

MARINE

Purpose

This document outlines the procedure for measuring standoff lengths needed prior to ordering a bimini kit—2020002226 (Silver) and 2020002227 (Black)—to match the standoff with the preferred bimini kit.

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

Safety

Read and 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 LCI limited warranty.



The “CAUTION” symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

Resources Required

- 1 - 2 persons, depending on task
- Tape measure
- Pencil

Preparation for Ordering

There are three basic configurations for pontoon boat railings.

- Flat (Fig. 1)
- Raised (Fig. 2)
- Tapered (Fig. 3)

Flat railings remain even and level as the framework wraps around the boat's deck.

Raised railings are a small segment of railing mounted atop a basic flat railing, normally located even with or slightly behind the helm.

Tapered railings are mostly flat railings until they reach the stern/aft of the boat, where they begin to taper downward until they terminate at the boat's deck.

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Fig. 1

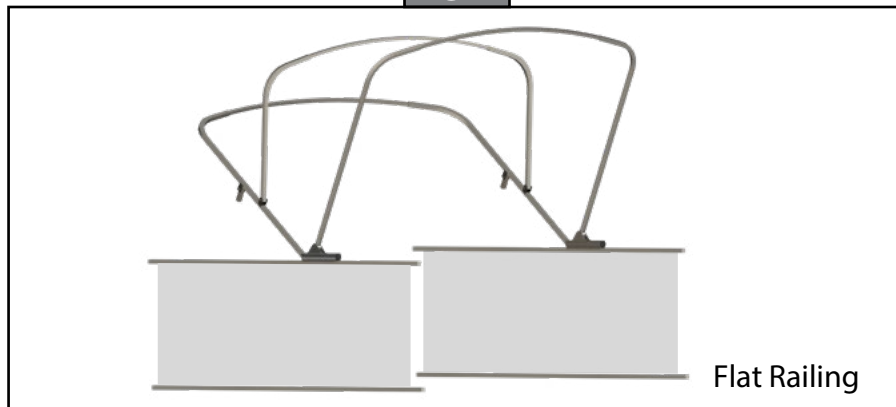


Fig. 2

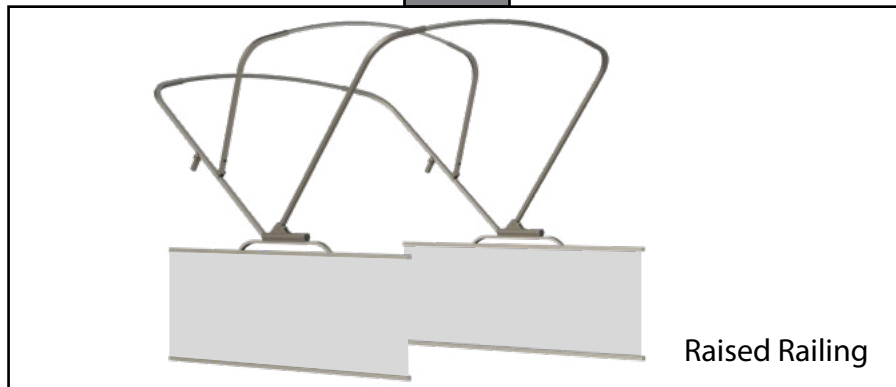
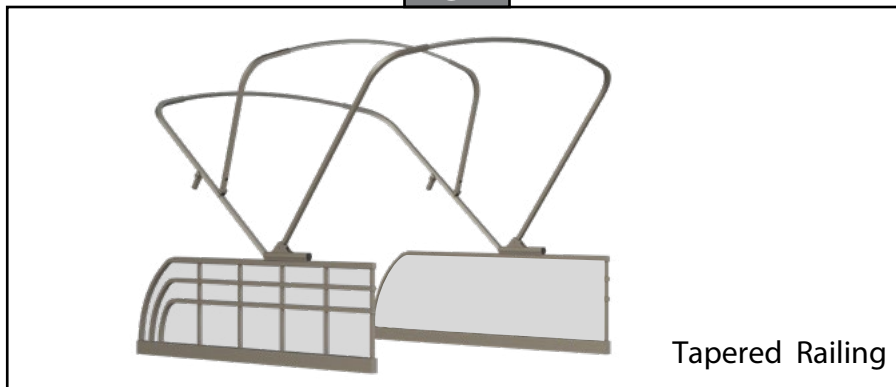


Fig. 3



Ordering

Replacement Standoff

If replacing an existing damaged or missing standoff, do one of the following:

1. Measure the length of the other standoff, note its color—silver or black.
2. Go to <https://support.lci1.com/sureshade-power-bimini> and open the Product Components document to identify the standoff's part number and use the gathered information to order the replacement standoff.

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New Standoff

If ordering a new standoff to match a SureShade Power Bimini Rear Frame Assembly, do as follows:

1. Identify the style of railing installed on the pontoon. See figures 1-3.
2. If measuring from a flat railing (Fig. 1), the standard 5" standoff is the part to order. Note the rear frame assembly's color to order the standoff in that same color.
3. If measuring from a raised railing (Fig. 2), go to the Raised Railing Measurement section to determine the length of standoff needed.
4. If measuring from a tapered railing (Fig. 3), go to the Tapered Railing Measurement section to determine the length of standoff needed.

Raised Railing Measurement



Do NOT position the rear strut assembly at or below level. Positioning the rear strut assembly at or below level can cause damage to the actuator, rendering it inoperable.

1. Position the standoff H-bracket a 1/2" minimum from the mounted rear strut assembly's H-bracket (Fig. 4).

NOTE: Positioning the standoff H-bracket further away from the rear frame assembly's H-bracket lowers the rear strut assembly. Make sure that when positioning the standoff H-bracket further out (towards the aft) the lower rear strut assembly and installed bimini top does not interfere with any rear seating, outboard motors or other fixed items located in the stern of the boat.

2. When positioning the standoff H-bracket further aft, make sure the standoff will rest on a flat, level and straight section of the railing.

NOTE: Do not position the standoff H-bracket any further aft than 33" from the rear strut assembly H-bracket or beyond the straight length of the railing.

3. Lower the rear strut assembly until it is approximately 10 degrees from the top of the flat railing (Fig. 4). Use the angular template (Fig. 7) to adjust the angle and height of the rear strut assembly.
4. Make sure the standoff H-bracket is positioned along the rear strut at least 1 1/2" from where the raised railing terminates into the flat railing (Fig. 4) ensure the standoff will rest on a flat surface.

NOTE: When the strut assembly is fully closed and in its stored position, the standoff must rest squarely on a flat, straight surface of the railing.

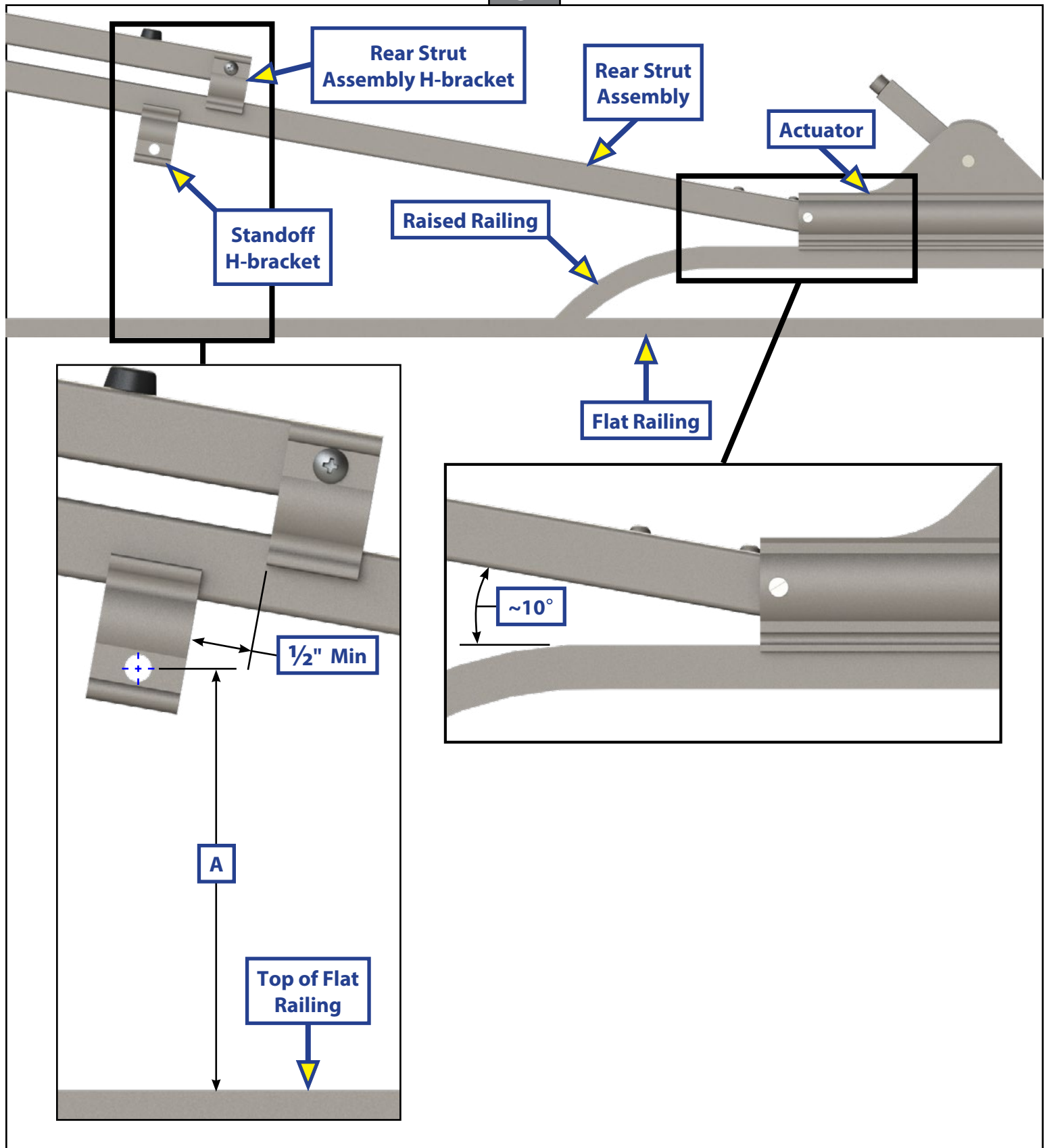
5. After the standoff H-bracket has been properly positioned, measure the vertical distance from the center of the bracket's pivot hole to the top of the flat railing (Fig. 4, Dim A).
 - A. Enter that number in the space of the following equation.
 - B. Add 1 1/4" to the measured dimension.
 - C. Enter the sum in the box. The result will be the approximated length of the standoff to order for the kit.

$$\underline{\hspace{2cm}} + 1 \frac{1}{4} = \boxed{\hspace{2cm}} \text{ inches.}$$

6. Go to the Standoff Ordering Chart.
 - A. Enter the calculated length into the Dimension A column.
 - B. Look down the Size column to find the first length longer than the calculated length recorded in the Dimension A column.
 - C. The number across from the identified size (step B) in the Part Number column will be the part to order.

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Fig. 4



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Tapered Railing Measurement

⚠ CAUTION

Do NOT position the rear strut assembly at or below level. Positioning the rear strut assembly at or below level can cause damage to the actuator, rendering it inoperable.

The length of available flat railing space will have an impact on the placement of the standoff and its length.

Rear Strut-to-Tapered Railing (Fig. 5)

1. Position the standoff H-bracket a 1/2" minimum from the mounted rear strut assembly's H-bracket (Fig. 5).

NOTE: Positioning the standoff H-bracket further away from the rear frame assembly's H-bracket lowers the rear strut assembly. Make sure that when positioning the standoff H-bracket further out (towards the aft) the lower rear strut assembly and installed bimini top does not interfere with any rear seating, outboard motors or other fixed items located in the stern of the boat.

2. When positioning the standoff H-bracket further aft, make sure the standoff will rest on a flat, level and straight section of the railing.

NOTE: Do not position the standoff H-bracket any further aft than 33" from the rear strut assembly H-bracket or beyond the straight length of the railing.

3. Lower the rear strut assembly until it is approximately 10 degrees from the top of the flat railing (Fig. 5). Use the angular template (Fig. 7) to adjust the angle and height of the rear strut assembly.

NOTE: When the strut assembly is fully closed and in its stored position, the standoff must rest squarely on a flat, straight surface of the railing.

4. After the standoff H-bracket has been properly positioned, measure the vertical distance from the center of the bracket's pivot hole to the top of the flat railing (Fig. 5, Dim A).

A. Enter that number in the space of the following equation.

B. Add 1 1/4" to the measured dimension.

C. Enter the sum in the box. The result will be the approximated length of the standoff to order for the kit.

_____ + 1 1/4" = inches.

5. Go to the Standoff Ordering Chart.

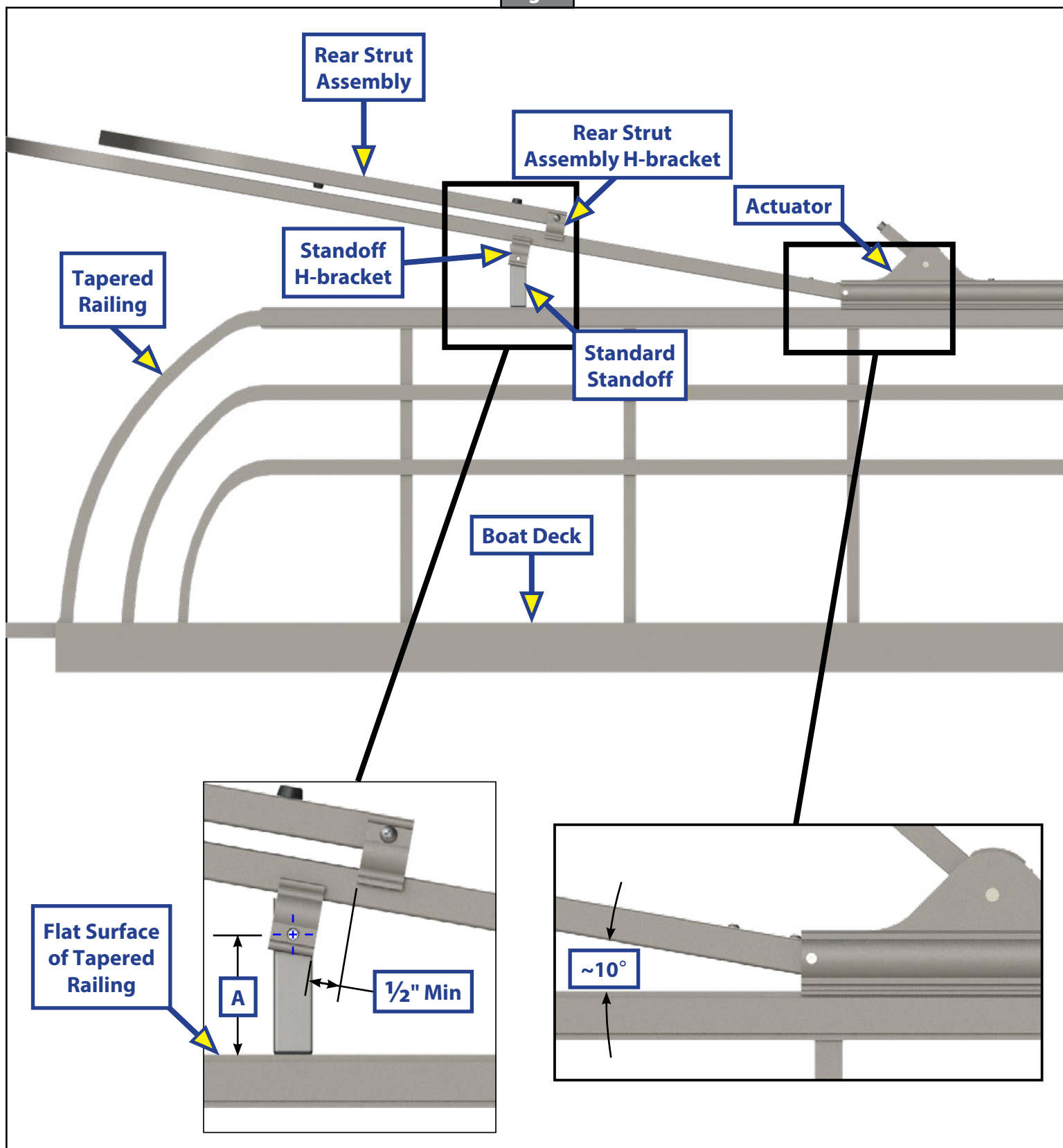
A. Enter the calculated length into the Dimension A column.

B. Look down the Size column to find the first length longer than the calculated length recorded in the Dimension A column.

C. The number across from the identified size (step B) in the Part Number column will be the part to order.

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Fig. 5



Rear Strut-to-Deck (Fig. 6)

If there is not enough available flat surface on the tapered railing for the standoff to rest squarely on a flat, straight surface when the standoff's H-bracket is positioned $\frac{1}{2}$ " minimum from the rear strut assembly's H-bracket, then do as follows:

1. Place the standoff H-bracket further aft along the rear strut until a vertical measurement can be made from the H-bracket to the boat's deck (Fig. 6).

NOTE: Positioning the standoff H-bracket further away from the rear frame assembly's H-bracket lowers the rear strut assembly. Make sure that when positioning the standoff H-bracket further out (towards the aft) the lower rear strut assembly and installed bimini top does not interfere with any rear seating, outboard motors or other fixed items located in the stern of the boat.

2. When positioning the standoff H-bracket further aft, make sure the standoff will rest on a flat, level and straight section of the deck.

NOTE: When the strut assembly is fully closed and in its stored position, the standoff must rest squarely on a flat, straight surface of the deck.

3. Do not position the standoff H-bracket any further aft than 33" from the edge of the rear strut assembly H-bracket or beyond the straight length of the railing.
4. Lower the rear strut assembly until it is approximately 10 degrees from the top of the flat railing (Fig. 6). Use the angular template (Fig. 7) to adjust the angle and height of the rear strut assembly.

NOTE: When the strut assembly is fully closed and in its stored position, the standoff must rest squarely on a flat, straight surface of the railing.

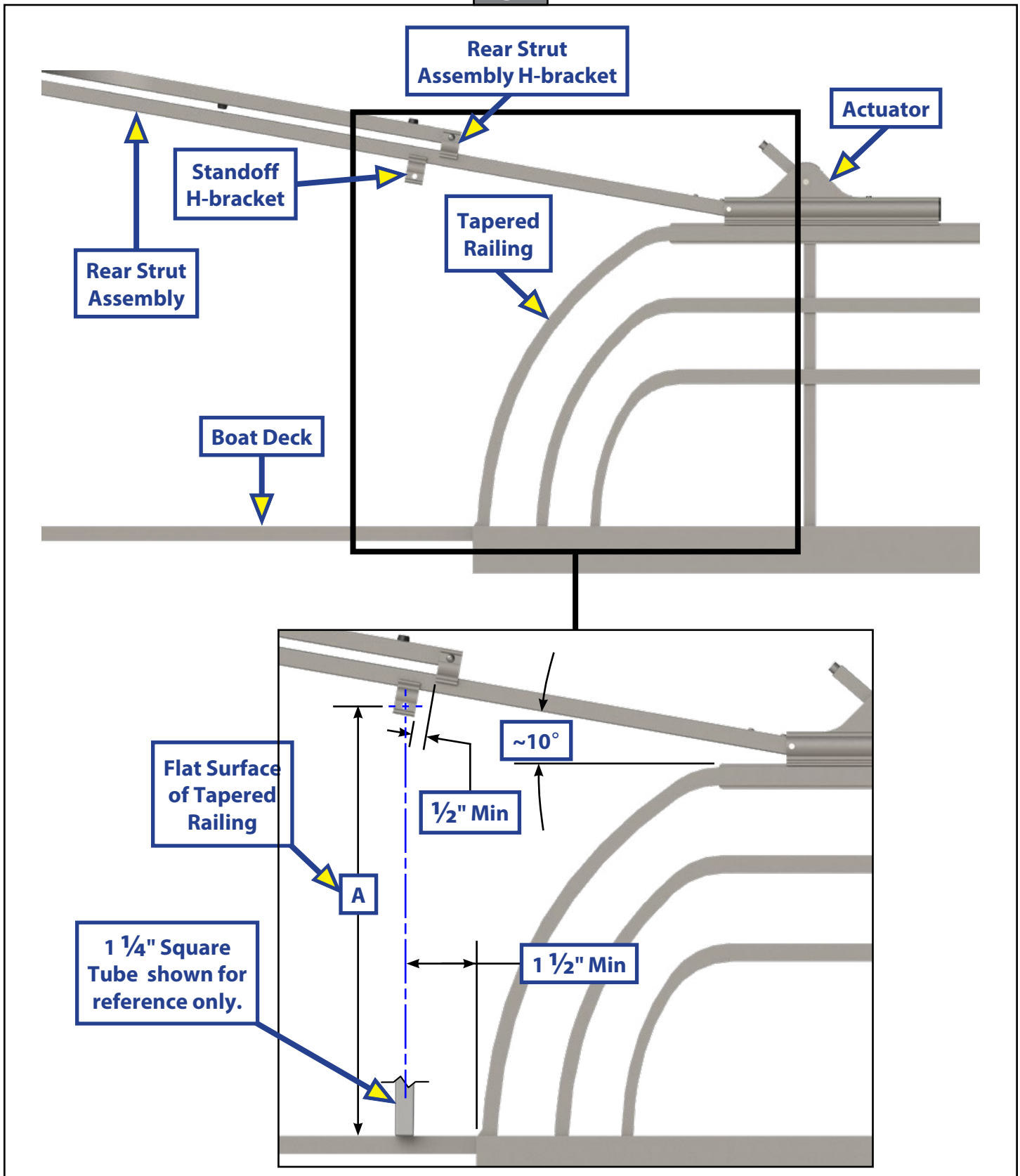
5. Position the standoff H-bracket along the rear strut 1 $\frac{1}{2}$ " minimum from where the tapered railing terminates into the deck (Fig. 6).
6. After the standoff H-bracket has been properly positioned, measure the vertical distance from the center of the bracket's pivot hole to the deck (Fig. 6, Dim A).
 - A. Enter that number in the space of the following equation.
 - B. Add 1 $\frac{1}{4}$ " to the measured dimension.
 - C. Enter the sum in the box. The result will be the approximated length of the standoff to order for the kit.

_____ + 1 $\frac{1}{4}$ " = inches.

7. Go to the Standoff Ordering Chart.
 - A. Enter the calculated length into the Dimension A column.
 - B. Look down the Size column to find the first length longer than the calculated length recorded in the Dimension A column.
 - C. The number across from the identified size (step B) in the Part Number column will be the part to order.

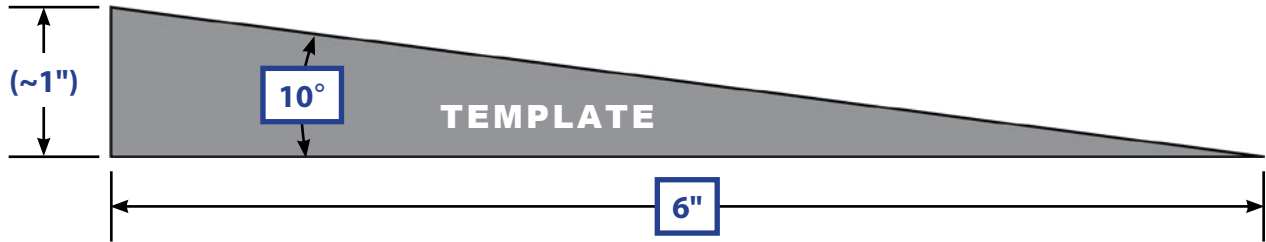
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Fig. 6



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Fig. 7



Rear Strut Assembly Minimum Angular Height Template

Standoff Ordering Chart				
Dimension A	Size	Degree	Part Number	
			Silver	Black
9 3/4"	5"	7	853446	853445
	6"	7	853449	853448
	8"	7	853452	853451
	8"	12	2020000608	2020000607
	8"	7-60	853489	853488
	8"	12-60	853492	853491
	9"	12	853455	853454
	9"	12	853437*	853436*
	10"	12	853458	853457
	11"	7	853647	853460
	11"	7-60	853495	853494
	11"	12-60	853498	853497
	15 1/4"	7	853464	853463
	15 1/2"	12-60	2020134609	2020134610
	5"	22.6-curve	853440†	853439†
	9"	22.6-curve	853443†	853442†

NOTE: *Fluted
†Curved-Round

Standoff Hardware Kit Ordering

If additional standoff hardware needs replacing, refer to the following hardware kit ordering chart.

Standoff Hardware Kit Ordering Chart	
Part Number	Description
2020135038	Standoff Hardware Kit
2020135142	Harris Kayot 8" Standoff Kit
2020219400	Smokercraft Standoff Kit, Clear, 8"
2020219401	Smokercraft Standoff Kit, Black, 8"

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Follow proper safety practices. If in doubt, consult a professional RV technician.