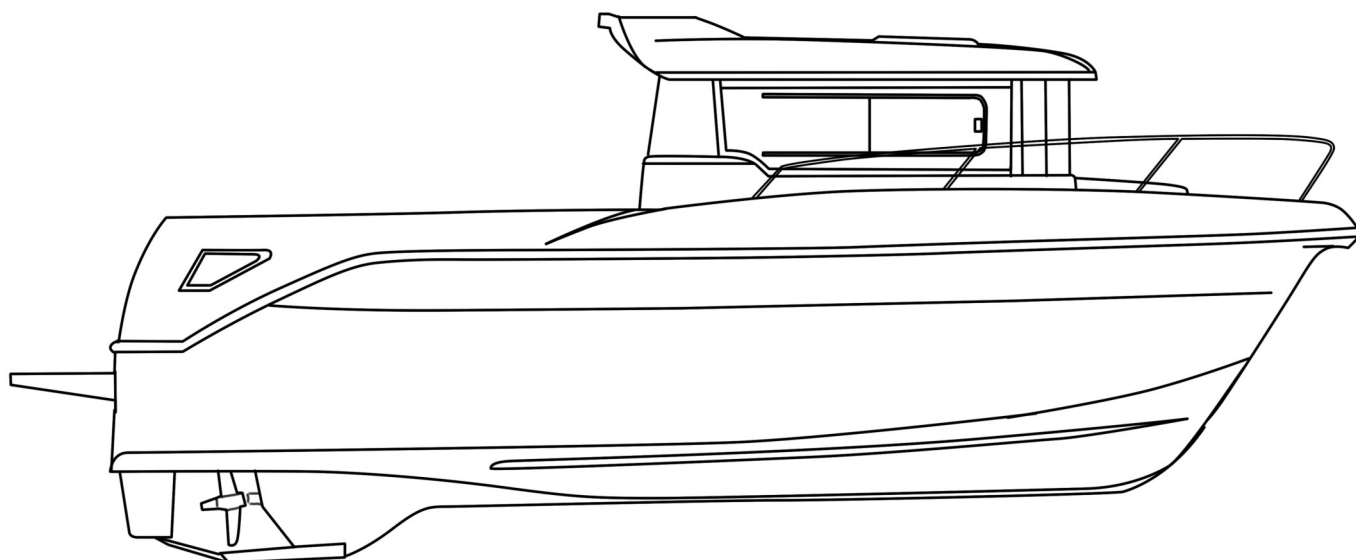


# **QUICKSILVER®**

## 810 Arvor Owner's Manual





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## Welcome

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Congratulations on becoming a new owner of a Quicksilver® boat. This Owner's Packet will provide important information about the features of your boat and should be, at all times, kept aboard your boat. Take time to carefully review the information in this packet to really get to know your boat.

The Owner's Packet will contain the following:

- **Model Specific Owner's Manual**  
The model specific manual contains information vital to understanding the operation of your boat.
- **Original Equipment Manufacturer (OEM) Information**  
The OEM information contains manuals provided by the individual system manufacturers of the equipment installed on your boat. These include items such as engine controls, electronics, and stereos, just to name a few. The Owner's Manual will often refer to information provided by the manufacturers of specific systems.

Please keep this manual in a secure place, and transfer to the new owner if you sell the craft.

Information and assistance is also available via our website, [www.quicksilver-boats.com](http://www.quicksilver-boats.com).

Information in this publication is based upon the latest production specifications available at printing. Quicksilver® reserves the right to make changes at any time, without notice, in the colors, equipment, specifications, materials and prices of all models, or to discontinue models. Should changes in production models be made, Quicksilver® is not obligated to make similar changes or modifications to models sold prior to the date of such changes.

**QUICKSILVER® • A BRUNSWICK COMPANY**

**# INT 2237026**

QUICKSILVER 810 ARVOR

FEBRUARY 2016

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# Introduction

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## 1. Owner's Manual

The material here and the rest of the Owner's manual packet:

- Gives you basic safety information
- Describes the fundamentals of boat use
- Describes the features of your boat
- Describes the equipment on your boat
- Contains service and maintenance information

**You must learn to safely operate this boat as well as read, understand and use the information contained in this package.**

What this manual does not give you is a course in boating safety, or how to navigate, anchor or dock your boat. Operating a power boat safely requires more skills, knowledge and awareness than is necessary for a car or truck.

## 2. Your Responsibilities

For your safety, the safety of your passengers, other boaters and people in the water, you must take a boating safety course and get instruction in the safe and proper handling of your boat. Understand and follow the "Rules of the Road" and learn how to navigate.

Do not forget that a boating license is mandatory in many countries for vessels above a certain engine power. These regulations can vary depending on the country or region that you are located in. Finally, your boat must be registered with the proper navigation authorities. A Declaration of Conformity is part of the documents that you receive with the boat and it must be kept aboard with other official documents at all times. The Declaration of Conformity is mandatory when registering the boat.

## 3. Explanation of Safety Labels

The most important aspect of boating is safety. Although every effort is made to address the numerous issues regarding the safe usage of your boat, it is strongly recommended that you avail yourself of the training and knowledge available through boating safety courses, etc.

### Safety Precautions

Mounted at key locations throughout your boat and duplicated in this manual are labels which advise the owner/operator of imperative safety precautions to follow when operating or servicing equipment. Learn to recognize the degree of precaution and understand the explanations of safety prior to reading this manual. These precautions are not all-inclusive. Always use common sense in the operation of your boat.

- Do not remove or obstruct any safety label.
- Replace any label which becomes illegible. Replacement safety labels can be obtained by calling your dealer

#### **DANGER**

**DANGER**—Immediate hazards which will result in severe personal injury or death if the warning is ignored.

#### **CAUTION**

**CAUTION**—Hazards or unsafe practices which could result in minor injury, product or property damage if the warning is ignored.

#### **WARNING**

**WARNING**—Hazards or unsafe practices which **MAY** result in severe personal injury or death if the warning is ignored.

#### **NOTICE**

**NOTICE**—Information which is important to proper operation or maintenance, but is not hazard related.

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## Introduction

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### 4. Dealer Responsibilities

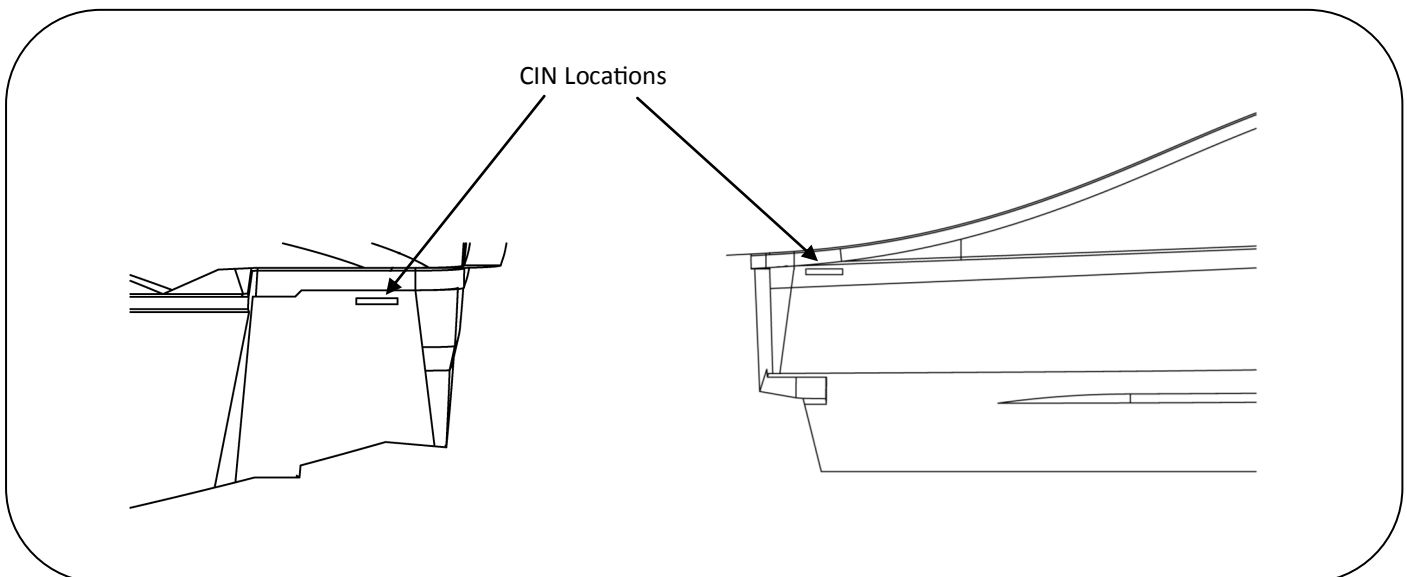
In addition to a pre-delivery check and service of the boat, your dealer is to provide:

- A description and demonstration of the safety systems, features, instruments and controls on your boat
- An orientation in the general operation of your boat
- A review of all warranty information and how to obtain warranty service
- The Owner Information Package

If you do not receive all of these materials, or have any questions, contact your dealer.

### 5. Craft Identification Number (CIN)

The Craft Identification Number is located either on the starboard side of the transom, or on the aft starboard side of the hull under the gunwale if the boat has an optional swim platform, and is your boat's most important identifying factor. The CIN consists of a two digit country code indicating the country of origin of the manufacturer and a unique twelve digit code that provides Quicksilver® vital information about your boat. The CIN must be included in all correspondence related to the vessel. Also of vital importance is the engine serial number(s) and part number(s) when ordering parts for your engine.



### 6. Warranty Information

You will find information regarding the Quicksilver® warranty following the introduction. A warranty information card is also included in the owner information packet. If for some reason this information is missing, contact your Quicksilver® dealer.

#### Registration

Contact your dealer or the distributor in your country, or the Brunswick Marine in EMEA Center closest to you.

#### Transfer of Warranty

Contact the distributor in your country, or the Brunswick Marine in EMEA Center closest to you.

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## Introduction

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### About Your Limited Warranty

The Quicksilver Division of Brunswick Marine in EMEA (Quicksilver®) provides the following Limited Warranty to the original retail owner of its Quicksilver® boat, if purchased from an authorized dealer and operated under normal, subject to remedies, exclusions, and limitations set out in this Limited Warranty.

#### Europe and Confederation of Independent States

**WHAT IS COVERED:** Brunswick Marine in EMEA warrants its new products to be free of defects in material and workmanship during the period described below.

**DURATION OF COVERAGE:** This Limited Warranty provides coverage for two (2) years from the date the product is first sold to a recreational use retail purchaser, or the date on which the product is first put into service, whichever occurs first. Commercial users of these products receive warranty coverage of one (1) year from the date of first retail sale, or one (1) year from the date in which the product was first put into service, whichever occurs first.

Commercial use is defined as any work or employment related use of the product, or any use of the product which generates income, for any part of the warranty period, even if the product is occasionally used for such purposes.

The repair or replacement of parts, or the performance of service under this warranty, does not extend the life of this warranty beyond its original expiration date. Unexpired warranty coverage can be transferred from one recreational use customer to a subsequent recreational use customer upon proper registration of the product. Unexpired warranty coverage may be terminated for use or repossessed product; or product purchased at auction, from a salvage yard, or from an insurance company.

**CONDITIONS THAT MUST BE MET IN ORDER TO OBTAIN WARRANTY COVERAGE:** Warranty coverage is available only to retail customers that purchase from a Dealer authorized by Brunswick Marine in EMEA to distribute the product in the country in which the sale occurred, and then only after the Brunswick Marine in EMEA specified predelivery inspection process is completed and documented. Warranty coverage becomes available upon proper registration of the product by the authorized dealer. Routine maintenance outlined in the Operation and Maintenance Manual must be timely performed in order to maintain warranty coverage. Brunswick Marine in EMEA reserves the right to make future warranty coverage contingent on proof of proper maintenance.

**WHAT BRUNSWICK MARINE IN EMEA WILL DO:** Brunswick Marine in EMEA's sole and exclusive obligation under this warranty is limited to, at our option, repairing a defective part, replacing such part or parts with new or Brunswick Marine in EMEA certified remanufactured parts, or refunding the purchase price of the Brunswick Marine in EMEA product. Brunswick Marine in EMEA reserves the right to improve or modify products from time to time without assuming an obligation to modify products previously manufactured.

**HOW TO OBTAIN WARRANTY COVERAGE:** The customer must provide Brunswick Marine in EMEA with a reasonable opportunity to repair, and reasonable access to the product for warranty service. Warranty claims shall be made by delivering the product for inspection to a Brunswick Marine in EMEA authorized dealer to service the product. If purchaser cannot deliver the product to such a dealer, written notice must be given to Brunswick Marine in EMEA. We will then arrange for the inspection and any covered repair. Purchaser in that case shall pay for all related transportation charges and/or travel time. If the service provided is not covered by this warranty, purchaser shall pay for all related labor and material, and any other expenses associated with that service. Purchaser shall not, unless requested by Brunswick Marine in EMEA, ship the product or parts of the product directly to Brunswick Marine in EMEA. Proof of registered ownership must be presented to the dealer at the time warranty service is requested in order to obtain coverage.

**WHAT IS NOT COVERED:** As expressly set out herein, all warranties provided by the manufacturers and distributors of components, equipment, and parts ("Component Manufacturer") on the boat are hereby assigned to the owner, to the extent permitted by the Component Manufacturer, as the owner's sole and exclusive remedy with respect to such items. Any assistance by Brunswick Marine in EMEA and/or its authorized dealers with regard to component warranties shall not constitute an adoption of the responsibilities of a component manufacturer with regard to its component warranties. This Limited Warranty does not apply to any Quicksilver® which has been salvaged or declared a total loss or a constructive total loss for any reasons not covered in this Limited Warranty. This Limited Warranty also does not apply to the following items:

1. Engines, drivetrains, controls, propellers, batteries, other equipment or accessories that carry their own individual warranties, or equipment and accessories which are not installed by Quicksilver®
2. Window damage or breakage

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## Introduction

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3. Rainwater leakage, including rainwater leakage through convertible tops
4. Damage or deterioration of cosmetic surface finishes, including cracking, crazing, discoloration, air voids, fading or oxidation of gel coat, wood finishes (varnishes, stains, and paints), fabrics, vinyls, plastics, trim tape, plated or painted metal, stainless steel finishes, anti-fouling bottom paint, or zinc anodes
5. Any Quicksilver® which has been altered or modified from Brunswick Marine in EMEA factory specifications
6. Any Quicksilver® initially sold at retail by a party other than an authorized Brunswick Marine in EMEA dealer
7. Any Quicksilver® which has been used for racing or military purposes, or which has been overpowered according to Brunswick Marine in EMEA factory specifications for such Quicksilver®
8. Any Quicksilver® used for Commercial Purposes. Commercial Purposes, as used herein, means a vessel with more than 50% usage for business or revenue-producing purposes.
9. Any failure or defect caused by an accident, product abuse or misuse, failure of the owner to use, maintain, or store the Quicksilver® as specified in Brunswick Marine in EMEA owner's manual(s), and any other failure to provide reasonable care and maintenance.
10. Any transportation, haul out, or other expenses incurred in returning the Quicksilver® to the selling dealer or to the Brunswick Marine in EMEA factory for warranty service.
11. Any representation or implication relating to speed, range, fuel consumption or estimated performance characteristics.
12. Damage, shrinkage, or deterioration of carpet, upholstery, and exterior canvas tops, enclosures, and weather covers (including rainwater leakage)
13. Any failure or defect caused by an act of nature resulting in damage, cost, or expense
14. Any transportation
15. Any failure or defect arising from a previous repair made by a non-authorized service provider
16. Any item exceeding the expressed coverage limits specified in any Brunswick Marine in EMEA Limited Warranty
17. Any defect or repair requiring redesign of the Quicksilver®, except pursuant to the recall provisions of the United States Federal Boat Safety Act of 1971, or the recall laws of any other foreign jurisdiction.

**SOLE REMEDY:** The remedy of repair or replacement of parts that are found to be defective in factory materials or workmanship covered by the Limited Warranty shall constitute the owner's sole and exclusive remedy against Brunswick Marine in EMEA for any claims whatsoever of economic loss resulting from product failure.

In keeping with environmental policies and practices, Brunswick Marine in EMEA reserves the right to utilize reconditioned, refurbished, repaired or remanufactured products or parts in the warranty repair or replacement process. Such products and parts will be comparable in function and performance to an original product or part and warranted for the remainder of the original warranty period. In no event shall any repair or replacement under this Limited Warranty exceed the fair market value of the product as of the date of the owner's claim. Acceptance of any product returned or any refund provided by Brunswick Marine in EMEA shall not be deemed an admission that the product is defective. Products that are replaced become the property of Brunswick Marine in EMEA.

**OTHER LIMITATIONS:** Except as set forth herein or on any other written Limited Warranties by Brunswick Marine in EMEA, there are no other warranties, expressed or implied provided by Brunswick Marine in EMEA, on this Quicksilver®. All other warranties, expressed or implied are expressly excluded. Brunswick Marine in EMEA further disclaims any liability for economic loss arising from claims of product failure, negligence, defective design, manufacturing defect, failure to warn and/or instruct, lack of seaworthiness, and any other theory of liability not expressly covered under the terms of this Limited Warranty.

Any implied warranty of merchantability or fitness for a particular purpose is disclaimed. To the extent the implied warranty cannot be disclaimed, it is limited to the shorter of one (1) year from the date of delivery to the first retail owner or the duration of the respective Limited Warranties stated herein. To the extent required by law and implied warranty of merchantability is limited for the duration of the respective Limited Warranties stated. To the extent allowed by law neither Brunswick Marine in EMEA, nor the selling dealer shall have any responsibility of the loss of use of the Quicksilver®, loss of time, inconvenience, commercial loss or consequential damages.

Some countries, states or regions do not allow limitations on how long an implied warranty lasts, so the above limitations may not be applicable. Some countries, states or regions do not allow the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not be applicable. This warranty gives the owner specific legal rights, and the owner may also have other rights, which vary country to country, state to state, or region to region.

Retail customers in the European Economic area (EEA) may have legal rights under the applicable national legislation regarding the sale of consumer goods which are not affected by this Limited Warranty. The retail customer's legal rights under any applicable national legislation regarding the sale of consumer goods shall not be affected. Information on authorized EEA dealers and EEA Privacy be obtained at [www.Quicksilver-boats.com](http://www.Quicksilver-boats.com).

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## Introduction

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**STATUTE OF LIMITATIONS:** Any action for rescission or revocations against Brunswick Marine in EMEA shall be barred unless it is commenced within one (1) year from the date of accrual of such cause of action. This provision does not grant any consumer a right of rescission or revocation against Brunswick Marine in EMEA, where such does not otherwise exist under applicable law. Some country, state, or region may not allow the applicable statute of limitations for rescission or revocation to be reduced, so this provision may not apply to each retail owner.

**OWNER'S OBLIGATIONS:** Contact the selling Brunswick Marine in EMEA dealer to set up an appointment for warranty repairs. All warranty work or repairs must be referred to the selling dealer for authorization as a condition precedent to Limited Warranty coverage. Brunswick Marine in EMEA must receive written notice of any remaining warranty claims from the owner prior to the expiration of the owner's Limited Warranty, and the owner must notify Brunswick Marine in EMEA of any Quicksilver® being repaired by an authorized Brunswick Marine in EMEA dealer which has been at the dealership for fifteen (15) days, or of any claimed defect which was not corrected after one (1) repair attempt.

**MODIFICATIONS & SEVERABILITY:** The terms and conditions contained herein, as well as those of any documents prepared in conjunction with the sale of this vessel may not be modified, altered, or waived by any action, inaction, or representations, whether oral or in writing, except upon the expressed, written authority of a management level employee of Brunswick Marine in EMEA. The invalidity or unenforceability of any one or more of the provisions herein shall not affect the validity and enforceability of the other provisions.

### **Africa and Middle East**

**WHAT IS COVERED:** Brunswick Marine in EMEA warrants its new products to be free of defects in material and workmanship during the period described below.

**DURATION OF COVERAGE:** This Limited Warranty provides coverage for one (1) years from the date the product is first sold to a recreational use retail purchaser, or the date on which the product is first put into service, whichever occurs first. Commercial users of these products receive warranty coverage of one (1) year from the date of first retail sale, or one (1) year from the date in which the product was first put into service, whichever occurs first.

Commercial use is defined as any work or employment related use of the product, or any use of the product which generates income, for any part of the warranty period, even if the product is occasionally used for such purposes.

The repair or replacement of parts, or the performance of service under this warranty, does not extend the life of this warranty beyond its original expiration date. Unexpired warranty coverage can be transferred from one recreational use customer to a subsequent recreational use customer upon proper registration of the product. Unexpired warranty coverage may be terminated for use or repossessed product; or product purchased at auction, from a salvage yard, or from an insurance company.

**CONDITIONS THAT MUST BE MET IN ORDER TO OBTAIN WARRANTY COVERAGE:** Warranty coverage is available only to retail customers that purchase from a Dealer authorized by Brunswick Marine in EMEA to distribute the product in the country in which the sale occurred, and then only after the Brunswick Marine in EMEA specified predelivery inspection process is completed and documented. Warranty coverage becomes available upon proper registration of the product by the authorized dealer. Routine maintenance outlined in the Operation and Maintenance Manual must be timely performed in order to maintain warranty coverage. Brunswick Marine in EMEA reserves the right to make future warranty coverage contingent on proof of proper maintenance.

**WHAT BRUNSWICK MARINE IN EMEA WILL DO:** Brunswick Marine in EMEA's sole and exclusive obligation under this warranty is limited to, at our option, repairing a defective part, replacing such part or parts with new or Brunswick Marine in EMEA certified remanufactured parts, or refunding the purchase price of the Brunswick Marine in EMEA product. Brunswick Marine in EMEA reserves the right to improve or modify products from time to time without assuming an obligation to modify products previously manufactured.

**HOW TO OBTAIN WARRANTY COVERAGE:** The customer must provide Brunswick Marine in EMEA with a reasonable opportunity to repair, and reasonable access to the product for warranty service. Warranty claims shall be made by delivering the product for inspection to a Brunswick Marine in EMEA authorized dealer to service the product. If purchaser cannot deliver the product to such a dealer, written notice must be given to Brunswick Marine in EMEA. We will then arrange for the inspection and any covered repair. Purchaser in that case shall pay for all related transportation charges and/or travel time. If the service provided is not covered by this warranty, purchaser shall pay for all related labor and material, and any other expenses associated with that service. Purchaser shall not, unless requested by Brunswick Marine in EMEA, ship the product or parts of the product directly to Brunswick Marine in EMEA. Proof of registered ownership must be presented to the dealer at the time warranty service is requested in order to obtain coverage.

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## Introduction

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**WHAT IS NOT COVERED:** As expressly set out herein, all warranties provided by the manufacturers and distributors of components, equipment, and parts ("Component Manufacturer") on the boat are hereby assigned to the owner, to the extent permitted by the Component Manufacturer, as the owner's sole and exclusive remedy with respect to such items. Any assistance by Brunswick Marine in EMEA and/or its authorized dealers with regard to component warranties shall not constitute an adoption of the responsibilities of a component manufacturer with regard to its component warranties. This Limited Warranty does not apply to any Quicksilver® which has been salvaged or declared a total loss or a constructive total loss for any reasons not covered in this Limited Warranty. This Limited Warranty also does not apply to the following items:

1. Engines, drivetrains, controls, propellers, batteries, other equipment or accessories that carry their own individual warranties, or equipment and accessories which are not installed by Quicksilver®
2. Window damage or breakage
3. Rainwater leakage, including rainwater leakage through convertible tops
4. Damage or deterioration of cosmetic surface finishes, including cracking, crazing, discoloration, air voids, fading or oxidation of gel coat, wood finishes (varnishes, stains, and paints), fabrics, vinyls, plastics, trim tape, plated or painted metal, stainless steel finishes, anti-fouling bottom paint, or zinc anodes
5. Any Quicksilver® which has been altered or modified from Brunswick Marine in EMEA factory specifications
6. Any Quicksilver® initially sold at retail by a party other than an authorized Brunswick Marine in EMEA dealer
7. Any Quicksilver® which has been used for racing or military purposes, or which has been overpowered according to Brunswick Marine in EMEA factory specifications for such Quicksilver®
8. Any Quicksilver® used for Commercial Purposes. Commercial Purposes, as used herein, means a vessel with more than 50% usage for business or revenue-producing purposes.
9. Any failure or defect caused by an accident, product abuse or misuse, failure of the owner to use, maintain, or store the Quicksilver® as specified in Brunswick Marine in EMEA owner's manual(s), and any other failure to provide reasonable care and maintenance.
10. Any transportation, haul out, or other expenses incurred in returning the Quicksilver® to the selling dealer or to the Brunswick Marine in EMEA factory for warranty service.
11. Any representation or implication relating to speed, range, fuel consumption or estimated performance characteristics.
12. Damage, shrinkage, or deterioration of carpet, upholstery, and exterior canvas tops, enclosures, and weather covers (including rainwater leakage)
13. Any failure or defect caused by an act of nature resulting in damage, cost, or expense
14. Any transportation
15. Any failure or defect arising from a previous repair made by a non-authorized service provider
16. Any item exceeding the expressed coverage limits specified in any Brunswick Marine in EMEA Limited Warranty
17. Any defect or repair requiring redesign of the Quicksilver®, except pursuant to the recall provisions of the United States Federal Boat Safety Act of 1971, or the recall laws of any other foreign jurisdiction.

**SOLE REMEDY:** The remedy of repair or replacement of parts that are found to be defective in factory materials or workmanship covered by the Limited Warranty shall constitute the owner's sole and exclusive remedy against Brunswick Marine in EMEA for any claims whatsoever of economic loss resulting from product failure.

In keeping with environmental policies and practices, Brunswick Marine in EMEA reserves the right to utilize reconditioned, refurbished, repaired or remanufactured products or parts in the warranty repair or replacement process. Such products and parts will be comparable in function and performance to an original product or part and warranted for the remainder of the original warranty period. In no event shall any repair or replacement under this Limited Warranty exceed the fair market value of the product as of the date of the owner's claim. Acceptance of any product returned or any refund provided by Brunswick Marine in EMEA shall not be deemed an admission that the product is defective. Products that are replaced become the property of Brunswick Marine in EMEA.

**OTHER LIMITATIONS:** Except as set forth herein or on any other written Limited Warranties by Brunswick Marine in EMEA, there are no other warranties, expressed or implied provided by Brunswick Marine in EMEA, on this Quicksilver®. All other warranties, expressed or implied are expressly excluded. Brunswick Marine in EMEA further disclaims any liability for economic loss arising from claims of product failure, negligence, defective design, manufacturing defect, failure to warn and/or instruct, lack of seaworthiness, and any other theory of liability not expressly covered under the terms of this Limited Warranty.

Any implied warranty of merchantability or fitness for a particular purpose is disclaimed. To the extent the implied warranty cannot be disclaimed, it is limited to the shorter of one (1) year from the date of delivery to the first retail owner or the duration of the respective Limited Warranties stated herein. To the extent required by law and implied warranty of merchantability is limited for the duration of the respective Limited Warranties stated. To the extent allowed by law neither Brunswick Marine in EMEA, nor the selling dealer shall have any responsibility of the loss of use of the Quicksilver®, loss of time, inconvenience, commercial loss or consequential damages.

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## Introduction

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Some countries, states or regions do not allow limitations on how long an implied warranty lasts, so the above limitations may not be applicable. Some countries, states or regions do not allow the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not be applicable. This warranty gives the owner specific legal rights, and the owner may also have other rights, which vary country to country, state to state, or region to region.

Retail customers in the European Economic area (EEA) may have legal rights under the applicable national legislation regarding the sale of consumer goods which are not affected by this Limited Warranty. The retail customer's legal rights under any applicable national legislation regarding the sale of consumer goods shall not be affected. Information on authorized EEA dealers and EEA Privacy be obtained at [www.Quicksilver-boats.com](http://www.Quicksilver-boats.com).

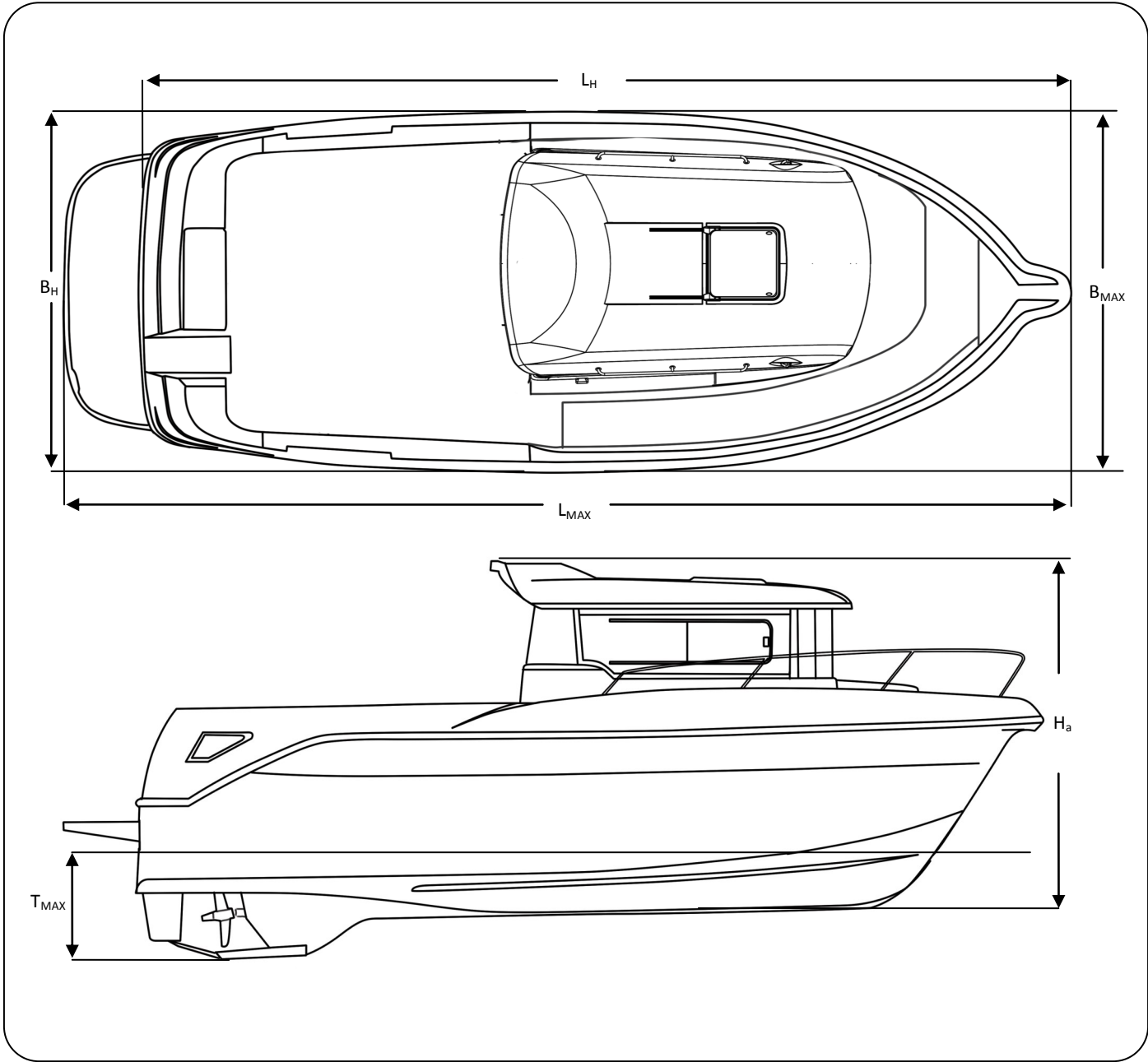
**STATUTE OF LIMITATIONS:** Any action for rescission or revocations against Brunswick Marine in EMEA shall be barred unless it is commenced within one (1) year from the date of accrual of such cause of action. This provision does not grant any consumer a right of rescission or revocation against Brunswick Marine in EMEA, where such does not otherwise exist under applicable law. Some country, state, or region may not allow the applicable statute of limitations for rescission or revocation to be reduced, so this provision may not apply to each retail owner.

**OWNER'S OBLIGATIONS:** Contact the selling Brunswick Marine in EMEA dealer to set up an appointment for warranty repairs. All warranty work or repairs must be referred to the selling dealer for authorization as a condition precedent to Limited Warranty coverage. Brunswick Marine in EMEA must receive written notice of any remaining warranty claims from the owner prior to the expiration of the owner's Limited Warranty, and the owner must notify Brunswick Marine in EMEA of any Quicksilver® being repaired by an authorized Brunswick Marine in EMEA dealer which has been at the dealership for fifteen (15) days, or of any claimed defect which was not corrected after one (1) repair attempt.

**MODIFICATIONS & SEVERABILITY:** The terms and conditions contained herein, as well as those of any documents prepared in conjunction with the sale of this vessel may not be modified, altered, or waived by any action, inaction, or representations, whether oral or in writing, except upon the expressed, written authority of a management level employee of Brunswick Marine in EMEA. The invalidity or unenforceability of any one or more of the provisions herein shall not affect the validity and enforceability of the other provisions.

# Quicksilver 810 Arvor — General Information

## 1. Basic Boat Dimensions & Specifications



|                               |                          |                                  |        |
|-------------------------------|--------------------------|----------------------------------|--------|
| Manufacturer:                 | Brunswick Marine in EMEA |                                  |        |
| Model:                        | Quicksilver Arvor 810    |                                  |        |
| Design Category:              | B                        |                                  |        |
| Length of Hull ( $L_H$ ) :    | 7.19m                    | Light Craft Mass ( $m_{LCC}$ ):  | 2873kg |
| Length Overall ( $L_{MAX}$ ): | 8.30m                    | Maximum Load ( $m_{MTL}$ ):      | 1080kg |
| Beam of Hull ( $B_H$ ):       | 2.88m                    | Fully Loaded Mass ( $m_{LDM}$ ): | 3630kg |
| Beam Max ( $B_{MAX}$ ):       | 2.93m                    | Fuel Tank Capacity:              | 300L   |
| Draft Max ( $T_{MAX}$ ):      | 0.88m                    | Water Capacity:                  | 80L    |
| Overall Height ( $H_a$ ):     | 3.40m                    | Waste Tank Capacity:             | 80L    |

## Quicksilver 810 Arvor — General Information

### 2. Vessel Stability

The following maximum load has been used for assessing the stability and buoyancy comprising

- Manufacturer's maximum recommended load per ISO 14946 715kg
- Fuel, fresh water, other fluids to maximum capacity of fixed tanks 490kg

This assessment has been made assuming that

- The boat in the empty craft condition has a mass of 2800kg
- The boat in the light craft condition has a mass of 2873kg
- All standard equipment is aboard.

Your boat was manufactured to specific stability and flotation standards for the capacity shown on the certification plate. Any increase from the recommended load capacities will put your boat in jeopardy of capsizing, swamping and/or sinking. In addition, any changes to the masses aboard may significantly affect the stability, trim, and performance of the craft. Stability can be considerably affected by loose fluids or weight within the vessel. Keep the bilge area as dry as possible, and in rough weather or at planing speeds, keep all openings, hatches, lockers, doorways, and windows closed to minimize flooding. Breaking waves are a serious stability hazard. Finally, stability can be compromised when towing or lifting heavy weights using a davit or boom.

### 3. Load Capacity

The capacity plate, located near the helm, indicates the maximum weight and number of persons your boat can handle under calm sea conditions. Do not exceed the load capacities stated. A full explanation of this information can be found in the relevant sections of this manual.

The information present on the certification plate does not relieve the operator of responsibility. Use common sense and sound judgment when placing equipment and/or passengers in your boat.

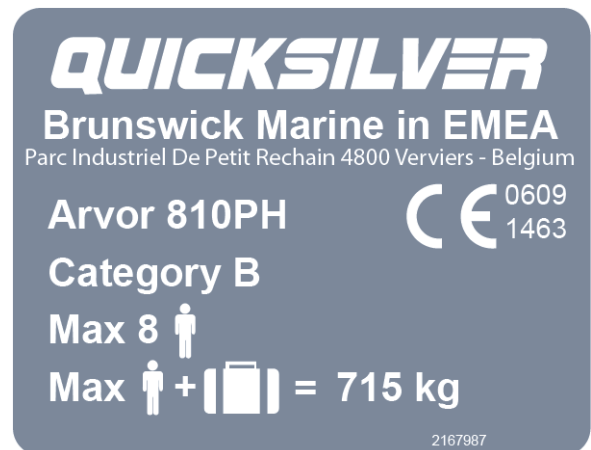
#### ⚠ WARNING

Do not exceed the maximum recommended number of persons. Regardless of the number of persons on board, the total weight of persons and equipment must never exceed the maximum recommended load. Always use the seats/seating spaces provided.

#### ⚠ WARNING

When loading the craft, never exceed the maximum recommended load. Always load the craft carefully and distribute loads appropriately to maintain design trim (approximately level), and secure loose equipment when underway. Avoid placing heavy weights high up.

#### Quicksilver 810 Arvor Capacity Plate



## Quicksilver 810 Arvor — General Information

### 4. Passenger Locations

#### **⚠ DANGER**

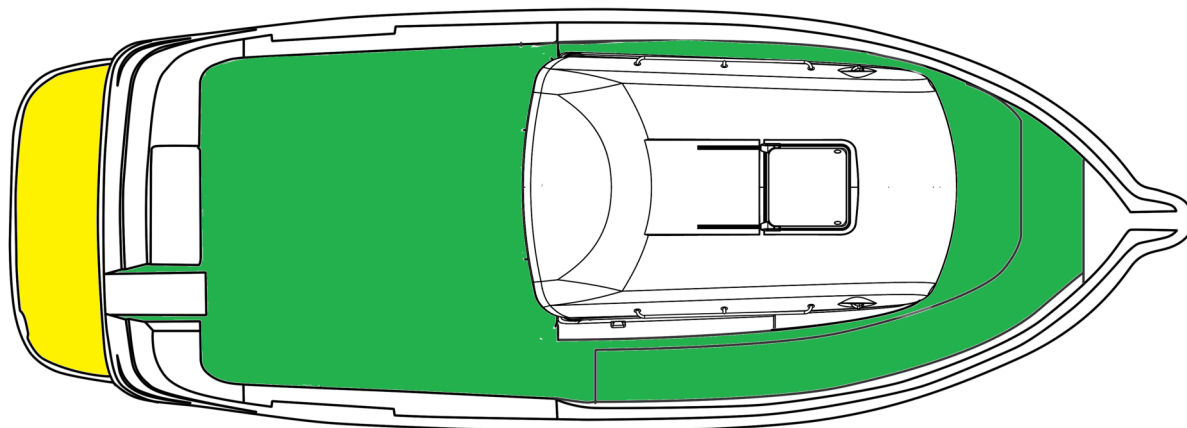
Be aware of your footing while the boat is underway. Slipping or falling could result in serious injury or death, especially if the boat is in motion or in rough seas. Keep the accommodation clean, so if movement is necessary, it will be free of obstruction.

#### **⚠ WARNING**

Gelcoat surfaces are slippery when wet. Use extreme caution when walking on wet surfaces.

Never occupy the working decks while the boat is underway.

When people are on the working deck area for anchoring, mooring, or in emergencies, they must be holding on and be positioned as to prevent falling overboard.



Working deck area to be used during normal operation



Working deck area to be used during anchoring, mooring and emergency operation

### 5. Design Categories

There are four design categories of boats based upon their ability to withstand wind and water conditions:

Category A – Designed for winds that may exceed wind force 8 (Beaufort scale – 40 knots) and a significant wave height of 4m and above.

Category B -- Designed for winds that include up to wind force 8 (Beaufort scale – 40 knots) and significant wave height up to and including 4m.

Category C – Designed for winds that include up to a wind force 6 (Beaufort scale – 27 knots) and a significant wave height up to and including 2m.

Category D – Designed for winds that include up to a wind force 4 (Beaufort scale – 16 knots) and a significant wave height up to and including 0.3m, with occasional waves of 0.5m maximum height.

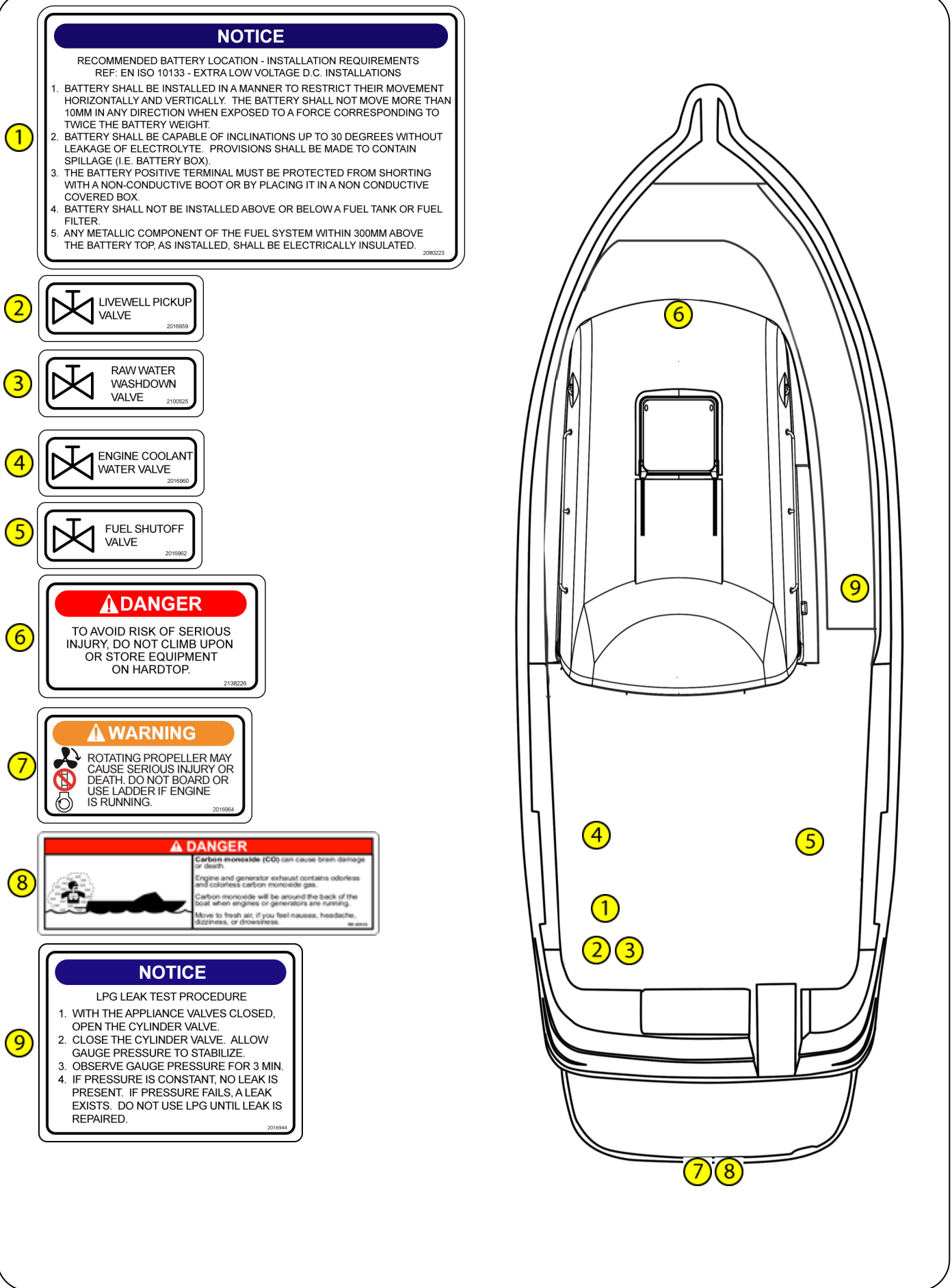
Refer to your product capacity plate for the design category of your boat.

#### **⚠ WARNING**

Do not attempt to operate boat in severe weather conditions. Death or serious injury can occur. Get to shore before the weather turns bad.

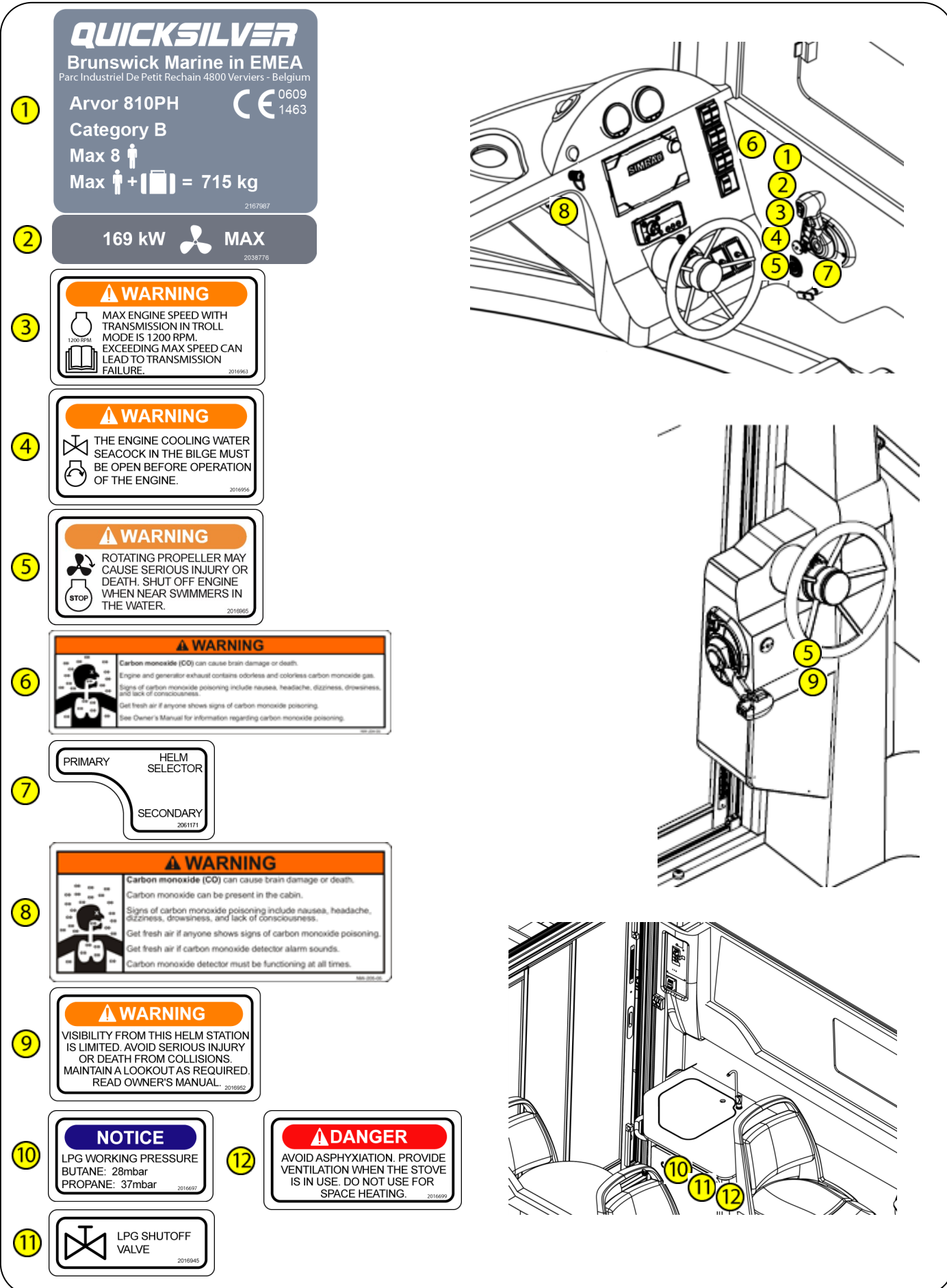
# Quicksilver 810 Arvor — General Information

## 6. Safety Label Locations



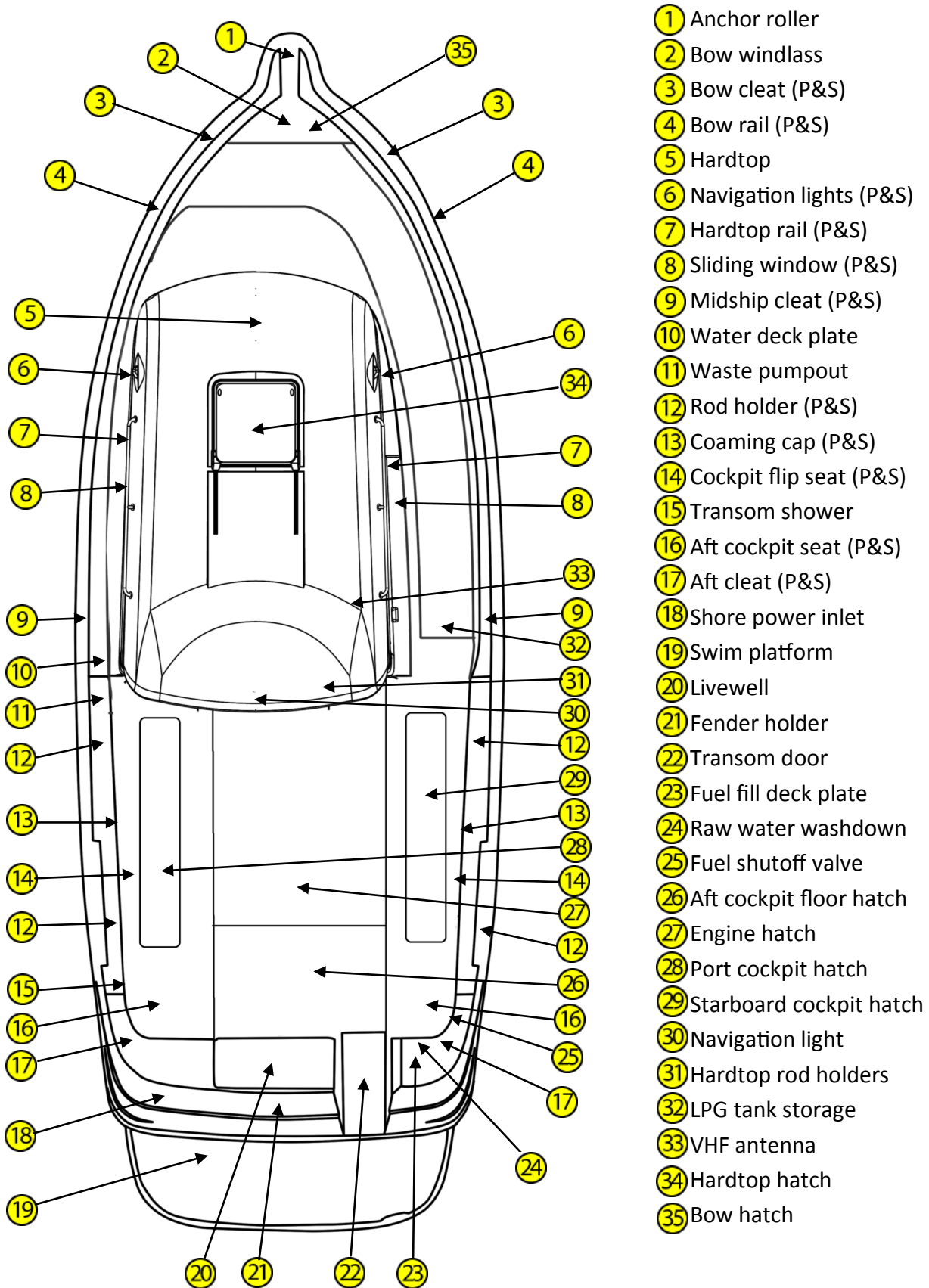
# Quicksilver 810 Arvor — General Information

## Safety Label Locations



## Quicksilver 810 Arvor — General Information

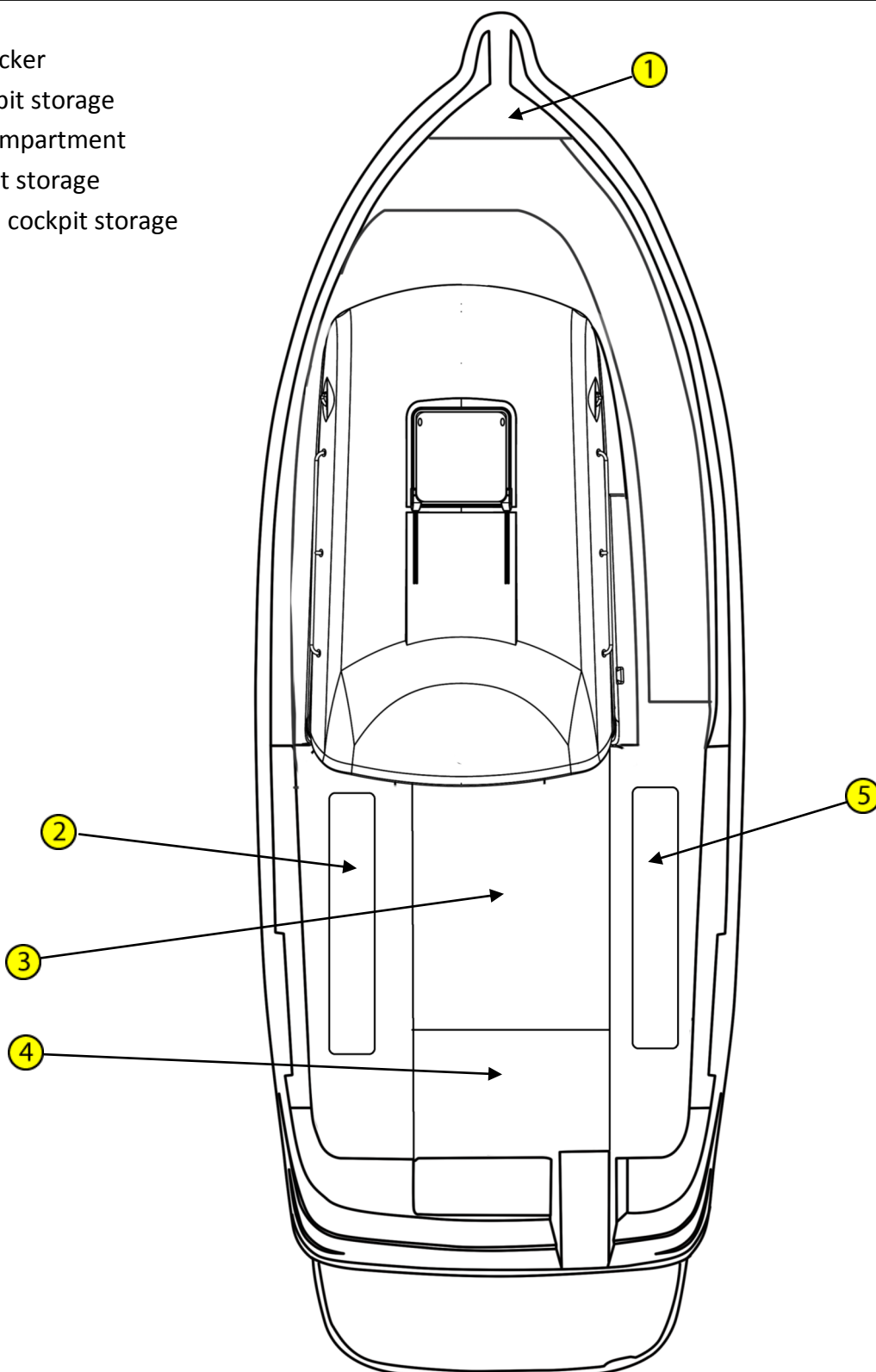
### 7. Deck / Cockpit Layout



## Quicksilver 810 Arvor — General Information

### 8. Cockpit Storage

- ① Anchor locker
- ② Port cockpit storage
- ③ Engine compartment
- ④ Aft cockpit storage
- ⑤ Starboard cockpit storage



#### **⚠ WARNING**

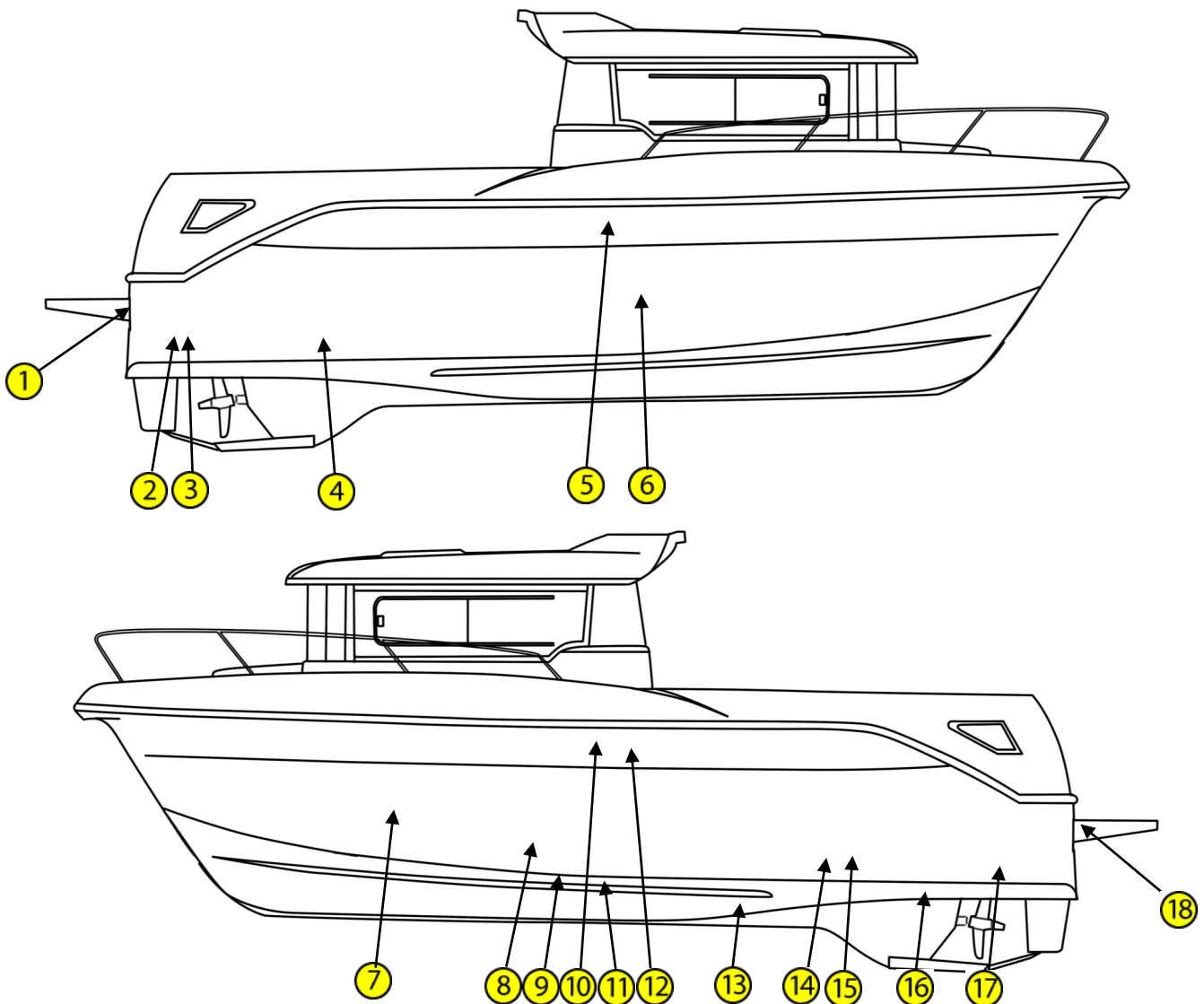
Do not store any equipment containing petrol (outboard engines, portable petrol tanks, etc.) in any interior storage areas. These compartments were not designed to store petrol and do not have adequate ventilation.

#### **NOTICE**

Quicksilver® recommends that the liferaft store in the aft cockpit hatch area.

## Quicksilver 810 Arvor — General Information

### 9. Thru Hull Locations



- |                             |                               |
|-----------------------------|-------------------------------|
| ① Starboard cockpit drain   | ⑩ Water tank vent             |
| ② Engine exhaust            | ⑪ Toilet water pickup         |
| ③ Livewell drain            | ⑫ Waste tank vent             |
| ④ Engine air box drain      | ⑬ Engine cooling water pickup |
| ⑤ Diesel heat exhaust       | ⑭ Bilge pump drain            |
| ⑥ LPG storage drain         | ⑮ Cockpit gutter drain        |
| ⑦ Sink drain                | ⑯ Livewell pickup             |
| ⑧ Bilge pump drain          | ⑰ Engine air box drain        |
| ⑨ Overboard discharge drain | ⑱ Port cockpit drain          |

#### NOTICE

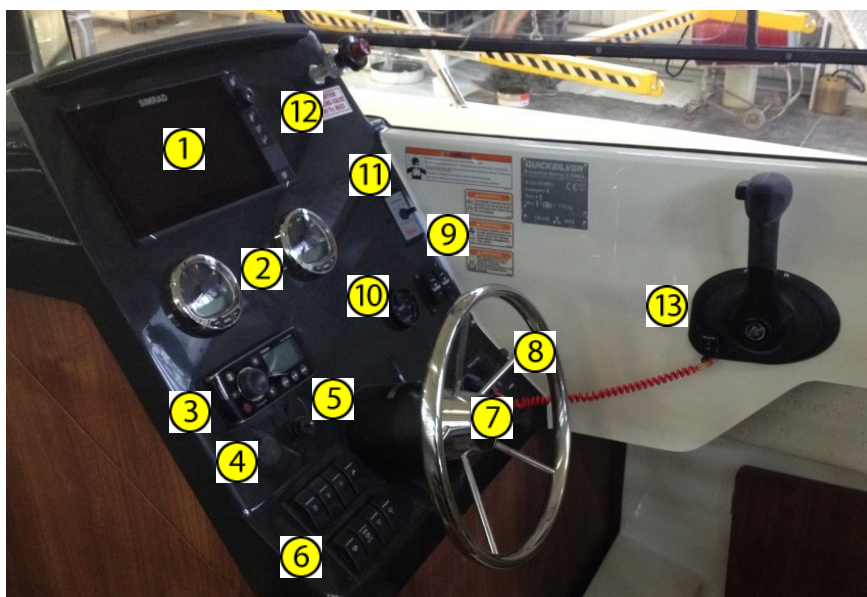
The deck drains provide self-bailing capabilities while the boat is static in the water and no passengers on board. This prevents accumulation of water in the cockpit.

#### NOTICE

Depending on the type of boat, you may have underwater fittings that need drain plugs. Garboard drain plugs and fishbox drain plugs need to be in place before the boat goes in to the water. Any fitting that will be underwater needs to be plugged or the seacock needs to be closed.

## Quicksilver 810 Arvor — General Information

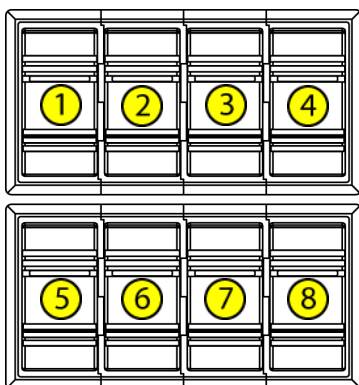
### 10. Dash Layout



- ① GPS
- ② SmartCraft™ gauges
- ③ Stereo
- ④ 12V outlet
- ⑤ USB receptacle
- ⑥ Helm switches
- ⑦ Steering wheel
- ⑧ Bow thruster control
- ⑨ Trim tab switches
- ⑩ Fire extinguisher override
- ⑪ Windlass switch
- ⑫ Trolling valve control
- ⑬ Engine throttle shift control

Please note that operator vision from the helm may be obstructed by high trim angles of the craft, along with other factors such as hull trim plane angles, loading and load distribution, speed & acceleration, transition from displacement to planing mode, sea conditions, rain and spray, darkness and fog, interior lights, position of tops and curtains, and persons or movable gear in the operator's field of vision.

#### Dash Switch Panel



- ① Bow navigation lights
- ② Anchor light
- ③ Lighting
- ④ Fresh water pump
- ⑤ Bilge pump
- ⑥ Bilge pump
- ⑦ Port wiper
- ⑧ Starboard wiper

### 11. Navigation Lights

Your boat comes equipped with navigation lighting for use at night or in low visibility conditions. Prior to running at night, make sure that the all around light located on the hardtop is in the upright position. There are two switches, located on the helm switch panel, that controls these lights. To turn on the Navigation Lights, push the upper part of the left switch forward to illuminate the port (red) and starboard (green) bow lights, and push the upper part of the right switch forward to illuminate the all around light (white) showing other vessels that you are underway. To turn on the Anchor Light, only push the upper part of the right switch illuminating the all around light (white), letting other boaters know that you are anchored at a given location.

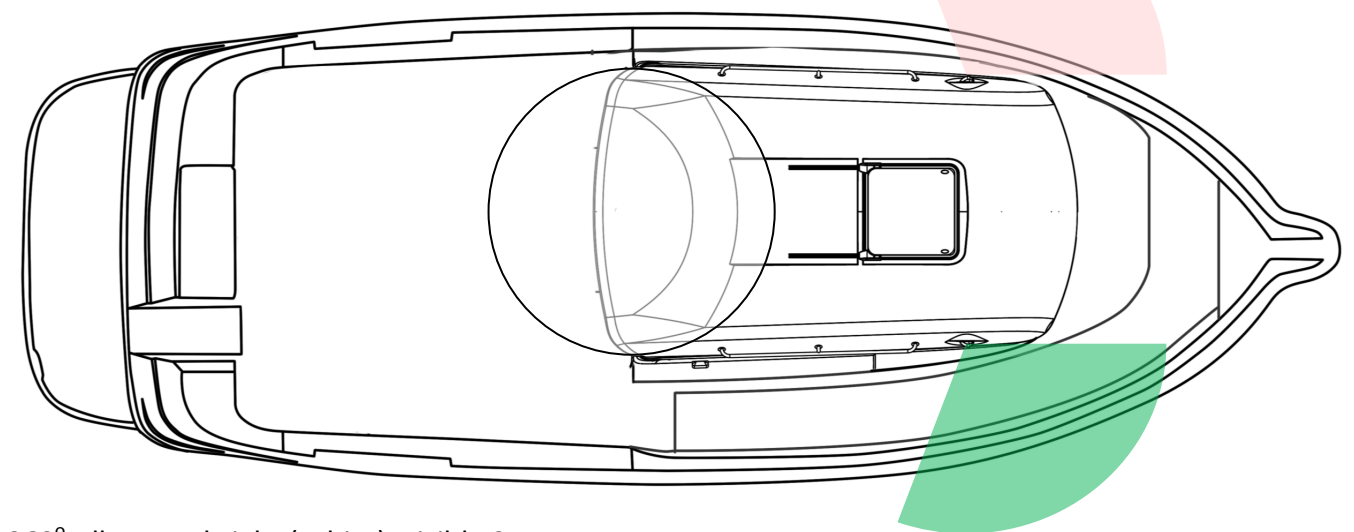
## Quicksilver 810 Arvor — General Information

### NOTICE

The International Regulations for Preventing Collisions at Sea (COLREG) and the rules of the road require that a proper lookout be maintained at all times and observance of right of way be respected. Always be certain to have sufficient distance to stop or manoeuvre if required to avoid collisions.

All around light folds down on the hardtop

112.5° Port Navigation Light (Red), visible 2NM



360° All Around Light (White), visible 2NM

112.5° Stbd Navigation Light (Green), visible 2NM

### 12. Engine

Your boat is propelled by a single Mercury diesel inboard engine. The maximum propulsion power rating for the craft is 169 kW. Do not operate this craft with an engine power rating larger than that posted on the power capacity label in the craft. The maximum power rating label is located at the helm, under the capacity plate.

Quicksilver® recommends that you fully comply with the manual provided by the engine manufacturer. Follow the recommended maintenance and warranty schedule in your Engine Operator's Manual. Refer to the Engine Owner's Manual for operating instructions and warranty information. The engines are under warranty from Mercury, not by Quicksilver®.

### ⚠ WARNING

Do not operate this craft with an engine of rated power greater than that posted on the capacity label. Do not operate at maximum speed while in congested waterways, or in weather or sea conditions of reduced visibility, high winds or large waves. Reduce speed and wake as a courtesy to others. Observe & obey speed limits and no wake zones.

169 kW



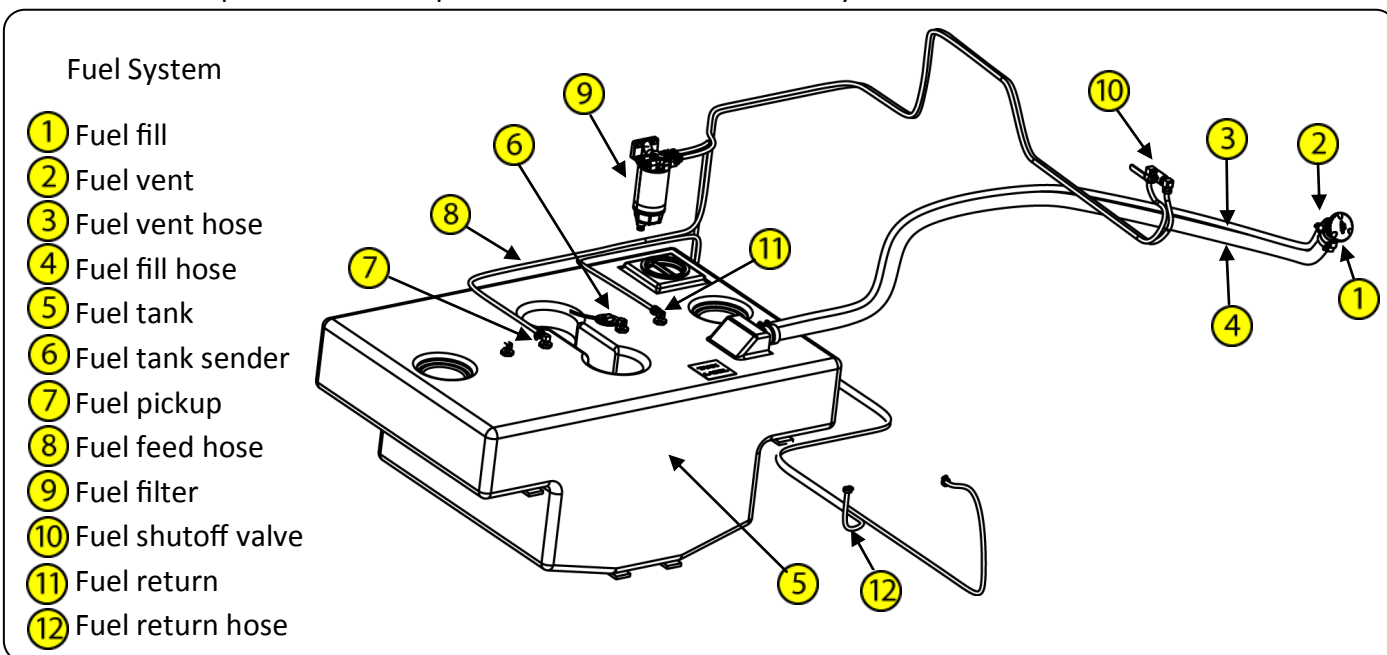
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# Quicksilver 810 Arvor — System & Component Overview and Operation

## 1. Fuel System

Your boat's diesel fuel system consists of a fuel tank, a fuel tank fill and vent fitting, a sending unit, a shutoff valve, an engine fuel supply line, and an engine fuel return line. In addition, there is an inline fuel filter to provide the adequate level of filtration for the system.



### Fuel Tank

Your boat is equipped with a crosslink polyethylene fuel tank with a capacity of 300 liters. As a precaution, all of the capacity may not be useable due to trim and loading conditions, so consider keeping at a minimum 25% reserve fuel in the tank.

Fuel tanks with levels less than 25% capacity can cause engine stalling problems due to fuel starvation or by allowing sediment and dirt to enter the fuel supply lines. Keep the tank full and monitor the fuel level often to prevent this from happening.

### Fuel Distribution

Fuel is delivered from the tank to the engine through the shutoff valve and the fuel feed line. The shutoff valve, located on the starboard aft side of the cockpit behind an access plate, is a safety feature designed to prevent fuel from siphoning out of the tank if the fuel feed line was ever cut or broken below the level of the fuel in the tank. If the feed line ever broke, you can close the valve to prevent the entire contents of the tank siphoning into the boat.

### Filling The Tank

It is best to maintain a full tank of fuel when the engine is not in use. This will reduce the air flow in and out of the tank due to changes in temperature.

When filling the tank, do not attempt to top off the tank. When the nozzle shuts off, the tank is full, and continuing to fill past the fuel fill shutoff will cause the system to spit fuel back.

### Fuel / Water Separator

The engine is provided with an element-type fuel filter built into the engine, however, to eliminate water and dirt, a 10 micron primary fuel / water separator is installed in the system.

### Maintenance

Periodically inspect for the presence of water in the fuel tank. If any is found, all water must be

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## Quicksilver 810 Arvor — System & Component Overview and Operation

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removed and the tank completely dried before refilling the tank with any fuel. Check the fuel lines frequently for leaks or any surface cracking on the hose. Replace the hose immediately if any issues are found.

### Storage

Long periods of storage and/or non-use, common to boats, create unique problems. When preparing to store a boat for extended periods, of two months or more, it is best to completely remove all fuel from the tank. If it is not possible to remove the fuel, maintaining a full tank of fuel with a fuel stabilizer added to provide fuel stability and corrosion protection is recommended.

REFER TO THE ENGINE MANUFACTURER'S MANUAL IN YOUR OWNER'S MANUAL PACKAGE FOR COMPLETE INSTRUCTIONS AND WARRANTY INFORMATION.

### WARNING

Do not obstruct or modify the ventilation system.

## 2. Fresh Water System

The fresh water system consists of an 80 liter water tank, pump, and plumbing connections for water to the galley and the transom shower.

### Filling the Tank

The water tank can be filled through the water fill inlet located on the port side deck trail next to the deckhouse. Fill the tank only from a source known to provide safe, pure drinking water. Use only a plastic hose to fill the water tank.

### Fresh Water Pump

The fresh water pump delivers water from the tank to the galley faucet and transom shower. To power the system turn on the WATER PUMP switch located at the helm. Turn off the power to the pump when your boat is not in use or when the fresh water tank is empty.

### Disinfect the Fresh Water System

The following is a recommended procedure to disinfect the fresh water system:

1. Flush the entire system thoroughly by allowing potable water to flow through it.
2. Drain the system completely.
3. Fill the entire system with an approved disinfecting solution. Check with your dealer for recommended products, and follow the manufacturer's instructions.
4. After disinfecting, drain the entire system.
5. Flush the entire system thoroughly several more times with potable water.

### Maintenance

Maintenance of the fresh water system will require you to check the fittings and hoses to make sure that there are no leaks. Before the winter season, the fresh water system must be completely drained to avoid damage.

### NOTICE

Be sure to fill the water tank from a source known to provide safe, pure drinking water.

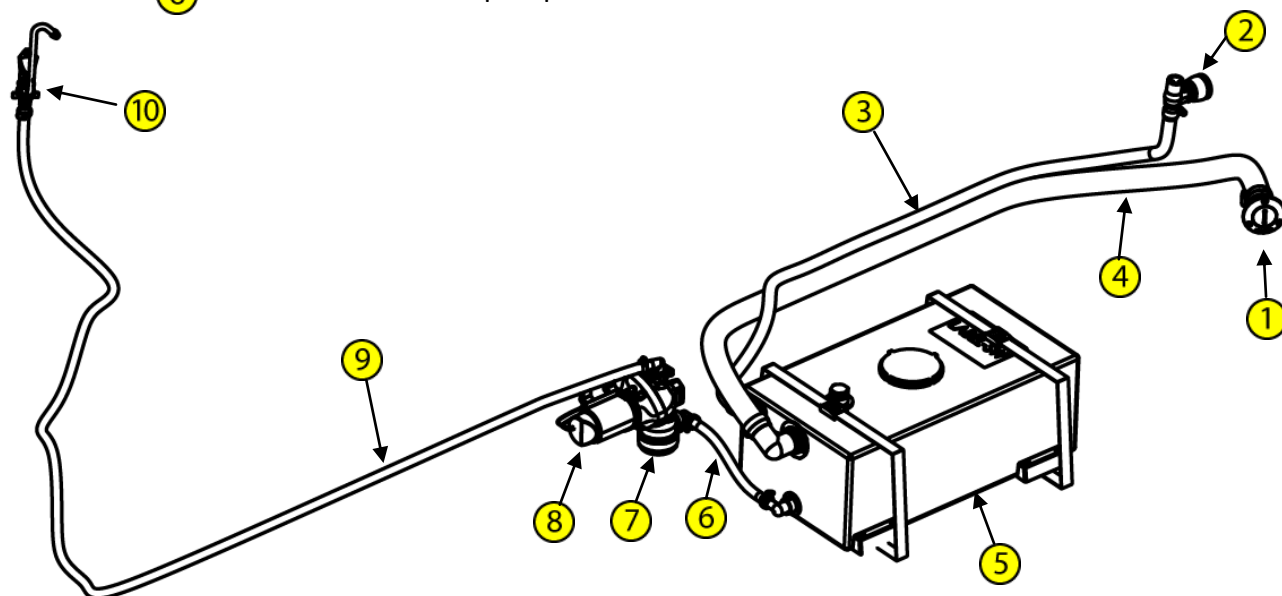
### NOTICE

If you do not use the freshwater system for long periods of time, or only use it seasonally, it is recommended that you disinfect the system before using.

## Quicksilver 810 Arvor — System & Component Overview and Operation

### Fresh Water System

- |                                 |                       |
|---------------------------------|-----------------------|
| ① Water tank fill               | ⑦ Water pump strainer |
| ② Water tank vent               | ⑧ Water pump          |
| ③ Water tank vent hose          | ⑨ Galley faucet hose  |
| ④ Water tank fill hose          | ⑩ Galley faucet       |
| ⑤ Water tank                    |                       |
| ⑥ Water tank to water pump hose |                       |



### 3. Black Water System (optional)

Your vessel may be equipped with a waste containment / disposal system. This includes a toilet water pickup, manual flush toilet, a 80 liter holding tank, macerator, discharge seacock, and a dockside pump out connection.

There are two possible toilet configurations. First, your boat could be equipped with a toilet located under a cover with a cushion on the starboard side of the cabin, or the toilet could be in an enclosed compartment located on the starboard side of the cabin.

#### Operation

Prior to using the toilet, make sure that the toilet water pickup valve, located under the center liner hatch, is opened. If your boat is equipped with the toilet located under a cover, remove the cushion covering the toilet lid. Next, rotate the lid over the toilet and remove the inboard toilet wall, exposing the toilet for use. When not in use, the forward toilet wall and toilet lid should be installed in place, covering the toilet.

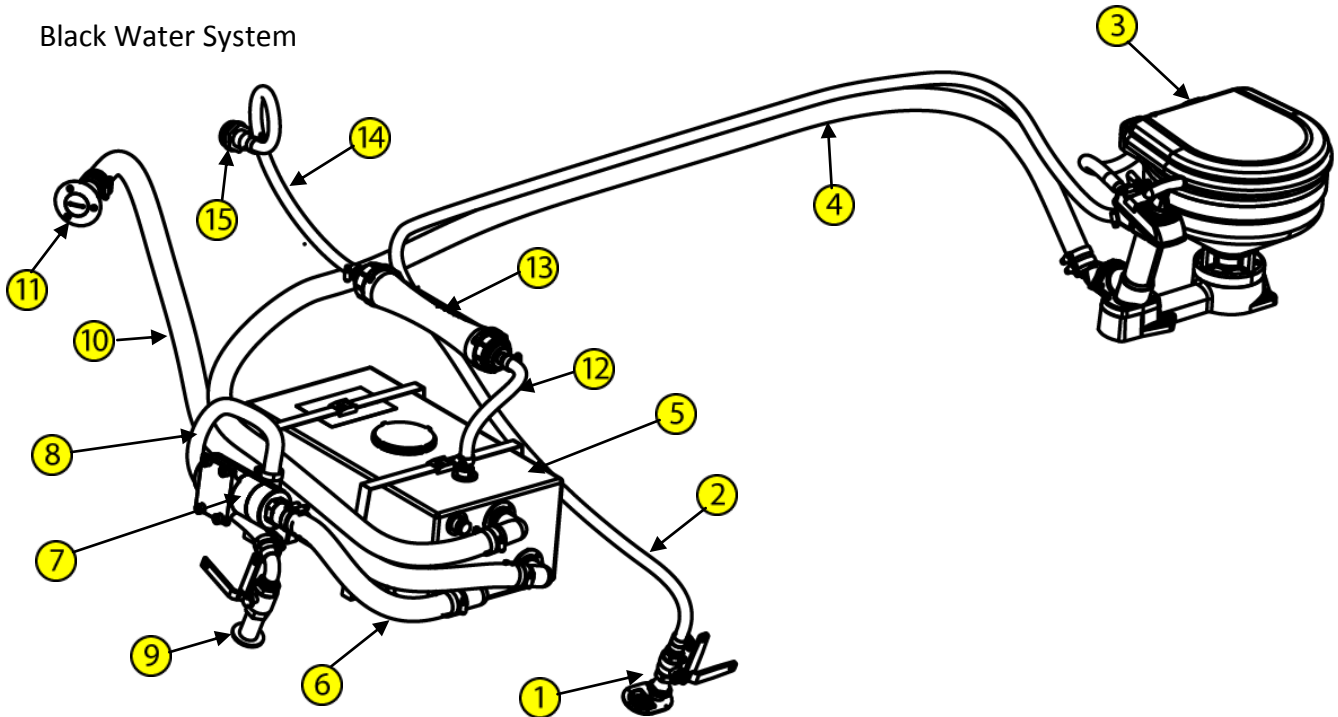
Refer to the toilet owner's manual in regards to specific operation of the toilet. When flushing the toilet, it will take approximately 19 complete up/down strokes for the contents to reach the holding tank.

#### Macerator

The macerator gives the boat operator the means of discharging the holding tank directly overboard through a seacock in the bottom of the hull. The macerator switch is located inside the

## Quicksilver 810 Arvor — System & Component Overview and Operation

Black Water System



- |                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| ① Toilet water pickup                   | ⑨ Overboard discharge                     |
| ② Pickup to toilet water hose           | ⑩ Holding tank to pumpout hose            |
| ③ Toilet                                | ⑪ Pumpout deck plate                      |
| ④ Toilet to holding tank hose           | ⑫ Holding tank to vent filter hose        |
| ⑤ Holding tank                          | ⑬ Vent filter                             |
| ⑥ Holding tank to macerator hose        | ⑭ Vent filter to tank vent thru hull hose |
| ⑦ Macerator                             | ⑮ Tank vent thru hull                     |
| ⑧ Macerator to overboard discharge hose |                                           |

### NOTICE

This boat is equipped with an overboard discharge seacock. Some countries levy severe penalties for discharging raw sewage and solid waste in waters where it is prohibited. Be aware of local environmental laws, and respect codes of good practice. Demonstrating that the macerator is disabled by locking the system and/or removing the seacock handle may avoid a fine.

### CAUTION

The toilet water pickup valve should always be in the closed position when not in use. Failure to do so could result in flooding, property damage, and/or loss of life.

cabin on the port pilaster. Since direct overboard discharge is prohibited in many areas, the macerator seacock is normally closed.

### To Operate the Macerator:

1. Make sure the macerator seacock is in the open position.
2. Press and hold the macerator switch located on the main battery panel. The macerator switch is a momentary switch, which means that it needs to be held in the "ON" position during operation.
3. When the tank is empty, release the macerator switch.
4. Return the macerator seacock to the closed position.

# Quicksilver 810 Arvor — System & Component Overview and Operation

## Dockside Pumpout

The dockside pumpout deck plate is located on the deck, at the forward port side of the cockpit, and is marked with the ISO symbol WASTE. The dockside facility will have the proper connections / fittings to pump the holding tank out.

## Maintenance

Maintenance of the waste system will require you to check the fittings and hoses to make sure that there are no leaks. If the system does require maintenance, or if you have any questions about the servicing of your black water system (i.e. cleaning materials, safe deodorants to use for the system), contact your local dealer. Quicksilver® recommends that you pump out the system before long periods of non-use. If you are storing the boat during the winter, we recommend you winterize the system.

### To Winterize the Waste System:

1. Empty the holding tank either via the macerator in an approved location or the dockside pumpout.
2. Pump water through the system (via the toilet) to remove any residue waste.
3. Empty the holding tank again, removing all liquids.
4. Pour an environmentally safe antifreeze (Propylene Glycol based) in the toilet and pump throughout the system.

Refer to the toilet manufacturer's requirements for additional winterization procedures.

#### NOTICE

The dockside pumpout deck plate does not have a chain connecting the cap to the deck plate. Use caution not to drop the deck plate cap into the water.

#### NOTICE

Avoid inadvertent discharge of the black water system. Always keep the macerator seacock closed when not in use.

## 4. Bilge Pumps

Your vessel is equipped with two bilge pumps, both located in the aft bilge area. A 650 GPH bilge pump is located in the keel of the boat while the second pump, a 500 GPH is located in the aft bilge. Both bilge pumps are activated automatically by a built in mercury free float switch when the water in the bilge reaches a predetermined level. You can also manually operate the bilge pump at the console by pressing the bilge pump switch.

Inspect the bilge pump intake and keep it free of dirt or material which may impede the flow of water through the pump. To clean the pump strainer, depress the lock tabs on both sides of the pump and lift the pump motor.

If water does not come out of the discharge hose:

1. Remove the motor module to see if the impeller rotates with the power on.
2. Remove any debris that may have accumulated in the nozzle section or strainer base.
3. Check hose and connection on hull side for debris and proper connections.

#### NOTICE

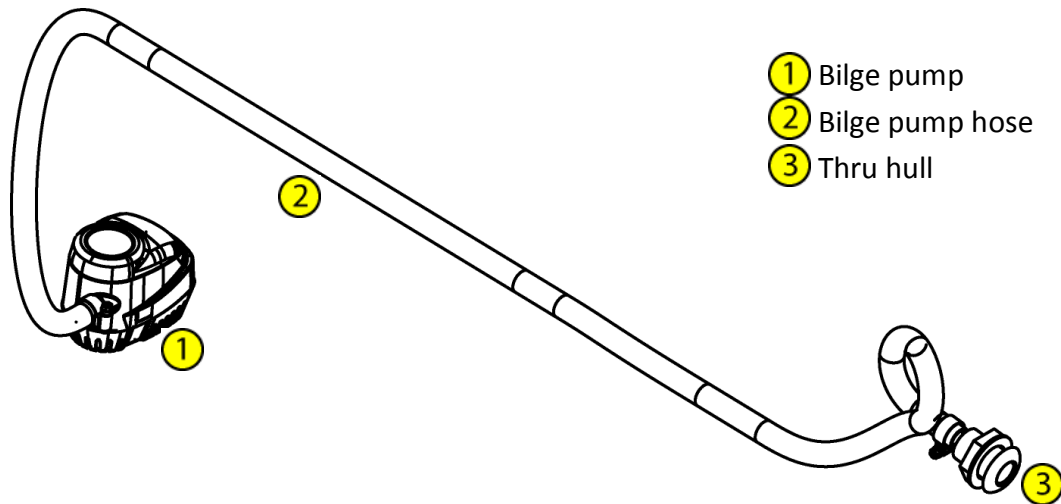
Check the function of all bilge pumps at regular intervals. Clear pump inlet from debris.

#### ⚠ WARNING

The bilge pumping system is not designed for damage control.

## Quicksilver 810 Arvor — System & Component Overview and Operation

Typical Bilge Pump System



### 5. Livewell & Raw Water Washdown

This boat comes installed with a 75 liter livewell and raw water washdown system. The livewell is located in the aft cockpit, while the raw water washdown is located at the starboard aft corner of the cockpit. The livewell is used to keep baitfish alive by circulating seawater through the tank.

#### Livewell Operation

Before operating the system, make sure that the livewell / raw water pickup valve is in the open position. The livewell / raw water pickup valve can be accessed through the bilge hatch.

To fill the livewell, press the switch marked “LIVEWELL” on the switch panel located on the aft port side of the boat under the gunnel cap. Inside the livewell, there is an aerator spray head that allows you to control the flow of water. To increase the flow of water, turn the spray head counterclockwise, while turning the spray head clockwise decreases the flow. Located in the center of the livewell, there is a drain tube which allows excess water to flow overboard, and fresh seawater to continually circulate. To drain the livewell, simply unscrew the drain tube.

#### Raw Water Washdown Operation

Before operating the system, make sure that the livewell / raw water pickup valve is in the open position. To operate, press the switch marked “RAW WATER WASHDOWN” on the switch panel located on the aft port side of the boat under the gunnel cap. This activates a 4.0 GPM pump that supplies water to the washdown sprayer.

#### Maintenance

Maintenance of the livewell and raw water washdown system will require you to check the fittings and hoses to make sure that there are no leaks. Check the in-line strainer attached to the pump and clean if necessary. If the system does require maintenance, contact your local dealer.

If you are storing the boat during the winter, we recommend you winterize the system.

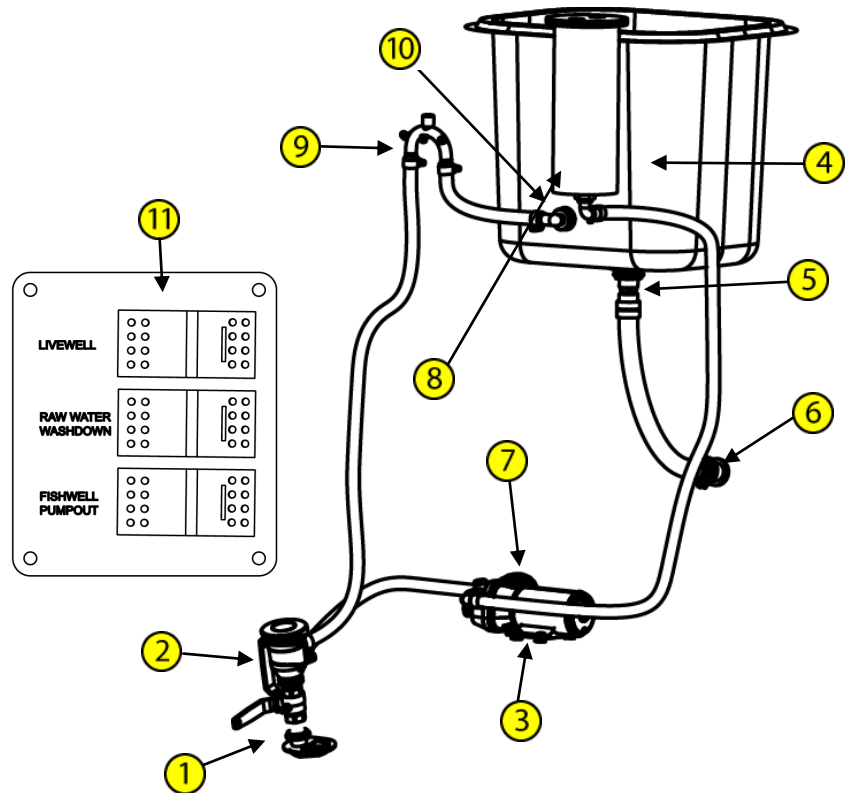
#### To Winterize the Livewell & Raw Water Washdown System:

Drain the water out of all of the hoses in the livewell / raw water washdown system. Remove the sprayer from the raw water washdown hose and drain the water out of the hose.

## Quicksilver 810 Arvor — System & Component Overview and Operation

### Livewell—Raw water

- ① Livewell/ raw water pickup valve
- ② Livewell pump
- ③ Raw water pump
- ④ Livewell tub
- ⑤ Livewell drain tube
- ⑥ Livewell drain thru hull
- ⑦ In-line water filter
- ⑧ Raw water sprayer hose
- ⑨ Vented loop
- ⑩ Aerator
- ⑪ Livewell / raw water panel



### 6. Fire Suppression

Fire is a serious boating hazard. Boats will burn quickly. Do not remain onboard and fight a fire for more than a few moments. If the fire is out of control and cannot be put out with the fire suppression equipment onboard, abandon ship immediately.

The boat, when in service shall be equipped with the following portable fire extinguisher:

1. Fire Rating 13A 89B C

The boat owner/operator shall:

1. Have the fire fighting equipment checked at the intervals indicated on the equipment.
2. Replace portable fire extinguisher, if expired or discharged, by devices of identical fire fighting capacity.
3. Have fixed systems refilled or replaced when expired or discharged.
4. Ensure that the fire fighting equipment is readily accessible when the boat is occupied.
5. Inform the members of the crew about the location and operation of the fire fighting equipment, the locations of discharge openings in to the engine space, and the locations of escape routes and exits.
6. Keep the bilges clean and check for fuel and gas vapors or fuel leaks frequently.

The fire extinguisher is located inside the cabin by the entry door under the step in the cabin.

### ⚠ WARNING

Never obstruct passageways to exits or hatches, safety controls (fuel valves, LPG valves, electrical switches, etc.), portable fire extinguishers stowed in lockers, or modify any of the craft's system (especially fuel, LPG, or electrical) or allow unqualified personnel to modify any of the craft's system.

## Quicksilver 810 Arvor — System & Component Overview and Operation

Your boat is also equipped with a 5m<sup>3</sup> fixed automatic fire extinguisher located on the port side of the bilge to protect the engine space. In the event of a fire on board your vessel underway, the system will discharge its entire contents to extinguish the fire. In addition, the engine will shut down immediately by the discharge so that the fire cannot be fueled by the continued operation of the engine.

In the event of your extinguisher discharging,

1. Shut down all electrical systems, engines and extinguish all smoking materials.
2. Allow the agent to “soak” the compartment for at least 15 minutes.
3. DO NOT open the machinery access compartment hatch.
4. DO NOT breathe the fumes or vapors caused by fire as they are hazardous and toxic.
5. When opening the hatch, have a portable fire extinguisher at hand and ready for use.
6. High concentrations of the agent may cause DEATH without warning. The vapor reduces available oxygen for breathing.
7. If possible; allow the compartments vapor to dissipate before opening the hatch.

If necessary after the system has discharged, there is an override switch located at the helm that will allow you to restart the engine, if required.

Fire Extinguisher



① Fire extinguisher

### 7. Carbon Monoxide Monitor

Quicksilver® boats are equipped with carbon monoxide (CO) monitors in the cabin and enclosed berths or staterooms. Carbon Monoxide is an odorless, colorless, tasteless, and extremely toxic gas produced by engines, heaters, stoves or generators. When inhaled it combines with hemoglobin in the blood, preventing absorption of oxygen and is unlikely to be noticed until the person is overcome. Prolonged exposure to low concentration or very short exposure to high concentrations can result in asphyxiation and death.

Symptoms of Carbon Monoxide poisoning include dizziness, headaches, ringing in the ears, nausea, or unconsciousness. GET MEDICAL ATTENTION AS SOON AS POSSIBLE. These symptoms are often confused with seasickness or intoxication, so those affected may not receive the medical attention they need. The poisoning victim's skin often turns cherry red. If CO poisoning is suspected, have the victim breath fresh air deeply. If breathing stops, resuscitate. A victim often revives, then relapses because organs are damaged by lack of oxygen.

## Quicksilver 810 Arvor — System & Component Overview and Operation

### Carbon Monoxide Accumulation & Prevention

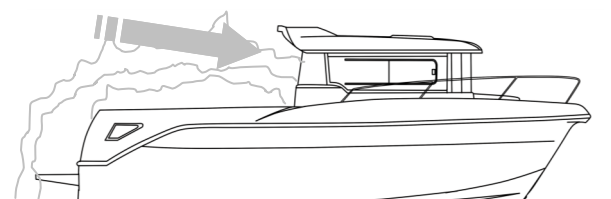
Carbon Monoxide can accumulate in dangerous concentrations anywhere in or around your boat including on back decks, swim platforms, or in water around generator exhausts. CO can remain in or around your boat at dangerous levels even if your engine is no longer running. To minimize the risk of Carbon Monoxide poisoning, consider the following:

- Make sure that at all times, there is good ventilation throughout the boat. Open all hatches, portlights, or canvas openings to let fresh air circulate.
- Never operate the boat with the canvas enclosure unless there is ventilation throughout the boat (i.e. forward and aft canvas panels are removed to allow air flow through the boat).
- Never operate the boat with only the cabin entry door opened.

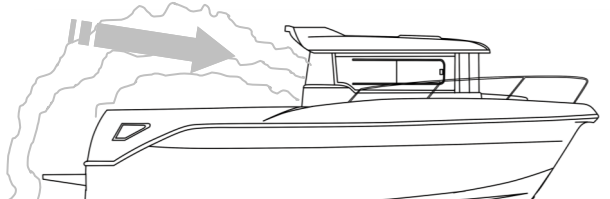
In the event that the Carbon Monoxide alarm activates:

- Do not ignore the alarm.
- Evacuate enclosed areas immediately.
- Shut OFF any fuel burning equipment or appliances
- Open hatches, doors, portlights and canvas openings to improve ventilation.
- Head the boat into the wind.

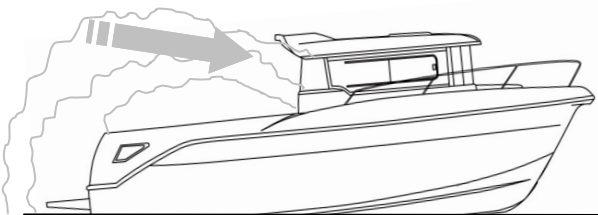
#### Accumulation of Carbon Monoxide Examples



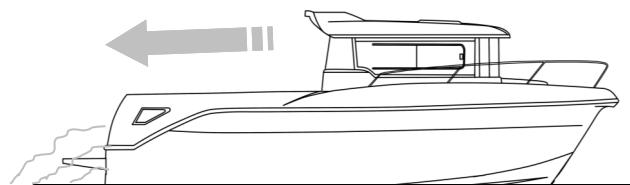
Wind blowing exhaust towards boat occupants



Operating at slow speed or dead in the water



Operating with “bow high” attitude



Good air flow — open all hatches, portlights or canvas openings to let fresh air circulate

Carbon Monoxide can accumulate in dangerous concentrations anywhere in or around your boat including on back decks, swim platforms, or in water around generator exhausts. CO can remain in or around your boat at dangerous levels even if your engine is no longer running.

The CO monitor is an electronic instrument that detects carbon monoxide. The detector is very sensitive and will notify you before dangerous amounts of CO can accumulate which will allow you to take measures to dissipate the gas from the affected areas. When there is a buildup of CO in the cabin, the monitor will alert the occupants by flashing a DANGER light and sounding an alarm. The CO monitor is powered through a breaker on the battery panel in the cockpit.

It is important that you read and understand the CO monitor information and operating instructions.

## Quicksilver 810 Arvor — System & Component Overview and Operation

It is extremely important that you become familiar with the CO monitor and its functions.

### Testing the CO Monitor

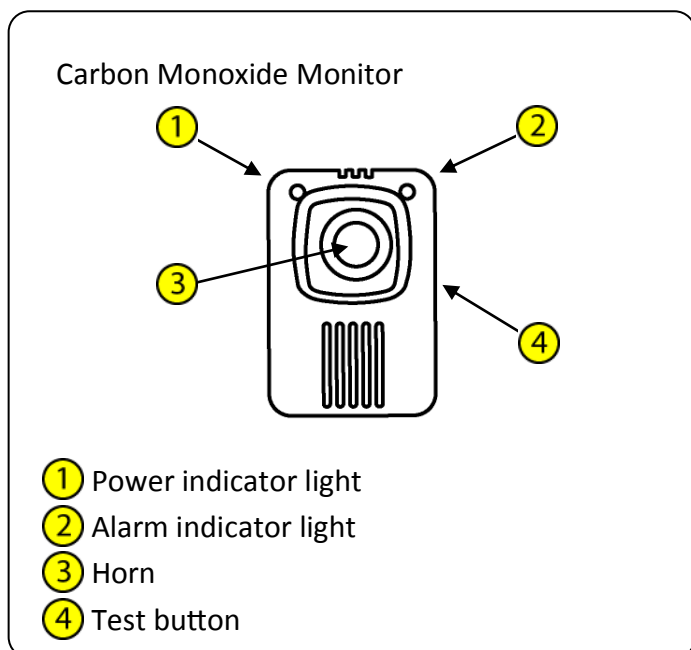
Test the monitor on your boat at manufacturers required intervals by pushing the TEST button on the side of the unit. If the unit is operating correctly both audible and visual warning indicators will be activated.

### End of Life Signal

Your CO detector may be equipped with an End Of Life (EOL) signal indicating the sensor used in the unit has reached the end of its service life and must be replaced. The signal is activated from a timer that will run for 4 years, 11 months from the date of manufacture. Depending on your monitor, the EOL signal indicator varies, so check the unit's operation manual for further information and instructions.

The EOL signal can be reset for a period of 72 hours (3 days) for a total of up to 30 days. After this time, the unit will continuously signal EOL and will no longer detect CO and **MUST BE REPLACED! DO NOT DISCONNECT THE ALARM UNTIL YOU HAVE A REPLACEMENT ALARM AVAILABLE TO INSTALL! REMOVING THE LITHIUM BATTERY WILL CAUSE THE UNIT TO SIGNAL EOL PERMANENTLY!**

REFER TO OWNER'S MANUAL PACKAGE FOR INSTRUCTIONS AND WARRANTY INFORMATION.



### **⚠ DANGER**

Fumes for the engine(s), generator, LPG stoves, and other equipment that burns fuel contain Carbon Monoxide. Carbon Monoxide can kill you. Open all doors, hatches, curtains, and windows to allow fresh air to circulate.

### **⚠ DANGER**

Never ignore an alarm.

### **⚠ CAUTION**

To reduce the risk of Carbon Monoxide poisoning, test the monitor operation when not in use for 10 days or more.

## 8. LPG System

Your boat's LPG system consists of a stove, a shutoff valve, and a storage tub for two 2kg LPG tanks. Quicksilver® does not provide a tank or a regulator with the boat, however, both can be purchased through your authorized Quicksilver® dealer.

### Stove

There is a single burner LPG stove on the galley, located on the port side of the cabin. Refer to the stove owner's manual for specific details on operation. Do not use stove when high angles of rolling or sustained angles of heel are likely. When using the stove, open the port and starboard sliding cabin windows, along with the companionway door make sure that there is plenty of ventilation throughout the cabin. Also, make sure that the port window curtains are stored in the forward position (not over the stove).

## Quicksilver 810 Arvor — System & Component Overview and Operation

### Tank Storage

The LPG tank storage is located in the starboard walkthrough. The tanks must be firmly secured to the boat with the tanks in a horizontal position. Do not relocate or reposition the tanks. Do not obstruct access to the LPG tanks in any way. Make sure to keep valves on empty cylinders closed and disconnected, and keep protective covers, caps or plugs in place. Only keep spare cylinders in ventilated housings on open decks or in gas-tight lockers which are vented overboard and intended for storing LPG tanks. Finally, do not use LPG cylinder housing for storage of any other equipment.

### LPG Shutoff Valve

An inline fuel shutoff valve is located in the forward storage area in the galley. Always close fuel supply line valves and cylinder valve when appliances are not in use. Also, remember to close all valves before refueling and immediately in an emergency. Finally, be sure appliance valves are closed before opening cylinder valve.

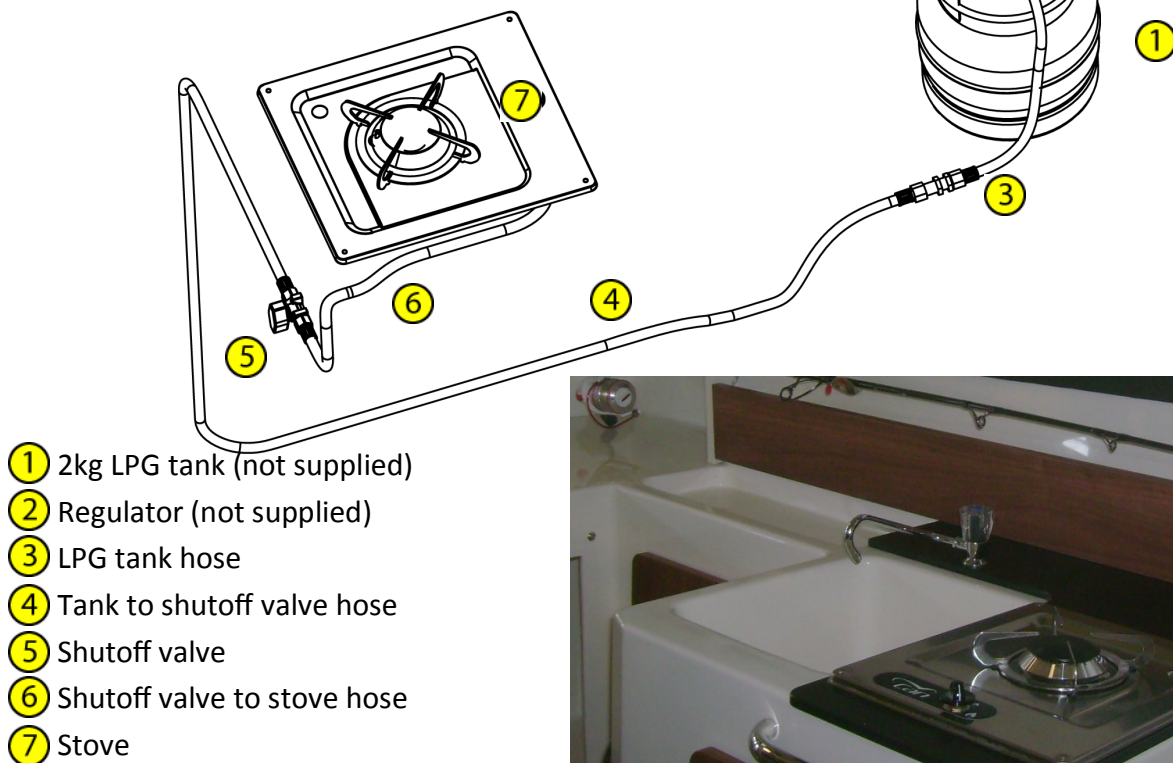
### LPG Pipe & Hoses

Your LPG system consists of hoses connecting the LPG tank to the stove. The hoses in the LPG system must be inspected regularly, at least annually, and replaced if any deterioration is found.

#### LPG System

##### NOTICE

LPG working pressure: Butane = 28mbar, Propane = 37mbar



# Quicksilver 810 Arvor — System & Component Overview and Operation

## ⚠ WARNING

Ensure that when the LPG stove is on, avoid contact of materials to the open flame. Never leave craft unattended when open flame LPG consuming appliances are in use.

## ⚠ WARNING

Do not smoke or use open flame when replacing LPG cylinders. Close cylinder valves on empty cylinders before disconnecting for replacement.

### System Leak Test

Prior to the boat leaving the factory, the LPG system is tested for any potential leaks. However, Quicksilver® recommends that you test the system regularly. Test all connections for leakage by means of the following:

1. Before each use, close appliance valves; open LPG cylinder valve; allow indicated gauge pressure to stabilize; close LPG cylinder valve; observe pressure gauge reading near cylinder valve for three minutes; pressure gauge reading should remain constant if no leak in the system is present. **IF PRESSURE GAUGE READING FALLS, LEAK IS PRESENT. DO NOT USE LPG APPLIANCES.**
2. Routine observation of bubble leak detector (if fitted on the system).
3. Manual leak testing with foam-producing, soapy water or detergent solutions (with appliance burner valves closed and cylinder and system valves open); foam-producing solutions for leak detection on gas installations in accordance with EN 14291 meet these requirements.

If a leak is present, shut off the LPG supply at the main supply valve. Extinguish any open flames (heaters, stoves, etc.) and do not operate any electric switches. Finally, evacuate the area if possible. Quicksilver® recommends that any LPG system repairs should be made by your authorized Quicksilver® dealer.

## ⚠ WARNING

Fuel burning open flame appliances consume cabin oxygen and release products of combustion into the craft. Ventilation is required when appliances are in use. Open designated vent openings while appliances are in use. Do not use the stove or oven space heating. Never obstruct ventilation openings.

## ⚠ WARNING

If a leak is detected, shut off the main LPG supply valve and do not use LPG appliances

## ⚠ WARNING

Do not use an LPG system that has leaked until it has been inspected and repaired by a competent person.

## ⚠ WARNING

Do not use solutions containing Ammonia

## ⚠ CAUTION

Never use flames to check for leaks

### Changing LPG Cylinders

To replace empty LPG cylinder:

1. Turn off the stove and close the shutoff valve.
2. Close the valve on the LPG cylinder.
3. Remove the regulator by turning the nut clockwise.
4. Replace the empty tank.
5. Inspect the regulator. Make sure that the gasket located on the regulator nut is in good condition. If not, replace regulator gasket or regulator itself.
6. Re-install and tighten the regulator by turning the nut counterclockwise.
7. Check for any leaks before restarting the stove.

### 9. Bow Anchor Windlass

The anchor windlass located at the bow of the boat assists with the anchoring of your boat by automatically raising and lowering the anchor. The windlass is operated from the helm.

## Quicksilver 810 Arvor — System & Component Overview and Operation

### Operation

To operate the windlass, the windlass breaker, located next to the battery switch in the aft bilge, must be turned ON. Operation of the windlass at the helm is controlled by a momentary switch used to raise and lower the anchor. Pushing down on the switch will lower the anchor, while pushing up on the switch raises the anchor.

### Manual operation

In the event that there is a loss of power, the windlass can still be used to raise or lower the anchor manually. If there is a loss of power, check the windlass breaker to see if it needs to be reset. If you reset the breaker and it continues to trip, have your authorized Quicksilver® dealer inspect the system.

In order to manually operate the windlass and lower the anchor into the water, insert the emergency handle (provided by the windlass manufacturer) into the star socket located at the top of the gypsy cover and turn counter-clockwise. This loosens the clutch holding the anchor rode and chain in place and allows the anchor to be deployed into the water. The speed of the rode can be adjusted by turning the handle clockwise. To re-engage the clutch and lock the rode from moving, turn the handle clockwise.

#### Bow Anchor Windlass



- ① Bow windlass
- ② Windlass breaker
- ③ Windlass switch

### NOTICE

Before operating the windlass, make sure that the safety lanyard is removed from the anchor.

To manually raise the anchor, loosen the clutch by turning the handle counter-clockwise, and pull the anchor up into the boat. Make sure to properly feed the rode and chain through the windlass when pulling up the anchor. When the anchor is up and stowed properly in the bow pulpit, re-engage the clutch by turning the handle clockwise.

## Quicksilver 810 Arvor — System & Component Overview and Operation

### 10. Stern Anchor Windlass (optional)

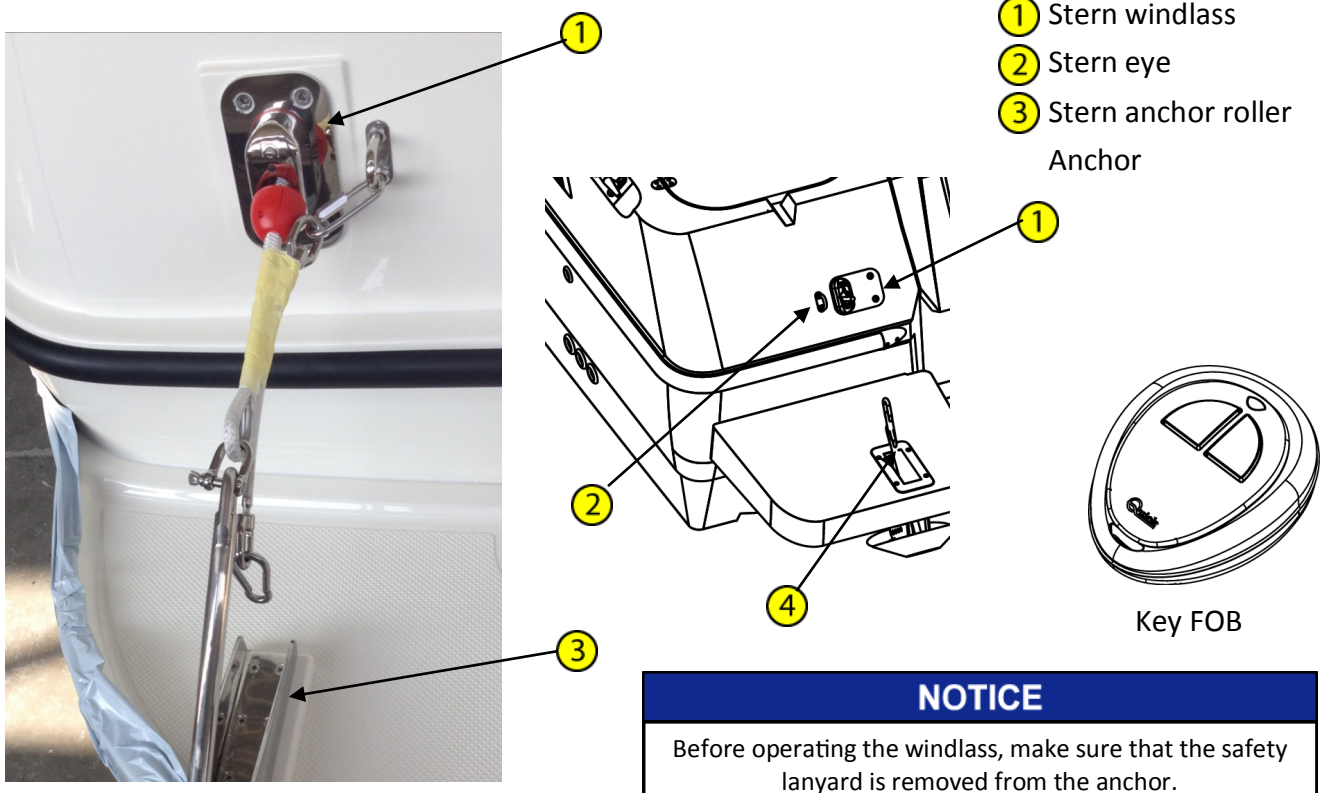
The anchor windlass located at the stern of the boat assists with the anchoring of your boat by automatically raising and lowering the anchor. The windlass is operated from the helm or by a handheld remote control key FOB.

#### Operation

To operate the windlass, the windlass breaker, located next to the battery switch in the aft bilge, must be turned ON. Operation of the windlass at the helm is controlled by a momentary switch used to raise and lower the anchor. Pushing down on the switch will lower the anchor, while pushing up on the switch raises the anchor.

Built in to the stern windlass is an auto stop function that shuts the motor off once the anchor is fully retracted and in the stored position on the anchor roller. Mounted on the transom, the leaded core rope goes through a mounting plate containing sensors. A red auto stop located at the end of the rope will automatically shut the windlass off when it comes in contact with the sensors in the mounting plate.

Stern Windlass



### 11. Bow Thruster

The electric bow thruster assists with the maneuvering of your vessel when docking. Access to the motor and battery is via the forward berth storage area, while the battery switch is located under the step in the interior cabin.

#### Operation from the helm

To operate the thruster, you first must turn the thruster battery switch to the ON position. At the helm, press the on/off switch on the control panel. An LED will flash and a buzzer will sound

## Quicksilver 810 Arvor — System & Component Overview and Operation

continuously. Press the on/off switch again within 6 seconds . The system will confirm that it is ready for use when the LED light remains green and the buzzer sounds twice.

To move the bow to the port direction, push the joystick to the left. To move the bow to the starboard direction, push the joystick to the right. Refer to the thruster owner's manual for complete details on the operation and warranty information.

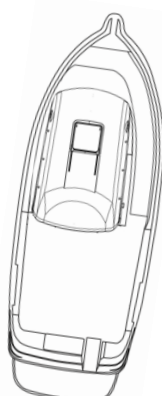
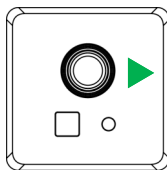
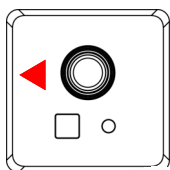
To turn off the bow thruster controls, press the on/off switch once.

### Bow Thruster



- ① Battery switch
- ② Charge relay
- ③ Control panel

### Bow Thruster Movement



### **⚠ DANGER**

Do NOT test the bow thruster while the boat is out of the water, unless you are certain that everyone is a safe distance from the thrust tube.  
Never allow the bow thruster to run for longer than 5 seconds with the boat is out of the water.

### **⚠ CAUTION**

If 2 control panels are installed at separate helms, never operate the bow thruster from both panels simultaneously.

### **NOTICE**

Refer to the bow thruster owner's manual for exact battery requirements

## Quicksilver 810 Arvor — System & Component Overview and Operation

### 12. Steering

Your boat comes equipped with a hydraulic steering system connected to a single rudder. The basic system for a single engine boat contains a steering wheel, a hydraulic helm pump, a hydraulic steering cylinder, hydraulic hoses, and a bypass valve system.

#### Operation

When turning the steering wheel, the helm pump forces hydraulic fluid through hoses to and from the steering cylinder which is connected to the tiller arm on the rudder. The cylinder moves the tiller arm to either port or starboard, depending upon the direction the steering wheel is turned.

#### Filling and Maintenance

A hydraulic steering system rarely needs to be refilled after the system is bled. However, if you ever need to add fluid to the system, refer to the steering manufacturer's manual for complete instructions.

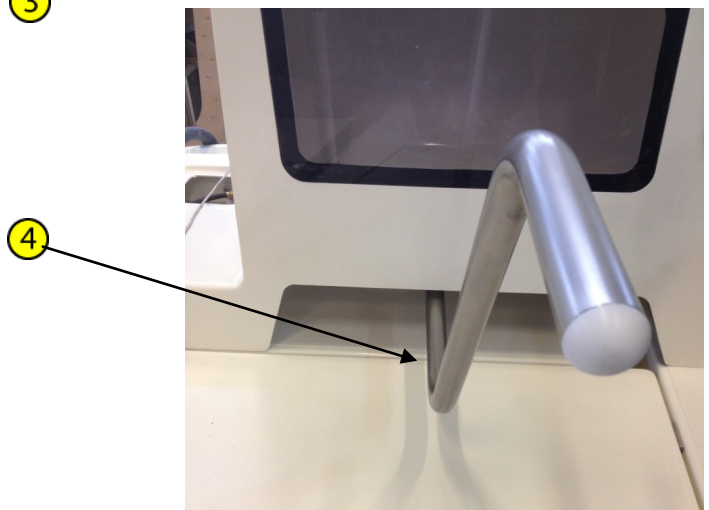
#### Emergency Steering

In the event of loss of steering, your boat is equipped with an emergency steering tiller arm. To use insert the manual tiller arm extension onto the rudder shaft. Next, rotate the bypass valve located in the starboard aft corner access hatch, 90 degrees down. This allows the hydraulic fluid to bypass the helm and allow manual movement of the rudder.

#### Steering



- ① Steering wheel
- ② Steering helm
- ③ Bypass valve
- ④ Emergency steering tiller arm



## Quicksilver 810 Arvor — System & Component Overview and Operation

### 13. Engine Operation

Your boat is powered by a Mercury 2.8L closed cooled diesel engine with a transmission connected to a straight drive shaft. Prior to operation of the vessel, the following will need to be observed:

#### Engine Cooling System

Make sure that engine cooling water is flowing throughout the system. On the port side of the engine compartment, there is an external water pickup for cooling the engine. Prior to starting the engine, make sure that the seacock is opened and water is throughout the system. **FAILURE TO DO THIS WILL CAUSE DAMAGE TO THE ENGINE.**

Check the system to make sure that the seawater strainer is clear and free of any debris. To clean the seawater strainer:

1. Close the seacock so that no water will enter the engine.
2. On the top of the strainer, rotate the clear top counter-clockwise.
3. Remove the basket and debris in the strainer. Flush the basket and strainer with clean water.
4. Re-install the strainer element and grease the O-rings.
5. Secure the lid. Never use tools for tightening the lid.
6. Check to make sure that the lid is installed properly. An improperly sealed lid will result in air being sucked in by the seawater pump, and could result in overheating the engine.

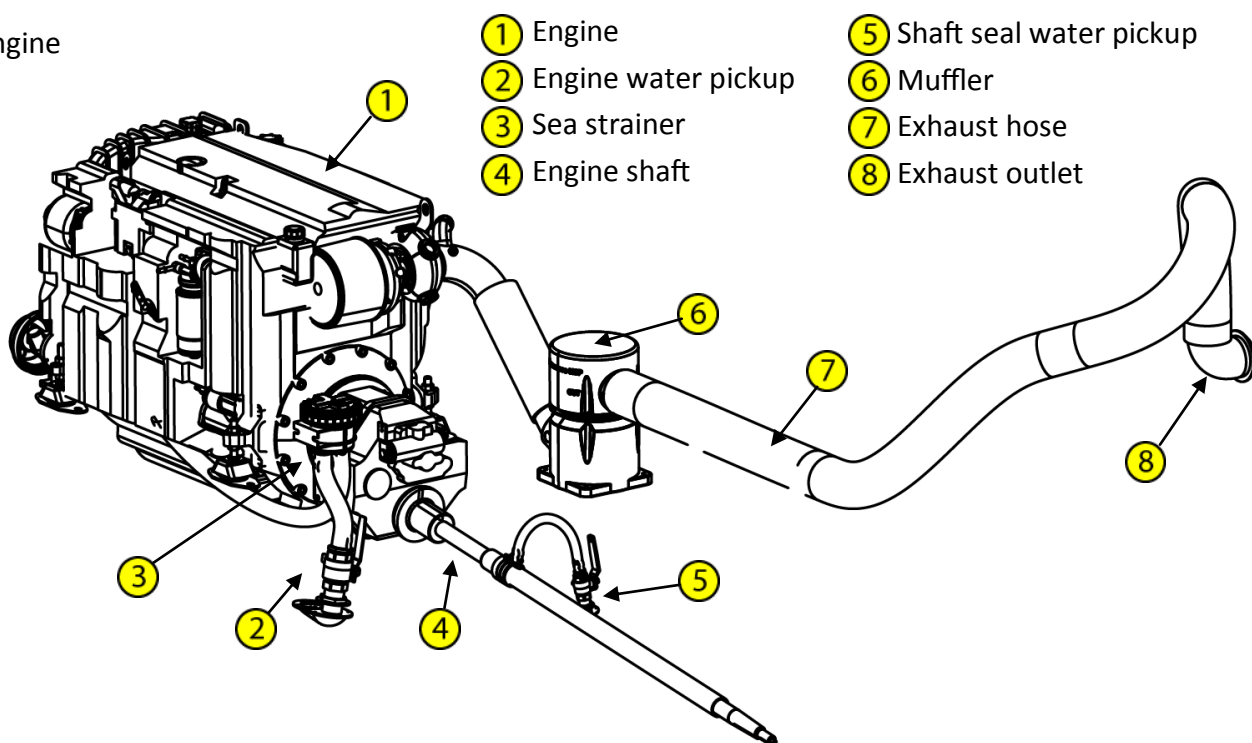
#### ⚠ CAUTION

Make sure that the engine cooling system seacock is **OPEN** before starting the engines. Keep the engine cooling seacock **OPEN** while the engine is running.

#### Shaft Cooling System

In addition, there is a water pickup connected to the shaft stuffing gland. Prior to starting the engine, make sure that the seacock is opened. **FAILURE TO DO THIS WILL CAUSE DAMAGE TO THE SHAFT SEAL.**

Engine



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## Quicksilver 810 Arvor — System & Component Overview and Operation

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### Exhaust System

Your boat is equipped with a thru hull exhaust system with an inline muffler located on the starboard side of the boat. Water from the cooling system enters the exhaust system through the engine exhaust manifold, where water and exhaust are mixed. Water and exhaust is then pumped through the muffler and then overboard through the exhaust outlet. Make sure water is flowing from the exhaust outlet while the engine is operating.

Prior to every boat use, examine the exhaust system fittings to ensure tightness.

### 14. Engine Controls

Your boat comes with a mechanical gear shift/throttle control unit, located to the starboard of the steering wheel, which activates both the shifting and throttle for the engine.

To start the engine, the control unit must be in the NEUTRAL position. When in neutral, the engine is running, but the propeller is not spinning. There is a throttle only button that when pressed, will allow you to operate the throttle without the propeller spinning. On the mechanical shift controller, the button is located at the center of the throttle control, and when moved back to the center position, the button will automatically re-engage the shifting mechanism.

Moving the control lever forward from neutral engages the forward gear and thrust. Moving the control lever backwards from neutral engages the reverse gear and thrust. The throttle lever controls the RPM of the engine and the speed of the boat.

REFER TO OWNER'S MANUAL PACKAGE FOR INSTRUCTIONS AND WARRANTY INFORMATION.

### Trolling Mode

Installed on the transmission, there is a trolling valve that is controlled by a Vernier control head and cable located on the dash. The trolling valve allows for engine operation below the normal idle in gear speed. To operate:

1. Using the mechanical gear shift / throttle control unit, shift the engine to NEUTRAL.
2. Allow the engine rpm to slow down to low idle.
3. Using the Vernier control, push the red button and pull the control handle out to increase the engine speed. To slow the engine down, push the cable in toward the dash. By twisting the control handle, small adjustments in the engine RPM can be achieved.

REFER TO OWNER'S MANUAL PACKAGE FOR INSTRUCTIONS AND WARRANTY INFORMATION.

### 15. Emergency Engine Shutdown Switch

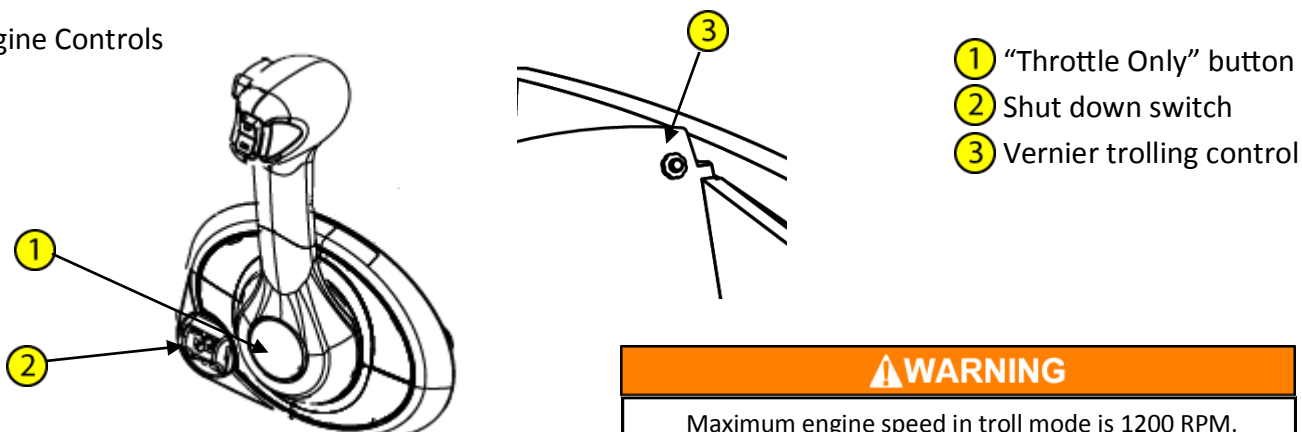
Your boat is equipped with an ignition shutdown safety switch built into the engine control. For a boat with an exterior helm, the emergency engine shutdown switch is located at the exterior engine control only, not the main interior helm. For a boat with only the main interior helm, the emergency engine shutdown switch is located on the interior engine control.

The ignition shutdown switch incorporates a shut-off switch and a lanyard. Before operating the boat, one end of the lanyard must be connected to the shut-off switch while the other end is connected to the operator. If an emergency arises where the engine must be shut down, pull the lanyard cord to release it from the shut-off switch, which in turn shuts down the engine. This switch is designed to shut the engine off when the operator of the boat leaves the control station, either accidentally by falling into the boat, or by being ejected overboard.

## Quicksilver 810 Arvor — System & Component Overview and Operation

The lanyard should be long enough to prevent inadvertent activation. Do not let the lanyard become entangled.

### Engine Controls



### 16. SmartCraft™ System Gauges

The instrument package on your boat includes a SmartCraft™ tachometer multi-gauge system. By pressing the "mode" button on the gauge, specific information vital to the safe operation of the vessel can be displayed. Refer to your SmartCraft™ gauge owner's manual for specific information on how to get the most out of the multi-gauge display.

### 17. Trim Tabs

The trim tabs are located on the hull at the transom and are used to level the boat (port to starboard) caused by uneven weight distribution, too many people on one side of the vessel, or by strong winds pushing the vessel to one side.

The trim tabs are controlled by switches located at the helm. LED indicators located on the switch indicate the amount of trim tab deflection (one bar indicates the trim tabs are in the up position, while all red bars indicate the trim tabs are fully deployed in the down position). To lower the port bow (boat is running with a starboard list), push the left switch marked DOWN. Alternatively, to lower the starboard bow (boat is running with a port list), push the right switch marked DOWN.

REFER TO OWNER'S MANUAL PACKAGE FOR INSTRUCTIONS AND WARRANTY INFORMATION.

### 18. Exterior Helm (optional)

An optional exterior helm is available which allows for low speed operation of your boat while in the cockpit. The exterior helm, located on the forward starboard side of the cockpit consists of a steering wheel, a hydraulic helm pump, and a mechanical gear shift/throttle control unit. In addition, the gear & throttle mechanisms are located in the cockpit bilge, and a helm selector switch is located at the main helm.

#### Operation

At the main helm (located inside the cabin) there is a helm selector switch located on the starboard side, under the control unit. The helm selector switch mechanically "locks out" the control unit to make sure that you can only control the engine from one helm. The gear & throttle mechanisms are located in the cockpit bilge.

## Quicksilver 810 Arvor — System & Component Overview and Operation

### Helm Control Transfer

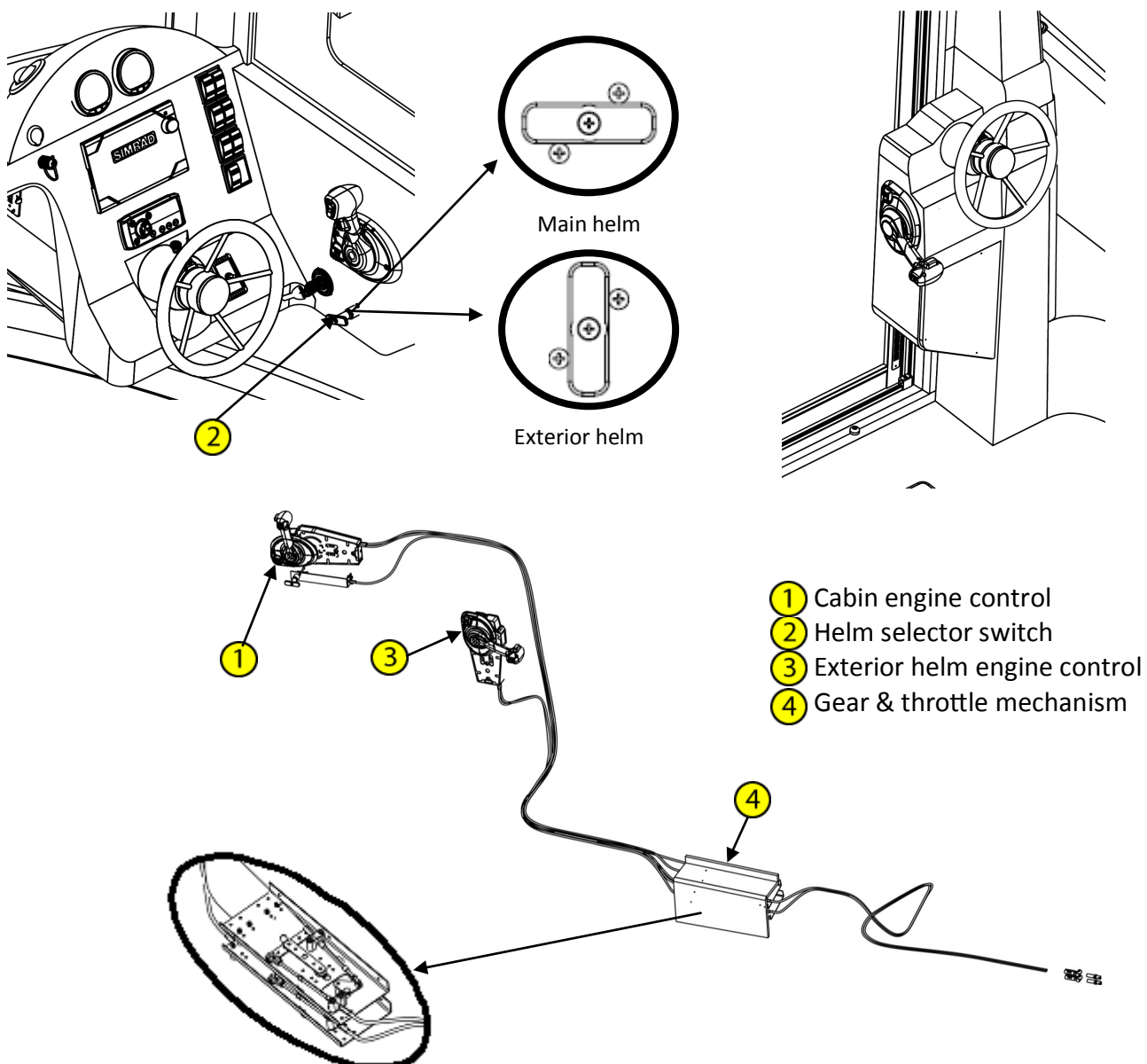
To switch control from the main helm to the exterior helm, pull out and rotate the handle clockwise 90 degrees until it locks into position. You will now have control of the engine at the exterior helm. To return control back to the main helm, pull out and rotate the handle counter-clockwise 90 degrees until it locks into position.

The steering system is independent of the helm selector switch and will operate at all times. **DO NOT TURN THE STEERING WHEEL AT THE HELM THAT DOES NOT HAVE FULL CONTROL OF THE BOAT!**

### Hydraulic Steering

The exterior helm comes with an additional steering helm, steering wheel, and steering hoses that connects to the base steering system. The operation of the system is similar, where when you turn the steering wheel, the helm pump forces hydraulic fluid through hoses to and from the steering cylinder which is connected to the tiller arm. Even though the helms are connected, the steering wheels will not rotate together when one wheel is turned.

Exterior Helm



# Quicksilver 810 Arvor — System & Component Overview and Operation

## ⚠️ WARNING

Vision from the exterior helm station is limited. Maintain a lookout as required. Do not operate at planing speeds from the exterior helm.

## ⚠️ WARNING

DO NOT TURN THE STEERING WHEEL AT THE HELM THAT DOES NOT HAVE FULL CONTROL OF THE BOAT.

### Maintenance

A hydraulic steering system rarely needs to be refilled after the system is bled. However, if you ever need to add fluid to the system, refer to the steering manufacturer’s manual for complete instructions.

REFER TO OWNER’S MANUAL PACKAGE FOR INSTRUCTIONS AND WARRANTY INFORMATION.

### 19. Diesel Heat (optional)

The diesel heat system consists of a 3kW heater, a 10L diesel tank providing fuel for the heater, and a control panel that runs the system.

#### Operation

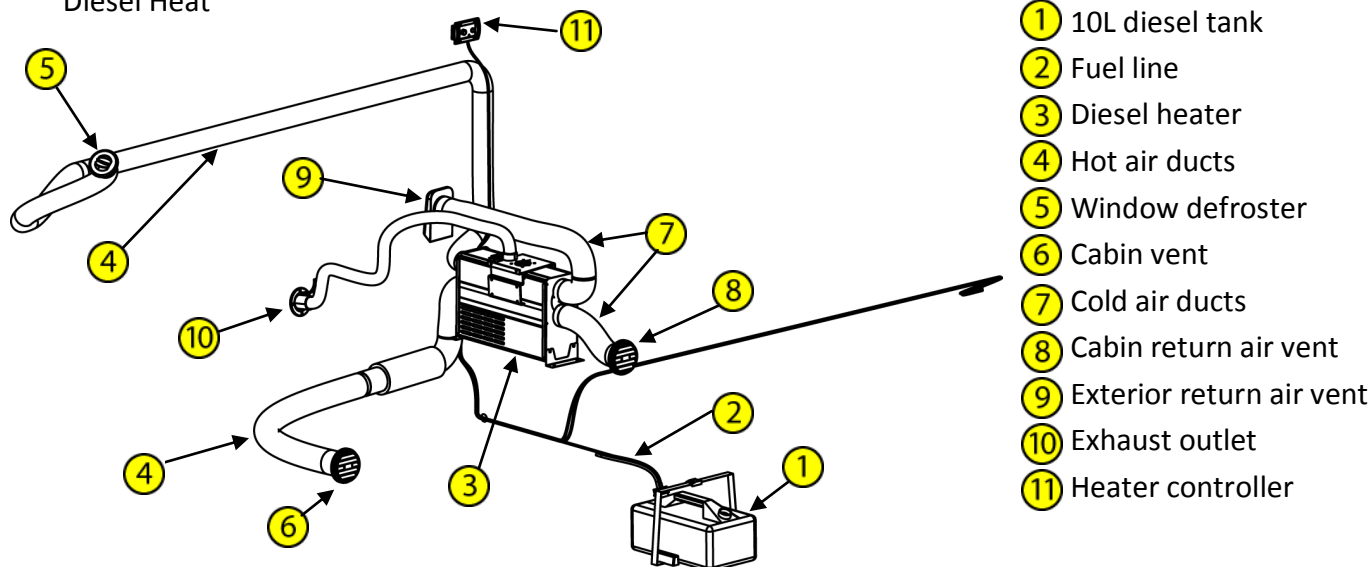
Prior to use, make sure that the diesel tank is full. The 10L diesel tank, located in the starboard bilge, can be accessed via the forward cockpit floor hatch. To fill the tank, first remove the strap holding the tank in place. Next, remove the cap with the fuel pickup and pull the tank out of the boat. ALWAYS FILL THE TANK OUTSIDE OF THE BOAT. When filled, re-install the cap, and secure the tank in the bilge.

The diesel heater is controlled by a keypad located inside the cabin on the starboard pilaster. The panel allows for either automatic control of a preset temperature, or it allows you to vary the blower speed and temperature manually. There are two heating ducts throughout the boat. First, there is a closable outlet located at the dash to defrost the windows for visibility. Next, there is a directional outlet located below the helm seat providing heat to the cabin area.

The heater pulls air from two locations; the first cold air inlet is located below the cabin bench seat and the second is an exterior inlet located on the starboard side of the deckhouse. Finally, there is an exhaust outlet located on the starboard hullside where hot exhaust exits the unit.

REFER TO OWNER’S MANUAL PACKAGE FOR INSTRUCTIONS AND WARRANTY INFORMATION.

Diesel Heat



## Quicksilver 810 Arvor — System & Component Overview and Operation

### ⚠ WARNING

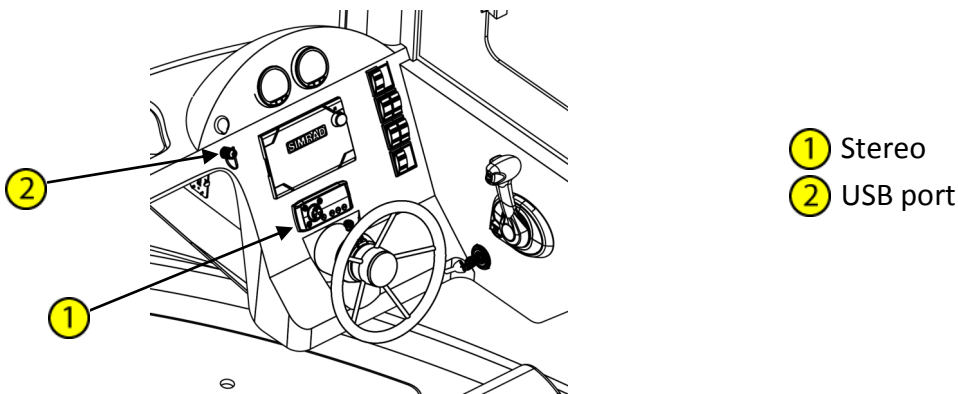
Exhaust gas is HOT. Ensure that there is nothing that is susceptible to heat damage (i.e. ropes, fenders, other boats) within 200mm of the exhaust outlet.

#### 20. Stereo (optional)

Your boat may come equipped with a Fusion AM/FM stereo with Bluetooth®. The stereo unit along with a USB port, is located at the helm. The USB port allows you to connect an external music player for music playback through the boat's stereo. Alternatively, you can playback music via the Bluetooth® settings on your external music player. There are 4 speakers on the boat which are installed on the hardtop.

REFER TO OWNER'S MANUAL PACKAGE FOR INSTRUCTIONS AND WARRANTY INFORMATION.

Stereo



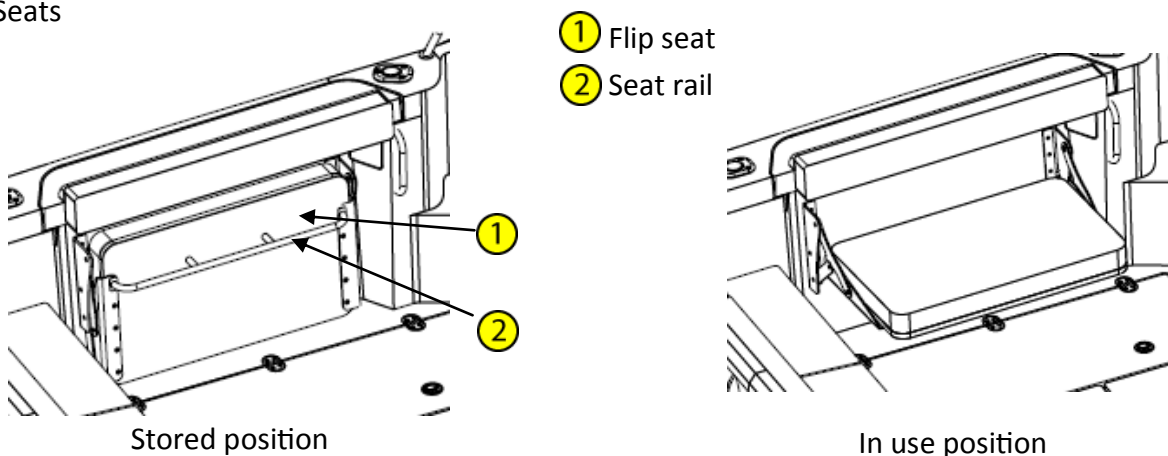
#### 21. Windshield Wiper

Your boat is equipped with a windshield wiper system for use in inclement weather. To use, simply press the windshield wiper switch located at the helm. Pressing the switch to the forward position will turn the wipers on. Pushing the switch back will return the wiper to the park position.

#### 22. Port and Starboard Flip Seat

In the cockpit of your boat, there are two flip seats, one located on the port side of the cockpit and the second one on the starboard side of the cockpit. When not in use, they store up out of the way in the port and starboard deck trails. To use, simply pull the rail located on the base of the seats out and down.

Flip Seats



## Quicksilver 810 Arvor — System & Component Overview and Operation

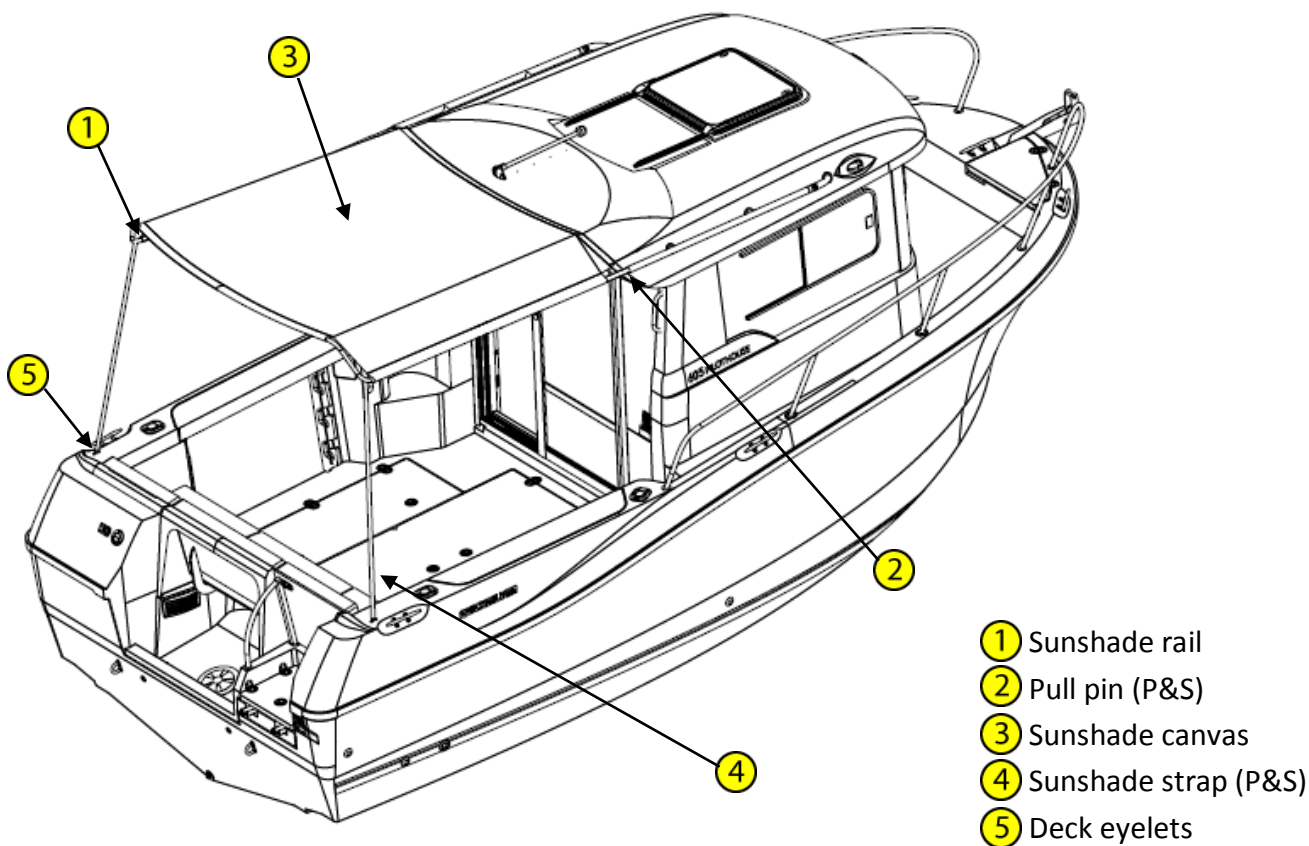
### 23. Cockpit Sunshade (optional)

If installed, an optional cockpit sunshade is available to provide protection from the sun. The cockpit sunshade consists of a rail on the hardtop and a canvas.

#### Operation

To extend the sunshade, simply push the pins on the back of the hardtop rails and slide the sunshade rail out. The pins will re-engage and lock the rail when fully extended. To install the sunshade canvas, slide the welting (piping) located on front edge of the sunshade through the sunshade track installed on the hardtop. Next connect the sunshade to the sunshade rail using the zippers on the edge of the sunshade. Finally, connect the sunshade straps to the eyelets on the deck.

Cockpit Sunshade



#### ⚠ CAUTION

In rough seas, the sunshade should be stored to avoid damage to the rail and or canvas.

## Quicksilver 810 Arvor— Electrical Systems

### 1. DC Electrical System

The DC electrical system is powered by a single battery, and is kept charged by the engine driven alternator.

### 2. Battery

Refer to your engine owner's manual for exact battery requirements.

To remove the battery cables:

1. Turn off all items drawing power from the battery.
2. Turn the battery switch to the OFF position.
3. Remove the negative cable first, then the positive cable.
4. To replace the cables, install the positive cable first, then the negative cable.

### 3. Battery Box

The battery box, located in the aft bilge, houses the battery. This box can be accessed via the cockpit floor hatch. The battery can be installed or removed by loosening the straps and removing the lids on the battery box. They should always be installed and secured within the battery box installed on your boat. This will ensure that the battery will not move around while the boat is underway.

#### ⚠ CAUTION

Never use an open flame in the battery storage area. Avoid striking sparks in the battery area.

#### ⚠ CAUTION

Always disconnect the battery before doing any work on the electrical system. Never turn off the battery switches or disconnect the battery cables while the engines are running.

### 4. Battery Switch

Your vessel is equipped with a battery switch to control the delivery of DC power from the battery. The battery switch is located in the aft bilge. When you turn the battery switch to the ON position, power is provided from the battery to the entire boat. To turn on power, rotate the switch clockwise 90 degrees to the ON position.

#### NOTICE

The bilge pump still draws power from the battery, even if the switch is set to OFF. This is especially important for the bilge pump, so that it can operate anytime excess fluid accumulates in the bilge, which can occur when the boat is docked and unattended.

#### ⚠ WARNING

Never work on the electrical system while the system is energized. Never leave the craft unattended with the electrical system energized.

#### Battery Switch Operation



OFF Position



ON Position

# Quicksilver 810 Arvor — Electrical Systems

## 5. Fuses and Breakers

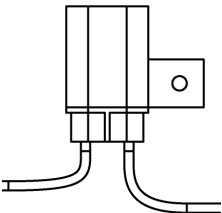
Your boat will either have fuses or breakers protecting the DC electrical system. If you have to replace a fuse or electrical breaker, replace only with a fuse or breaker of the same rating. The amperage will be marked on the fuse or breaker, and it is recommended that you carry spare fuses or breakers.

⚠️ WARNING

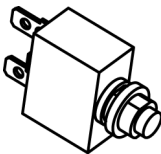
Use only fuses and breakers having the same amperage rating as the original or as specified. Use of higher amperage fuses or breakers is a fire hazard.

If a fuse or breaker is replaced with one that has a lower amperage, it may not be sufficient to carry the electrical load of the equipment it is connected to and will cause nuisance failures. If a fuse or breaker is replaced with one that has a higher amperage, it will not provide protection against an electrical malfunction and could create a possible fire hazard.

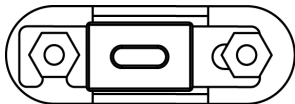
### Fuses and breakers



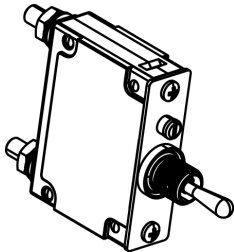
ATO/ATC fuse



Thermal breaker



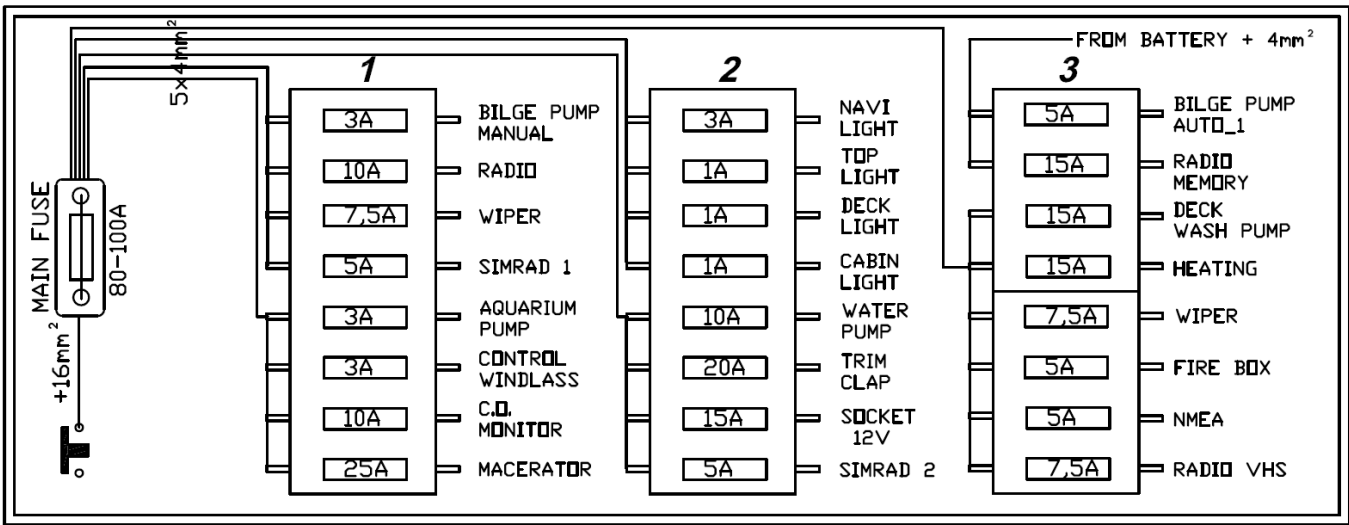
ANL fuse



Magnetic breaker

Located at the helm, there is a fuse panel accessible via the under dash closeout. To access, simply open the hatch forward of the helm.

### Helm fuse panel



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## Quicksilver 810 Arvor— Electrical Systems

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### 6. AC System (optional)

The AC electrical system allows you to use the following 230V appliances while docked and connected to a shore power system:

1. Battery charger

The shore power receptacle is located on the port side of the cockpit next to the flip seat. The AC main switch is located on the port side of the engine compartment.

A shore power cable is not included, however, your authorized Quicksilver® dealer will be able to provide you one along with the correct plug (for use in your region) for the other end of the shore power cable.

The 230V / 50Hz wiring consists of three color-coded wires. The brown wire is the “hot” feed, blue wire is the common, or neutral, and the green wire is ground. The entire system is protected by a Residual Current Device with Overcurrent Protection (RCBO), located on the AC panel. From there, individual line circuits add additional protection of each appliance in the system.

#### NOTICE

Always use double insulated or grounded (earthed) electrical appliances

#### ⚠ CAUTION

Never operate 230V shore power at less than 208V

### Connecting and Turning On Shore Power

To connect to shore power:

#### On the Boat

1. Make sure that the all of the breakers on the AC Distribution Panel are OFF  
Dry off the shore power cord receptacle on the boat. Dry the end of the shore power cord, and spray a moisture repellent into the receptacle and cord plug.
3. Plug the cord end into the boat receptacle. Turn clockwise to lock and thread the locking ring onto the receptacle to prevent accidental unplugging.

#### On the Dock

1. Turn OFF the dock breaker.
2. Dry off the shore power cord receptacle on the dock. Dry the end of the shore power cord, and spray a moisture repellent into the receptacle and cord plug.
3. Plug the power cord into the dockside outlet box.
4. Turn ON the dock breaker.

#### On the Boat

1. Turn ON the equipment breakers.

#### ⚠ CAUTION

It is imperative that the shore power outlet is dry before plugging into the dock power inlet.

#### ⚠ CAUTION

Route the power cord from the boat to the dockside power outlet box to prevent people from tripping over it.

#### ⚠ CAUTION

Shore power cord should be secured or routed to avoid laying or falling in the water, and to avoid stress on the shore power plug and inlet.

#### ⚠ CAUTION

The use of extension shore power cords is not recommended. Power core extensions can cause a voltage drop and prevent some devices from operating correctly.

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## Quicksilver 810 Arvor — Electrical Systems

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### Turning Off and Disconnecting Shore Power

To disconnect shore power:

#### On the Boat

1. Make sure that the all of the breakers on the AC Distribution Panel are OFF

#### On the Dock

1. Turn OFF the dock breaker.
2. Disconnect the dockside end of the power cord.

#### On the Boat

1. Disconnect the power cord from the shore power receptacle.
2. Clean the power cord, spray the plugs with a moisture repellent and store the cord in a dry location on the boat.

You must keep the shore power cord and plug ends clean and dry. This is especially necessary if your boat is used in salt water. Always clean and spray your cord ends with moisture repellent before using and before storing the cord.

#### WARNING

Do not allow shore power cable end to hang in water. An electrical field can result which can cause injury or death to nearby swimmers.

#### WARNING

To minimize shock and fire hazards turn off craft's shore power connection switch before connecting or disconnecting shore power cable, connect shore power cable to craft's inlet before connecting to shore power source, disconnect shore power cable at shore power first, and close shore power inlet cover tightly.

### 7. Galvanic Isolator

The AC system is equipped with a galvanic isolator, which blocks low voltage DC on the shore power ground wire.

The galvanic isolator prevents dockside voltages from damaging metal parts on the boat that come in contact with the water. The galvanic isolator will also safely conduct high currents to ground in the event of a short circuit or power leakage on your boat. Refer to the manufacturer's manual in your owners manual packet for complete instructions and warranty on the galvanic isolator.

#### CAUTION

Under normal conditions, the zincs on the boat should last at least one year, if not more. If abnormal deterioration of the zincs occur, a problem exists within the system, and should be corrected immediately.

### 8. Battery Charger

When turned ON, the battery charger automatically increases current output when there is a drop in battery voltage. All batteries, including the bow thruster battery, are connected to the battery charger. When the batteries are charged, the unit maintains a small current flow to keep the batteries fully charged and ready for service without overcharging.

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## Quicksilver 810 Arvor— Electrical Systems

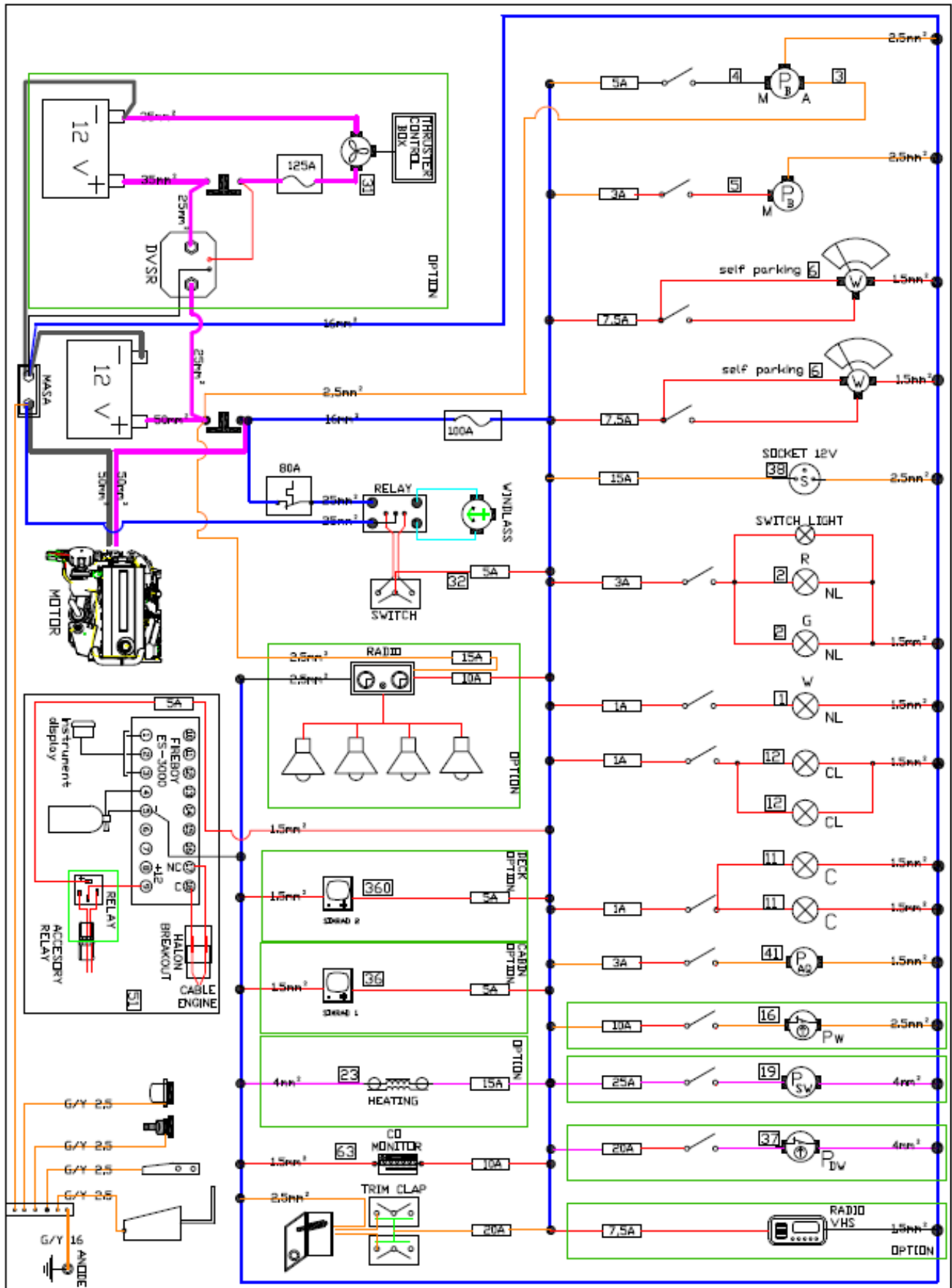
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### 9. Electrical Schematics

This owner's manual contains electrical schematics and wiring harness illustrations for your boat. These electrical schematics were generated by the Electrical Engineering Department for technical reference and service technicians. Quicksilver® does not recommend that you attempt to work on the boat's electrical system yourself. Instead, we recommend that you take your boat to your local authorized Quicksilver® dealer for service. Quicksilver® reserves the right to change or update the electrical system on any model at any time without notice to the consumer and is not obligated to make any updates to units built prior to the change.

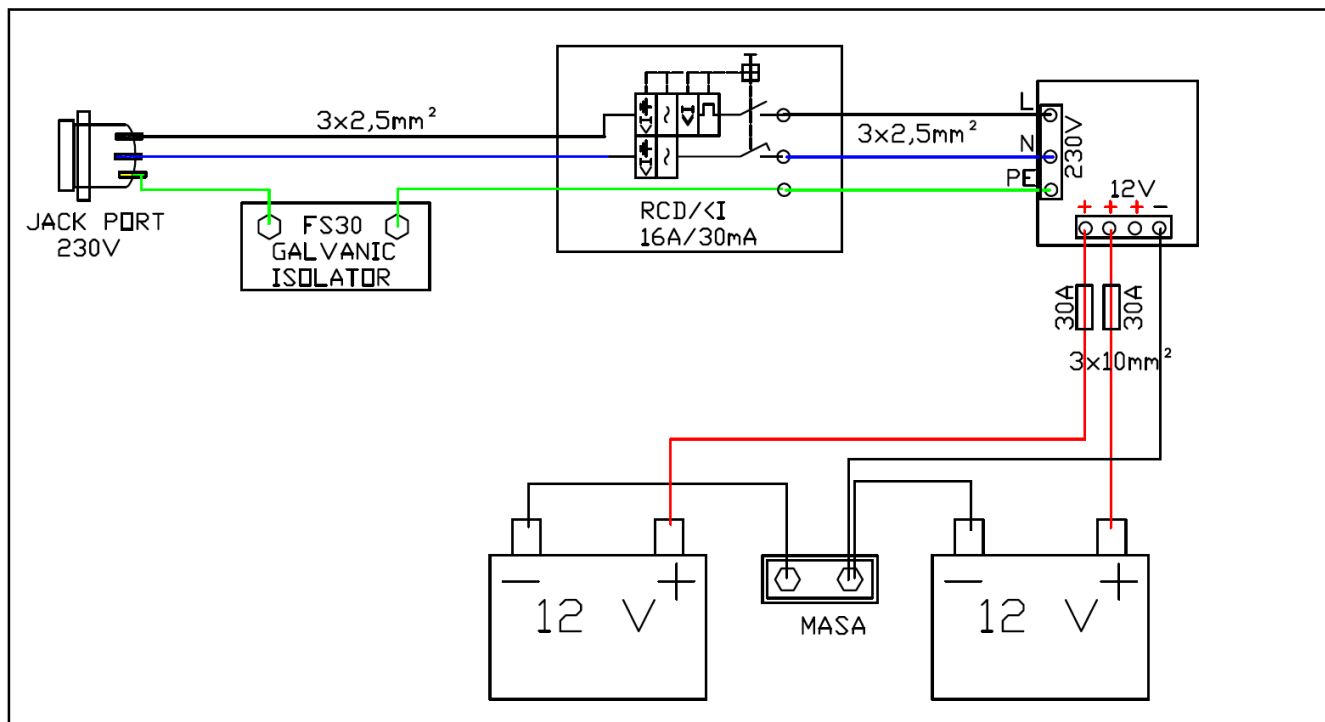
# Quicksilver 810 Arvor — Electrical Systems

## DC Wiring Schematic

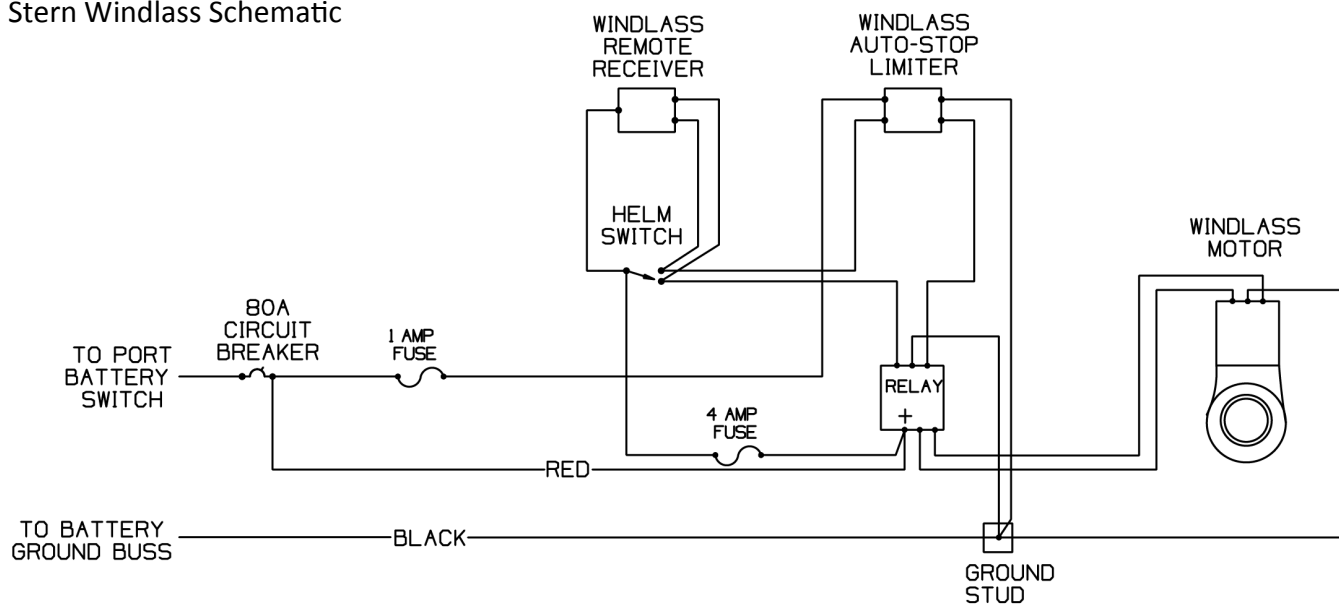


## Quicksilver 810 Arvor— Electrical Systems

## 230V AC Schematic



### Stern Windlass Schematic



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## Quicksilver 810 Arvor — Maintenance

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### 1. Maintenance

Routine inspection, service and maintenance of your boat, systems and components are vital to assure your safety, and will prolong the life of your boat.

The interval between necessary service or maintenance is highly variable, depending on the environment in which your boat will be used. For example, corrosion of boat parts and components will occur far more rapidly in a salt water environment than on a boat which is used in fresh water.

This section provides only general guidelines for the care and cleaning of your boat. It is your responsibility to determine whether maintenance and care intervals need to be accelerated due to your boat usage and/or operating environment. If you have any question regarding maintenance of your boat, contact your local Quicksilver® dealer for additional assistance.

#### DANGER

When using chemicals, read all information from the manufacturer regarding safety and handling of the material. Wear proper protective equipment to ensure personal safety. Work only in well ventilated areas and keep all chemicals away from open flames.

#### NOTICE

Refer to the individual manufacturer's manuals, which can be found in the Owner's Manual packet, for care and maintenance of equipment and components. In some cases, failure to do so could void the warranty.

### 2. Hull & Deck Surfaces

Fresh water, saltwater and water temperature can all affect the types of growth that you will find on your boat's hull. Any growth will affect the boat's performance and overall look. If it has been a while between inspections you might notice algae or slime growth on the hull. This can be cleaned with a coarse towel or soft bristle brush. The growth should be cleaned immediately after the boat has been removed from the water. If the growth is allowed to dry it will be much harder to remove.

Compounding may be necessary to remove more stubborn stains and chalking from the surface of your boat. If compounding is necessary it must be done after a thorough washing and prior to waxing. If the growth is more severe, you may need to enlist the services of a professional hull cleaning company. Check with your Quicksilver® dealer for recommendations on a compatible rubbing compound for your boat or a professional hull cleaning company in your area.

#### Waxing Gel Coat Surfaces

Waxing is necessary to provide added protection to the gel coat. A good cleaning and waxing will also ensure that your boat will be protected and look good longer. Make sure the surface of your boat has received a thorough washing and rinsing and is clean before waxing. Next, verify that any minor scratches or surface pitting is cleaned of compound residue. Use a good quality carnauba wax or a high quality wax designed for marine gel coat. Apply several coats.

#### NOTICE

Waxing of the exterior surfaces is recommended to be done at least twice a year to protect the gel coat of your boat.

#### Gel Coat Surface Maintenance

If using a pressure washer to clean the hull and deck surfaces of your boat it is important that you use the wide fan nozzle only and move the spray head in a continuous motion. Do not concentrate the high pressure on a small area of the boat surface and never use the fine pinpoint nozzle as the concentrated stream can cause damage to the surface of your boat. Do not pressure wash the helm as the water stream may damage the electronics and gauges as well as other sensitive equipment.

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## Quicksilver 810 Arvor — Maintenance

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When staining from build-up does occur, use only cleaning agents that are recommended for marine gel coat. Never use an abrasive cleaner to wash your boat's hull, nor use an abrasive pad to attempt to remove stubborn stains. Never use strong solvents to clean.

### 3. Component Maintenance

#### Stainless Steel

Stainless steel is strong and corrosion resistant, but still requires maintenance to keep its appearance. Frequent routine cleaning of your stainless steel will help maintain the finish.

Quicksilver® recommends that you wash stainless steel components with mild soap and cold or lukewarm water after every use of the boat. If added protection is necessary, apply a cleaning wax.

Even the finest cleaning powders can scratch or burnish a mill-rolled surface. On polished finishes, rubbing or wiping should be done in the direction of the polish lines, not across them.

Crevice corrosion, a brownish coloring which occurs where two pieces of stainless hardware meet is caused by impurities in water and air. It can be easily cleaned with a good grade marine polish using a sponge, cloth or small bristled brush (for tight and confined spaces).

#### NOTICE

The cleaner your stainless steel can be kept, the greater the assurance of optimum corrosion resistance. Without proper care even the best stainless steel will corrode.

#### NOTICE

Never use abrasive cleaners, detergents or soft scrub type cleaners to clean stainless steel. Never use abrasive pads, brushes or sponges to attempt to remove stubborn stains. Never use strong solvents or detergents which contain chlorine, and never use silver cleaners.

#### Cushions

Saltwater, salt residue, dirt, ultra-violet rays etc. will take their toll on vinyl products causing them to lose their luster and texture. To clean, remove ordinary dirt and smudges with a mild soap and water solution. Dry with a soft, lint-free cloth or towel. More difficult stains can be cleaned using rubbing alcohol (isopropyl alcohol). Rinse cleaned area with fresh water and dry with a clean, soft, lint-free cloth or towel.

Your cushions are not waterproof. They are constructed of open-cell foam and will absorb and hold water. Do not leave the cushions in standing water or exposed to heavy, prolonged rain. If, in the event your cushions become waterlogged, remove the foam from the cushion, press as much water as you can from the foam and allow to air dry. To prevent mildew, keep the vinyl dry and make sure that moisture does not accumulate between the cushions.

#### ⚠ CAUTION

Solvents are flammable. Exercise proper care. Wear rubber gloves during all cleaning activity. Use caution when cleaning around stitching or decorative trim as these solvents could seriously damage such areas.

#### Canvas

Chafing, fiber wear from dirt and grit and deterioration from ultraviolet light can cause your canvas to degrade over time. The fabric should be cleaned regularly before substances such as dirt, pollen, etc. are allowed to accumulate on and become embedded in the fabric. The canvas can be cleaned without being removed from the installation.

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## Quicksilver 810 Arvor — Maintenance

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After each use, especially if used in salt water areas, rinse the canvas completely with fresh cold water.

On a regular basis, brush off any loose dirt, pollen, etc., and hose down with water and clean with a mild solution of a natural soap in lukewarm water (maximum 38°C). Allow the canvas to soak, however, do not let the soap dry. Rinse thoroughly with fresh water. Let the canvas dry completely. Do not store any of the canvas pieces while wet.

The effects of ultraviolet light can sometimes be reduced by chemical treatment of canvas items. Consult your Quicksilver® dealer or check your canvas manufacturer's manual before using any chemical treatments on your canvas.

To clean stubborn stains, soak fabric for approximately twenty minutes in a mild solution consisting of no more than 30 ml of bleach and 15 ml of natural soap per liter of lukewarm water (not to exceed 38° C). Rinse thoroughly in cold water several times, then allow the fabric to air dry completely. Retreat the fabric using an air curing product such to ensure water and stain repellency. Refer to the canvas vendor's recommendation for additional information.

### Zippers & Hardware

Lubricate zippers and fasteners periodically with a clear silicone spray. In the absence of silicone spray, a wax candle can be used to lubricate the zipper track. Replace any missing fasteners or any fasteners showing signs of corrosion.

#### NOTICE

DO NOT use petroleum based products, such as petroleum jelly, on the zippers or fasteners.

### Vinyl Windows

The canvas on your boat may incorporate Eisenglass polycarbonate windows. Regular cleaning, utilizing compatible cleaners, coupled with proper maintenance techniques will significantly improve the vinyl's service life.

#### NOTICE

Never use regular window cleaners, detergents, abrasives, petroleum based products, or alcohol to clean your vinyl windows. Do not handle vinyl with sunscreen on your hands. Sunscreen will permanently cloud the vinyl where handled. Do not fold vinyl panels. Store flat or rolled with smooth paper or soft cloth between layers when dry.

Rinse vinyl thoroughly with clean water to remove any dust, dirt particles, salt water or environmental agents before applying cleaning products. This should be done frequently to avoid build up of salt water, dirt and other environmental contaminants. Using a soft non-abrasive cloth, wash windows inside and out with a mild soap and water solution. Rinse completely with cool water. DO NOT USE DETERGENTS.

Use separate clean, soft cloths or sponges for application of cleaners and polishes (Use the manufacturer's recommended products). Only use a small amount of cleaner or streaking may occur. If you get streaking or a leftover film, rinse the window with clean water.

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## Quicksilver 810 Arvor — Maintenance

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Dry the window with a soft cloth or chamois to prevent water spots. Polish with a separate cloth. Don't leave cleaners on for long periods; immediately wash the window. Finally, don't apply cleaners in direct sunlight or at elevated temperatures.

To minimize fine or hairline scratches apply a mild automotive polish and remove with a soft, clean cloth. Do not use abrasive plastic polishes.

### Tempered Glass Windshield

Use commercially available glass cleaners or a mixture of fresh water and vinegar to clean your glass windows, windshield or portlights. Dry with a soft terry cloth towel or chamois.

#### NOTICE

DO NOT use abrasives, harsh chemicals, or metal scrapers on glass.

### Acrylic Windscreens & Windows

The use of a polycarbonate protective cleaner/restorer is recommended to keep your acrylic scratch resistant, clean and minimize the deteriorating effects of sunlight.

To clean, rinse the windscreen/window thoroughly with clean water to remove any dust, dirt particles, salt water or environmental agents before applying cleaning products. Use your bare hand, with plenty of water, to feel and dislodge any stuck-on dirt or foreign particles. This should be done frequently to avoid build up of salt water, dirt and other environmental contaminants.

Using a soft non-abrasive cloth, wash windows inside and out with a mild soap and water solution. Rinse completely with cool water. Do not use detergents. Blot dry with a soft cloth or chamois to prevent water spots.

#### NOTICE

Never use a dry cloth or duster or glass cleaning solutions on acrylic. DO NOT use solvents such as acetone, silicone spray, benzene, carbon tetrachloride, fire extinguisher fluid, dry cleaning fluid, lacquer thinner, glass cleaning solution or harsh detergents on acrylic. These substances will attack the surface of the acrylic.

## 4. Engine Shaft Alignment

Alignment between the engine transmission output shaft and the propeller is critical. The alignment was performed by the dealer after your boat had been in the water for 48 hours.

An alignment inspection should be performed by a marine mechanic as part of the routine maintenance program after the initial 30 hours of operation, then every 60 hours and whenever unusual noise or vibration is noticed. Shaft-transmission alignment should be performed by a marine mechanic since it requires moving the engine and prop shaft.

To insure proper alignment after a haul out or dry storage, wait 48 hours after launching before final alignment adjustments by a marine mechanic are made.

If you suspect a shaft-transmission alignment problem, have a qualified mechanic inspect the alignment as soon as possible. Continued use may lead to premature failure.