



BOATING SAFETY CIRCULAR

INSIDE THIS ISSUE:

- Visit the U.S. Coast Guard at the 2022 International Boat Builder's Exhibition & Conference in Tampa, FL. 1
- Electric Propulsion 1
- New Point of Contact for Manufacturer's Identification Codes 3
- What is a Substantial Risk Safety Defect? 3
- Boating Safety Circular Index 2000 — 2022 7
- Recalls 10



Visit the U.S. Coast Guard at the 2022 International Boat Builder's Exhibition & Conference in Tampa, FL.



The Recreational Boating Product Assurance Branch will be hosting a booth (Booth #3-2034) at the 2022 IBEX show from September 27th - 29th. The booth staff will be available to answer questions and educate show attendees on USCG requirements for recreational boats and how to comply with them.

About IBEX

The world's leading technical boat-building showcase, IBEX delivers a unique forum where the marine industry can do business, share ideas, and accelerate new product development. Keep connected to the products, technology, people, and training that are advancing the industry. ■

About the Recreational Boating Product Assurance Branch

Responsible for developing, maintaining and enforcing recreational boat manufacturing safety regulations, Branch staff attend IBEX every year to educate IBEX attendees on Coast Guard requirements. Valuable information for builders, including the Boat Builder's Handbook, educational videos and Coast Guard policies may be found at www.safeafloat.com. Additional boating safety information may be found at www.uscgboating.org.

Boating Safety Circular

The *Boating Safety Circular* is a product of the United States Coast Guard's Office of Auxiliary and Boating Safety — Boating Safety Division — Recreational Boating Product Assurance Branch, Commandant (BSX-23), 2703 Martin Luther King Jr Ave SE, Stop 7501 Washington, DC 20593-7501
Email: rbscompliance@uscg.mil

The *Boating Safety Circular* is for information only. No Federal Statutes or Regulations are established or changed in this circular.

<https://safeafloat.com/boat-builders-handbook/>
www.uscgboating.org
www.safeafloat.com



Electric Propulsion

Electric boats are poised to occupy significant space in the recreational boating market and the Coast Guard Recreational Boating Product Assurance Branch is seeing that through a significant increase in inquiries concerning electric boats. As the recreational boat manufacturing federal regulations were written nearly 50 years ago and conceived primarily to mitigate

vapor explosions from inboard gasoline engines, they do not adequately address the risks this new technology poses. Until such time that the federal regulatory process can catch up to emerging technologies, it is important to leverage policy and voluntary consensus standards to bridge the gap between published federal regulations and the risks associated with new technology.



facebook

U.S. Coast Guard Boating Safety is on Facebook; check us out at [Facebook.com/USCGBoating Safety](https://www.facebook.com/USCGBoatingSafety).

Continued from page 1

This is critically important to reduce impacts on the pace of development and still have some assurance that appropriate mitigation strategies are being implemented.

The Coast Guard has recently published CG-BSX-23 Policy Letter 22-02, *Safe Loading, Safe Powering and Flotation Compliance Guidance for Electrically Powered Recreational Vessels*. This policy establishes regulatory guidance for recreational vessels less than 20 feet in length that use batteries for primary propulsion. The policy does not issue new guidance to mitigate the risks associated with electric propulsion; it simply offers interpretation on how to apply Safe Loading, Safe Powering, and Flotation regulations found in 33 CFR Subchapter S, as batteries are heavier than traditional internal combustion engines and can employ weights in locations that may not be consistent with traditional design. The policy can be found in the Policy section of the Boat Builder's Tool Kit on the safeafloat.com website at <https://safeafloat.com/policies-letters/>.

Some of the policy highlights include:

33 CFR Subpart B – Display of Capacity Information

- Electrically powered recreational vessels that meet the maximum horsepower display requirements found in 33 CFR 183.23 may be determined as propeller shaft HP using SAE-J228, *Marine Propulsion Engine and Systems – Power Measurement*; or ISO 8665; *Small Craft – Marine Propulsion Reciprocating Internal Combustion Engines – Power Measurement and Declarations*.
- Adding the Statement “For Electrical Propulsion” to the marking requirement set forth in 33 CFR 183.25(b)(1) and (2) meets the intent found in 33CFR 183.23.
- The capacity plate should display the actual weight of the electric outboard used (if applicable).

33 CFR 183 Subpart C – Safe Loading

- To comply with 33 CFR 183.35, the weight of all batteries and the battery management system (BMS), if they are separate from the outboard motor, should be included in boat weight.
- To comply with 33 CFR 183.33, boat weight and machinery should be used as written with the weight of the batteries and BMS included as machinery weight.

33 CFR 183 Subpart D – Safe Powering

- Maximum horsepower should meet 33 CFR 183.53(a) or (b).

33 CFR 183 Subpart F – Flotation and Safe Loading Requirements – Outboard Motor and Related Equipment Test Weights.

- The manufacturer should use the actual weights of the installed electric outboard and components as opposed to the weights found in the table found in 33 CFR 183.75.

While the Coast Guard is considering new federal regulations to mitigate risks associated with electric propulsion, at the time of publishing, a regulatory project has not been initiated. The American Boat & Yacht Council (ABYC) has recently published a voluntary standard, E-13, Lithium Batteries, which does address hazards associated with electric propulsion. The Coast Guard recommends that builders consider this standard when building recreational boats with electric propulsion systems.

CG-BSX-23 Policy Letter 22-02 was recently published in the Federal Register under Docket No. USCG-2022-0259, and we encourage you to submit comments, or related material, to the docket no later than November 9, 2022. Comments can address the guidance set forth in the policy, or address electric propulsion in general, and should provide reasoning behind each suggestion or recommendation. Comments should be submitted via the docket at <http://www.regulations.gov>. If this is not possible, comments can be submitted directly to Kevin Ferrie at kevin.b.ferrie@uscg.mil. ■

“The Coast Guard has recently published CG-BSX-23 Policy Letter 22-02, Safe Loading, Safe Powering and Flotation Compliance Guidance for Electrically Powered Recreational Vessels.”

Welcome Aboard to Our New Point of Contact for Manufacturer's Identification Codes

Chief Warrant Officer (CWO) Timothy Rafter reported to the Recreational Boating Product Assurance Branch in August 2022. In his previous assignment he was the Commanding Officer of the Coast Guard Cutter Terrell Horne in San Pedro, CA. CWO Rafter enlisted in the Coast Guard in 1999 and has served aboard four Coast Guard Cutters and four small boat units prior to his assignment to Coast Guard Headquarters. He will be the recreational boat manufacturer's primary point of contact for everything related to Manufacturer's Identification Codes (MIC), including issuance and maintenance, such as the mandatory updating of contact information for MIC holders.

With over 22 years of experience responding to emergencies on the water and promoting safe boating practices, safety has always been a top priority for CWO Rafter. In addition to providing MIC-specific assistance, CWO Rafter's primary responsibilities will be to ensure that each prospective recreational boat manufacturer or importer in the United States is aware of the current Federal



regulations in place to ensure the utmost safety of each American that seeks the enjoyment found in recreational boating.

You can email all MIC application requests and questions to MICAPP@uscg.mil. This ensures prompt delivery and establishes a "trail" by which to track submissions and responses.

Please stop by our booth at IBEX (# 3-2034) to meet CWO Rafter and other team members. ■

“He will be the recreational boat manufacturer’s primary point of contact for everything related to Manufacturer’s Identification Codes (MIC),....”

What is a Substantial Risk Safety Defect?

The Coast Guard authority to recall recreational vessels is found in 46 USC 4310 and 33 CFR 179. With this authority, the Coast Guard's Recreational Boating Product Assurance Branch oversees recalls for the regulated items found within this section. However, the Coast Guard also has the authority to conduct recalls for “substantial risk safety related defects.”

The Recreational Boating Product Assurance Branch determines a substantial risk safety defect exists if the following criteria are met:

- a. The hazard must occur virtually without warning - an obvious risk or normal wear and tear does not normally create the basis for a defect;
- b. The defect must occur with some frequency - one isolated occurrence usually does not constitute the basis for a finding of a defect; and
- c. The defect must clearly present the risk of death or serious injury.

When a safety defect report is received, it is assigned a case number and is investigated to see if it is a case of

Continued from page 3

“Not all defects are considered safety related in nature.”

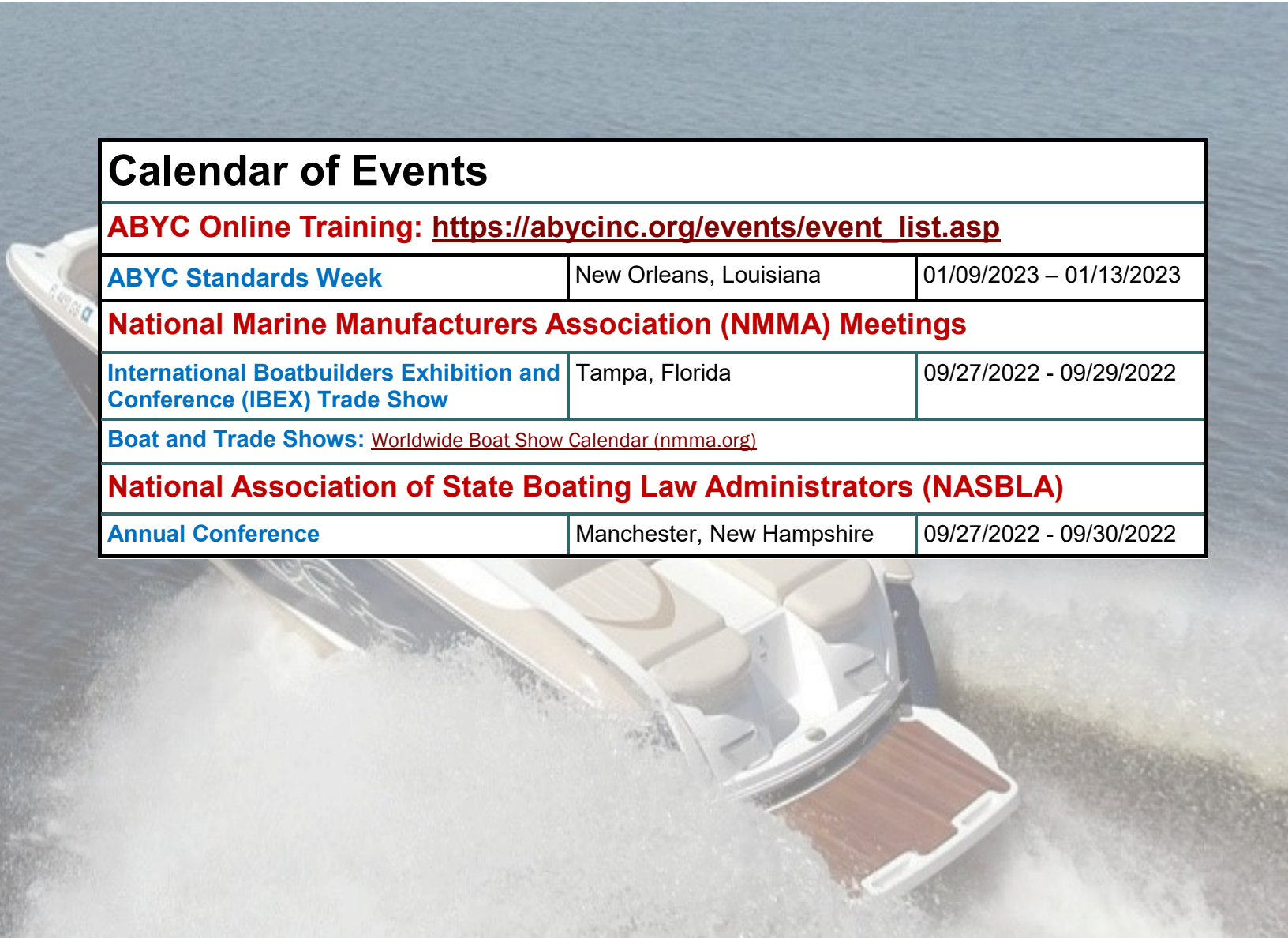
noncompliance with 33 CFR Subchapter S or if it is a potential substantial risk safety defect. Not all defects are considered safety related in nature. If a consumer is having a quality-control issue, then the Coast Guard will simply forward the report to the manufacturer for their handling. If it is determined that the reported defect is a case of noncompliance with Coast Guard safety regulations or rises to the level of a substantial risk safety defect, then the Coast Guard may require the manufacturer to conduct a recall campaign. The Coast Guard determines if the defect is a substantial risk safety defect. While the Coast Guard understands consumer concern about perceived defects, especially if the manufacturer is not perceived by the consumer to be taking action, the Coast

Guard's decision about defect handling requires extreme care and due diligence. A recall has to be safety related and can be extremely costly.

There may be times when an issue may meet some of the criteria for a substantial risk safety defect but may not meet the “occurrence with some frequency” requirement. In these cases the Coast Guard will open a case file for future reference to see if other defect reports are filed in order to build a record to support the determination of “frequent.” This is why accurate and timely accident reports and safety defect reports are necessary. The Coast Guard requires data to support its’ decision-making process. In the absence of data, the Coast Guard may have to defer taking action.

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Calendar of Events		
ABYC Online Training: https://abycinc.org/events/event_list.asp		
ABYC Standards Week	New Orleans, Louisiana	01/09/2023 – 01/13/2023
National Marine Manufacturers Association (NMMA) Meetings		
International Boatbuilders Exhibition and Conference (IBEX) Trade Show	Tampa, Florida	09/27/2022 - 09/29/2022
Boat and Trade Shows: Worldwide Boat Show Calendar (nmma.org)		
National Association of State Boating Law Administrators (NASBLA)		
Annual Conference	Manchester, New Hampshire	09/27/2022 - 09/30/2022



Websites of Note:

uscgboating.org - U.S. Coast Guard's Boating Safety Division

[Facebook.com/USCG Boating Safety](https://www.facebook.com/USCGBoatingSafety) - U.S. Coast Guard Boating Safety

safeafloat.com - Recreational Boating Product Assurance Branch Boat Building Compliance Website

abycinc.org - American Boat and Yacht Council

nmma.org - National Marine Manufacturers Association

nasbla.org - National Association of State Boating Law Administrators (NASBLA)

Emails of Note:

rbscompliance@uscg.mil - for all manufacturer inquiries except for MICs

rbsinfo@uscg.mil - for general boating safety questions

MICAPP@uscg.mil - for all inquiries related to manufacturer's identification codes (MIC)

TypeApproval@uscg.mil - for all inquiries about equipment and materials that receive Coast Guard approval (life jackets, visual distress signals, inflatable life rafts, etc.)

Boating Safety Circular Index 2000 — 2022

Boat Building

Are you Building a Canoe or a Power Driven Vessel?..... Fall 2020, Issue 95

Boat Kits

Kit Boat Manufacturers and Coast Guard Safety Standards and Regulations..... December 2013, Issue 87

Kit Boat Manufacturers and CG Standards..... March 2007, Issue 85

Backyard Boat Builders

Backyard Built Boats; Things You May Not Know..... Spring 2016, Issue 89

Carbon Monoxide

Boating and Carbon Monoxide Poisoning a Dangerous Combination..... August 2008, Issue 86

Carbon Monoxide Brochure January 2004, Issue 84

Carbon Monoxide Hazard Mitigation Revisited..... Fall 2014, Issue 88

Coast Guard Advisory On Carbon Monoxide Hazard Caused By Generator Exhaust Gas Accumulations August 2008, Issue 86

Decals ABYC and NMMA Carbon Monoxide Warning Decals..... March 2001, Issue 82

Certification

Does the Coast Guard Certify Boats?..... Spring 2016, Issue 89

Citations/Violations

Notice of Violation..... Fall 2014, Issue 88

Summary of MIBS 2019 Inspection Citations by Type..... Spring 2019, Issue 92

Compliance Program

Compliance Testing Policy Guidelines..... September 2003, Issue 83

Factory Visit Program..... January 2004, Issue 84

Recreational Boat Factory Visit March 2001, Issue 82

Recreational Boat Factory Visit Program..... December 2013, Issue 87

Recreational Boat Testing and Compliance Program..... Fall 2014, Issue 88

Update on Recreational Boat Factory Visit Program..... September 2003, Issue 83

When the USCG Buys Your Boat for Testing..... Spring 2021, Issue 96

Electric Boats

The Coast Guard and ABYC Announce Virtual Forum to Discuss

Issues Related to Electric Boats..... Fall 2021, Issue 97

Engines

Is a gasoline outboard kicker too much horsepower?..... Spring 2017, Issue 90

Exemptions

Grant of Exemption: An Overview Spring 2017, Issue 90

Frequently Asked Questions

FAQs for Engine Cut Off Switches, Manufacturers Identification Codes and

Navigation Lights..... Fall 2021, Issue 97

Flotation

Best Manufacturing Practices in Quality Controls for Flotation Foam in

Recreational Vessels..... Spring 2022, Issue 98

Fuel

Fuel Tank Pressure Test ≠ Fuel System Pressure Test..... Spring 2021, Issue 96

Pain in the Gas..... March 2007, Issue 85

Hulls

Bare Hulls; What Are They?..... December 2013, Issue 87

Boats vs. Bare Hulls..... March 2007, Issue 85

Hull Identification Number (HIN)

Country of Origin Codes and HINs..... September 2003, Issue 83

Final Rule: Country of Origin Codes and HINs..... Spring 2019, Issue 92

HINs for Racing Vessels..... Spring 2019, Issue 92

Verification of Hull Identification Number..... Fall 2014, Issue 88

Importer

Responsibility of a Recreational Boat Importer.....	Spring 2016, Issue 89
Sale of Foreign-Built Boats by Importers.....	December 2013, Issue 87

Labels

Capacity Label 101 — Back To The Basics.....	Spring 2019, Issue 92
Certification Label Requirements.....	Spring 2020, Issue 94
Proper Capacity Label Placement.....	Spring 2020, Issue 94

Management

Case Management.....	Spring 2019, Issue 92
Coast Guard Conducting Study to Improve Nation’s Shallow Draft Waterways ATON System.....	Fall 2020, Issue 95
New Email.....	Spring 2022, Issue 98
Remote Fuel Delivery Grant.....	Fall 2020, Issue 95

Manufacturers Identification Code (MIC)

Coast Guard Manufacturer Identification Code Database.....	December 2013, Issue 87
Manufacturer ID Codes.....	March 2007, Issue 85
Manufacturer Identification Code (MIC) Data.....	August 2008, Issue 86
New Point of Contact for Manufacturer’s Identification Codes.....	Fall 2018, Issue 91

Navigation Lights

Final Rule; Certification of Navigation Lights.....	September 2003, Issue 83
Manufacturer’s Responsibilities for Obstructed Navigation Lights	Spring 2021, Issue 96
Navigation Lights, The rules are for your safety.....	Spring 2016, Issue 89
Recreational Boat Manufactures: Subpart M-Navigation Lights.....	March 2007, Issue 85
Sidelight Sector Illumination.....	Fall 2020, Issue 95

Office of Boating Safety

Departure of Mr. Lou Novak.....	Spring 2021, Issue 96
Mr. Po Chang Retires from BSX-23.....	Fall 2020, Issue 95
Now Hiring!.....	Spring 2021, Issue 96
Personnel Changes in the Office of Auxiliary & Boating Safety and the Recreational Boating Product Assurance Branch.....	Spring 2021, Issue 96
Two New Engineers Join the Recreational Boating Product Assurance Branch....	Fall 2021, Issue 97

Personal Flotation Device (PFD)

Belt Pack Inflatable PFD Tests (1).....	January 2004, Issue 84
Belt Pack Inflatable PFD Tests (2).....	January 2004, Issue 84
Lifjacket Approval Harmonization.....	Fall 2018, Issue 91

Propeller Guard

Propeller Guard Test Procedure Report	December 2013, Issue 87
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Regulatory

Frank LoBiondo Coast Guard Authorization Act of 2018.....	January 2004, Issue 84
Model Year.....	Fall 2018, Issue 91
Mudboat and Airboat Flotation Exemption to End.....	Spring 2022, Issue 98

New Engine Cut-Off Switch Law Goes Into Effect on April 1, 2021.....	Spring 2021, Issue 96
Safe Loading and Flotation Regulations.....	December 2013, Issue 87
Updated Outboard Engine Weights.....	Fall 2018, Issue 91

Safety

After 31 December 2006 Boaters Must Not Operate 121.5/243 MHZ EPIRB.....	March 2007, Issue 85
Alternatives to Pyrotechnic Distress Signals.....	Fall 2018, Issue 91
Coast Guard Infoline Termination.....	August 2008, Issue 86
Conducting Drills For Your Kids.....	Spring 2017, Issue 90
Don't Build a Boat without Them.....	Spring 2020, Issue 94
Hull Reflective Stripe Can Save Lives.....	Fall 2014, Issue 88
My Boat is Defective...or is it?.....	Spring 2017, Issue 90
National Boating Safety Advisory Council.....	Fall 2018, Issue 91
News from CPSC.....	August 2008, Issue 86
Switlik Liferaft Inflation System Defect.....	August 2008, Issue 86
We've Got an App for That.....	Spring 2016, Issue 89

Texas Flats Boats

Shallow Water Boats Including Texas Flats Boats Stability Study Update.....	Spring 2016, Issue 89
Texas Flats Boat Stability Study.....	Fall 2014, Issue 88

Ventilation

Openings in Ventilation Systems.....	March 2007 Issue 85
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Recalls

2022

WHITE RIVER MARINE GROUP LLC

Campaign # 22MF0188
 Year: 2018-2022
 Model(s): Targa V19, Ranger VX
 Problem: Electrical

LEISURE PROPERTIES LLC

Campaign # 22MF0129
 Year: 2021
 Model(s): 330SY, 350SY, 335SS
 Problem: Electrical

SEA FOX BOAT COMPANY INC

Campaign # 22MF0111
 Year: 2019
 Model(s): 180 - 268 Series
 Problem: Battery Charger / Electrical

VOLVO PENTA

Campaign # 22MF0337
 Year: 2022
 Model(s): Side Mount Control System
 Problem: The safety lanyard might under certain rare circumstances not work as intended due to hardware tolerances inside the control lever that are too wide vs. the software setting, to determine if the lanyard is attached or detached.

YAMAHA MOTOR CORP USA

Campaign # 22MF0350
 Year: 2021, 2022
 Model(s): F200JET1L, 200LET1XF, 225LET1L,
 F250QET1L, F250RET1X outboards
 Problem: Engine

VOLVO PENTA

Campaign # 22MF0035
 Year: 2021
 Model(s): D8, D11, D13 and D16 engines
 Problem: The safety lanyard might under certain rare
 circumstances not work asintended due to that the hardware
 tolerances inside the control lever.

VOLVO PENTA

Campaign # 22MF0034
 Year: 2021
 Model(s): D8, D11, D13 and D16 engines
 Problem: Software issue involving the Helm
 Control.

KAWASAKI MOTORS CORP USA

Campaign # 22MF0029
 Year: 2020, 2021, 2022
 Model(s): JT1500RLF, JT1500RMFNN and
 JT1500RNFNN
 Problem: Front Hatch Cover

WHITE RIVER MARINE GROUP LLC

Campaign # 22MF0005
 Year: 2022
 Model(s): Various
 Problem: Electrical

2021**VOLVO PENTA**

Campaign # 21MF0504
 Year: 2021
 Model(s): Various Models
 Problem: Fuel System

VOLVO PENTA

Campaign # 21MF0505
 Year: 2021
 Model(s): Various Models
 Problem: Fuel System

VOLVO PENTA

Campaign # 21MF0506
 Year: 2021
 Model(s): Various Models
 Problem: Fuel System

YAMAHA MOTOR CORP USA

Campaign # 21MF0508
 Year: 2021
 Model(s): Various Models
 Problem: Engine

FREEDOM ELECTRIC MARINE INC

Campaign # 21CG0026
 Year: 2021
 Model(s): Twin Troller X10
 Problem: Capacity Label

MERCURY

Campaign # 21MF0546
 Year: 2021
 Model(s): MotoGuide
 Problem: GPS Issue

WHITE RIVER MARINE GROUP LLC

Campaign # 21CG0035
 Year: 2022
 Model(s): TAHOE T18
 Problem: Flotation

VOLVO PENTA

Campaign # 21MF0213
 Year: N/A
 Model(s): Various
 Problem: Transfer case may not have correct torque

YAMAHA MOTOR CORP USA

Campaign # 21MF0343
 Year: 2021
 Model(s): KPT/KXT1800
 Problem: Fuel System

RHINO MARINE INC

Campaign # 21CG0014
 Year: 2021
 Model(s): 14 Lil Bull
 Problem: Capacity and Flotation

RANGER BOATS

Campaign # 21MF0381
 Year: 2021
 Model(s): Ranger 622
 Problem: Fuel System

DOMETIC

Campaign # 21MF0428
 Year: 2021
 Model(s): Various Models / Fuel Pump
 Problem: Fuel pump leak

STARCRAFT

Campaign # 21CG0023
 Year: 2022
 Model(s): Stealth 166 DC
 Problem: Capacity Label

VOLVO PENTA

Campaign # 21MF0507
 Year: 2021
 Model(s): R0040 Schrader Valve
 Problem: Fuel System

YAMAHA MOTOR CORP USA

Campaign # 21MF0509
 Year: 2022 and 2021
 Model(s): TX1800A (AR190), TX1800B (SX190), TP1800A (AR195), TP1800B (SX195), TP1800C (195S), UX1800A (190FSH SPORT), UX1800B (190 FSH DELUXE), UP1800A (195 FSH SPORT), UP1800B (195 FSH DELUXE), KXT1800A (252 FSH SPORT) AND KPT1800A (255 FSH SPORT E) BAOTS
 Problem: Fuel System

MERCURY — MOTOGUIIDE

Campaign # 21MF0547
 Year: 2021
 Model(s): N/A
 Problem: GPS system

VOLVO PENTA

Campaign # 21MF0560
 Year: 2021
 Model(s): Various Models
 Problem: Control Lever, neutral interlock could be abnormally sluggish to operate or even get stuck in the unlocked position.

VOLVO PENTA

Campaign # 21MF0561
 Year: 2021
 Model(s): Various Models
 Problem: The neutral interlock could be abnormally sluggish to operate or even get stuck in the unlocked position

WHITE RIVER MARINE GROUP LLC

Campaign #: 21MF0574
 Year: 2022-2021
 Model(s): Bass Tracker Classic, Bass Buggy 16, Bass Buggy 18, Fishing Barge 20, Fishing Barge 22, Fishing Barge 24, Super Guide V16, Super Guide V165, Pro Team 175, Pro Team 190, Pro Team 195, and Pro 170
 Problem: Seat

YAMAHA MOTOR CORP USA

Campaign # 21MF0575
 Year: 2021
 Model(s): GP1800A-W (GP1800R SVHO), GP1800B-W (GP1800R HO), VX1050A-W (VX LIMITED), VX1050B-W / VX1050C-W (VX CRUISER), VX1050D-W / VX1050E-W (VX DELUXE), VX1050F-W (VX), VX1800A-W (VX LIMITED HO), AND VX1800B-W / VX1800C-W (VX CRUISER HO) WAVERUNNERS
 Problem: Engine shut-off switch

SEA HUNT BOAT MFG CO INC

Campaign # 21MF0577
 Year: 2022
 Model(s): Ultra, BX and GameFish
 Problem: Fuel System

VOLVO PENTA

Campaign # 21SD0005
Year: No model year
Model(s): D3, D4, D6, V6, and V8 engines
Problem: Lanyard Safety Strap Housing

LIPPET

Campaign # 21MF0212
Year: No model year
Model(s): N/A
Problem: Seat

SEA PRO BOATS

Campaign #: 21CG0005
Year: 2016-2021
Model(s): 172 Bay
Problem: Flotation

WHITE RIVER MARINE GROUP

Campaign # 21MF0381
Year: 2020-2021
Model(s): Ranger 622
Problem: Fuel Tank

NOVAK ENTERPRISES

Campaign # 21CG0013
Year: 2020-2021
Model(s): Dorado 14
Problem: Capacity Label

YAMAHA MOTOR CORP USA

Campaign # 21MF0344
Year: 2021
Model(s): KPT/KXT 1800
Problem: Electrical and/or Fuel Tank

SKEETER PRODUCTS, INC.

Campaign # 21MF0279
Year: 2021
Model(s): Various Models
Problem: Steering Tiler Arm

NAUTIC STAR, LLC

Campaign #: 21DL0926
Year: 2019-2021
Model(s): 191 Hybrid, 193SC, 215 XTS, 215 XTS SB, 227 XTS, 243 DC, 2102 Legacy, and the 2602 Legacy
Problem: Capacity Label

SEA RAY BOATS

Campaign # 21MF0200
Year: 2021
Model(s): SDX250
Problem: Electrical

YAMAHA MOTOR CORP USA

Campaign # 21MF0187
Year: 2021
Model(s): GP1800A, GP1800B, VX1050 and VX1080
Problem: Electrical

MERCURY

Campaign #: 21SD0004
Year: 2021
Model(s): 85-115 HP 2.1L and 150 HP 3.0L
Problem: Outboard Engines

MALIBU BOATS LLC

Campaign # 21SD0001
Year: 2020-2021
Model(s): Wakersetter
Problem: Electrical

MARLON RECREATIONAL PRODUCTS

Campaign # 21CG0002
Year: 2021
Model(s): SP12
Problem: Flotation

NOVAK ENTERPRISES

Campaign #: 21CG0013
Year: 2020
Model(s): Panga Corvina 14
Problem: Capacity Label

2020**COMPOSITE RESEARCH INC**

Campaign #: 20CG0019
 Year:
 Model(s): Sundance K168D
 Problem: Capacity Label and Flotation

MARATHON BOAT GROUP INC

Campaign #: 20CG0007
 Year: 2020
 Model(s): Otisco 14 Jon
 Problem: Capacity Label and Flotation

SEA RAY

Campaign # 20SD0025
 Year: 2018-2017
 Model(s): 230SLW and SLW230
 Problem: Weakness within the supporting fiberglass structure at the rudder

SCOUT BOATS INC

Campaign #: 20CG0021
 Year: 2017-2021
 Model(s): 175 Sport Dorado
 Problem: Flotation

PELICAN INTERNATIONAL INC

Campaign # 20CG0026
 Year: 2020
 Model(s): Predator 103
 Problem: Capacity Label and Flotation

RECREATION UNLIMITED LLCX

Campaign #: 20CG0013
 Year: 2019-2020
 Model(s): Key Largo 1800
 Problem: Flotation

LEGEND CRAFT BOATS LLC

Campaign #: 20CG0027
 Year: 2015-2021
 Model(s): Ambush 1548
 Problem: Flotation

TITAN MARINE LLC

Campaign #: 20CG0029
 Year: 2019-2021
 Model(s): 1656MR
 Problem: Capacity Label

RHINO ROTO MOLDING

Campaign #: 20CG0034
 Year: 2010-2021
 Model(s): Beavertail Final Attack
 Problem: Capacity Label

HONDA

Campaign # 20SD0007
 Year: No model year
 Model(s): Honda Marine accessory key panel kit
 Problem: Electrical

SIERRA INTERNATIONAL

Campaign #: 200001T
 Year: Not Built by Model Year
 Model(s): QI Auto
 Problem: Fuel System

SEA RAY BOATS

Campaign # 20SD0019
 Year: 2016-2021
 Model(s): 250SLN, 250 SLX, 280SLN, 280SLX
 Problem: Electrical

MASTERCRAFT

Campaign # 20SD0026
 Year: 2019-2021
 Model(s): Aviara: 2020 AV32, 2020 AV36 (Stern Drive Versions only)
 MasterCraft: Model Year 2019, 2020 and 2021; ProStar, NXT20, NXT22, X22, X24, X26, XT20, XT21, XT22, X-Star; also Model Year 2021 NXT24.
 Problem: Fuel System

HEYDAY BOATS

Campaign # 20SD0006
 Year: 2018-2020
 Model(s): 2019 and 2020 WT-2DC and 2018 and 2019 WTSURF
 Problem: Ventilation

THUNDER JET BOATS

Campaign # 20SD0011
 Year: 2020
 Model(s): Various Models
 Problem: Electrical

AVIARA BOATS LLC

Campaign # 20SD0024
 Year: 2020 and 2021
 Model(s): AV32 (Outboard), AV36 (Stern Drive and Outboard)
 Problem: Fuel System

MERCURY MARINE

Campaign # 20SD0027
 Year: 2020
 Model(s): 4.5L, 6.2L, and 8.2L Sterndrive
 383 MPI Inboard, and Quicksilver 8.1L Horizon
 Mercury Racing 520 and 540
 Problem: Water Failure leak

YAMAHA MOTOR CORP

Campaign # 20SD0018
 Year: 2019-2020
 Model(s): FPT1800A
 Problem: Steering

G3 BOATS

Campaign # 20SD0014
 Year: 2018-2021
 Model(s): 18CCJ/CCJDLX
 Problem: Level Flotation

TRITON BOATS

Campaign # 20SD0009
 Year: 2018-2020
 Model(s): 18 TRX, 189 TRX, 19 TRX
 Problem: Level Flotation

KRASH INDUSTRIES

Campaign # 20DL0869
 Year: 2020
 Model(s): VARIOUS
 Problem: Safe Loading and Hull ID Number

MERCURY

Campaign # 20SD0017
 Year: 2019-2020
 Model(s): 35-60 EFI 75-115 SEA
 Problem: Engine: Gasoline

THUNDER JET BOATS

Campaign # 20SD0010
 Year: 2012-2019
 Model(s): 176 ECOJET, 180 ECOJET
 Problem: Flotation

HIGHWATER MARINE

Campaign # 20SD0021
 Year: 2016-2020
 Model(s): Various Godfrey models
 Problem: Electrical

NAUTIC STAR, LLC

Campaign # 20SD0020
 Year: 2020
 Model(s): 32 XS
 Problem: Structural Integrity

CAROLINA SKIFF LLC

Campaign # 20SD0004
 Year: 2017-2019
 Model(s): 22 HFC, 24 HFC
 Problem: Electrical System

BRP

Campaign # 20SD0008
 Year: 2018-2019
 Model(s): MANTOU RFX/RFXW
 Problem: Hull Cracks

SEA RAY BOATS

Campaign # 20SD0003
 Year: 2015-2018
 Model(s): VARIOUS
 Problem: Electrical System

MALIBU BOATS

Campaign # 20SD0012
 Year: 2017
 Model(s): Wakesetter
 Problem: Fuel System

2019**MERCURY**

Campaign #: 190048T
 Year: Not Built by Model Year
 Model(s): Some 4.5 L and 6.2 L
 Problem: Fuel System

TITAN MARINE LLC

Campaign # 19CG171S
 Year: 2018-2020
 Model(s): 450 RDB
 Problem: Capacity Label

SEA RAY BOATS

Campaign # 190051S
 Year: 2020
 Model(s): 310SXO
 Problem: Electrical System

SEA RAY BOATS

Campaign # 190052T
 Year: 2015-2020
 Model(s): SDX290, SDO290
 Problem: Electrical System

SEA RAY BOATS

Campaign # 190053T
 Year: 2018-2020
 Model(s): SLX250, SLX280
 Problem: Electrical System

HURRICANE BOATS

Campaign # 190050S
 Year: 2019-2020
 Model(s): 196, 198 FUNDECK
 Problem: Level Flotation

LUND BOATS

Campaign # 190027T
 Year: 2019
 Model(s): 189 TYEE GL, 189 PRO-V GL
 Problem: Engine Mount

LUND BOATS

Campaign # 190003S
 Year: 2019
 Model(s): SSV-16
 Problem: Level Flotation

MERCURY MARINE

Campaign # 190022T
 Year: Tech Bulletin 2019
 Model(s): V-8 200-300, V-6 175-225, V8 250
 Problem: Engine: Gasoline

MARLON RECREATIONAL PRODUCTS

Campaign # 19CG152S
 Year: 2019
 Model(s): WVI4L
 Problem: Level Flotation

PIRANHA BOATWORKS LLC

Campaign # 19CG170S
 Year: 2019
 Model(s): P140T RASO
 Problem: Level Flotation and Safe Loading Max Person Weight

MERCURY MARINE

Campaign # 190037T
 Year: 2016-2019
 Model(s): DESIGN 2 JOYSTICK
 Problem: Dynamic Instability

GREGOR BOAT COMPANY

Campaign # 19CG156S
 Year: 2018-2019
 Model(s): CH-45CL CH-51L
 Problem: Basic and Level Flotation

CUSTOM FIBERGLASS PROD INC

Campaign # 19CG169S
 Year: 2019
 Model(s): MITZI SKIFF 17 CC
 Problem: Basic Flotation and Navigation Lights

BRP USA INC

Campaign # 190043T
 Year: 2019
 Model(s): PW GTX 230 LBBM
 Problem: Dynamic Instability

YAMAHA MOTOR CORP USA

Campaign # 190025T
 Year: 2019
 Model(s): SAT1800E/F
 Problem: Engine Shift Control

SMOKER CRAFT INC

Campaign # 19CG153S
 Year: 2010-2019
 Model(s): VOYAGER 14 BENCH
 Problem: Level Flotation and Safe Loading Persons

SEA RAY BOATS

Campaign # 190031S
 Year: 2019
 Model(s): SXO400
 Problem: Ventilation

SEA RAY BOATS

Campaign # 190038T
 Year: 2019
 Model(s): DA320 DA350 DAC350 DAC320
 Problem: Electrical System

SEA RAY BOATS

Campaign # 190039T
 Year: 2019
 Model(s): DA320 DA350 DAC350
 Problem: Steering

KLAMATH BOAT CO LLC

Campaign # 19CG157S
 Year: 2019
 Model(s): 152 WESTCOASTER
 Problem: Level Flotation and Safe Loading
 Maximum Persons Weight

INDMAR PRODUCTS

Campaign # 190032T
 Year: 2019
 Model(s): SUPRA 400, 450, 575 and MOOMBA
 450
 Problem: Electrical

CENTURION & SUPREME

Campaign # 190040T
 Year: 2019
 Model(s): ZS232
 Problem: Dynamic Instability

BOSTON WHALER INC

Campaign # 19X047AS
 Year: 2019
 Model(s): 190OR
 Problem: Safe Loading Maximum Weight

LUND BOATS

Campaign # 19CG151S
 Year: 2019
 Model(s): SSV 14
 Problem: Level Flotation

BOMBARDIER

Campaign # 190034T
 Year: 2019
 Model(s): SEA-DOO FISH PRO
 Problem: Not Specified

TORQUEEDO

Campaign #: 190042T
 Year: 2010-2018
 Model(s): TRAVEL AND ULTRALIGHT
 Problem: Electrical System

BLACK RIVER CANOES

Campaign # 190054T
 Year: 2016-2018
 Model(s): LEGACY, XT, LT, X-PLODE
 Problem: Hull Cracks

SEA RAY BOATS

Campaign # 190024S
 Year: 2018
 Model(s): SLX400
 Problem: Electrical System

2018**MIRAGE MANUFACTURING CO**

Campaign # 18CG144S
 Year: 2016
 Model(s): TPS 18
 Problem: Capacity Label and Flotation

DRAGONFLY BOATWORKS LLC

Campaign # 18CG141S
 Year: 2010, 2012-2019
 Model(s): MARSH HEN
 Problem: Capacity Label and Flotation

FISH-RITE BOATS

Campaign # 18CG127S
 Year: 2016
 Model(s): FISHMASTER 15
 Problem: Capacity Label and Flotation

SEA RAY

Campaign # 180012S
 Year: 208-2014
 Model(s): 260 DA
 Problem: Fuel Tank

MALIBU BOATS INC

Campaign # 180015T
 Year: 2016
 Model(s): Malibu and Axis boats (Excluding Malibu TXi Response)
 Problem: Electrical System

CAROLINA COMPOSITES LLC

Campaign # 18X042CS
 Year: 2019
 Model(s): BULLS BAY 2000
 Problem: Capacity Label

LUND BOATS

Campaign # 180005T
 Year: 2019
 Model(s): 189 TYEE, 189 PRO-V
 Problem: Engine Mount

DOUGLAS MARINE CORP

Campaign # 18R6022S
 Year: 2019
 Model(s): '380' INBOARD
 Problem: Full System and Hull ID Number

TEAM WARD INC

Campaign # 18CG143S
 Year: 2019
 Model(s): 1542
 Problem: Level Flotation and Basic Flotation

CAROLINA SKIFF LLC

Campaign # 18CG123S
 Year: 2018
 Model(s): 16 JVX CC
 Problem: Hull ID Number and Label: Certification

SANTEE BOATS LLC

Campaign # 18CG122S
 Year: 2018
 Model(s): 160 CC
 Problem: Label: Certification and Navigation Lights

DRAGONFLY BOATWORKS LLC

Campaign # 18CG141S
 Year: 2018
 Model(s): MARSH HEN
 Problem: Basic Flotation and Safe Loading Maximum Persons Weight

HEY DAY

Campaign # 180009S
 Year: 2018
 Model(s): WT-SURF
 Problem: Electrical System and Fuel System

MARQUIS-LARSON

Campaign # 180013S
 Year: 2018
 Model(s): LARSON LXH AND LX
 Problem: Ventilation

TRACKER

Campaign # 180016S
 Year: 2018
 Model(s): DEEP V GRIZZLY HELM
 Problem: Loose Hydraulic Steering Hose

ULTRA BOATS

Campaign # 18R5916S
 Year: 2018
 Model(s): 28 SHADOW DECK INBOARD
 Problem: Electrical System and Fuel System

HARBOR COTTAGE LLC

Campaign # 18R5970S
 Year: 2018
 Model(s): 84x16 HOUSEBOAT
 Problem: Electrical System and Label: Certification

COBALT BOATS LLC

Campaign # 180010S
 Year: 2017-2018
 Model(s): UNIDENTIFIED
 Problem: Undersized Bolts to Hold Down Seat to Deck

LUND BOAT COMPANY

Campaign # 180004S
 Year: 2016-2018
 Model(s): 2075, 2175 PRO-V
 Problem: Electrical System

LUND BOAT COMPANY

Campaign # 180005T
 Year: 2017-2018
 Model(s): 189 TYEE GEL, 189 PRO-V GL
 Problem: Engine Interface

MERCURY MERCUISER

Campaign # 180019T
 Year: 2018
 Model(s): STERNDRIVE
 Problem: Steering Pump

THUNDER JET BOATS

Campaign # 180023T
 Year: 2018
 Model(s): T186RS, SARS18
 Problem: Steering Interface

WELD CRAFT MFG INC

Campaign # 18CG134S
 Year: 2018
 Model(s): 1242 RS
 Problem: Safe Loading Maximum Weight and Safe Loading Maximum Persons Weight

WHITE RIVER MARINE GROUP LLC

Campaign # 180011S
 Year: 2017-2018
 Model(s): PT195
 Problem: Hydraulic hose fittings may not be secured at steering cylinder