

*A View Towards Excellence*

## **Horizon** **Maintenance & Service Guide**



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## Rescreen 80mm and 100mm

### Rescreening

*Top endcap – remove 2 screws*

*Bottom endcap – remove 2 screws*



*Top endcap – remove 1 rivet in backer*

*Top endcap – remove 2 screws*



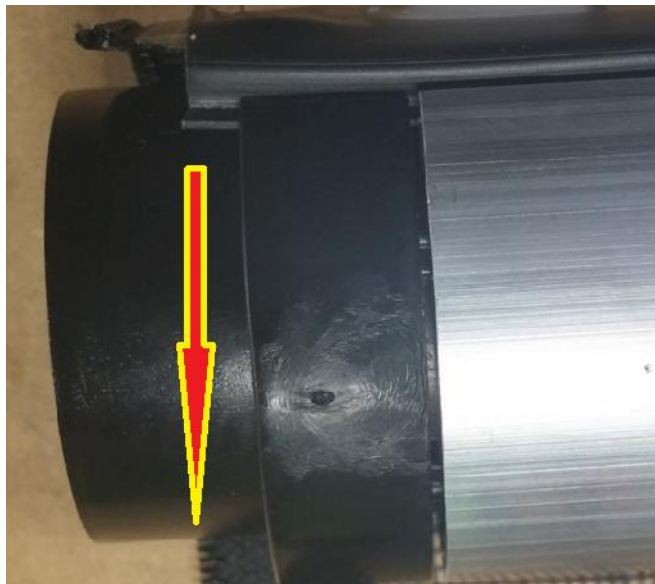
## Rescreen 80mm and 100mm

Remove: front housing, cap & spring  
**CAREFULLY** it is under tension

*\*Match mesh spline to the roll tube*



*\*Tip – Unroll existing mesh and line up new mesh the same way onto roller tube*  
Overlay the mesh equal amounts on each end of the roller tube



## *Rescreen 80mm and 100mm*

Secure the tape and roll up the mesh with the existing tape



Place the spring in the upper endcap, re-attach the endcaps, and feed the mesh into the endcaps



## *Rescreen 80mm and 100mm*

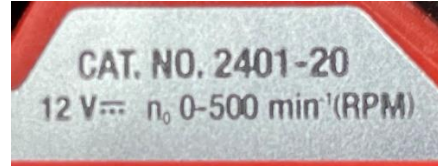
Replace the front cover by installing top and bottom screws, and the backer plate with a single screw (supplied by others)



Slide the pull bar onto the mesh spline then tighten the spring

## Rescreen

Clockwise at the front to *increase* tension

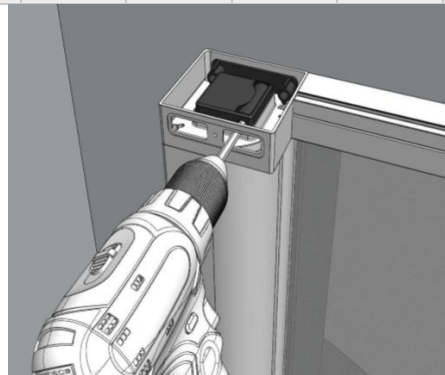


**Drill speed rating = Maximum 500 RPM**

*\*21 gearbox rotations = 1 spring rotation*

**Seconds to tension from reset (0 rotations)**

<b>Seconds</b>	<b>Width</b>									
<b>Height</b>	<b>4</b>	<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>21</b>
<b>6</b>	48	72	56	60	64	68	72	96	80	82
<b>8</b>	52	56	60	64	68	72	76	80	84	86
<b>10</b>	56	60	64	68	72	76	80	84	88	90
<b>11</b>	58	62	66	70	74	78	82	86	90	92



*Lay the unit face-up. Increase tension, **clockwise at the front.***

*Reinstall the unit. Test by drawing the screen out. Tension may be increased or decreased while the unit is in place if necessary. If possible, have the homeowner operate.*

***Do not rotate beyond max RPM! Do not over tension! Never wind for more than the listed max seconds from reset (0 rotations).***

## *Replace Gearbox or Spring*

*To inspect/replace gearbox (located in the top endcap), remove top cap on gearbox, if gears are damaged undo the 4 screws in the gearbox*

*Spring Replacement: Follow instructions to rescreen as above and when the spring is removed from the gearbox in the top endcap, replace with the new spring and proceed to reassemble and wind spring*

*Remove backer plate*

*Remove cap & spring*

*Replace spring*

*Install cap*

*Wind spring*

*Gearbox Replacement: Follow instructions to rescreen and when the spring is removed from the gearbox in the top endcap, remove the top cover on the gearbox, and undo the 4 screws holding it in place. Replace with the new gearbox, insert the spring and proceed to reassemble and wind spring*

*Remove backer plate*

*Remove cap & spring*

*Replace gearbox*

*Install cap*

*Wind spring*

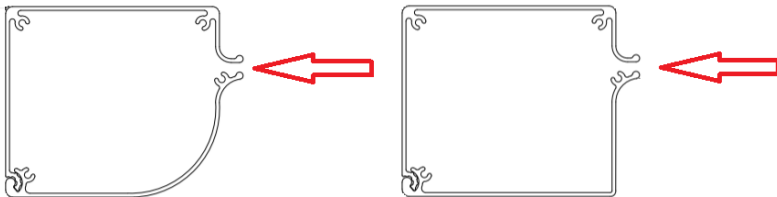


# Horizon

## *Pull-bar difficult to move, won't retract back to housing*

*Check the housing(s) are plumb – front to back, left to right, sitting flat on the bottom*

*Check the gap in housing is not pinching the mesh – if the housing has been twisted or forced into the opening during the install, the slot may get squeezed smaller. This will prevent the screen from operating smoothly or at all.*



### ***Check the tracks are level, flat and straight, with no humps***

*Check the upper and lower track are screwed into place*

*Check all tracks are tight to the housing, and correctly seated in position*

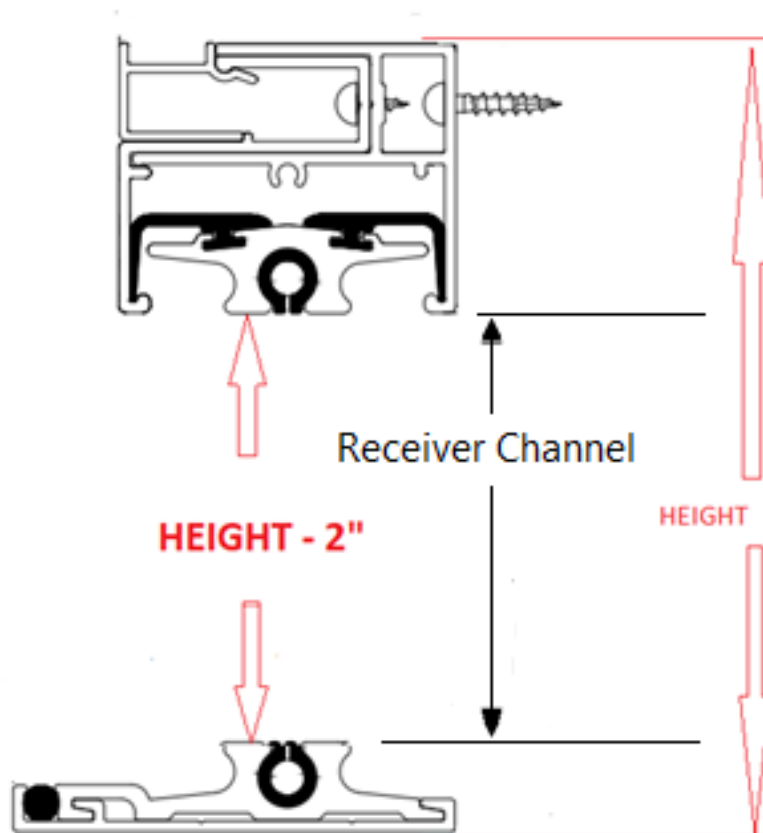
*Check that there is vertical play in the pullbar*

*If there is no vertical play in the pullbar, check tracks are aligned and positioned correctly by using the receiver channel or as detailed below.*

## *Pull-bar difficult to move, won't retract back to housing*

*Checking that tracks are spaced correctly either by using the provided receiver channel, or a measuring gauge to ensure the gap between the "Bottom of the Top track and the Top of the bottom track is **2" less than the height of the housing***

*Apply Dry Silicon to the tracks*



## *Pullbar difficult to move, won't retract back to housing*

*If the Pullbar won't retract all the way back to the housing or mesh is "bunching" up it is likely due to stress on the housing during installation (when operating the screen, it is also typically louder). Remove the front housing cover only.*

*Top endcap – remove 2 screws    Bottom endcap – remove 2 screws*



*Lower Track Spline on left, cut to fit*



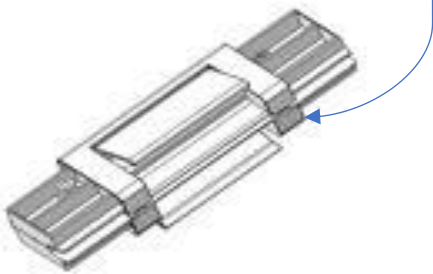
*Locate small spline in the channel*



## Adjusting Brake rods

*To release the brake rods on doors with mohair on the pullbar (standard on single doors, magnets are standard on the double door pull bars)*

*Remove the handle cover plate - insert a flat head screwdriver around the mohair to unclip*

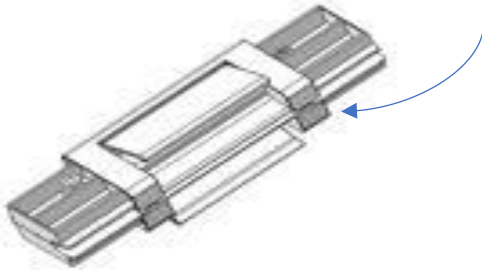


*Unscrew the 2 small 2mm Allen screws (one on each side, one at the bottom and one at the top)*

*With the handle released, before tightening the 2mm Allen screws, position the lower set screw is as low as possible in the channel – then tighten the screw. Repeat on the other side on the upper set screw, making sure that it is as high as possible in the channel – then tighten the set screw*

## Replacing Pullbar end caps

Remove the handle cover plate - insert a flat head screwdriver around the mohair to unclip



Unscrew the 2 small 2mm Allen screws (one on each side, one at the bottom and one at the top)



Unscrew and remove the endcaps from the pull bar – 4 screws on each end



## Replacing Pullbar end caps

*Remove the 8 screws that fasten the handle to the Pullbar, 4 on the top and 4 on the bottom and separate the handle from the Pullbar*



*To rebuild, hook the brake rod onto the Pullbar endcap, insert the endcap into the handle and re-fasten the 4 screws on one end of the Pullbar*



## Replacing Pullbar end caps

A) Brake rod projects out the other end of the Pullbar, feed the brake rod it the slot in the handle, make sure the brake rod is located in the slot with the screw – do not tighten the 2mm Allen screw

B) Insert the handle into the Pullbar

C) Fasten the 4 screws to connect the handle and Pullbar

A



B



C



Repeat with the other Pullbar end cap

Release the handle, position the lower set screw is as low as possible in the channel before tighten the 2mm Allen screw, tighten the screw, both sides then replace the covers



## Re:Re Handle

*With a flat head screwdriver, gently remove the handle cover plate - insert a flat head screwdriver around the mohair to unclip*



*Release the 2mm Allen set screws in the handle – 1 on each side, 1 on the top side, 1 on the bottom side*





## Re:Re Handle

*Remove the 4 screws from each Pullbar endcap, and pull out the endcap*



*Remove the 8 screws that fasten the handle to the Pullbar, 4 on the top and 4 on the bottom and separate the handle from the Pullbar*



## Re:Re Handle

*To rebuild, hook the brake rod onto the Pullbar endcap, insert the endcap into the handle and fasten the 4 screws on one end of the Pullbar*



*The brake rod will project out the other end of the Pullbar*

*A) feed the brake rod into the slot in the handle – do not tighten the 2mm Allen screw*

*B) Insert the handle into the Pullbar*

*C) Fasten the 4 screws to connect the handle and Pullbar*

A



B



C



## Re:Re Handle

*Repeat with the other Pullbar end cap*

*With the handle released, before tightening the 2mm Allen screws, position the lower set screw is as low as possible in the channel – then tighten the screw.*



*Replace the cover*

## Magnet not holding

*Single doors: Standard configuration does not have magnets*

*Optional magnets: check that the magnets are correctly aligned between the Pullbar and receiver channel, and that one is not installed upside down*

*Double doors: Standard configuration has magnets on both pull bars and brake latches on the top (optional to have brake latches on the bottom)*

*Check that brake latches are installed at the track or corner joiners on the top*

*Check that the magnets are correctly aligned between the Pullbar and receiver channel, and that one is not installed upside down*

## Mesh damage



<sup>1</sup> Details and Specifications subject to change Jan 2, 2024