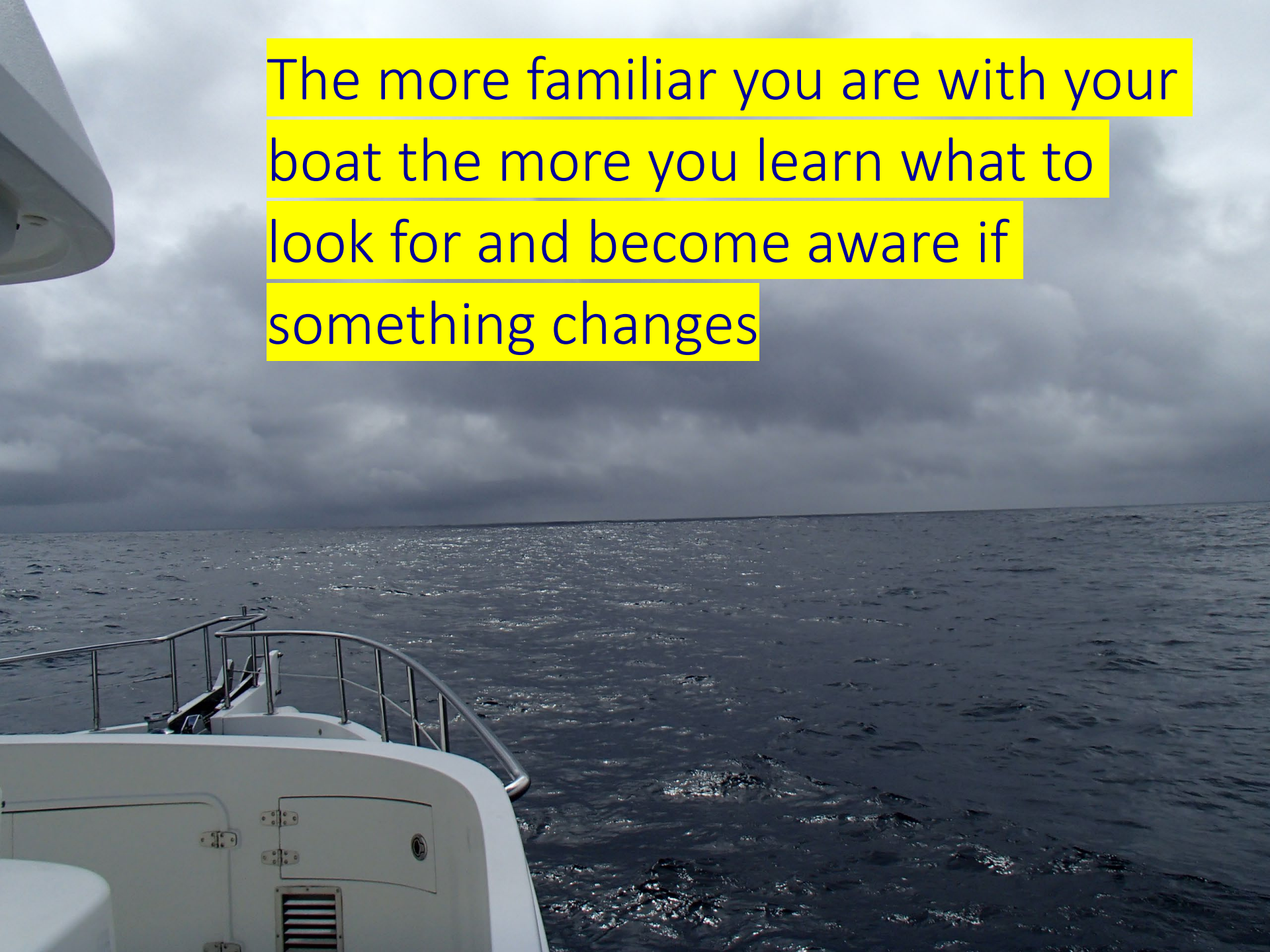
GET YOUR BOAT ON TRACK

Let's see what other boat owners do to stay on top of things.

Machinery with temperatures to monitor and many reminders or quick reference ideas.



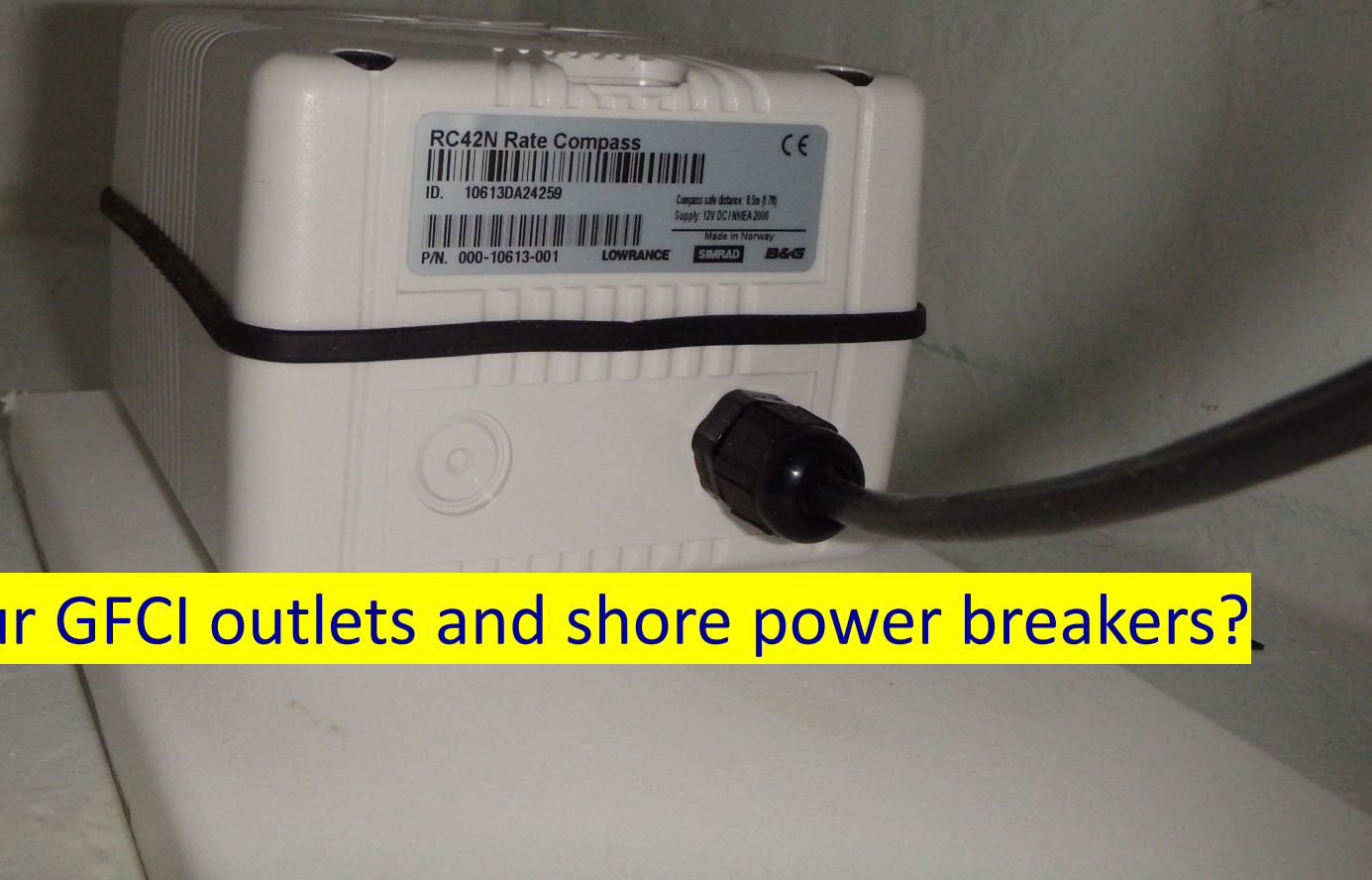
The more familiar you are with your boat the more you learn what to look for and become aware if something changes



Locate where things are installed

Anti siphon vents?

Where is your autopilot rate gain compass?



How about your GFCI outlets and shore power breakers?

Temperatures to monitor



What other temperatures should you record?

- Stuffing box
- Engine coolant
- ER forward and aft bulkhead



Analog "needle marks"



Mark normal needle position.

Do you have a bicycle pump?



MODEL No's. R-06, R-07, R-12

Use Aircraft Steering Fluid (HA5430) or a light viscosity hydraulic fluid spec. MIL H-5606C, such as Shell Aero Fluid #41, Esso Univas N15, Chevron Aviation Aero HFA. Heavier Fluids such as automatic transmission oil, may be added but will cause harder steering.

MAXIMUM RESERVOIR LEVEL

PRESSURE: 11

Example of "tide mark" level



Learn the "INS"...

OLD

↑ ↑ ↑ IN ↑ ↑ ↑ ↑

10
STBD
MAIN
ENG

RETURN FROM MOTORS

12
PORT
MAIN
ENG

RETURN FROM TRANSFER PUMP

29
FUEL

30
20KW
GEN



and OUTS...

To and From, Supply and Return



Get a Label Maker and use it!

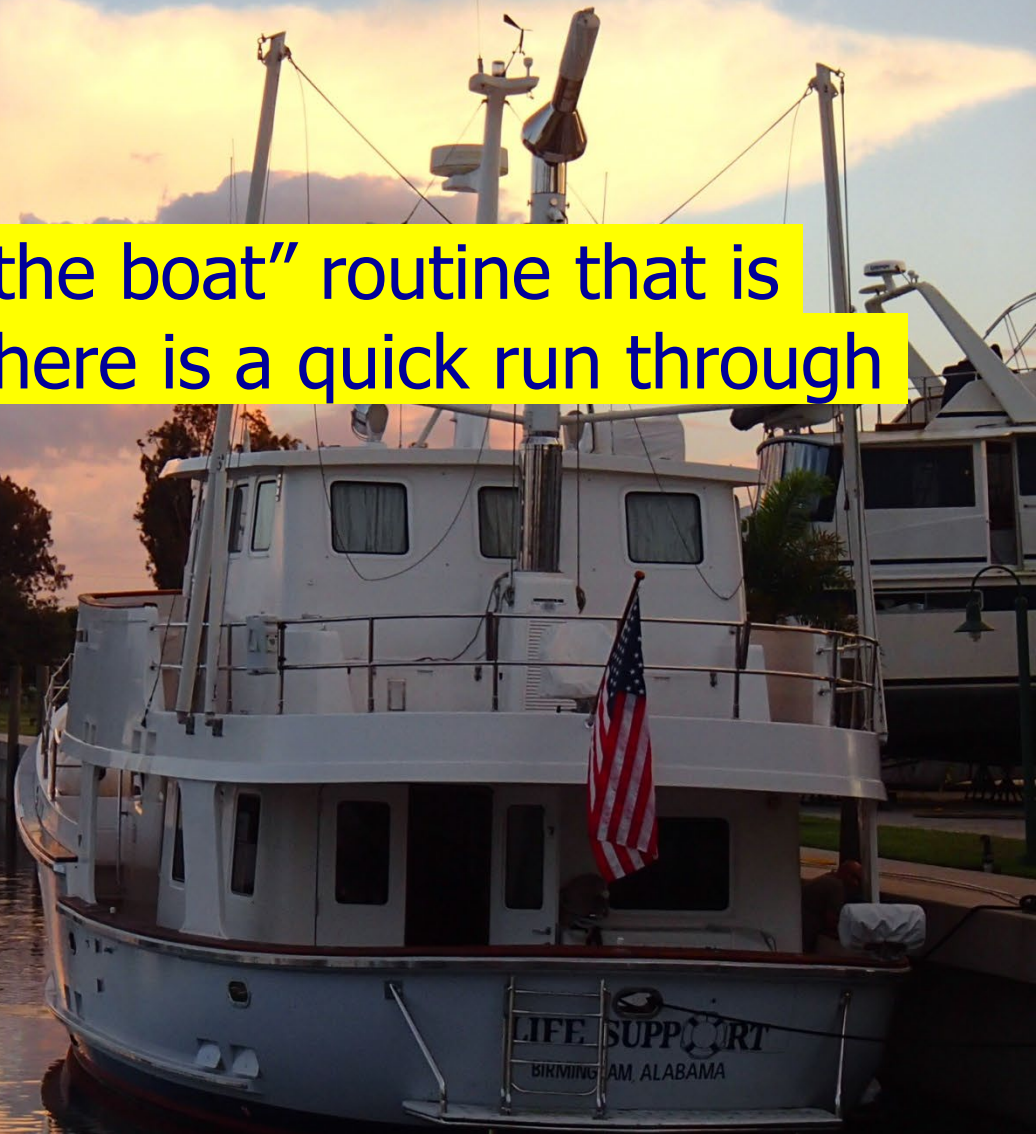


Bow Thruster ON/OFF



Routines

Develop a "return to the boat" routine that is the same each time, here is a quick run through of what I do.



At The Dock

Let's start by approaching your boat tied up at the dock. What should you look for?

Shore tower breaker still **ON**?
Shore power cord plugged **IN**? In the water?
Dock lines secure? Any chafing on lines?
Fenders properly positioned?

On Board

Can you be contacted
in an emergency?

Do you have a key for
access to the boat?



Emergency Contact Information

M/V Convexity

USCG #1186437

IN CASE OF EMERGENCY
CALL OR TEXT **415-420-8800**

Is your lazarette hatch lockable?



Combination lock box for key



Shoes off basket



Inside- My First Two Priorities

Electrical – Do I have shore power coming in and are my batteries charged?

Bilge – How much water do I have in the bilge?



AC IN = Good!



Ship Shape

Keeping things clean and tidy makes it easier to notice when something goes wrong

USCG Vessel Safety Check

Handout* This is a great way to make sure you are in compliance



VESSEL SAFETY CHECK (VSC)

To be completed by a U.S. Coast Guard approved Vessel Examiner.
See the back of this form for a brief explanation of required items.
A Federal Requirements pamphlet is also available.

Date of VSC: _____

Decal Awarded: Yes No

Owner/Operator Name: _____

Owner/Operator has attended a CGAUX, USPS, State
or _____ Boating Safety Class: Yes No

Location of VSC - County: _____ State: _____

Replaced decal was: Last Year Outdated First time

VESSEL INFORMATION:

Registration or Documentation Number: _____

HIN: _____

Length: <16 16-25 26-39 40-65 >65

Powered by: Gas Diesel Sail Other

Area of Operations: Inland Coastal

Type: PWC Open Cabin Other

VESSEL SAFETY CHECK DECAL REQUIREMENTS

Item	Yes	No	N/A
1. Display of Numbers			
2. Registration/Documentation			
3. Personal Flotation Devices (PFD)			
4. Visual Distress Signals (VDS)			
5. Fire Extinguishers			

RECOMMENDED AND DISCUSSION ITEMS (While encouraged, items below are not VSC requirements)

Item	Yes	No
I. Marine Radio		
II. Dewatering Device & Backup		
III. Mounted Fire Extinguishers		
IV. Anchor & Line for Area		
V. First Aid and PIW Kits (**over)		



There are several areas where you can
"Dial In"

Anchoring Ideas



Anchoring

Chain marking (HundRED)

Bitter end – line, cut away on deck



Hund-RED's

NORDHAVN N5725
ANCHOR CHAIN
COLOR KEY

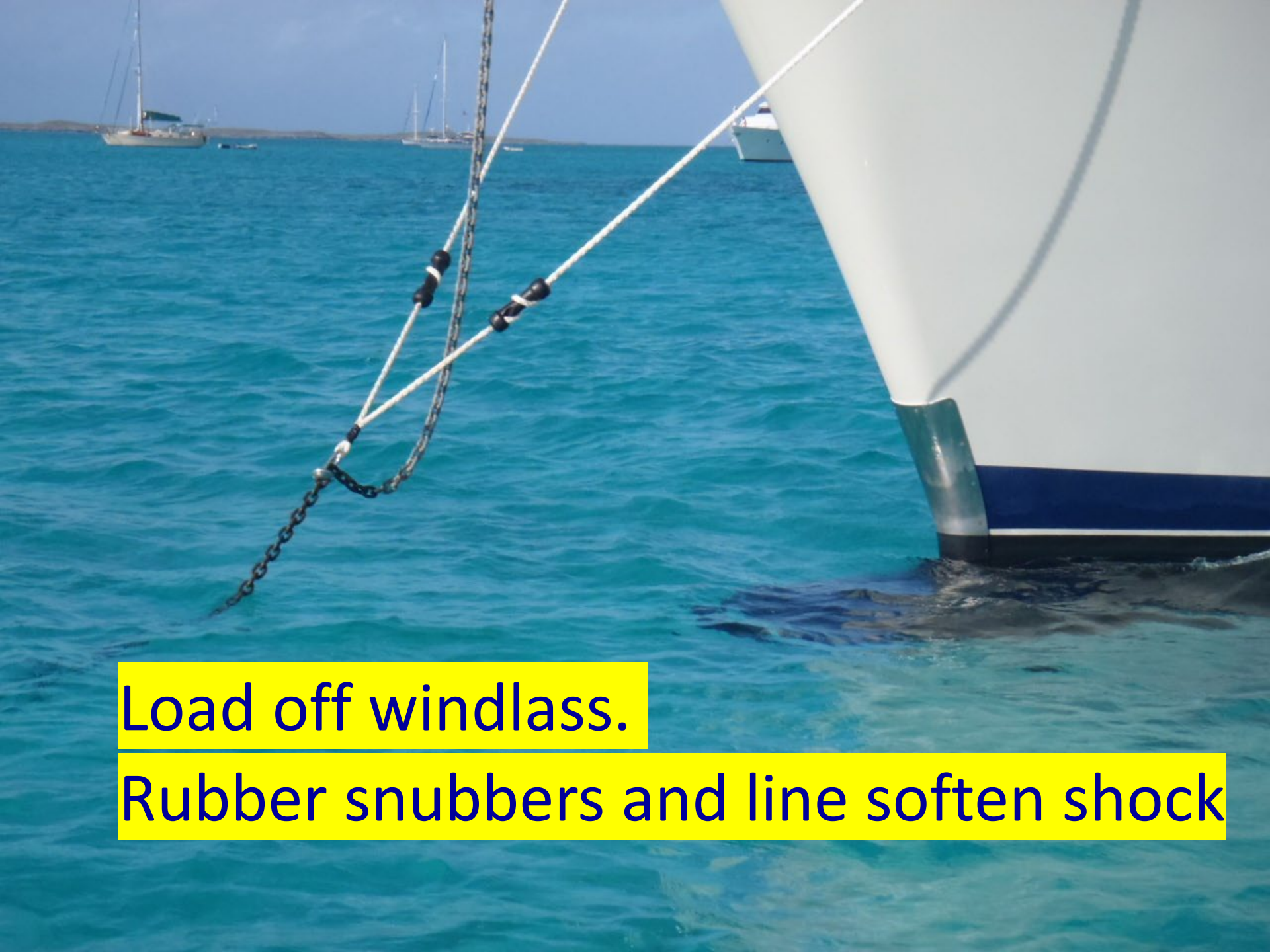
WHITE	=	50 FT
RED	=	100 FT
RW	=	150 FT
RR	=	200 FT
RRW	=	250 FT
RRR	=	300 FT
RRRW	=	350 FT
RRRR	=	400 FT

Color code summary right by windlass

WHITE	50'
RED	100'
WHITE	150'
GREEN	200'
WHITE	250'
RED	300'

Anchor Bridle





Load off windlass.

Rubber snubbers and line soften shock



Stop Slop

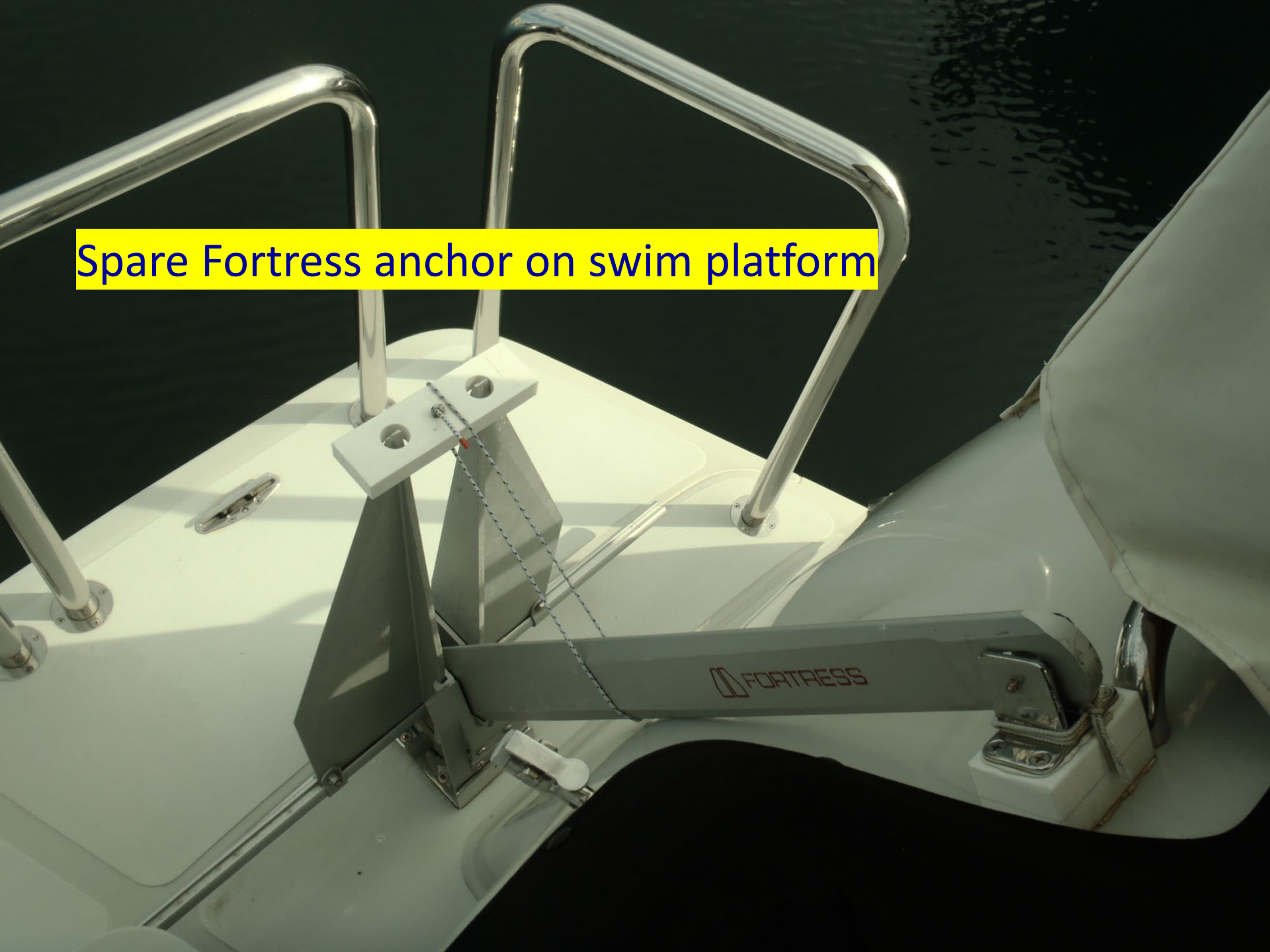
Chain tensioner, snug anchor on roller





Spare Fortress anchor on foredeck

Spare Fortress anchor on swim platform

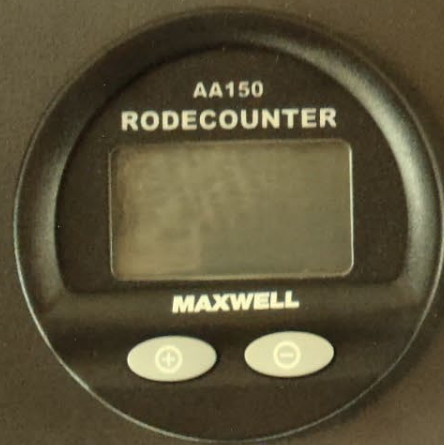


Chain color coding by windlass control



Last 50' feet or anchor at waterline.

Can you disconnect from bitter end?



ANCHOR CHAIN
1st WHITE AT 40'
WHITE MARK EVERY 50'
LAST 50' PAINTED RED



Folding pad eye for clipping on fenders



Mark your fins for haul out



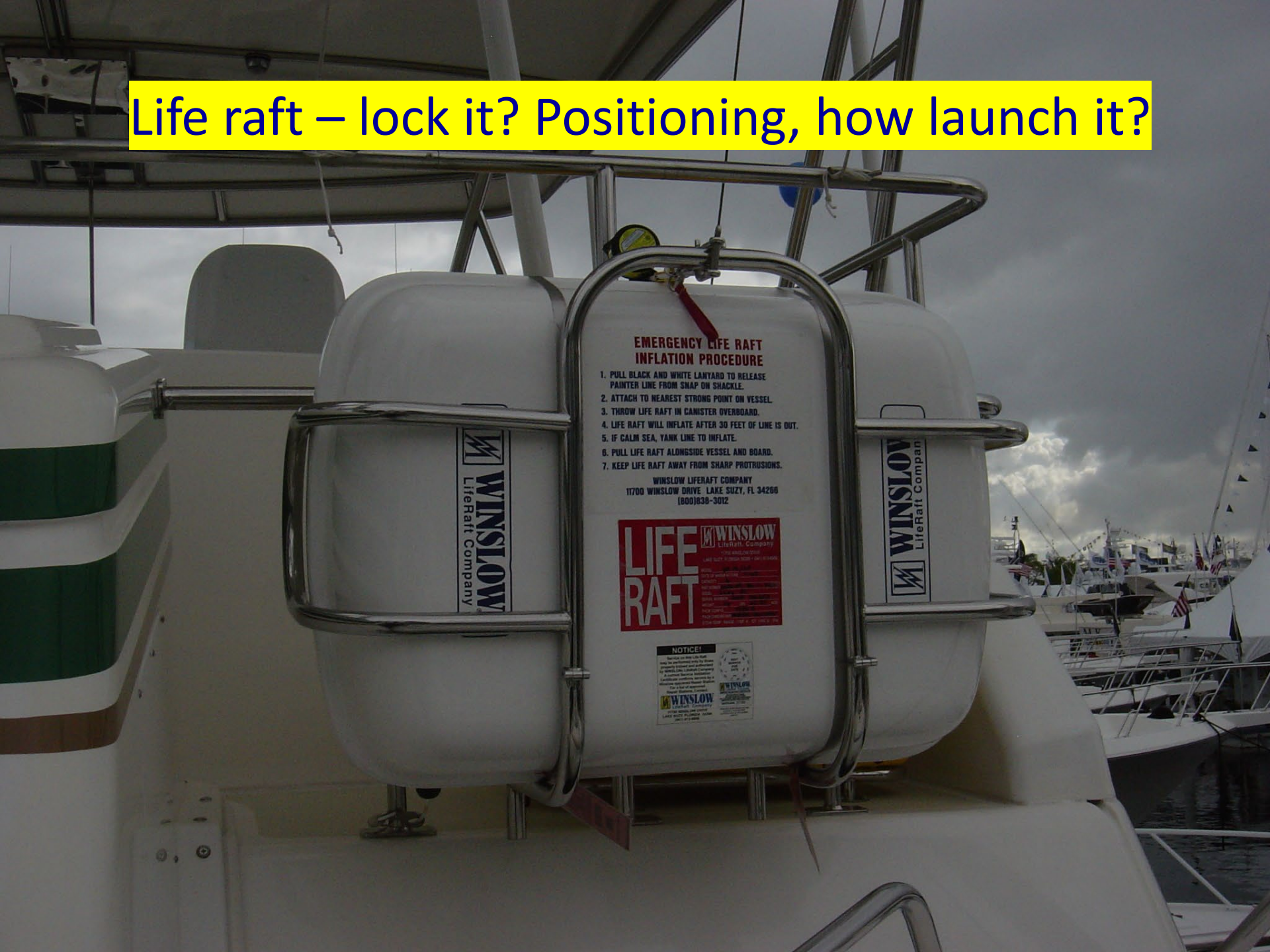
Deck and Dinghy Tips



Secure outside deck lockers



Life raft – lock it? Positioning, how launch it?



EMERGENCY LIFE RAFT INFLATION PROCEDURE

1. PULL BLACK AND WHITE LANYARD TO RELEASE PAINTER LINE FROM SNAP ON SHACKLE.
2. ATTACH TO NEAREST STRONG POINT ON VESSEL.
3. THROW LIFE RAFT IN CANISTER OVERBOARD.
4. LIFE RAFT WILL INFLATE AFTER 30 FEET OF LINE IS OUT.
5. IF CALM SEA, YANK LINE TO INFLATE.
6. PULL LIFE RAFT ALONGSIDE VESSEL AND BOARD.
7. KEEP LIFE RAFT AWAY FROM SHARP PROTRUSIONS.

WINSLOW LIFERAFT COMPANY
17700 WINSLOW DRIVE LAKE SUZY, FL 34206
(800)838-3012

LIFE RAFT

WINSLOW LifeRaft Company
17700 WINSLOW DRIVE LAKE SUZY, FL 34206
(800)838-3012

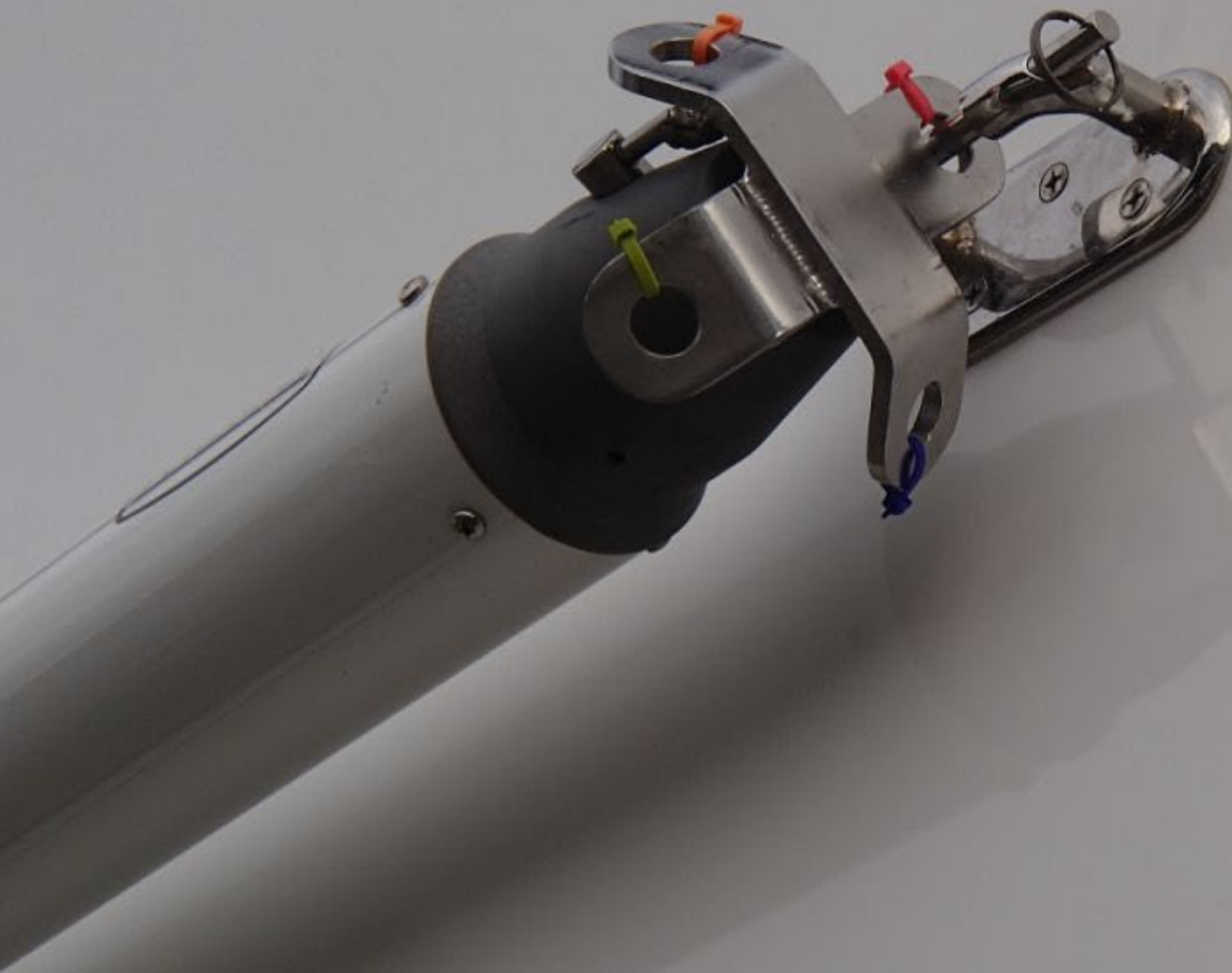
NOTICE: This life raft is designed to be used in accordance with the instructions provided by the manufacturer. It is not to be used as a life preserver or for any other purpose. It is not to be used in rough seas or in heavy weather. It is not to be used in areas of high traffic or near obstructions. It is not to be used in areas of high speed or in areas of high maneuvering. It is not to be used in areas of high risk or in areas of high consequence. It is not to be used in areas of high visibility or in areas of high contrast. It is not to be used in areas of high sound or in areas of high vibration. It is not to be used in areas of high temperature or in areas of high humidity. It is not to be used in areas of high pressure or in areas of high tension. It is not to be used in areas of high force or in areas of high impact. It is not to be used in areas of high energy or in areas of high power. It is not to be used in areas of high speed or in areas of high acceleration. It is not to be used in areas of high deceleration or in areas of high braking. It is not to be used in areas of high turning or in areas of high maneuvering. It is not to be used in areas of high risk or in areas of high consequence. It is not to be used in areas of high visibility or in areas of high contrast. It is not to be used in areas of high sound or in areas of high vibration. It is not to be used in areas of high temperature or in areas of high humidity. It is not to be used in areas of high pressure or in areas of high tension. It is not to be used in areas of high force or in areas of high impact. It is not to be used in areas of high energy or in areas of high power. It is not to be used in areas of high speed or in areas of high acceleration. It is not to be used in areas of high deceleration or in areas of high braking. It is not to be used in areas of high turning or in areas of high maneuvering.

NOTICE!

Read the use and care instructions for this life raft. It is not to be used as a life preserver or for any other purpose. It is not to be used in rough seas or in heavy weather. It is not to be used in areas of high traffic or near obstructions. It is not to be used in areas of high speed or in areas of high maneuvering. It is not to be used in areas of high risk or in areas of high consequence. It is not to be used in areas of high visibility or in areas of high contrast. It is not to be used in areas of high sound or in areas of high vibration. It is not to be used in areas of high temperature or in areas of high humidity. It is not to be used in areas of high pressure or in areas of high tension. It is not to be used in areas of high force or in areas of high impact. It is not to be used in areas of high energy or in areas of high power. It is not to be used in areas of high speed or in areas of high acceleration. It is not to be used in areas of high deceleration or in areas of high braking. It is not to be used in areas of high turning or in areas of high maneuvering.

WINSLOW LifeRaft Company
17700 WINSLOW DRIVE LAKE SUZY, FL 34206
(800)838-3012

Flopper stopper – color code line attachments



Reflective tape on flopper pole



Dinghy launch with crane – level gauge



A white crane is mounted on a grey deck with white painted lines. The crane has a cylindrical base with two black vertical marks. In the background, a white cabin structure is visible with a steering wheel and other equipment. A yellow text box is overlaid on the image.

Mark crane pick up to simplify line-up at return

Boom winch lines can be marked with a Sharpie –
Amsteel or Dyneema





Outboard skid plate

Docking Tips

- Dock lines – color code red/green
- Extra lines and chafe protection
- Surge areas – chain on cleats
- Fenders – clips on hull, fender boards
- Inflatable fenders (need air pressure)
- Fender hooks
- Shore power connections – secure?

Color markings or numbering of dock lines

Dock Lines
Short – White whipping
Medium – Red whipping
Long – Black whipping

Fender Boards



Boat Hook Ready!



Shore Water: Filter Before Adding To Tanks



Hardware store cartridges
sediment removal, charcoal –
remove impurities



Water
softener

The background of the slide is a photograph of a boat's deck at sunset. The sky is a gradient of blue and orange, with the sun low on the horizon. The water is dark with some ripples. In the foreground, there is a metal railing and some equipment on the deck.

Main Engine Maintenance Log

Handout - Nordhavn 55*

This example is for a main engine. I recommend you create an individual log for all major components: Transmissions, Generator, Windlass, Crane, Watermaker, Stabilizers, etc.

Nordhavn 55

Main Engine Maintenance Log

John Deere I Luger L1276A.2C/MG5091SC Serial # 1271-2708 :340 HP @ 1800 RPM

Fuel, Coolant (brand and gallons) Filters (air, fuel oil), Belts,
Zincs, Oil Changes

Service contact:

Engine mounts, drips/leaks

Engine mounts, shaft, stuffing box, shaft brush

Main Engine Service records

Date	Hours	Project	Comments

Note - create a separate maintenance page for ALL major equipment:

		Black holding Toilets	
		Crane or Davit	
		Engine 2 (twin or wing)	
		Fuel Log	
		Fuses and Breakers	
		Generator (s)	
		Haul out	
		Hydraulics	
		Laundry	
		Lube oil	
		Main Transmission	
		Shaft, stuffing box, propeller	
		Stabilizers	
		Steering	
		Tender and outboard	
		Thruster(s)	
		Watermaker	
		Windlass	
		Zincs	

Maintenance Log - Records

Note all purchases and upgrades

Keep receipts

Track oil changes and all service repairs

This collected information is an important record and doubles as a sales tool when you are ready to sell your boat

Handout*

**Steve D'Antonio and
Jeff Merrill Maintenance List**

Maintenance Guidelines and Recommendations

Engines and Generators

- Check engine oil, transmission fluid and coolant daily/before each use
- Change oil and filters seasonally or every 200 hrs. whichever comes first
- Change primary and secondary fuel filters seasonally, or if vacuum exceeds 5 in. hg. All primary filters should be equipped with vacuum gauges, see <https://www.proboat.com/the-vacuum-gauge-tool.html> for more on vacuum gauge selection, installation and use.
- Adjust valves per engine manufacturer's requirements (typically every 1000-2000 hrs.). <http://www.cruisingworld.com/how/keep-valve-train-track>
- Check belts monthly, replace every two years.
<http://www.cruisingworld.com/how/orderly-transfer-power>
- Check/replace air filters as needed. These should be equipped with vacuum monitors. See <http://stevedmarineconsulting.com/fuel-and-air-filter-service-protocols/>
- Pressure test cooling systems annually.
- Flush and refill cooling systems every two years or 1000 hrs. whichever comes first. Coolant should be analyzed annually.
<http://stevedmarineconsulting.com/photo-essay-may-2015/>
<http://www.cruisingworld.com/how/engine-cooling-system-tips>

PART TWO

IDEAS THAT YOU CAN USE ON YOUR TRAWLER

Trawler  Fest.

BOAT SHOW - EDUCATIONAL EXPERIENCE - RENDEZVOUS

by Jeff Merrill, CPYB
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A photograph taken from the deck of a boat, looking out over a body of water towards a suspension bridge at sunset. The sun is low on the horizon, creating a golden glow and reflecting on the water. The sky is filled with scattered clouds. The boat's railing and part of its structure are visible in the foreground on the left. Two yellow text boxes with blue text are overlaid on the image.

I hope you will say...

That's a good idea!

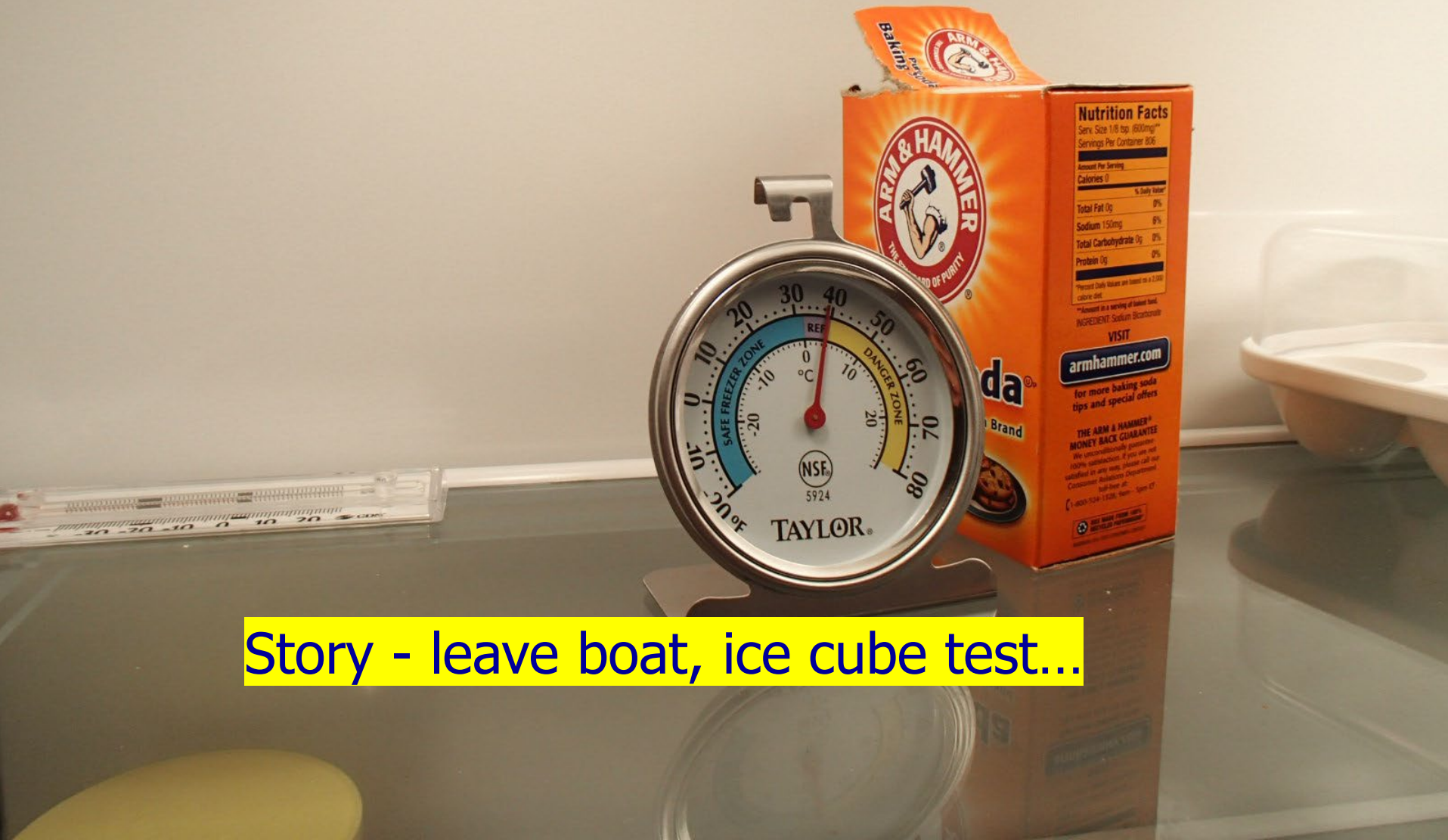
Clear plastic protects wood surfaces



Refrigerator organization – bars and tubs



Thermometer and baking soda in refrigerator



Story - leave boat, ice cube test...

Shelf levels create more storage space



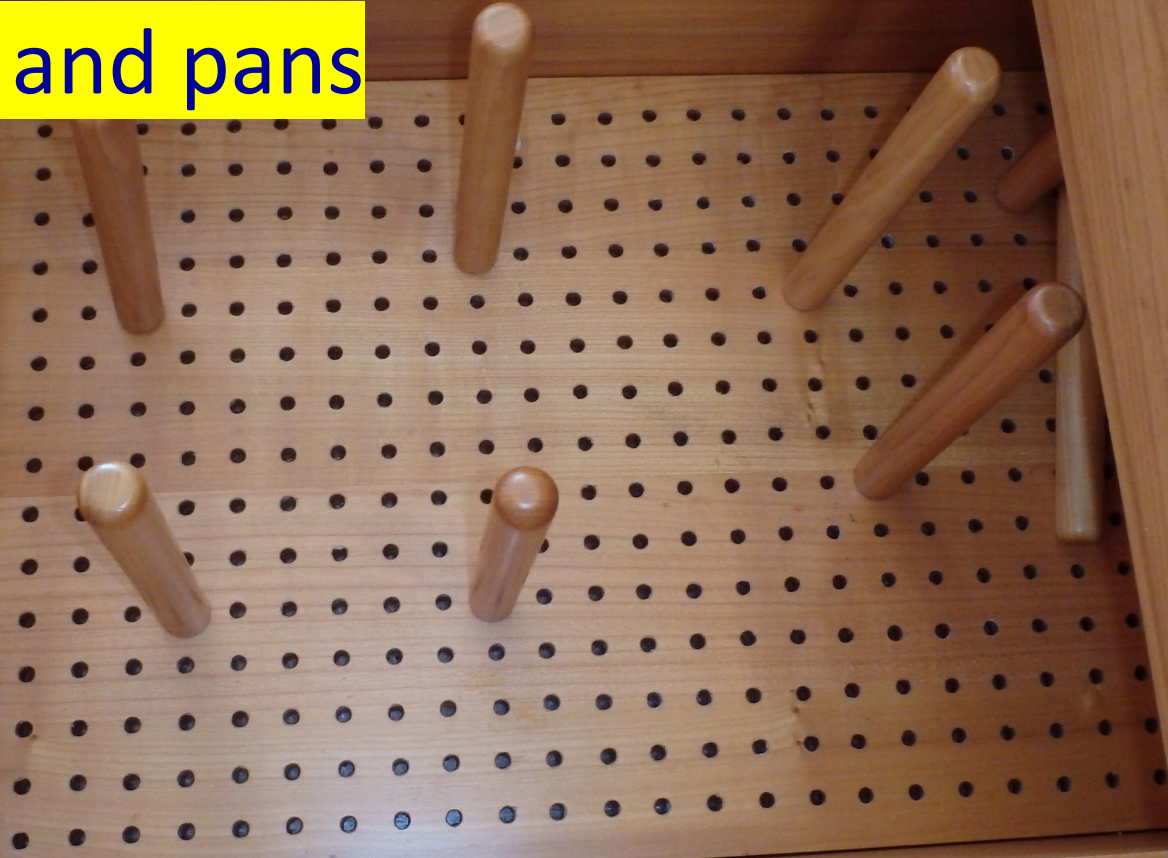


Soft rubber mesh protects



Peg system for plates and bowls

Kadey-Krogen peg system for
pots and pans





Organized home style drawer caddy



Clear tubs for storage



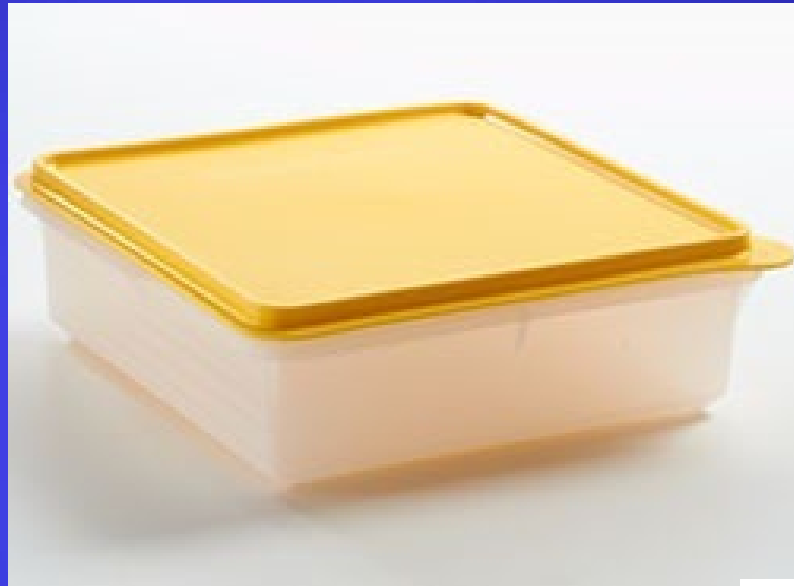
Storage bins "Lock and Lock"



Really Useful Boxes



Loose Parts Bin (you'll identify where it goes later)





Dust buster small vacuum

(Kelp flies story)

Swiffer Sweeper Vacs are great for wood floors



Squeegee and Shower Spray

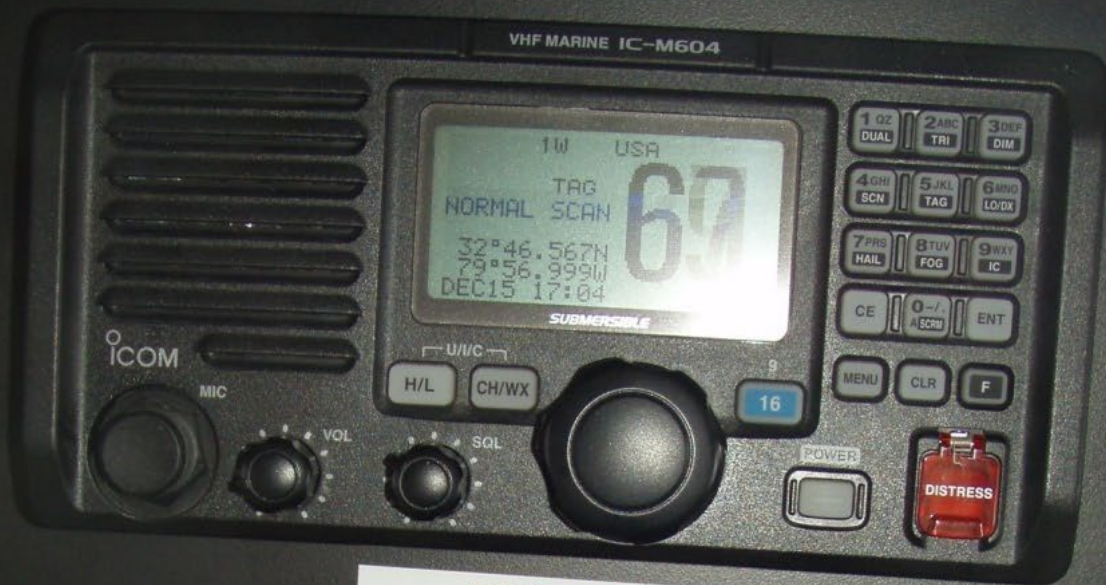


Suction cup caddy



Helm area suggestions





WDE 4988

VHF call sign label

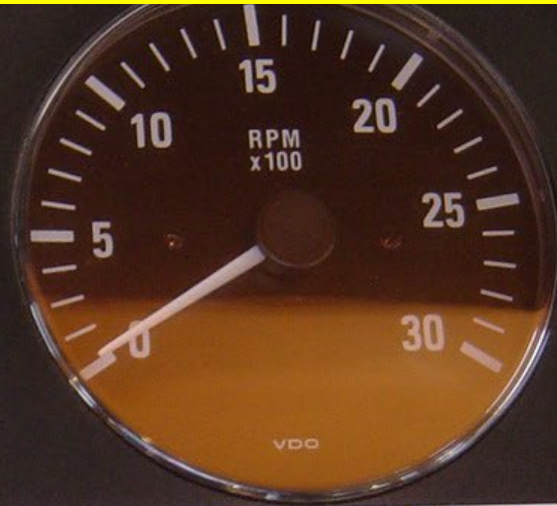




Keep your display screens clean

- SET 2200 RPM ON WING ENGINE
- PRESS "START" (GREEN) ON BOW THRUSTER KEYPAD; pump will whine and discharge stb'd. side, aft
- PRESS "STOP" (RED) ON KEYPAD WHEN BILGE IS EMPTY; Repeat as necessary while locating water entry.

Quick reference "norms"



WARM/COOL AT 1000 RPM



Control panel with various indicators and buttons:

- Water level indicator (wavy lines)
- Water pump indicator (water drop)
- Light indicator (light bulb)
- STOP button
- Rotary switch with 'I' and 'C' positions

WIPAC

MAIN



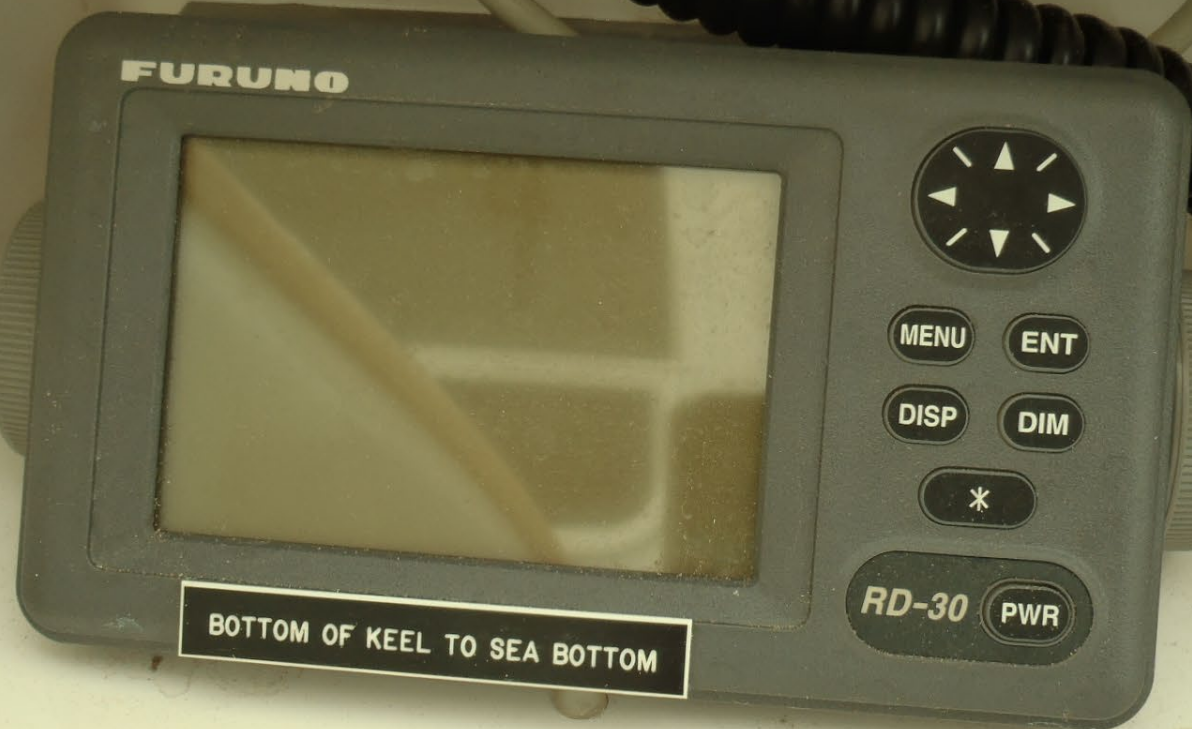
LOA 61 FT
BEAM 17 FT
DRAFT 6 FT
HEIGHT 24 FT
ANCHOR MARKS 25 FT

LOA, Beam, Draft, Bridge clearance

M.V. JODA

DRAFT	5.0'	1.525 m
LOA	48.5'	14.75 m
BEAM	16.75'	5.10 m
DISPL.	56,200 lbs	
WATER	540 USG	2,044 L
FUEL	1,038 USG	3,945 L
MAST	30' 4"	9.2 m

What depth are you reading?



Inland, River reminders

1 WHISTLE

HEAD ON PORT TO PORT

OVERTAKING BOAT PUTTING SLOWER BOAT TO PORT

2 WHISTLES

HEAD ON STBD TO STBD

OVERTAKING BOAT PUTTING SLOWER BOAT TO STBD

Detail tape to segment electrical panel



Color code dots – ON/OFF – Day/Night



DEPTH SO



WIND SPEED



WEATHER FAX



HOLDING TANK PUMP



GRAY WATER PUMP

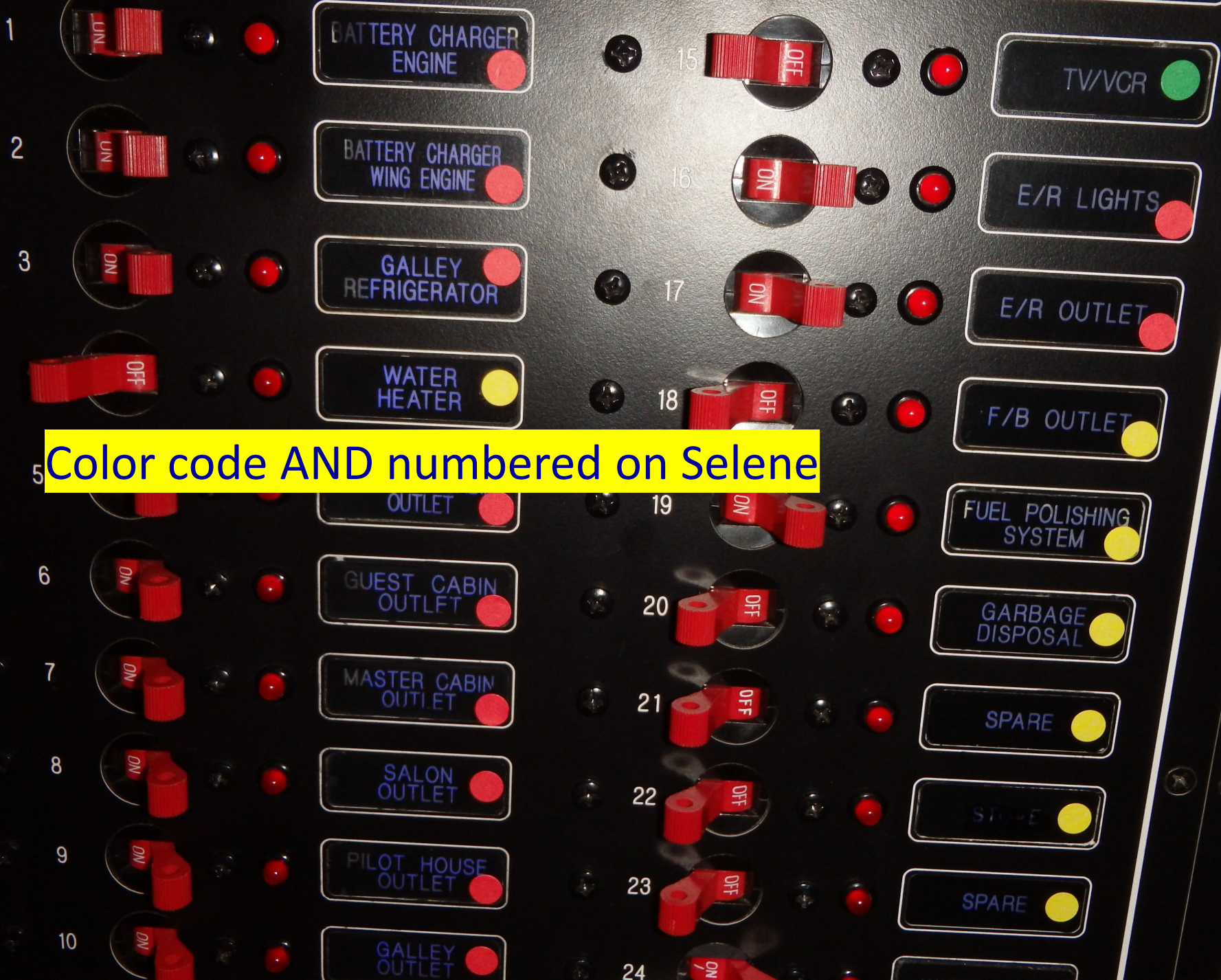
BILGE PUMP

AUTO/MANUAL

UAL

HOLDING TANK

1/4



Color code AND numbered on Selene

Toggle guards on "permanent" breakers

INVERTER

FWD

AMIDSHIPS

TS AFT

ETS PILOT HOUSE

NE ROOM LIGHTS

/STEREO

4V CHARGER



GALLEY FRIDGE/FREEZE

EXHAUST STACK COOLING

P/H CHEST FREEZER

WASH COMPACTOR

MICROWAVE / SALON TV

STOVE TOP IGNITER

GARBAGE DISPOSAL

WATERMAKER

E / ROOM BLOWERS





Binocular rack

Drink holders



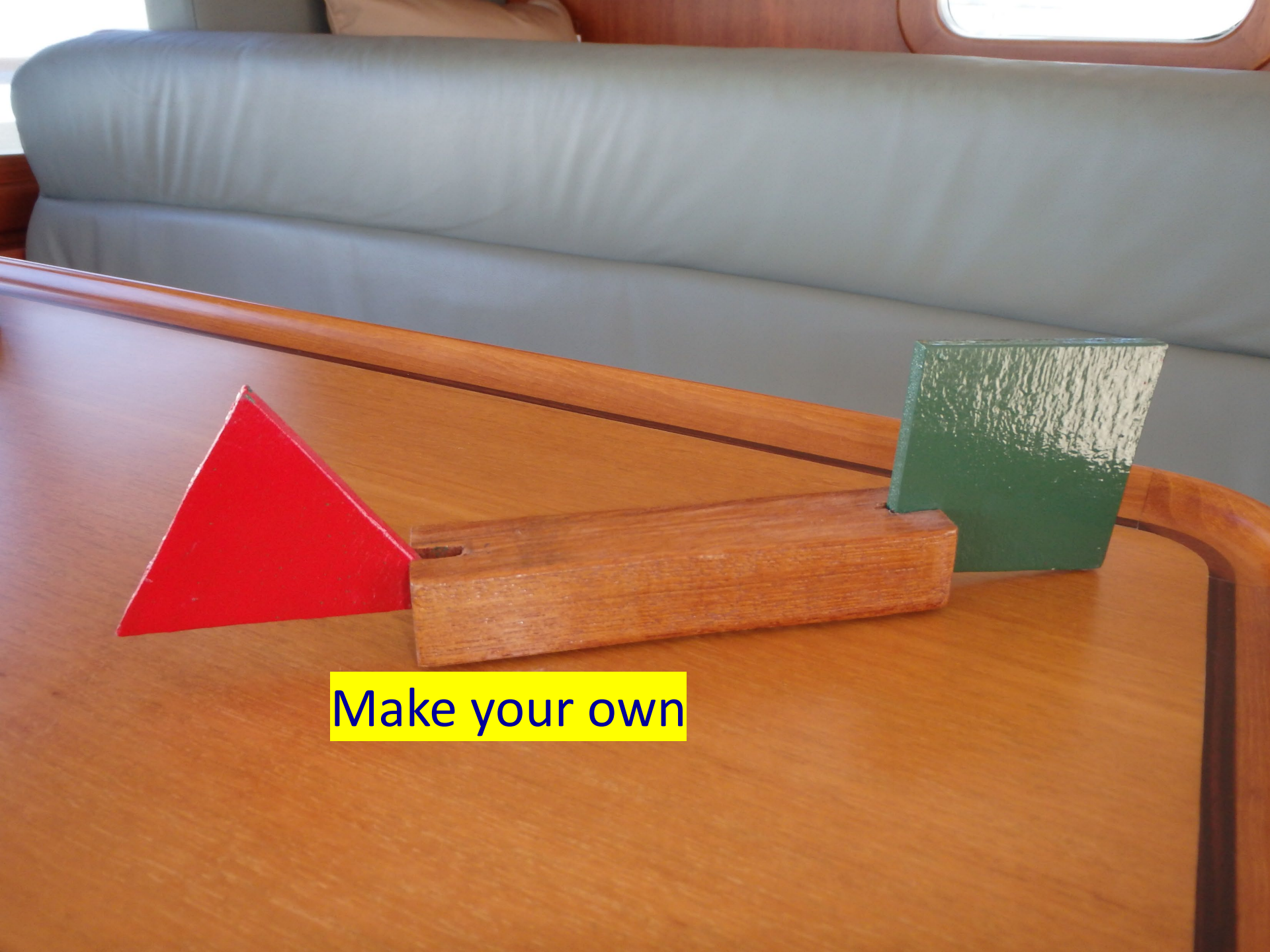


Portable caddy for important "stuff"

Channel buoy reminder

Easily reversible!





Make your own

When you depart,

leave yourself a reminder...

Three Hull Closed !!

Gen

Wing

Water Maker

Start Charger - OFF

A man wearing a blue short-sleeved shirt with a white floral pattern, khaki shorts, and red earplugs is inspecting a white engine in an engine room. He is leaning over a stainless steel railing, holding a white cloth and a black tool. The engine is a large, white, industrial unit with various pipes and components. The background shows more of the engine room, including a green container and a white sink.

Engine Room Inspection Tips

Infrared Temperature Gun

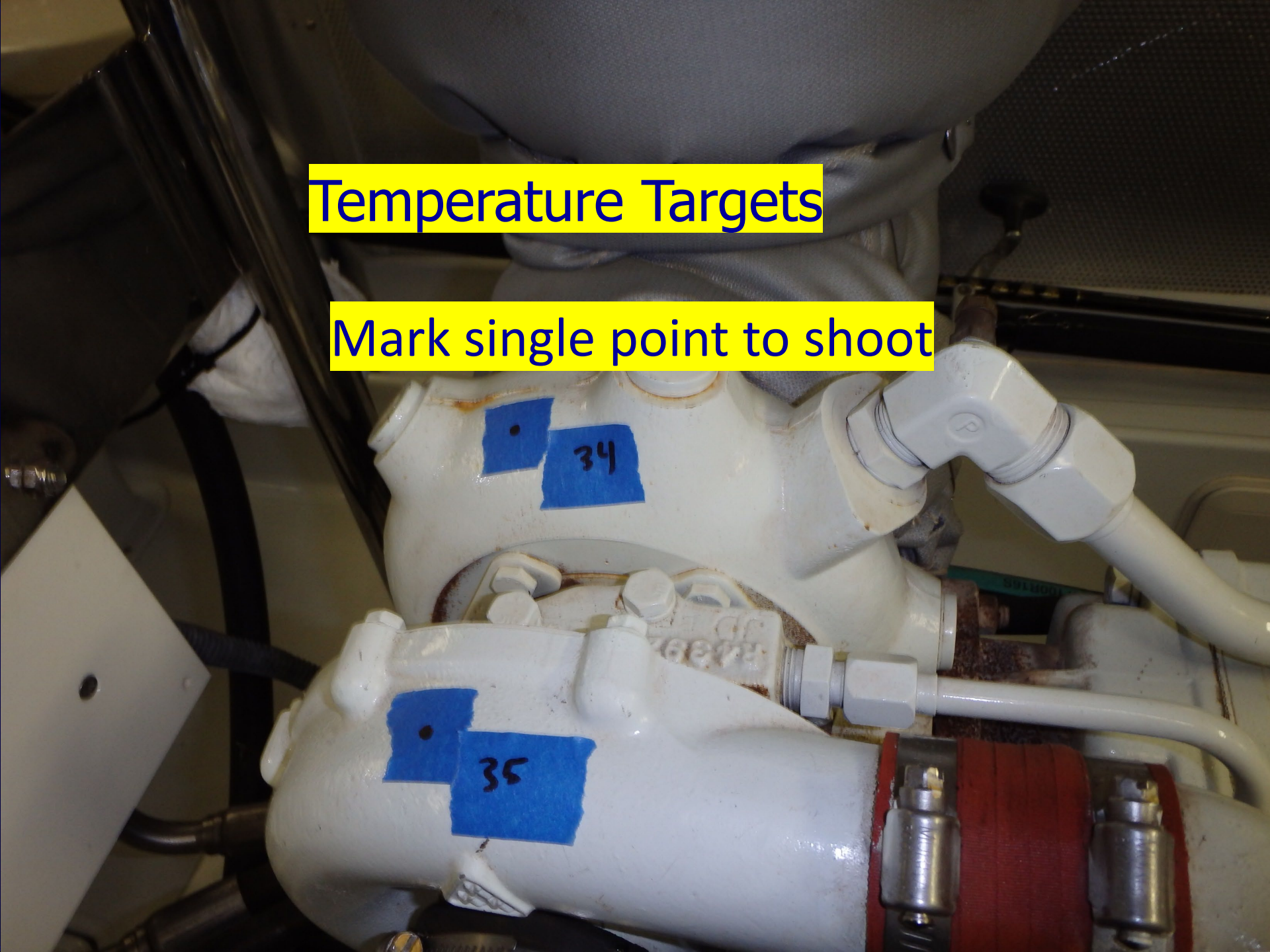


Temperature Targets

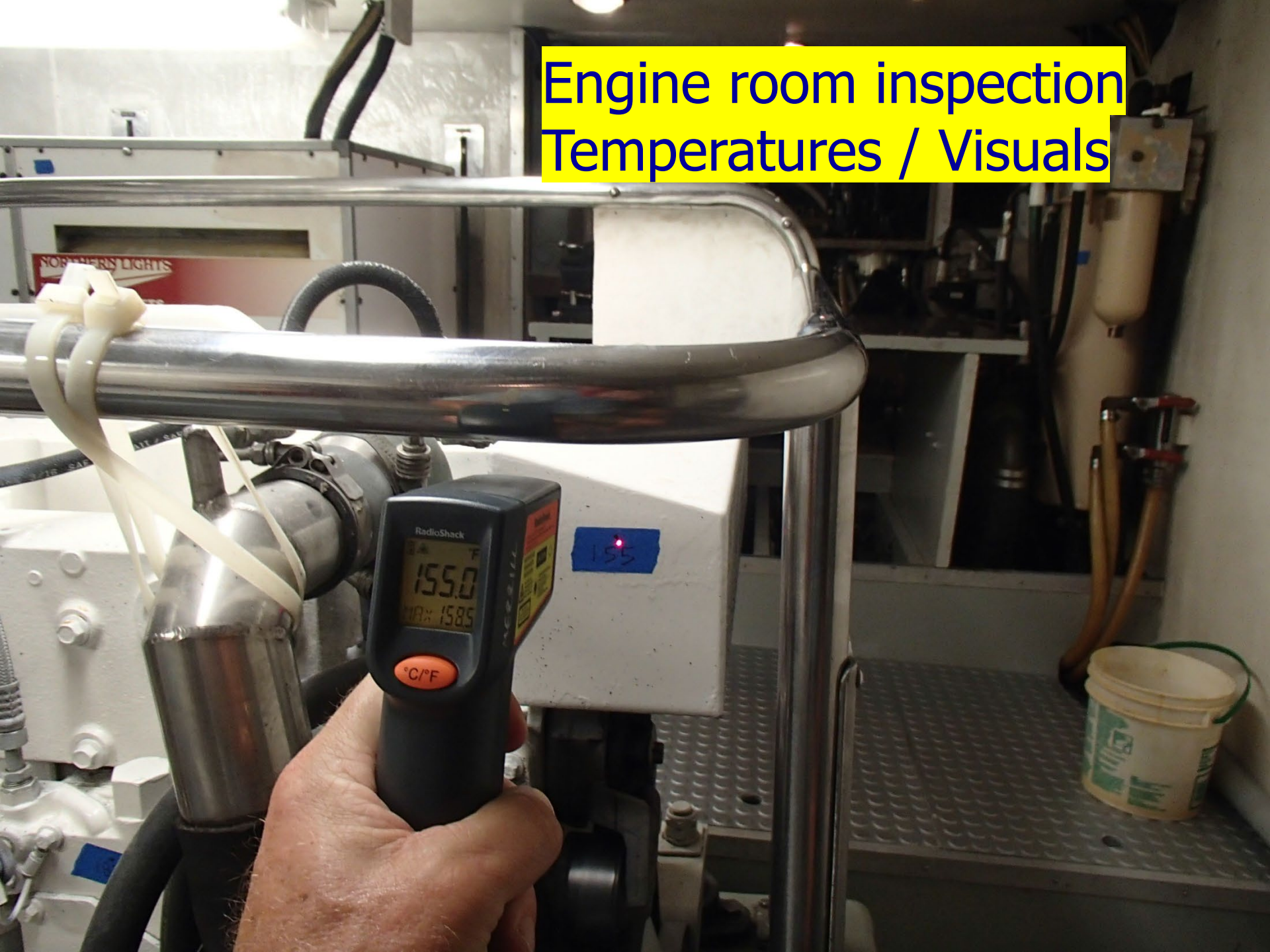
Mark single point to shoot

34

35



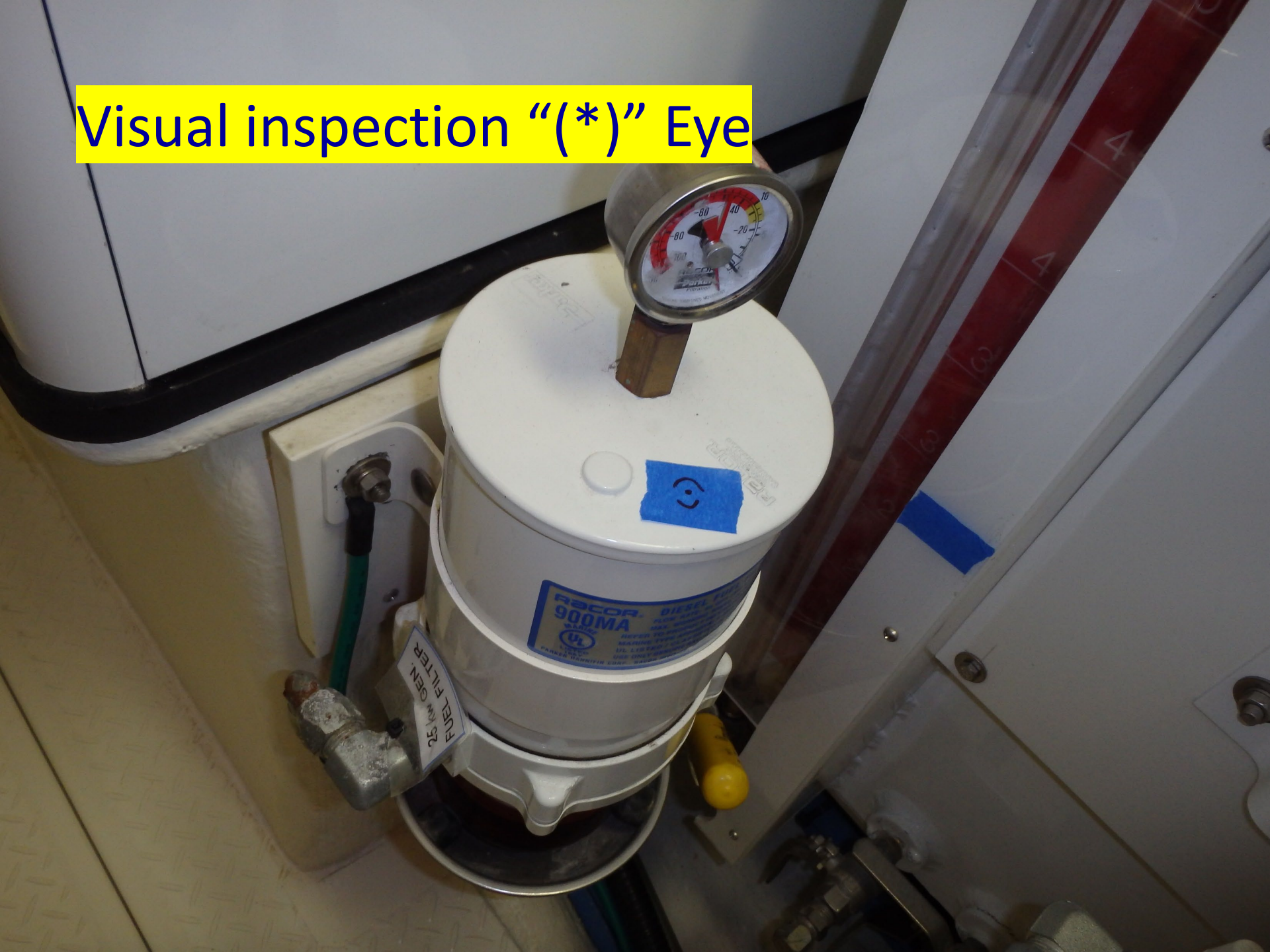
Engine room inspection Temperatures / Visuals

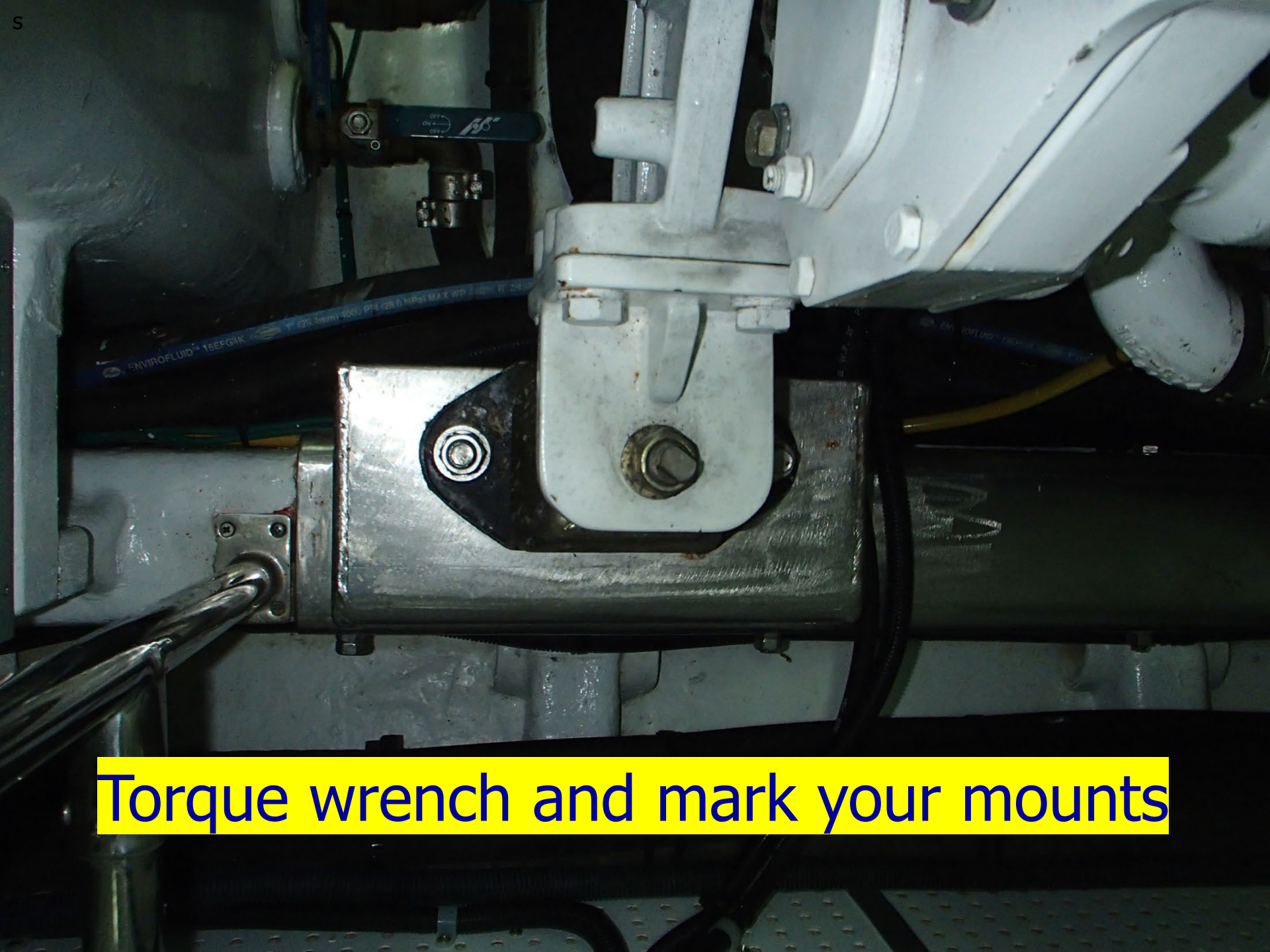


Hold Gun 2 – 6" away



Visual inspection “(*)” Eye





Torque wrench and mark your mounts

engine
13
mounts



Bilge
16
Level

PROUDLY

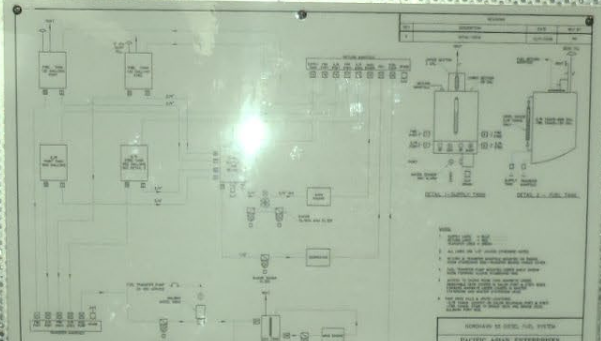
CLARK

SNUGGED DOWN
ALL ENGINE MOUNT.

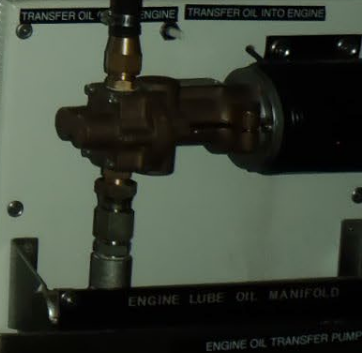
13 SEPT 13

3/4" WRENCH.

STBD

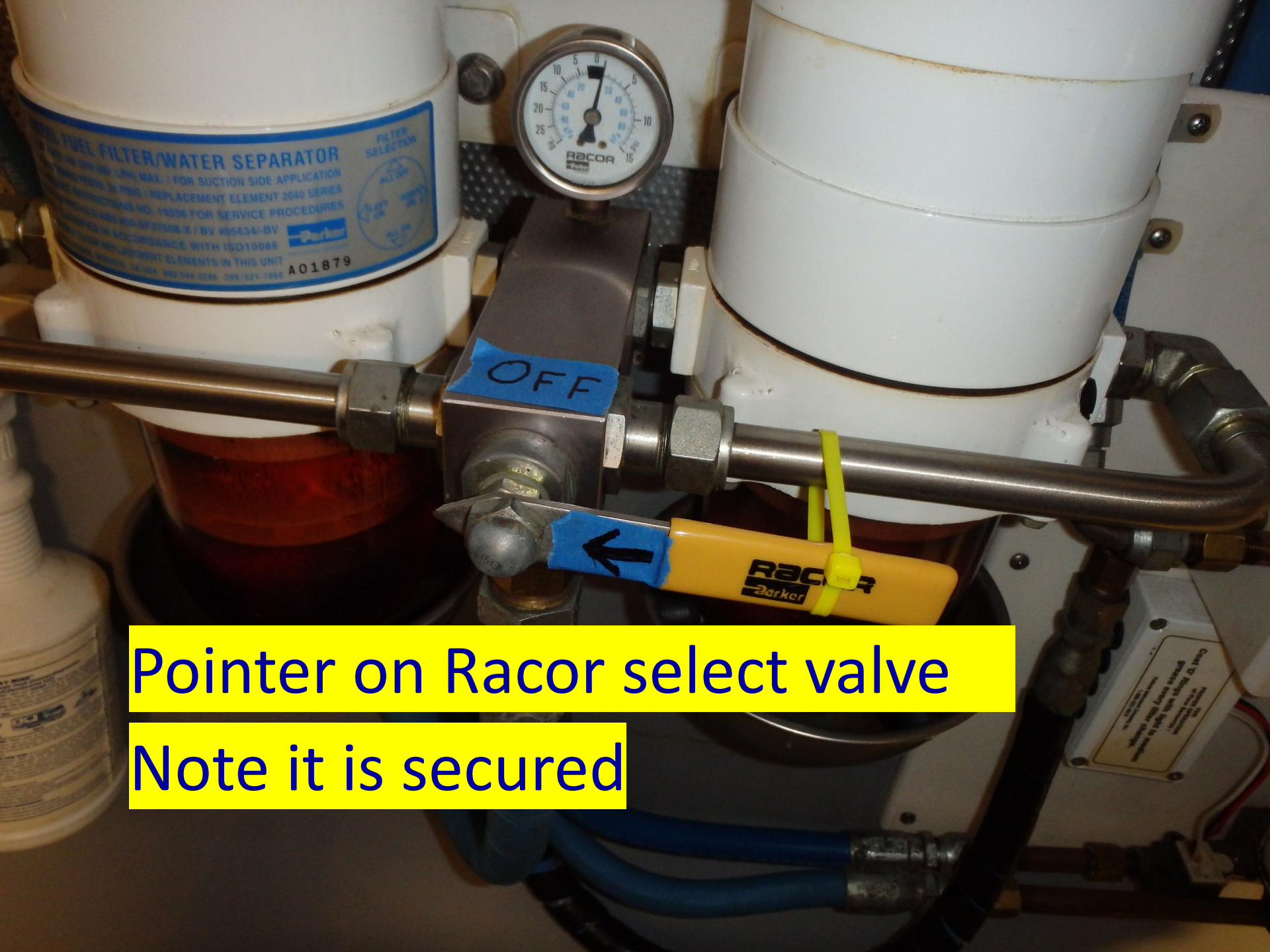


Laminated fuel diagram by manifold





The sharp end points to desired bowl



Pointer on Racor select valve

Note it is secured

Velcro straps so valve handle isn't bumped



Replacement sizes and hours noted

RACOR 500MA
FOR SUEZION SIDE AND REFER TO PRODUCT FOR MARINE TYPE APPROVALS
UL LISTED CLASSIFICATION: MARINE TYPE APPROVALS
UL LISTED CLASSIFICATION: MARINE TYPE APPROVALS

6 KW
10 Micron
782 Hrs



MARINE WET EXHAUST & WATER HOSE • 250°F (120°C) MAX.
SAE J2006 • LLOYDS APPROVED CERT. 02/69802 2904

#250-1120
1-1/2" (38mm)

TRIDENT-FLEX

RACOR 500MA
FOR SUEZION SIDE AND REFER TO PRODUCT FOR MARINE TYPE APPROVALS
UL LISTED CLASSIFICATION: MARINE TYPE APPROVALS
UL LISTED CLASSIFICATION: MARINE TYPE APPROVALS

12 KW
10 Micron
187 Hrs



MARINE WET EXHAUST & WATER HOSE • 250°F (120°C) MAX.
SAE J2006 • LLOYDS APPROVED CERT. 02/69802 2904

TRIDENT-FLEX

#250-1120
1-1/2" (38mm)

Color code multiple tank valves



Nail polish or red Sharpie to mark Zincs





Mark fuel filter for bleeding

22 •

WARNING
ON ANY ENGINE WITH AN
CONTROLLED FUEL SYSTEM

FUEL FILTER
SEPARATOR
51005

NORTHERN

JG

FILTER @ 1700 HRS
14 APRIL 2015

LUGGE
NORTHERN

A close-up photograph of a white ceramic toilet flush valve assembly. The central component is a vertical ceramic stem with a red primer lever attached to its side. The lever is a curved, teardrop shape. The stem is mounted on a white ceramic base. To the right, there is a white ceramic component with a hexagonal opening. In the background, a black plastic component with some text is visible. The overall scene is dimly lit, focusing on the mechanical parts of the toilet.

And primer lever

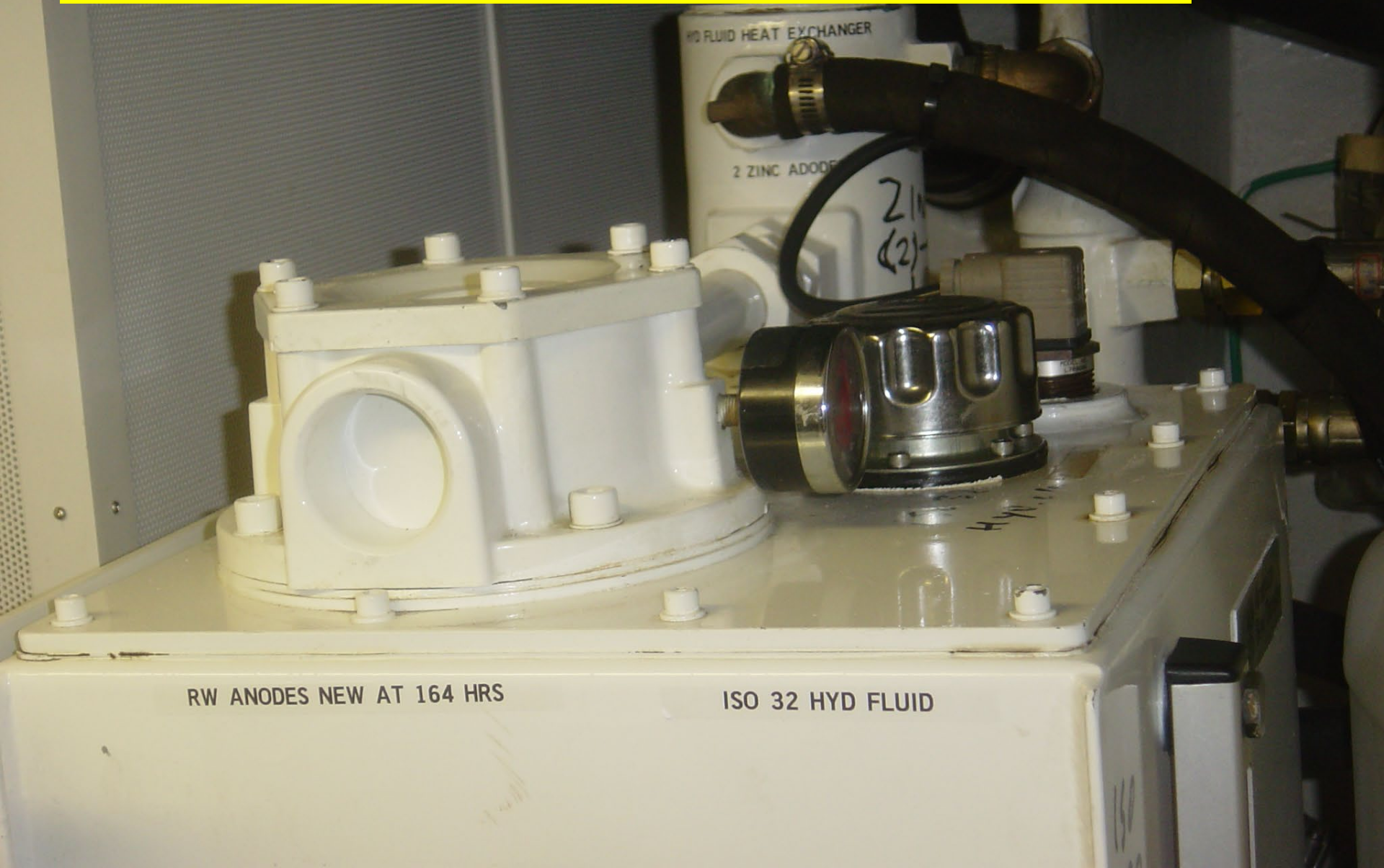
Potential trouble, will your muffler drain?



Install a drain valve



Anodes (pencil zincs) and hydraulic oil weight





Coolant over flow catcher



DELO 400 15W-40

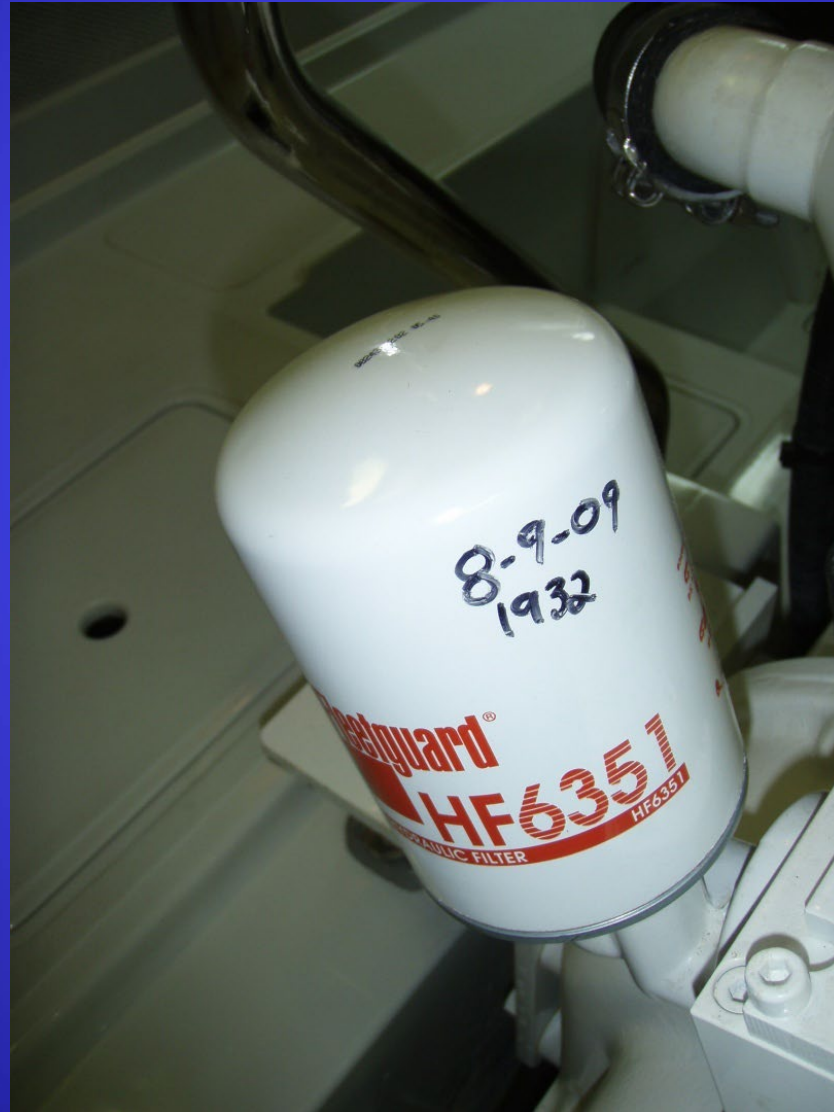
4 GALLONS

Brand of oil, viscosity weight and quantity.

Make it easy!

ATTENTION
SEE OWNERS MANUAL

Label filters to track changes



BILGE PUMP
POWER SOURCE
(50A FUSE)

FROM STBD. ENG.
ISOLATOR TO
CHARGE HOUSE
BANK (60A FUSE)

FROM PORT ENG.
ISOLATOR TO
CHARGE HOUSE
BANK (60A FUSE)

Identify fuses, carry spares

POR

Secure spare fuse near active one



Replacement at location



HOUSE BATTERY FUSE



Stuffing box wrench caddy





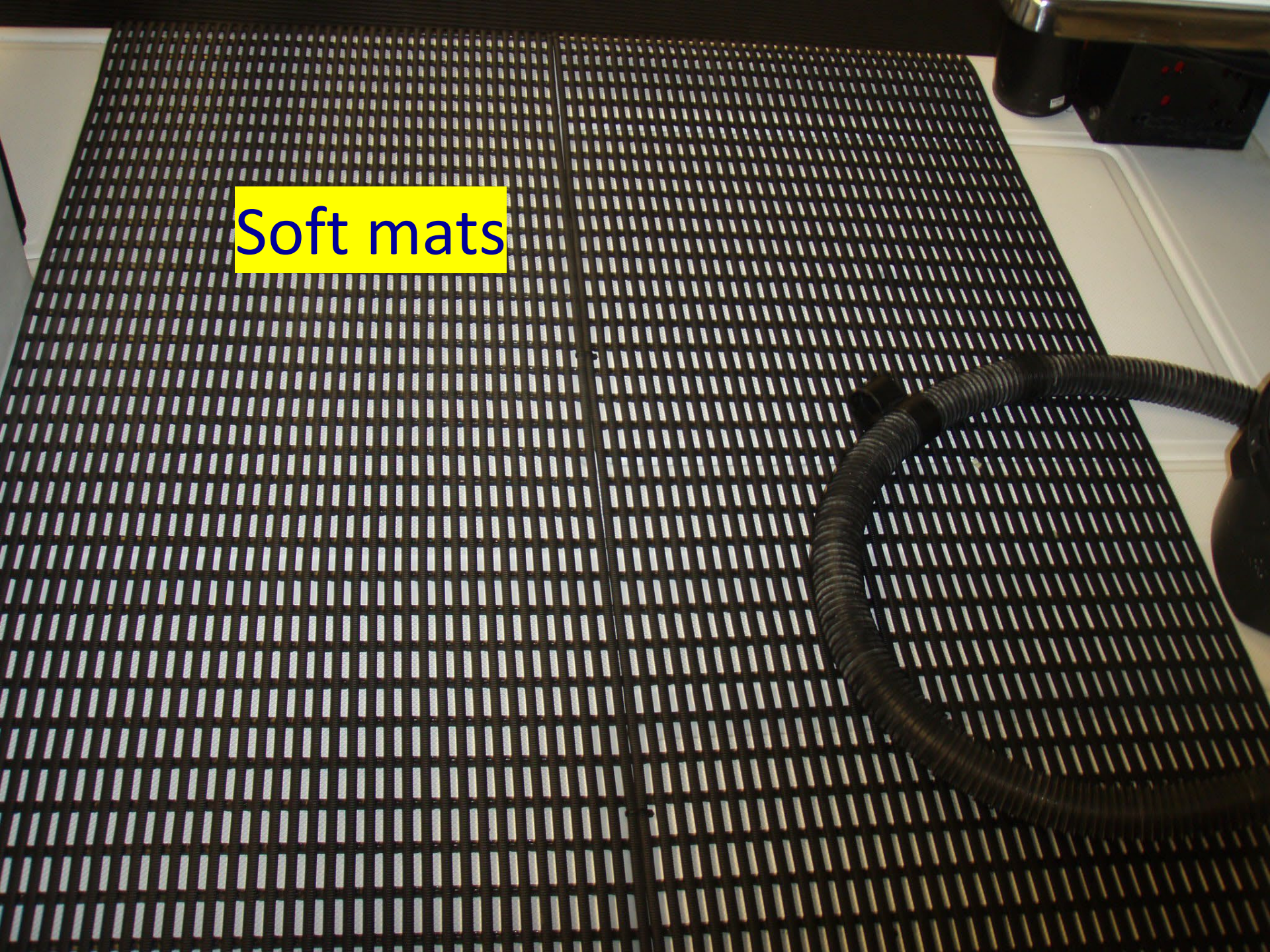
Cleaning
spray
bottles
ready



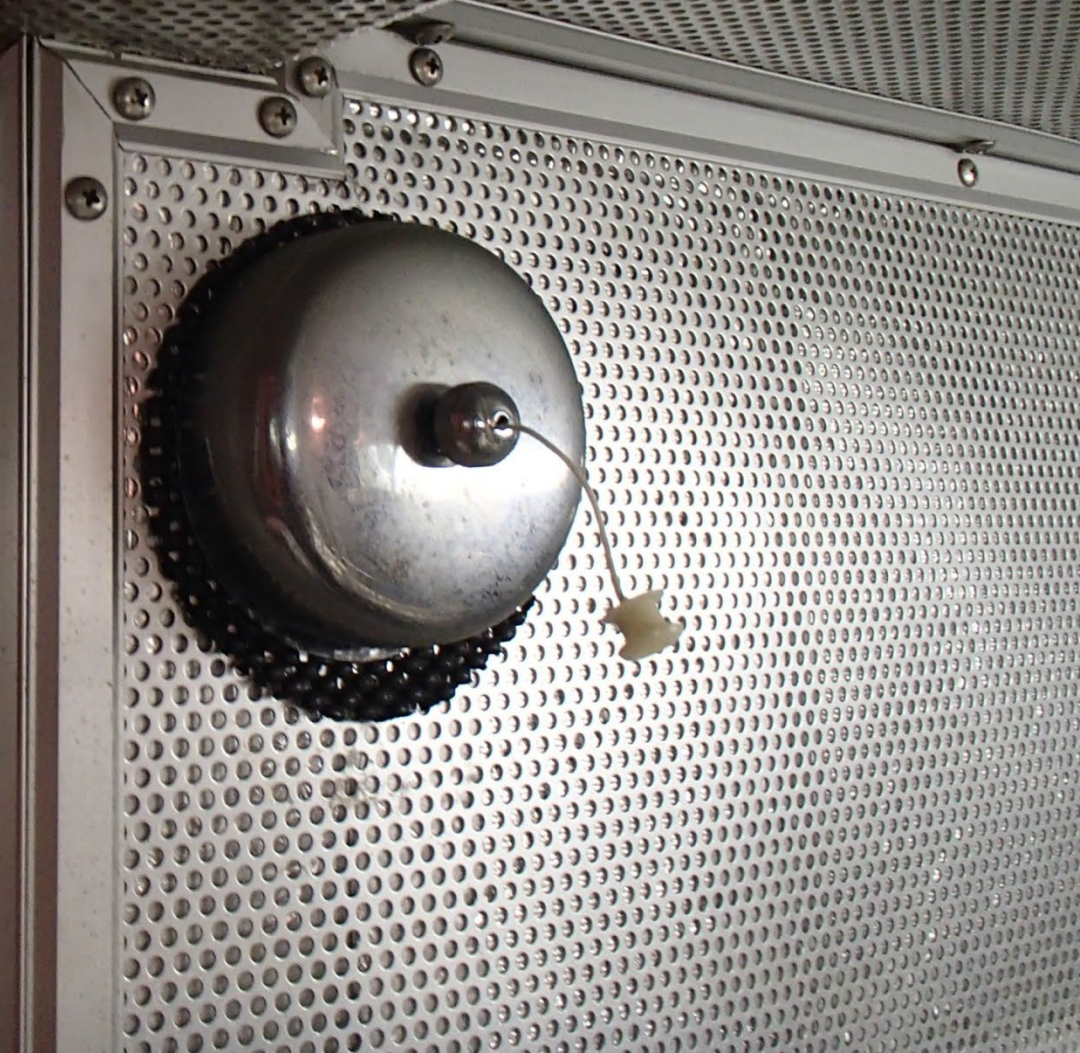
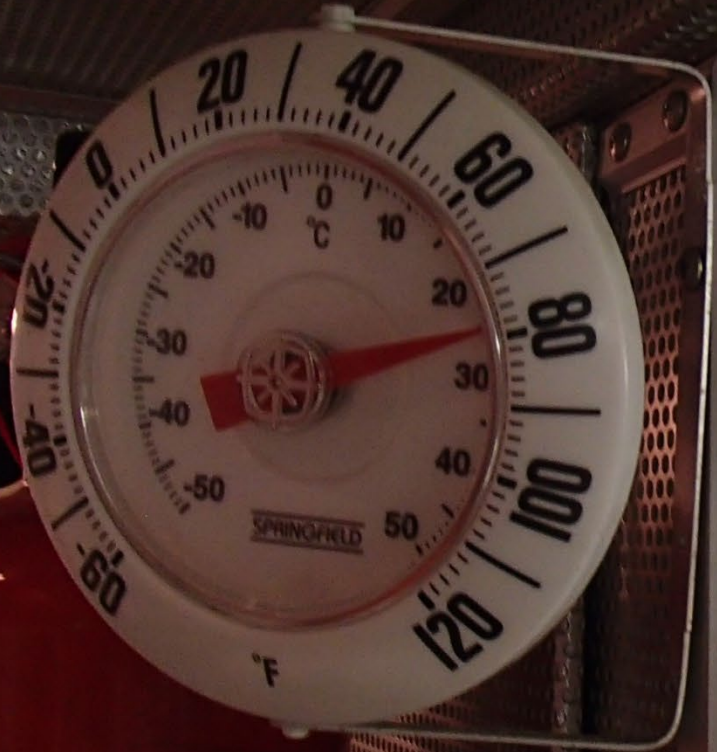
A blue plastic bucket is shown with a silver metal tap attached to its rim. The tap has a circular handle and a spout. The bucket is placed next to a metal mesh screen, likely part of a laboratory or industrial equipment. The text "Fresh water tap and bucket" is overlaid on the image in a yellow box.

Fresh water tap and bucket

Soft mats



Engine room temp and clothes line





Cleaning product shelf

A blue, woven mesh bag is shown, designed for use with through hull bungs. The bag is rectangular and has a central opening. It is attached to a white surface, likely a boat hull, via three circular bungs. The bag is made of a fine, blue mesh material. A yellow text box is overlaid on the center of the bag.

Suction mesh bag for through hull bungs



Zippered pillow bag for engine diapers

Get out there and have fun!



A sunset over a body of water, with a boat's railing visible in the foreground. The sky is dark with a bright orange glow from the setting sun, reflecting on the water's surface. The overall mood is serene and contemplative.

Questions? Other ideas?

PS - I am always on the hunt looking for other ideas, if you have any recommendations please let me know.

Email : Jeff@JMYS.com

A sunset over the ocean with a yellow text box in the top left corner. The sun is low on the horizon, casting a golden glow across the sky and reflecting on the water. The sky is filled with scattered clouds, some of which are illuminated by the setting sun. The water is dark blue with small waves.

Thank you!

Dial-In-Your-Trawler series PDF on www.JMYS.com