



STEERING SYSTEMS

STEERING ACCESSORIES

**INSTALLER: THESE INSTRUCTIONS CONTAIN IMPORTANT SAFETY INFORMATION
AND MUST BE FORWARDED TO MARINE CRAFT OWNER.**

EN Outboard Clamp Block Service Kit Instructions

USA & CANADA

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**Service Center &
Dealer Locations**
Visit: dometic.com

This SKI contains important supplementary information or notifications for the Outboard Clamp Block (hereinafter referred to as “product”). It is not intended to provide all information, instruction, and/or safety messaging related to the product. For complete information, refer to the product manuals.

This product is a replacement part for the ball post and clamp block assembly in Steering Outboard Transom Mount kits SA27255P and SA27256P.

SA27055P, SA27149P Kit Contents	Qty.
Ball Post Assembly	1
Flat Washer 1/4 in. ID	8
Hex Bolt 1/4-28 x 2-1/2 in.	4
Lock Nut 1/4-28	4
Clamp Block Bracket	2
Hex Bolt 5/16-18 x 3/4 in.	4
Flat Washer 5/16 in. ID	4
Hex Nut 5/16-18	4

 The images used in this document are for reference purposes only.

Before beginning with installation, confirm the contents of the service kit are present.

1 Explanation of Symbols and Safety Instructions

This manual has safety information and instructions to help you eliminate or reduce the risk of accidents and injuries.

1.1 Recognize Safety Information

 **This is the safety alert symbol.** It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

1.2 Understand Signal Words

A signal word will identify safety messages and property damage messages, and it will indicate the degree or level of hazard seriousness.

WARNING

Indicates a hazardous situation that, if **not** avoided, could result in death or serious injury.

NOTICE: Used to address practices **not** related to physical injury.

 Indicates additional information that is not related to physical injury.

1.3 General Safety Messages

⚠ WARNING: STEERING CONTROL HAZARD.
Failure to obey the following warnings could result in death or serious injury:

- The boat should be operated with caution until the steering system has been thoroughly checked out under normal operating conditions to ensure that the installation is correct and complete.
- Read these instructions thoroughly before beginning installation.
- Use the parts provided only as instructed and only use the parts provided. Do **not** substitute parts.

NOTICE: In order to obtain the best steering performance, the steering cable must be lubricated with a waterproof marine grease before installation and the trim tab adjusted in accordance with the motor and boat manufacturer's specifications.

2 Removal

NOTICE: Do not disconnect the cable from the motor or loosen the cable coupler nut from the support tube.

This section describes the procedure for removing the existing equipment.

2.1 Removing the Existing Equipment

1. Mark the location of the old clamp block on the support tube.
2. Remove the hardware attaching the clamp block.
3. Carefully note the orientation of the old ball post (pointing up or down).
4. Remove the hardware attaching the ball post to the transom.

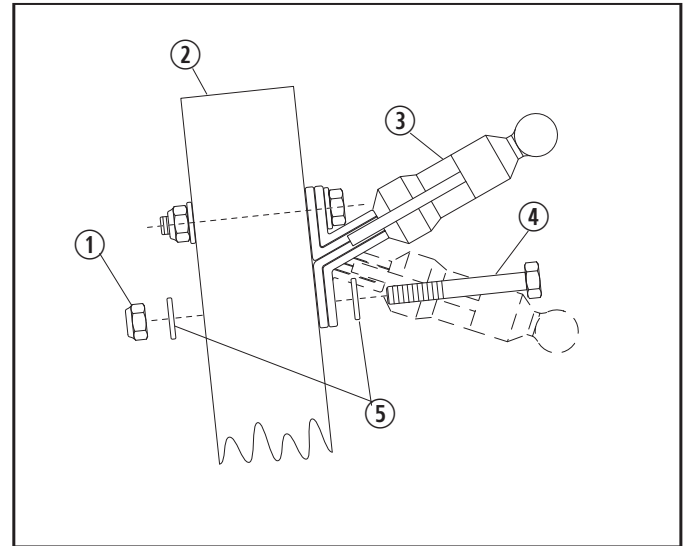
3 Installation

⚠ WARNING: STEERING CONTROL HAZARD.
Hardware must be installed and tightened in this sequence. Failure to do so could allow the clamp block to pull off the ball post resulting in the loss of steering.

This section describes the proper technique to install the new clamp block and ball post.

3.1 Installing the New Equipment

NOTICE: Mount the ball post pointing up or down only. Do **not** mount sideways.



1 Ball Post Installation

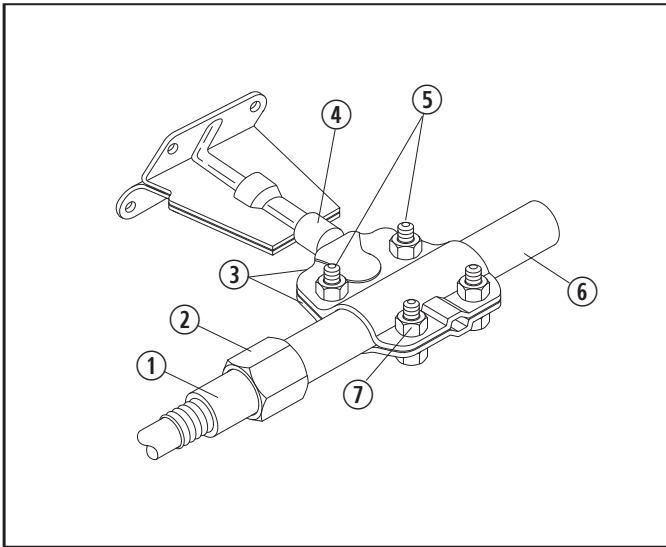
- | | |
|----------------------|---------------|
| ① Lock Nut | ④ Hex Bolt |
| ② Transom | ⑤ Flat Washer |
| ③ Ball Post Assembly | |

1. Attach the new ball post assembly to the transom with the post pointing in the same direction (up or down) as the original ball post.

i Do **not** mount sideways.

2. Place the flat washer (1/4 in. ID) on the hex bolt (1/4-28 x 2-1/2 in.).
3. Insert the bolt through the ball post base and the hole in the transom.
4. Add the second flat washer (1/4 in. ID).
5. Thread on the lock nut.
6. Install the other three sets of hardware in the same manner.
7. Torque to **75 lb in. (8.5 Nm)**

i Do **not** exceed **100 lb in. (11.3 Nm)**



2 Clamp Block Installation

- | | |
|-----------------------|------------------|
| ① Steering Cable | ⑤ Rear Hardware |
| ② Coupler Nut | ⑥ Support Tube |
| ③ Clamp Block Bracket | ⑦ Front Hardware |
| ④ Ball Post | |

8. Place the clamp block bracket around the support tube in the location previously marked and over the ball on the end of the ball post.
9. Insert two hex bolts (5/16-18 x 3/4 in.) through the rear holes (next to the ball post).
10. Add one flat washer (5/16 in. ID) to each bolt.
11. Thread on the hex nuts.
12. Torque the hardware (hex bolts, flat washers, and hex nuts) to **100 lb in. (11.3 Nm)**.
13. Install the hardware in the front holes.
14. Torque to **100 lb in.** minimum.

i Do **not** exceed **130 lb in.**

i Do **not** exceed **130 lb in. (14.7 Nm)**

3.15 Checking the Steering

1. With the steering wheel, operate the steering system fully in both directions to assure equal travel of the motor. Should further adjustment be required, loosen the clamp block hardware and slide the support tube in the desired direction. Re-torque the hardware to the specifications noted above.

2. Move the motor through the normal operating positions (side-to-side and tilting up and down) to assure that no interference or restriction of movement exists.
3. Check the coupler nut attaching the steering cable to the support tube and all attaching hardware for security. Re-torque if necessary.
4. Using the steering wheel, check for the proper action of the steering controls. Rotating the wheel clockwise (to the right) should cause the boat to turn to the right (starboard).

4 Maintenance

⚠ WARNING: STEERING CONTROL HAZARD.

Loosening or separation of one or more fasteners may cause failure in the steering system. Failure to obey this warning could result in death or serious injury.

This section describes maintenance practices to follow once the product installation is complete.

- After a few hours of operation following the installation and periodically thereafter, re-torque all the fasteners and check the steering for security and integrity.
- Inspect periodically for corrosion. All metal parts meet or exceed the applicable specifications for corrosion resistance; however, with extended operation under extreme conditions, corrosion may occur and affected parts should be replaced.

5 Disposal



Place the packaging material in the appropriate recycling waste bins, whenever possible. Consult a local recycling center or specialist dealer for details about how to dispose of the product in accordance with all applicable national and local regulations.

6 Warranty Information

LIMITED TWO-YEAR WARRANTY AVAILABLE AT
[WWW.SEASTARSOLUTIONS.COM/SUPPORT-2/
WARRANTY-2/SEASTAR-SOLUTIONS-WARRANTY](http://WWW.SEASTARSOLUTIONS.COM/SUPPORT-2/WARRANTY-2/SEASTAR-SOLUTIONS-WARRANTY).

IF YOU HAVE QUESTIONS, OR TO OBTAIN A COPY
OF THE LIMITED WARRANTY FREE OF CHARGE,
CONTACT:

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