



# Before You Install.

There is an incredible range of trailers with varying types of winch posts and platforms.

To help, here the following gives the ideal set-up you need for a range of boat types. You can print this off and take it to your trailer supplier.

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# Introduction

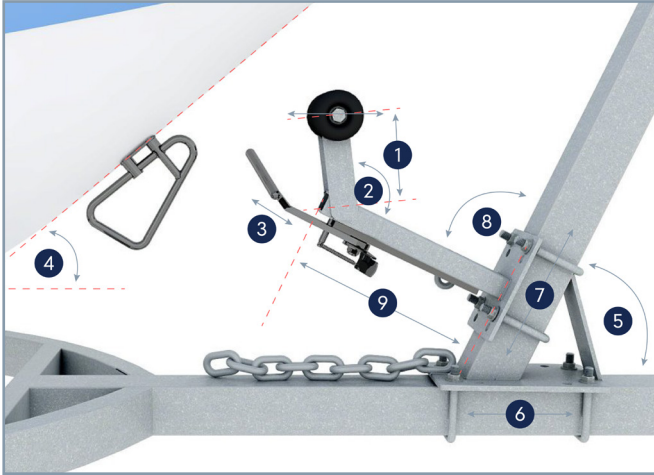


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# Key Variables - How to sort out issues



## 1. Roller Supports - Length

If they are a bit short you can use the Roller Extender (Page 6)

## 2. Roller Supports - Angle

Short Roller supports may mean you cannot hold the boat back, and the Latch can hit the boat or the Snare hits the front of the Winch Support. Solution - use the Roller Extender (Page 6)

## 3. Latch - forward/Rear adjustment

A range of holes allows adjustment - forward & back. Can be limited if the Winch Platform length is short. Use Latch Support (Page 5)

## 4. Bow Angle

Typical shown here - but there are other extremes out there. This throws out the Latch/Snare angle. See page 2 & 4 to compensate.

## 5. Winch Post - Angle

This is shown at an angle of 65° which for Fibreglass boats is normally OK. For Towing Eye (Aluminium) boats moving up to about 85° (or replace post) will usually sort out problems, OR use the Roller Extender (Page 6) to compensate.

## 6. Winch Post - Forward/Back

When installing - start with the winch Post back out of the way. When adjusting - move the Winch Post forward with the Roller/Wedge up against the bow.

## 7. Winch Platform - Height

Move up/down to get the roller/wedge to a point just above the Snare top. You want to 'wedge' the boat front so it cannot move up or down on the trailer.

## 8. Winch Platform - Angle

You can adjust this using (Page 4) the Wedge Kit + 14° up or down.

## 9. Winch Platform - Length

Some Winch platforms are short. This robs you of adjustable length, and you may not be able to mount the front bolt on the Latch. You can extend this by using the Latch Support (part of the Wedge Kit).

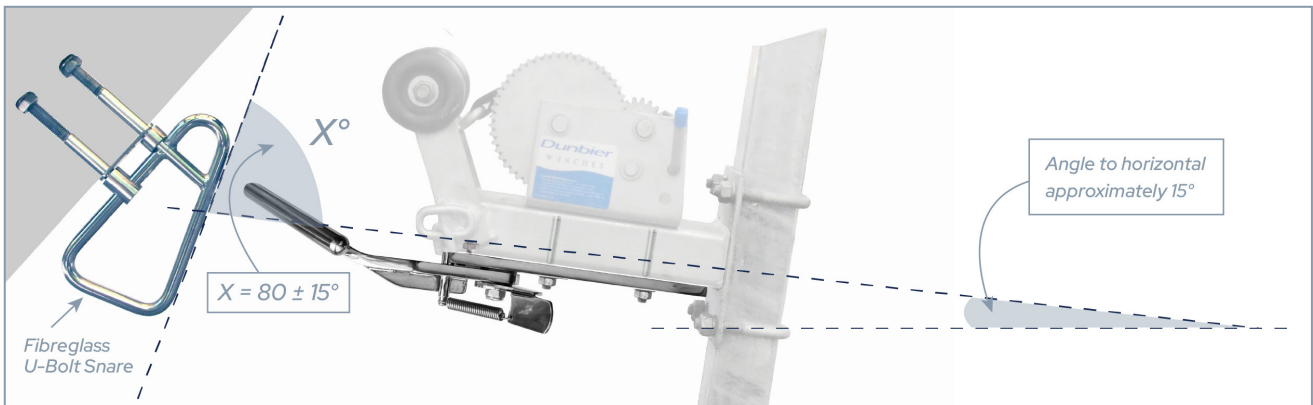
# The Best Angle for the Snare to hit the Latch

The key issue in getting good performance with the L & R Boat Latch is to have the correct angle where the Latch meets the Snare.

You need to roughly measure this angle. See guide on next page.

There are some very odd winch plate and winch posts out there. If the angle is not right you can adjust it using the "Wedge Kit" option or change the winch plate or the winch post.

To help you work out the angles, we have printed some on the next page.



If you do not have the right angle then the latch angle is the thing to adjust.

## How to change the Latch angle

1. Use the L & R 'Wedge Kit' which allows you to alter the angle in either direction by  $14^\circ$ . See further instructions on the website under "Installation Process".
2. OR change the winch post or winch platform for another from your local trailer supplier for one that has a more suitable angle.

## Example

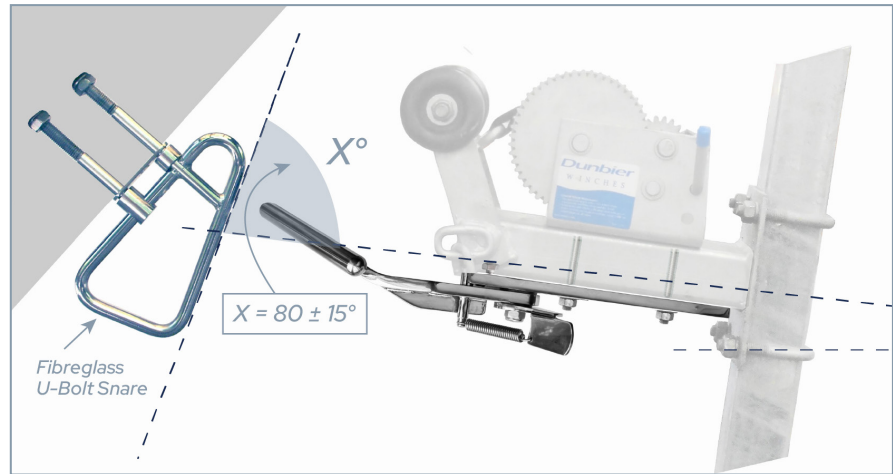
Here are two where the 'Wedge' would sort out the angle problem. The ski boats are about  $58$  to  $62^\circ$  which is too low, and the 'Wedge' will bring them nicely into the right operating range.



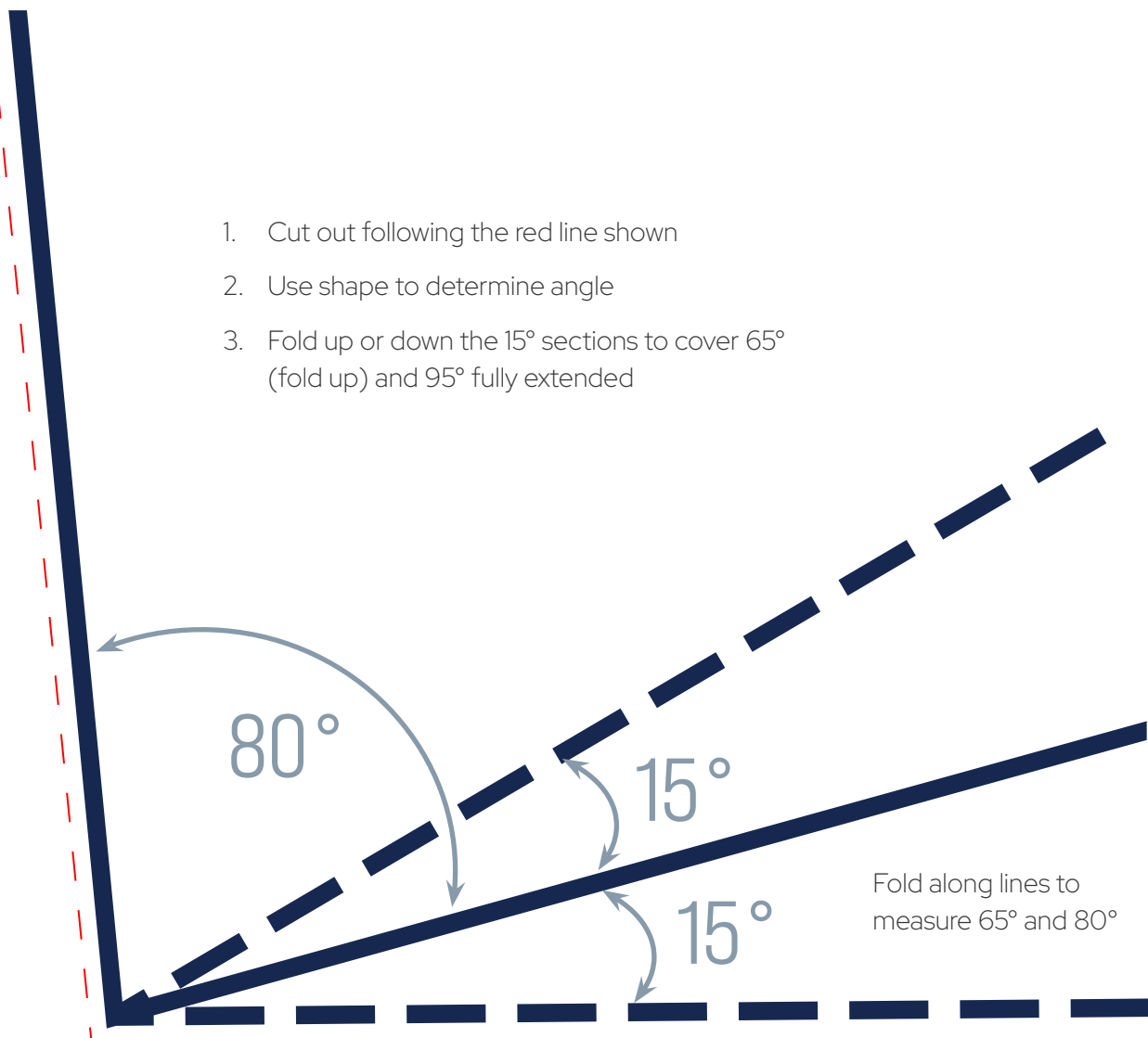
# Best Angle - How to measure it



Paper cut out to measure angle.  
Use scissors to cut where the red lines are shown.



1. Cut out following the red line shown
2. Use shape to determine angle
3. Fold up or down the  $15^\circ$  sections to cover  $65^\circ$  (fold up) and  $95^\circ$  fully extended



# Altering the Snare to Latch angle - Using Wedge Kit option

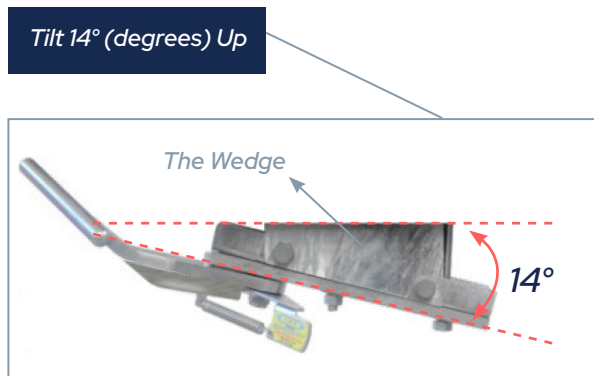


Where the angle of the Snare to the Latch is altered using the L & R 'Wedge'. This allows you to vary the existing angle by 14° up or down. This also has the benefit of giving a proper mount point for the front bolt.

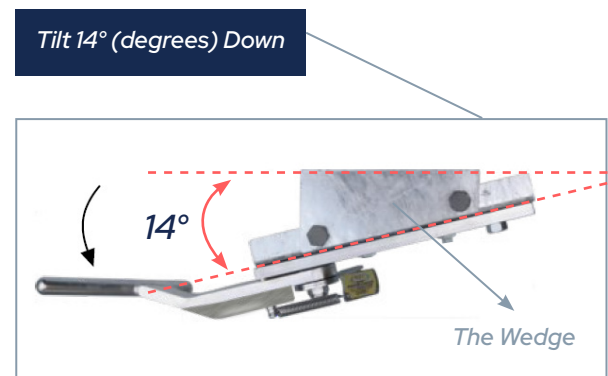
The 'Latch Support' can be mounted at an angle using the 'Wedge' side plates. This

provides a simple way of adjusting the angle that the Latch hits the Snare.

A fast and simple way of coping with some of the more unusual trailers out there that do not have a suitable surface at the right angle to mount the Latch.



*An angle of 51° could be moved up to 65°  
- just within usable range.*



*An angle of 109° could be moved down to 95° - the top of a usable range.*



# No support for your Latch front bolt ? - Use Latch Support

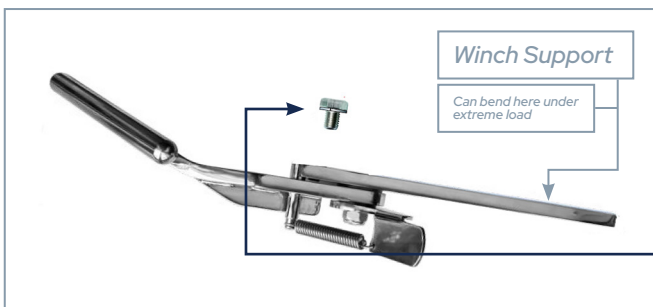


Where the front of the latch is sitting out 'in space' with no backing support and no surface to mount the front latch bolt.

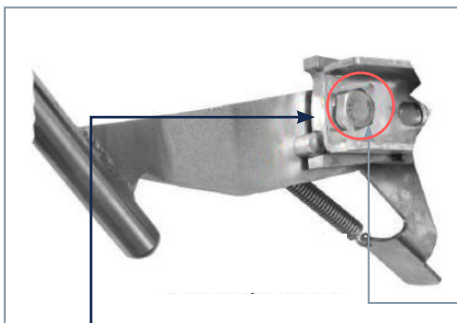
In these circumstances the front of the latch can bend in extreme situations and ruin its functionality. No support - no warranty.

You can also combine this with the wedge plates to adjust the angle as well if required.

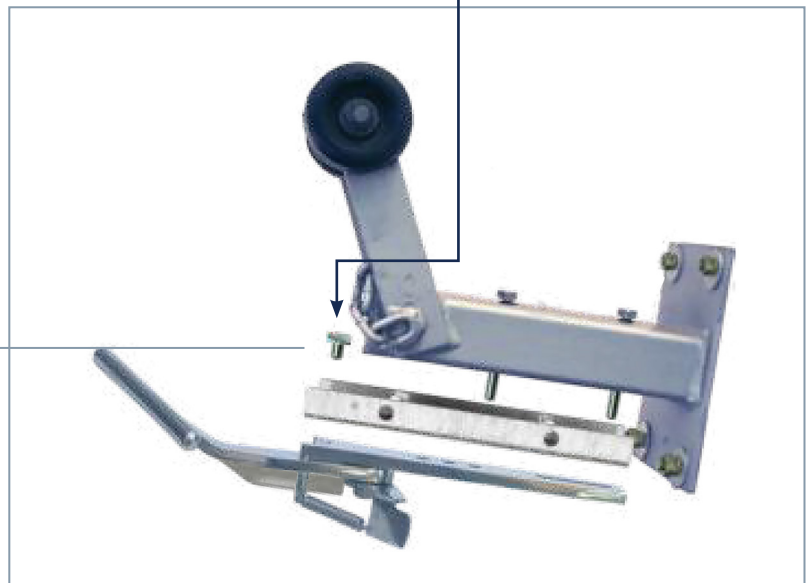
The Latch Support comes as a kit together with the Wedge plates.



**This front bolt must be installed otherwise you will void the warranty.**



**Front bolt**



# Roller doesn't reach out far enough - Roller Extender option



## ADJUSTMENT

*Horizontal Adjustment*  
48 mm max.  
(4 hole positions)

*Vertical up/down*  
40 mm roller support arms  
Rear hole 121 mm (4")  
Front hole 24 mm (1")

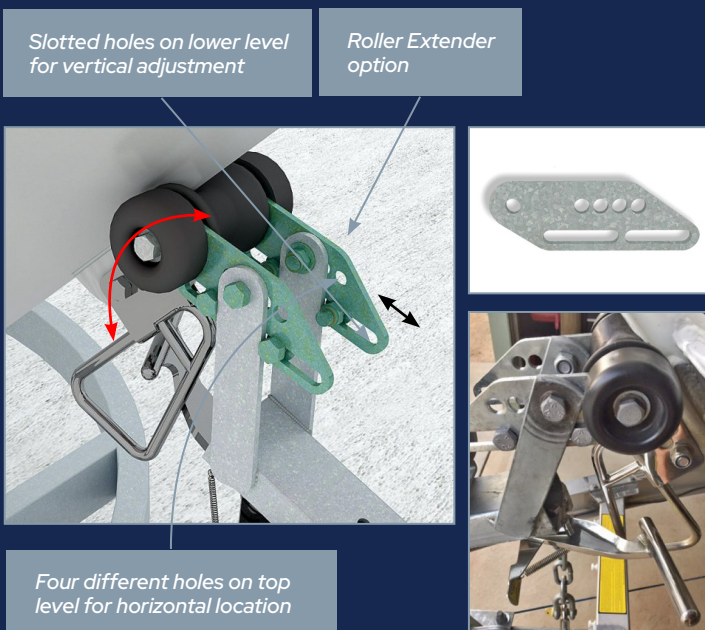
*50 mm roller support arms*  
Rear Hole 104 mm (4.8")  
Front hole 28 mm (1.1)

Heavy Duty Towing Eye (Aluminium boat) Snare shown

## Example

Here is an example showing an Aluminium boat more commonly used on Towing Eye (Aluminium) boats. In this case the difference is the post angle. There are heaps of different posts out there. Here the more vertical post

(with the same winch platform) allows the roller to sit up against the bow with the latch not too far forward. The Roller Extender allows a 'quick fix' without cutting, boring or welding.



## ROLLER EXTENDER OPTION

Used where the roller needs to be able to project out further to the bow. More commonly required on Towing Eye (Aluminium) boats.

There are 4 adjustment horizontal positions. The bolts locate in one of these and the other pair of bolts go in slotted holes, allowing the roller/wedge to swing up/down for vertical adjustment. The 2 lower bolts are fixed so that the bolt or nut heads are located against the vertical Roller supports of the winch platform, as shown, limiting movement.



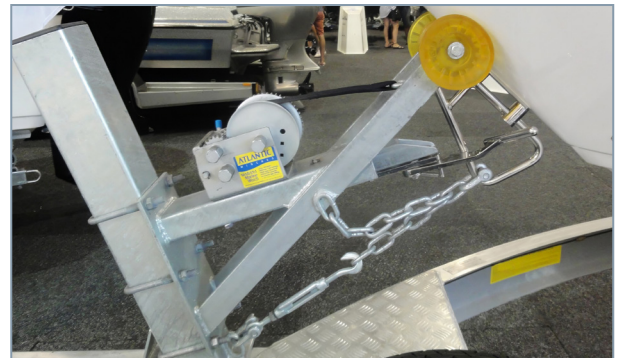
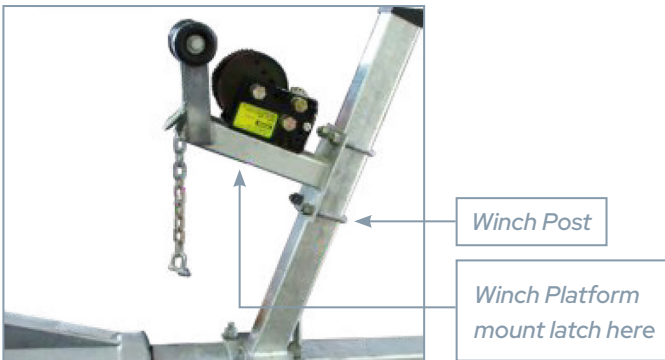
# Changing the Winch Post or Winch Platform



This set up is fine, but there are a number that pose challenges in that they do not have room to mount the Latch and/or they have unusual angles. Fortunately nearly all trailers use a demountable system and in a few minutes you can remove the winch post/platform and replace it.

Here we see a quite different style of winch post, where a Latch Support (not our standard one) has been inserted into the tube section under the winch and bolted.

This allows you to locate the Latch out further so as to reach the Snare.



## HOW TO MAKE MY OWN WINCH POST AND/OR WINCH PLATFORM?

We have a publication "Right Winch Post & Winch Platform" which provides component detail and a design to produce from. Find on website under How to Install > Installation FAQ's > Can I make my own winch/post and/or winch platform.



# REPLACE WINCH POST OR WINCH PLATFORM



## 1. Replace the Winch Post or Platform (from Australian source).

Use a replacement from your local Boat Latch trailer supplier for one that has a more suitable angle.

Example here is an Easytow Boat Trailer options made for Boat Latch.



[www.easytow.com.au](http://www.easytow.com.au)

## 2. Replace Winch Post or Platform (from USA source).

Available at: Out Of The Box Parts	Available at: Sturdy Built Online	Available at: Boat Trailer Parts	Available at: Eastern Marine
 <a href="#">More Details</a>	 <a href="#">More Details</a>	 <a href="#">More Details</a>	 <a href="#">More Details</a>
 <a href="#">More Details</a>	 <a href="#">More Details</a>		 <a href="#">More Details</a>

# Catamarans



The L & R Boat Latch is being used on a multitude of catamarans. Some adaptations are needed.



Examples directly above are from VoyagerCatamarans

[www.voyagercats.com.au](http://www.voyagercats.com.au)



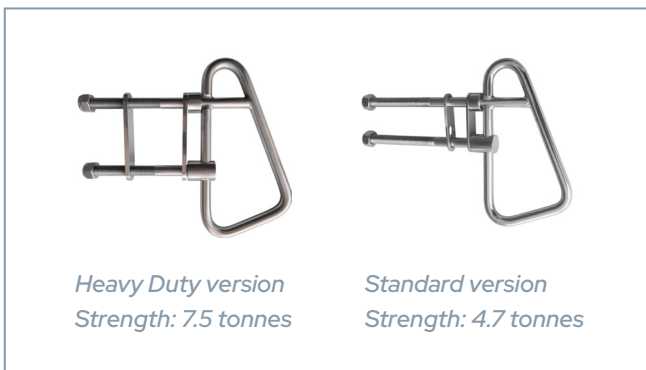
# Should you be using a Large Heavy Duty Snare?



## You have a large boat or a very heavy duty application?

Release & Retrieve Boat Latch Pty Ltd have released heavy duty snares, intended for boats over 7 metres (23 ft). There is a version for Fibreglass boats and now one for Towing Eye (Aluminium) boats.

### FIBERGLASS BOATS



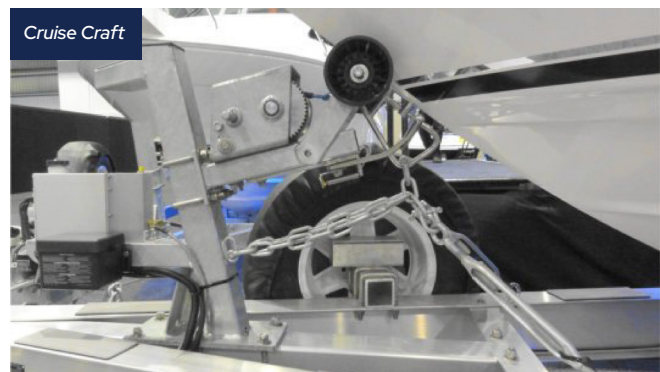
### TOWING EYE (ALUMINIUM) BOATS



Heavy Duty L & R fibreglass snare fitted to a Haines Hunter 675 Enclosed.



And a Cruise Craft fitted with a Heavy Duty L & R fibreglass snare.



# Get out there and enjoy.



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