

Instruction

-Preloading the spring shaft-
-Cord fastening-

-Studio Star EL4-
(with box on bottom)

-Mini-Wiga EL4, Typ D...-
(with box on bottom)



This Operating Instruction contains important safety instructions. For the safety of persons it is important to follow these instructions. This instruction should be kept.

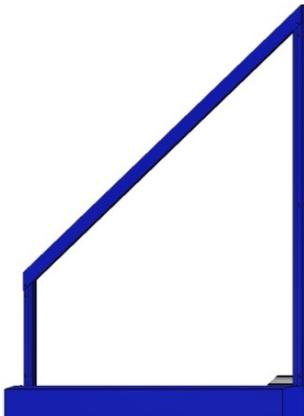
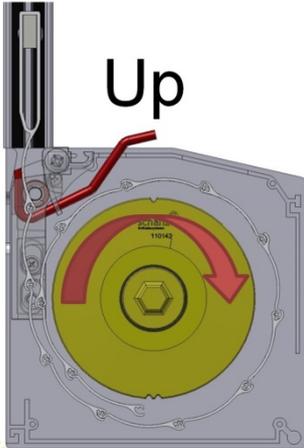
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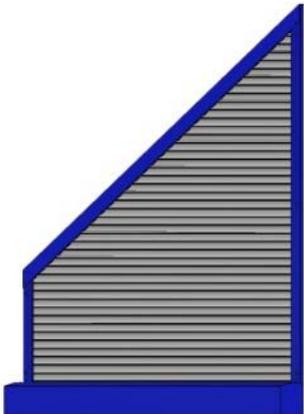
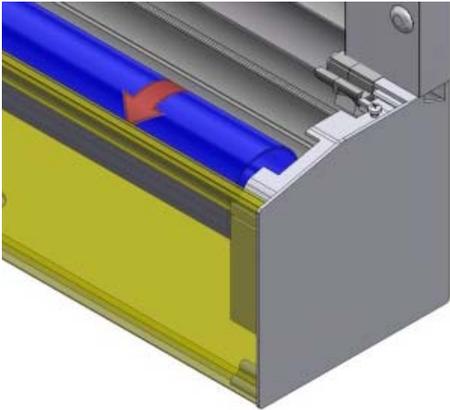
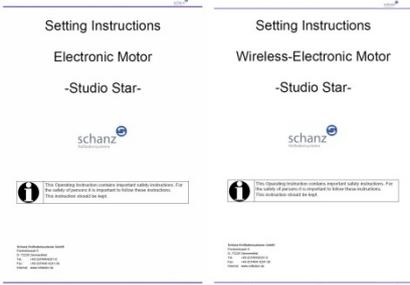
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1. Preloading the spring shaft

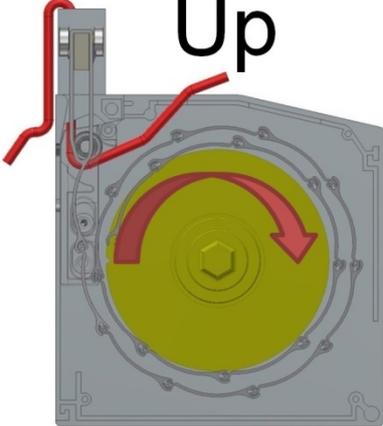
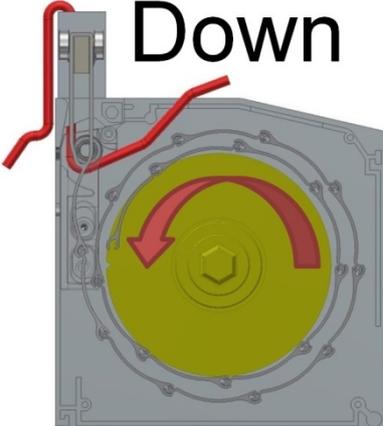
1.1. With lowered roller shutter slat (Roller shutter is installed)

Step No.	Operation	Note	Check
	<p>Prerequisites:</p> <ul style="list-style-type: none"> - The motor is in learning mode. - The cord is pulled through the guide rail and within the side part below the return pulley. - The cord is not being fixed to the cord pulley. - The roller shutter slat is completely reeled up. 		
10	<p><u>Loosen the spring shaft</u></p> <ul style="list-style-type: none"> - Let the roller shutter run in the „Up“ direction until the roller shutter slat moves slightly or swells. or - Let the roller shutter run at least 60 Sec. in the „Up“ direction. <p><u>Load the spring shaft</u></p> <ul style="list-style-type: none"> - Let the roller shutter run 13 rotations in the „Down“ direction. Now the spring shaft is being preloaded. As a guidance for counting the notches on the cord pulley can be used. 	 <p style="text-align: center; font-size: 2em;">Up</p>  <p style="text-align: center; font-size: 2em;">down</p>	<ul style="list-style-type: none"> - The cord is not being fixed to the cord pulley. - The correct running direction of the cord pulley. - Make sure that the spring shaft is completely loose before loading. - Secure the roller shutter slat against spinning. - The correct running direction of the cord pulley.
	<p>Fix the cord according to point „2. Cord Fastening“ in this instruction.</p>		

1.2. With pulled-up roller shutter slat (Roller shutter is installed)

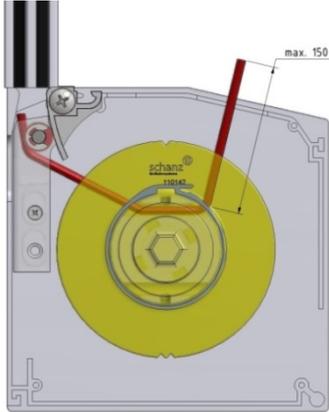
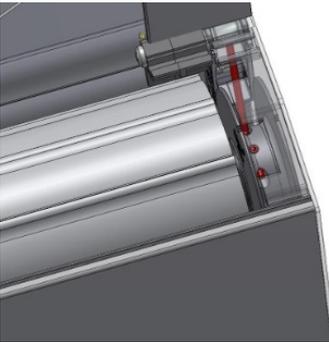
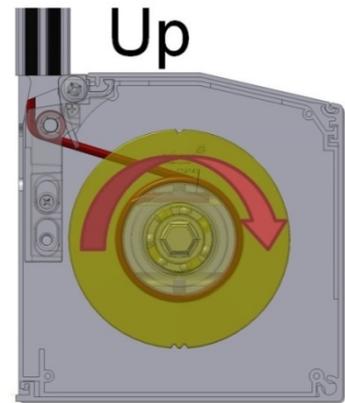
Step No.	Operation	Note	Check
	<p>Prerequisites:</p> <ul style="list-style-type: none"> - The motor is in learning mode. - The roller shutter slat is completely reeled off and secured against shifting. 		
10	<p><u>Loosen the spring shaft</u></p> <ul style="list-style-type: none"> - Disassemble the roller shutter slat from the motor shaft. - The spring shaft loosens itself! <p><u>Loading the spring shaft</u></p> <ul style="list-style-type: none"> - Turn the motor shaft manually 6 rotations in the "Up"-direction to preload the spring shaft. - Attach the roller shutter slat again to the motor shaft. 		<ul style="list-style-type: none"> - Make sure that the spring shaft is completely loose before loading. - The correct running direction of the motor shaft.
	<p>Setting the roller shutter according to the Setting Instructions "Electronic Motor – Studio Star" or "Wireless-Electronic Motor – Studio Star".</p>		

1.3. With lowered roller shutter slat (Roller shutter is not installed)

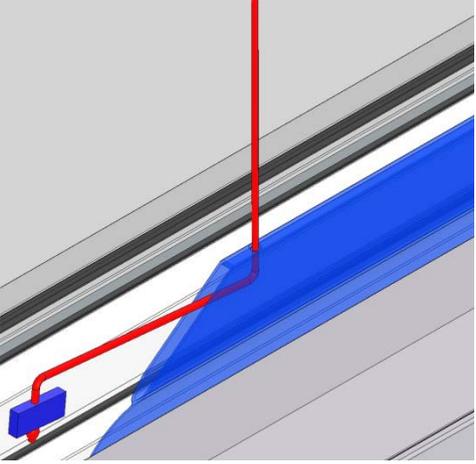
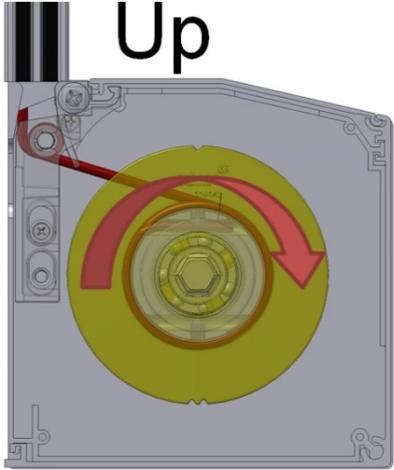
Arbeitsgang Nr.	Arbeitsvorgang	Bemerkungen	Prüfungen
	<p>Prerequisites:</p> <ul style="list-style-type: none"> - The motor is in learning mode. - The cord is pulled below the return pulley through the pin of the side part. - The cord is not being fixed to the cord pulley. - The roller shutter slat is completely reeled up. 		
10	<p><u>Loosen the spring shaft</u></p> <ul style="list-style-type: none"> - Let the roller shutter run in the „Up“ direction until the roller shutter slat moves slightly or swells. or - Let the roller shutter run at least 60 Sec. in the „Up“ direction. <p><u>Load the spring shaft</u></p> <ul style="list-style-type: none"> - Let the roller shutter run 13 rotations in the „Down“ direction. Now the spring shaft is being preloaded. <p>As a guidance for counting the notches on the cord pulley can be used.</p>	<p style="text-align: center; font-size: 2em;">Up</p>  <p style="text-align: center; font-size: 2em;">Down</p> 	<ul style="list-style-type: none"> - The cord is not being fixed to the cord pulley. - The correct running direction of the cord pulley. - Make sure that the spring shaft is completely loose before loading. - Secure the roller shutter slat against spinning. - The correct running direction of the cord pulley.
	<p>Fix the cord according to point „2. Cord Fastening“ in this instruction.</p>		

2. Cord Fastening

2.1. To the cord pulley

Step No.	Operation	Note	Check
	<p>Prerequisites:</p> <ul style="list-style-type: none"> - The spring shaft is preloaded. - The motor is in learning mode. - The cord is attached to the end rail and pulled through the guide rail within the side part below the return pulley. 	<p>The preload of the spring shaft can be checked by pulling out the roller shutter slat.</p>	<ul style="list-style-type: none"> - Preload of the spring shaft is sufficient. - The roller shutter slat must be coiled sufficiently.
10	<p>Attach the cord</p> <ul style="list-style-type: none"> - Pull the cord through the corresponding hole in the cord pulley. - Pull the cord completely until it is tight. - Cut the cord at max. 150 mm behind the fastening screw. - Melt the cord end with a cigarette lighter. <p>- Pull back the cord by the same measure and attach it.</p> <p>Note: With a double pull cord put the other end of the cord into the 2nd drilling hole of the cord pulley and fix it as described above.</p>	 	
20	<p>Winding up the cord to the cord pulley</p> <ul style="list-style-type: none"> - Let the roller shutter run in the „Up“-direction. The cord winds itself to the cord pulley. <p>Attention: Mind the correct direction of rotation of the cord pulley because the cord could also be wound up to the cord pulley in an incorrect running direction.</p> <p>The roller shutter should move upwards within 5 seconds!</p>		<ul style="list-style-type: none"> - Correct running direction of the cord pulley.
	<p>Setting the roller shutter according to the Setting Instructions “Electronic Motor – Studio Star” or “Wireless-Electronic Motor – Studio Star”.</p>		

2.2. To the end rail

Step No.	Operation	Note	Check
	<p>Prerequisites:</p> <ul style="list-style-type: none"> - The spring shaft is preloaded. - The motor is in learning mode. - The cord is attached to the cord pulley, pulled over the cord pulleys in the guide rail and if applicable the bezel. 	<p>The preload of the spring shaft can be checked by pulling out the roller shutter slat.</p>	<ul style="list-style-type: none"> - Preload of the spring shaft is sufficient. - The roller shutter slat must be coiled sufficiently.
10	<p><u>Attach the cord</u></p> <ul style="list-style-type: none"> - Insert the cord end through the provided drilling hole in the end rail and if necessary through the end rail inset and knot it together. - Pull the cord through completely until it is tight. - The distance of the knot to the end rail hole should be 150 mm max.. <p><u>Note:</u> In case the end rail is too long the roller shutter jacket can be pulled out of the box and thereby the knot can be set to the required position.</p> <ul style="list-style-type: none"> - Overhangig cord should <u>not</u> be cut immediately after the knot – leave it longer for approximately 100 mm. - Melt the cord end with a cigarette lighter. - Put the end rail inset into the end rail and stow the remaining cord in the end rail. 		
20	<p><u>Winding up the cord to the cord pulley</u></p> <ul style="list-style-type: none"> - Let the roller shutter run in the „Up“-direction. The cord winds itself to the cord pulley. <p>Attention: Mind the correct direction of rotation of the cord pulley because the cord could also be wound up to the cord pulley in an incorrect running direction.</p> <p>The roller shutter should move upwards within 5 seconds!</p>		<ul style="list-style-type: none"> - Correct running direction of the cord pulley.
	<p>Setting the roller shutter according to the Setting Instructions “Electronic Motor – Studio Star” or “Wireless-Electronic Motor – Studio Star”.</p>		

3. Copyright/ References to this documentation

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