



## Lewmar® Vector™ Manual Shallow Water Anchor Installation and Owner's Manual (For Aftermarket Applications)

### Lewmar Vector Manual Shallow Water Anchors

Part #	Description
2024008743	Lewmar Vector Manual Shallow Water Anchor - Black
2024008752	Lewmar Vector Manual Shallow Water Anchor - White

### Additional Lewmar Vector Manual Shallow Water Anchor Mounting Bracket Kits—Sold Separately

Part #	Description
<a href="#">2023043513</a>	Quick Release Mounting Bracket Kit, Black
2024028468	Quick Release Mounting Bracket Kit, White
2024028460	Jack Plate Mounting Bracket Kit, Black
2024028465	Jack Plate Mounting Bracket Kit, White
2024028463	Pontoon Mounting Bracket Kit, Black
2024028466	Pontoon Mounting Bracket Kit, White
2024028464	Motor Mounting Bracket Kit, Black
2024028467	Motor Mounting Bracket Kit, White

## Table of Contents

Introduction .....	2
Safety .....	2
Parts List .....	3
Resources Required .....	3
Installation .....	3
Determine Transom Mounting Location .....	3
Mounting the Anchor .....	4
Operation .....	5
Additional Anchor Mounting Brackets .....	5
Troubleshooting .....	6
Maintenance .....	7
Manual Override .....	8
Warranty Coverage - Components .....	9

## Lewmar® Vector™ Manual Shallow Water Anchor Installation and Owner's Manual (For Aftermarket Applications)

### Introduction

Thank you for choosing Lewmar®. Lewmar products are world renowned for their quality, technical innovation and proven performance. With a Lewmar product you will be provided with many years of outstanding service.

Operating your new, manual Lewmar Vector™ Manual Shallow Water Anchor only requires two easy steps.

Additional information about this product can be obtained from [lci1.com/support](http://lci1.com/support) or by using the LippertNOW app. Replacement kits can be ordered from <https://store.lci1.com/> or by using the LippertNOW app.

The LippertNOW app is available for free on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

App Store® and iPad® are registered trademarks of Apple Inc.

Google Play™ and Android™ are trademarks of Google Inc.

### Safety

Read and fully understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the Lippert limited warranty.

#### **WARNING**

THE "WARNING" SYMBOL ABOVE IS A SIGN THAT AN INSTALLATION PROCEDURE HAS A SAFETY RISK INVOLVED AND MAY CAUSE DEATH, SERIOUS PERSONAL INJURY, SEVERE PRODUCT AND/OR PROPERTY DAMAGE, INCLUDING VOIDING OF THE COMPONENT WARRANTY, IF NOT PERFORMED SAFELY AND WITHIN THE PARAMETERS SET FORTH IN THIS MANUAL.

#### **WARNING**

- DO NOT ALLOW CHILDREN TO OPERATE OR TAMPER WITH THE SHALLOW WATER ANCHOR UNSUPERVISED.
- KEEP HANDS AWAY FROM MOVING ANCHOR PARTS.
- AVOID WEARING LOOSE CLOTHING WITHIN CLOSE PROXIMITY OF THE ANCHOR; FAILURE TO DO SO MAY RESULT IN BODILY INJURY.
- KEEP ANCHOR CLEAR OF OBSTRUCTIONS.
- DO NOT PERFORM INSTALLATION WHILE BOAT IS IN WATER.
- DO NOT OPERATE BOAT (PUT UNDERWAY) UNTIL THE ANCHOR IS FULLY RETRACTED.
- DO NOT USE YOUR SHALLOW WATER ANCHOR AS A FORM OF ASSISTANCE FOR ENTERING OR EXITING THE VESSEL.

#### **CAUTION**

THE "CAUTION" SYMBOL ABOVE IS A SIGN THAT A PROCEDURE HAS A SAFETY RISK INVOLVED AND MAY CAUSE PERSONAL INJURY, PRODUCT AND/OR PROPERTY DAMAGE IF NOT PERFORMED SAFELY AND WITHIN THE PARAMETERS SET FORTH IN THIS MANUAL.

#### **CAUTION**

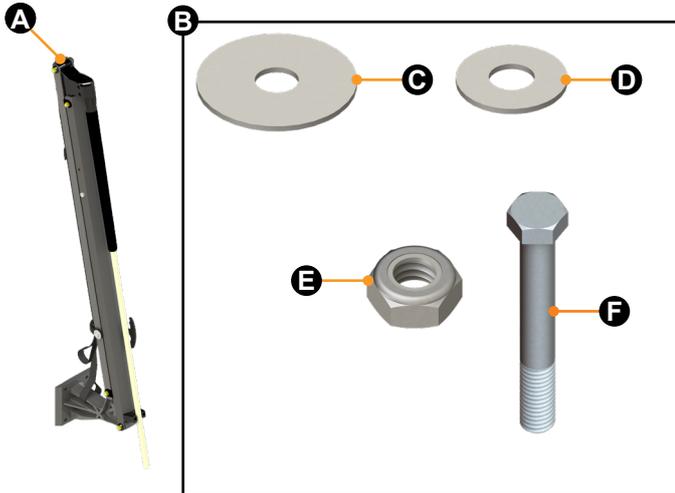
ALWAYS WEAR APPROPRIATE PERSONAL PROTECTION EQUIPMENT (PPE) WHEN PERFORMING SERVICE, MAINTENANCE OR INSTALLATION PROCEDURES.

#### **CAUTION**

MOVING PARTS CAN PINCH, CUT OR CRUSH. KEEP CLEAR AND USE CAUTION.

## Lewmar® Vector™ Manual Shallow Water Anchor Installation and Owner's Manual (For Aftermarket Applications)

### Parts List



Letter	PN	Description	Qty
A	2024008743	Lewmar Vector Anchor, Black	1
	2024008752	Lewmar Vector Anchor, White	1
B	2024008792	Bracket Mounting Hardware Kit	1
C	N/A	Washer, 3/8" x 1 1/2" O.D., SS	4
D	N/A	Washer, 3/8" x 1" O.D., SS	4
E	N/A	Nut, 3/8", Locking, Brass	4
F	N/A	Screw, 3/8" x 3", Hex HD, SS	4

**NOTE:** Part numbers are shown for identification purposes only. Not all parts are available for individual sale. All parts with a link to the Lippert Store can be purchased.

### Resources Required

- 1-2 people, depending on task
- 1/8", 3/8" and 1/2" drill bits
- 3/16" wrench
- Tape measure
- 3/16" socket with ratchet
- 4-ft straight edge
- Cordless or electric drill or screw gun
- Marine grade sealant (3M 5200 or similar)
- Non-permanent marker

### Installation

**NOTE:** Lippert recommends the installers be able to lift 35-50 lbs and have an intermediate skill level of mechanical and electrical aptitudes.

#### Determine Transom Mounting Location

1. Cover the intended mounting area with masking tape to prevent scratches and gel-coat chipping when drilling the mounting holes later.
2. The lowest point of the anchor must be mounted above the water line to prevent adverse handling of the vessel (Fig.1).

**NOTE:** If the vessel has trim tabs, make sure there is no interference between the tabs and the anchor before continuing with installation.

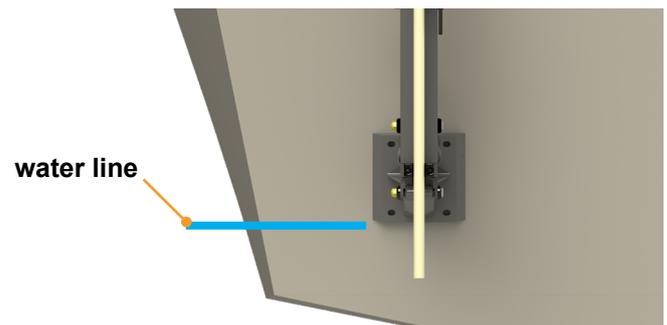


Fig.1

3. With the anchor placed in its desired location, operate the outboard motor through the entirety of its turning and trim range to confirm there is no interference with it and the anchor.
4. If there is no interference with any of the vessel's exterior components, make sure there is enough room within the vessel's interior location around the transom to accommodate tightening of the mounting hardware.

## Lewmar® Vector™ Manual Shallow Water Anchor Installation and Owner's Manual (For Aftermarket Applications)

### ⚠ WARNING

PARTIAL OR SURFACE-MOUNTING OF THE SHALLOW WATER ANCHOR CAN COME LOOSE OR BREAK FREE FROM THE TRANSOM, RESULTING IN POSSIBLE SEVERE PRODUCT AND/OR PROPERTY DAMAGE, INCLUDING VOIDING OF THE COMPONENT WARRANTY, SERIOUS PERSONAL INJURY OR DEATH. THE SHALLOW WATER ANCHOR MUST BE SECURELY BOLTED THROUGH THE TRANSOM.

#### Mounting the Anchor

1. With the help of another person, place the Vector Shallow Water Anchor stern mounting bracket against the transom and mark the location of the four mounting holes (Fig.2A) with a non-permanent marker.
2. Use an 1/8" drill bit to drill four pilot through-holes where previously marked (step 1) (Fig.2A) on the transom.

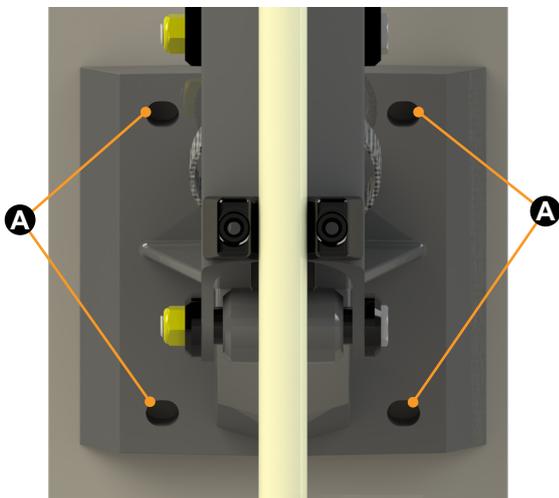


Fig.2

3. Set the Vector Shallow Water Anchor aside.
4. Use a 3/8" drill bit to drill through the four previously drilled pilot holes (step 2) to open them up.
5. Apply a generous amount of marine grade sealant (3M 5200 or similar):
  - A. On the mating surfaces of the stern mounting bracket and hull.
  - B. All around the 3/8" stern bracket's mounting holes. Make sure to seal the drilled holes toward the inside of the vessel.

6. With the help of another person, retrieve the Vector Shallow Water Anchor and align its stern bracket holes with the transom holes.

**A.** Install one 3/8" x 1" O.D. washer (Fig.3A) onto each of the four 3/8"-16 x 3" hex head screws (Fig.3B) then insert from the outside of the vessel the assembled hardware through the anchor's mounting bracket through then through the previously (step 4) drilled holes in the transom.

**NOTE:** Proper mounting bracket installation will have each screw hex head facing outside the vessel and the lock nuts facing inward from the inside surface of the transom (Fig.3).

**B.** Install one 3/8" x 1 1/2" O.D. washer (Fig.3C) over each of the four screws (Fig.3B) followed by threading on a 3/8"-16 brass lock nut (Fig.3D). Hand-tighten the nuts to hold the Vector Shallow Water Anchor in place.

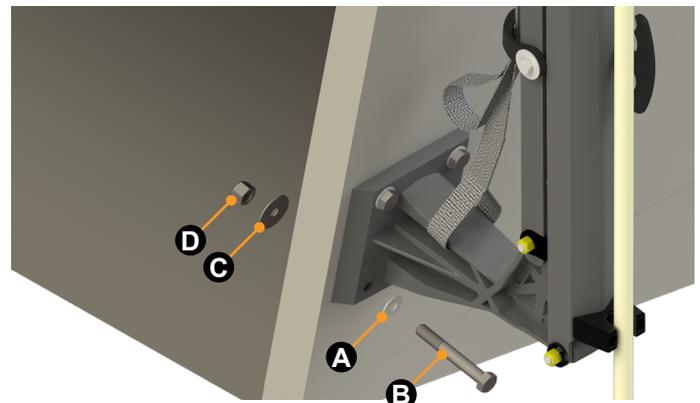


Fig.3

**C.** For each installed screw (Fig.3B), hold in place with a 9/16" wrench to keep it from turning, while tightening the lock nut (Fig.3D) with a 9/16" socket and ratcheting wrench. Holding the hex head screw and tightening the lock nut onto it prevents damage to the powder coat of the Vector system.

### Additional Anchor Mounting Brackets

In addition to transom mounting, Aftermarket mounting brackets (sold separately) can be purchased and easily installed to meet a particular mounting need.

- Quick Release Mounting Bracket Kit
- Jack Plate Mounting Bracket Kit
- Pontoon Mounting Bracket Kit
- Motor Mounting Bracket Kit

Contact a dealer or installer for details.

**NOTE:** Aftermarket mounting bracket hole locations are identical to the standard stern mounting bracket hole locations, so no new holes are required when upgrading.

### Operation

#### ⚠ CAUTION

IF THE SHALLOW WATER ANCHOR IS NOT FULLY RETRACTED AND PROPERLY STOWED BEFORE PUTTING UNDERWAY, TRAILERING OR TRAVELING, PRODUCT AND/OR PROPERTY DAMAGE MAY OCCUR. MAKE SURE THE SHALLOW WATER ANCHOR IS IN THE STOWED (FULLY UPRIGHT) POSITION BEFORE PUTTING UNDERWAY, TRAILERING OR TRAVELING.

#### ⚠ CAUTION

LEAVING THE BOAT UNATTENDED WHILE ONLY SECURED BY THE SHALLOW WATER ANCHOR MAY RESULT IN PRODUCT AND/OR PROPERTY DAMAGE. NEVER LEAVE THE BOAT UNATTENDED WITH THE SHALLOW WATER ANCHOR AS THE PRIMARY ANCHORAGE.

To extend and retract the anchor:

1. To extend the anchor;
  - A. Release the elastic securing strap (Fig.4A).

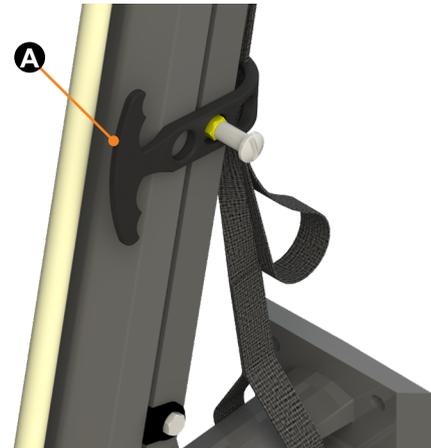


Fig.4

- B. Use adjustment buckle (Fig.5A) to release all of the tension on the retrieval strap.

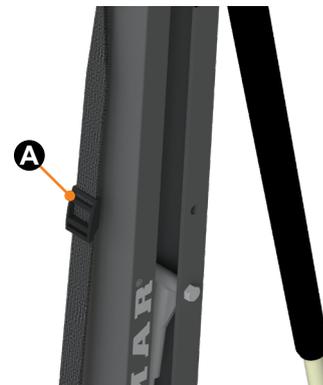


Fig.5

- C. Press against the anchor to extend the anchor outward (Fig.6).



Fig.6

## Lewmar® Vector™ Manual Shallow Water Anchor Installation and Owner's Manual (For Aftermarket Applications)

D. The anchor's pre-loaded gas spring will press outward, engaging the waterway's bed to anchor the vessel to prevent drifting.

2. To retract the anchor;

A. Pull the anchor's retrieval strap (Fig.7A) until the anchor is in the vertical position then tighten the retrieval strap using the adjustment buckle.

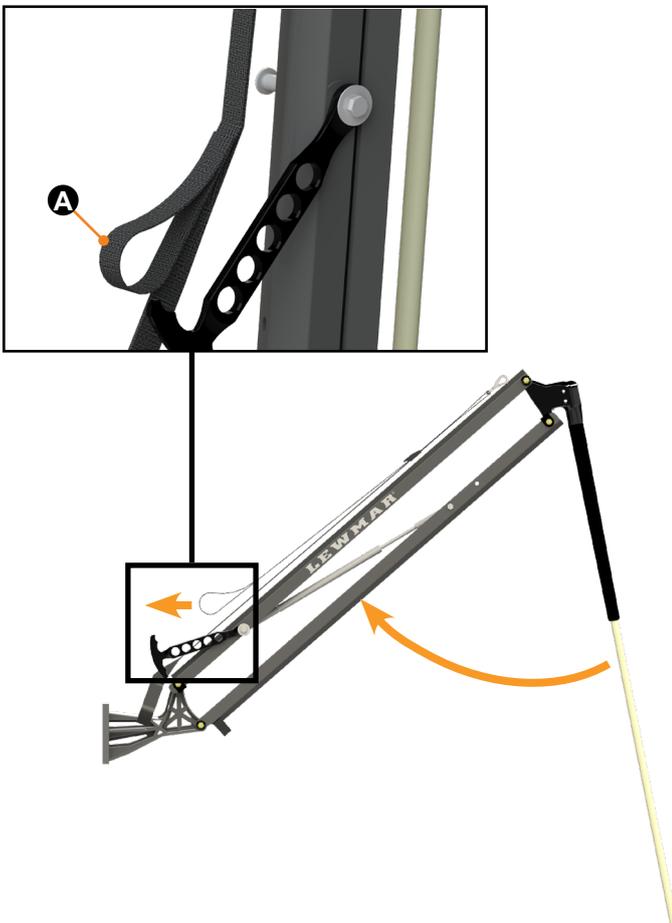


Fig.7

B. Re-engage the anchor's elastic securing strap (Fig.8A).

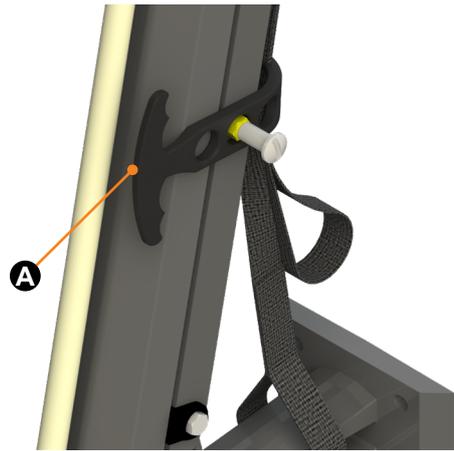


Fig.8

## Troubleshooting

### ⚠ CAUTION

DEBRIS CAUGHT AROUND THE SHALLOW WATER ANCHOR CAN OBSTRUCT PROPER PRODUCT OPERATION. CLEAR OBSTRUCTIONS FROM THE SHALLOW WATER ANCHOR.

What is happening?	Why?	What should be done?
Anchor does not extend/lower.	Dry pivot bushings.	Lubricate all pivot bushings with spray Lithium grease.
	Debris around the anchor.	Remove all debris.

### Maintenance

#### **⚠ CAUTION**

USE OF NON-GENUINE VECTOR SHALLOW WATER ANCHOR ACCESSORIES MAY RESULT IN PRODUCT AND/OR PROPERTY DAMAGE, INCLUDING VOIDING OF THE COMPONENT WARRANTY. ONLY USE GENUINE VECTOR SHALLOW WATER ANCHOR ACCESSORIES.

- Inspect all fasteners for proper tightness after every 100 cycles to ensure that the anchor is in safe working condition. Tighten loose fasteners as necessary. Replace damaged fasteners and/or bushings immediately.
- Thoroughly rinse all moving parts with fresh water after each use.
- Lubricate the bushings at both the mounting bracket and knuckle hinge points (**Fig.9A**) every six months with spray lithium grease.

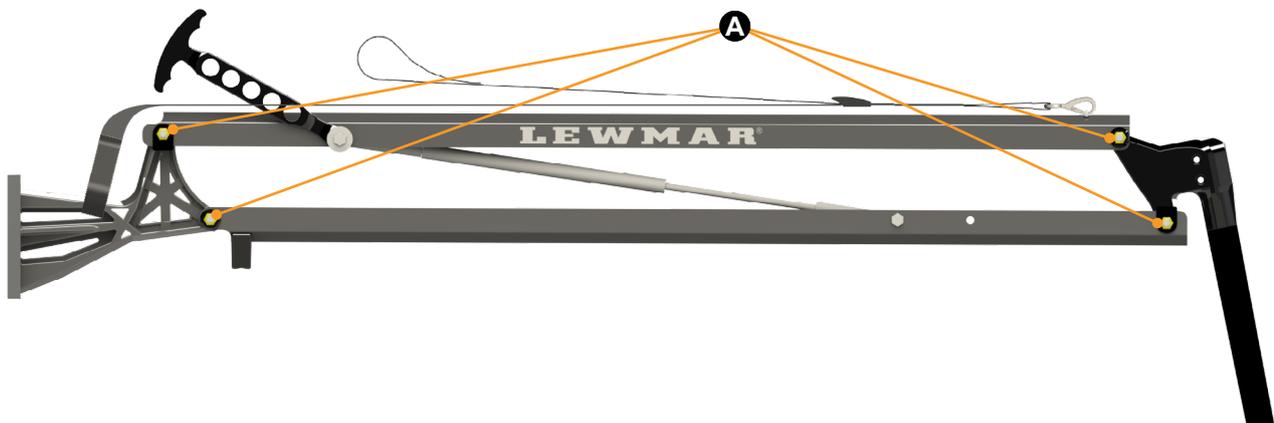


Fig.9

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### Manual Override

In the event the anchor has a gas spring failure, do as follows:

#### **CAUTION**

IF THE SHALLOW WATER ANCHOR IS NOT FULLY RETRACTED AND PROPERLY STOWED BEFORE PUTTING UNDERWAY, TRAILERING OR TRAVELING, PRODUCT AND/OR PROPERTY DAMAGE MAY OCCUR. MAKE SURE THE SHALLOW WATER ANCHOR IS IN THE STOWED (FULLY UPRIGHT) POSITION BEFORE PUTTING UNDERWAY, TRAILERING OR TRAVELING.

1. Retract the anchor to its upright stored position.
2. Tighten the anchor's securing strap.
3. Re-attach the anchor's elastic securing strap.

**NOTE:** If needed, use straps or some other type of cordage to firmly secure the anchor in its upright, stored position (Fig.10) before putting underway.

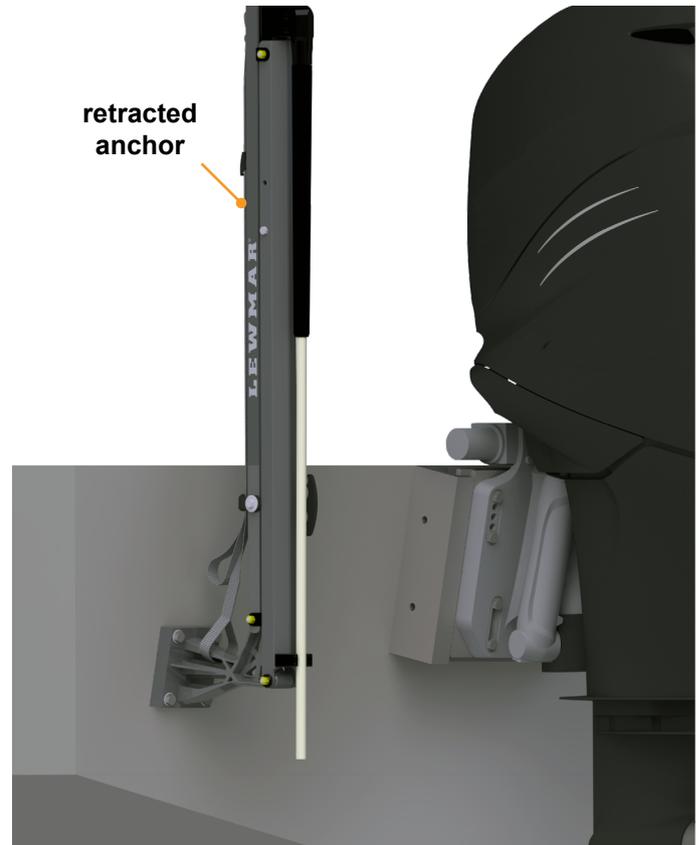


Fig.10

### Warranty Coverage - Components

The following table lists component-specific warranty information.

All listed component warranty coverage times are from date of the item's purchase.

Component Warranty Coverage	
Component	Coverage and Period
Spike	Lifetime warranty
Powder Coat	Six months against cracking, chipping and fading.
Linkage Arms, Mounting Bracket and Knuckle	60 months
Spike Holder and Bushing Hardware	12 months

**IMPORTANT NOTE:**

**Please retain this label.**

**There is another matching label on the anchor itself.**

**The serial number on the label will be required for all warranty claims.**

# MARINE GROUP EUROPE

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