

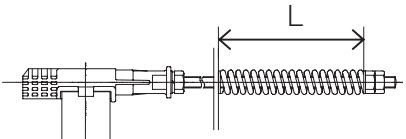
Notes

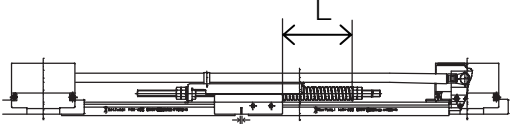
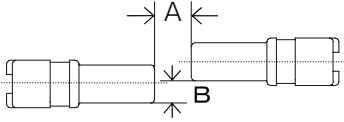
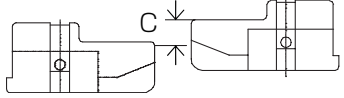
<To Maintenance manager>

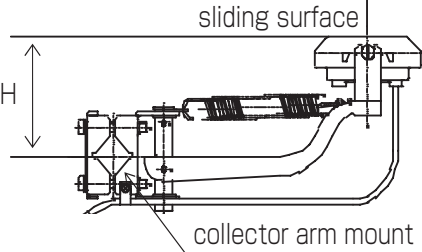
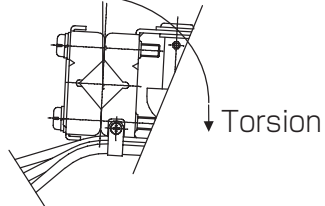
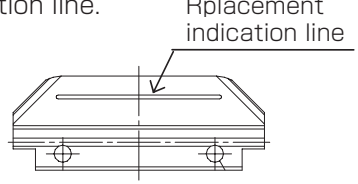
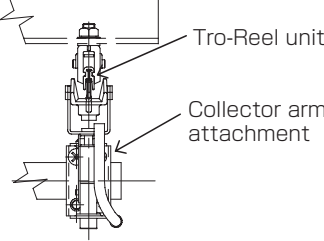
- Inspections item at the time of the pre-use test run(Checking at periodic inspection).
- For using safely, please inspect the system one month after starting regular operation.
- The inspection cycle is mentioned below. However, determine your own inspection cycle based on the actual operating rate and environmental condition.
- Items in bold: Inspection items requiring particular attention.

Result	○ : Normal	Measures	○ : Exchange required
	× : Abnormality		● : Finished with exchange
			△ : Adjustment required
			▲ : Finished with adjustment

A title	Check day	Y D M	The check person in charge
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Name	Contents of inspection	Remedy	※	Result	Measures	Inspection cycle (standard)					
To-Reel unit	Check to see if there is any foreign particles adhering on its sliding surface or if it is seriously contaminated?	Clean with a specific purpose cleaner or waste cloth.				Once every 3 to 6 months					
	Is there any ark generated protrusion on its sliding surface?	Remove any protrusion (convex) on the arc scratch using a file.									
	Is there damage and crack at the insulating sheath ?	When damage and crack occurred in the insulating sheath of the duct, please change the duct.	○								
	Is there sharpen at the insulating sheath ?	When thickness of the insulating sheath is equal to or less than 1.2mm, please change the duct.									
	Is the duct installed in parallel for a rail?	Please adjust the duct so that it is parallel at a rail.	○								
	Isn't the unit dislocated from the hanger?	Review for any dislocated position on the unit. Correct if any.	○								
	Are not there remarkable torsion and the curve of the duct?	Please revise turning remarkable torsion.	○								
	Amount of wear of the conductor is correct? Amount of wear of the conductor o : 0.5 mm or less	If it exceeds a threshold amount of wear, please replace the main conductor In case of wearing down to the replacement indication line at next inspection, please replace earlier than usual.	○								
Don't the insulated sheath and the resin part of collector spinning shaft touch?	Check the amount of wear of the collector and conductor of the duct,replace it if necessary.	○									
Fixed end insulator (without bolt)	Are not there the cracks and damaged on a resin part?	When damage and crack occurred in the fixed end insulator, please change it.	○								
	Do stop it i in an insulating tape?	Please install an insulating tape.	○								
Fixed end insulator (with bolt)	Are not there the cracks and damaged on a resin part?	When damage and crack occurred in the fixed end insulator, please change it.	○								
	Isn't there the slack of the lock bolt?	Retighten	○								
	Is not there the torsion?	Please revise torsion.	○								
	Is not there the exposure of the conductor?	Please install a repair cover for sheaths	○								
End tension insulator	Is the coil spring set definitely? Length of the coil spring L =115-125mm	Please adjust it to reasonable length When tighten the duct, Please tighten a nut of the tightening bolt with balancing in turn.	○								
		<table border="1"> <tr> <td>Ambient temperature</td> <td>L</td> </tr> <tr> <td>the case of less than 10℃</td> <td>115mm</td> </tr> <tr> <td>the case of 11℃~ 40℃</td> <td>125mm</td> </tr> </table>	Ambient temperature	L	the case of less than 10℃	115mm	the case of 11℃~ 40℃	125mm			
	Ambient temperature	L									
	the case of less than 10℃	115mm									
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	Does not a nut (a double nut) of the coil spring part have the slack?	Retighten	○								
	Does not a bolt for electric wire connection of the feeding-in terminal part have the slack?	Retighten	○								
	Are not there the cracks and damaged on a resin part?	When damage and crack occurred in it, please change it.	○								
Are not there a loser of the cover part, the falling off?	When loser and the falling off occurred, confirm the state of the cover, and please install the cover.	○									
Is not there the exposure of the conductor?	Please install a repair cover for sheaths	○									
Is not there the torsion?	Please revise torsion.	○									
Center fixed insulator	Are not there the cracks and damaged on a resin part?	When damage and crack occurred in it, please change it.	○								
	Are not there a loser of the cover part, the falling off?	Please install the cover.	○								
Joiner	Isn't there the conductor of the joint have a gap and the step?	Please revise a gap, the step.	○								
	Isn't there the slack of the connection bolt?	Retighten (tightening torque 6.9~7.9N·m)	○								
	Are not there the cracks and damaged on a resin part?	When damage and crack occurred in it, please change it.	○								
	Are not there a loser of the cover part, the falling off?	Please install the cover.	○								

Name	Contents of inspection	Remedy	※	Result	Measures	Inspection cycle (standard)							
Center feed-in joiner	Isn't there the slack of a bolt for electric wire connection of the feeding-in joiner ?	Retighten	○			Once every 3 to 6 months							
	Are not there the cracks and damaged on a resin part?	When damage and crack occurred in it, please change it.	○										
	Are not there a loser of the cover part, the falling off?	Please install the cover.	○										
Hanger	Is the hanger installation pace equal to or less than 4m?	Please install a hanger to become equal to or less than 4m.	○										
	As for the curve department and the hanger installation of both ends of the terminal tightening insulator, is the pace equal to or less than 500mm?	Please install a hanger to become equal to or less than 500mm.	○										
	Is not there the slack of the installation bolt?	Retighten	○										
	Are not there the cracks and damaged on a resin part?	When damage and crack occurred in it, Please change it.	○										
Intermediate tension insulator	Is the center fixed insulator attached so that the gap between the ducts may be set to 15mm ± 5mm?	Please adjust so that the gap between the ducts is set to 15mm ± 5mm.	○										
	Is the coil spring set definitely? Length of the coil spring L = 115-125mm	Please adjust it to reasonable length. <table border="1" data-bbox="760 966 1183 1063"> <tr> <td>Ambient temperature</td> <td>L</td> </tr> <tr> <td>the case of less than 10℃</td> <td>115mm</td> </tr> <tr> <td>the case of 11℃~ 40℃</td> <td>125mm</td> </tr> </table>	Ambient temperature	L	the case of less than 10℃		115mm	the case of 11℃~ 40℃	125mm	○			
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Does not a nut (a double nut) of the coil spring part have the slack?	Retighten	○											
Isn't there the slack of a bolt for electric wire connection of the feeding-in joiner ?	Retighten	○											
Are not there the cracks and damaged on a resin part?	When damage and crack occurred in it, Please change it.	○											
Are not there a loser of the cover part, the falling off?	Please install the cover.	○											
Insulating piece	Are not there the cracks and damaged on a resin part?	When damage and crack occurred in it, Please change it.	○										
	Are not there a loser of the cover part, the falling off?	Please install the cover.	○										
Guide cap	Are the installation dimensions clearance?	Please revise it to dimensions in the clearance <table border="1" data-bbox="740 1694 1203 1783"> <tr> <td></td> <td>A</td> <td>B</td> <td>C</td> </tr> <tr> <td>length</td> <td>10 ~ 30mm</td> <td>5mm lower</td> <td>7mm lower</td> </tr> </table>		A	B	C	length	10 ~ 30mm	5mm lower	7mm lower	○		
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Are not there a loser of the cover part, the falling off?	Please install the cover.	○											
Does not the resin part have the abrasion?	When I am worn, please change	○											
Are not there the cracks and damaged on a resin part?	When damage and crack occurred in it, Please change it.	○											

Name	Contents of inspection	Remedy	※	Result	Measures	Inspection cycle (standard)
Collector arm	<p>Is installation dimensions H of the collector arms</p>  <p>sliding surface</p> <p>H</p> <p>collector arm mount rod</p>	<p>Please correct so that the distance H is set to 95mm(Central value of the collector arm permitted movable range ± 20mm) between the conductor sliding surface and collector arm mount rod. Please measure H size, where the collector shoes is touched in the hanger.</p>	○			
	<p>Does not the collector arm mount rod have the remarkable torsion?</p>  <p>Torsion</p>	<p>When there is remarkable torsion, please revise the collector arm.</p>	○			
	<p>Does not the collector shoes have the outbreak such as Bali?</p>	<p>Please remove it with sandpaper.</p>	○			
	<p>Is there any serious wear to replacement indication line.</p>  <p>Rplacement indication line</p>	<p>Collector shoes should be replaced when they partially wear down to the replacement indication line. Please exchange the collector shoes ahead of time when it will be worn out to the replacement indication line by the time of the next check.</p>	○			
	<p>The center of the both sides of the collector arm attachment and Tro-Reel unit arranges.</p>  <p>Tro-Reel unit</p> <p>Collector arm attachment</p>	<p>Please revise it so that the center matches.</p>	○			
	<p>Is there any ark generated protrusion ?</p>	<p>Remove the protrusion (convex) on the arc scratch using a file.</p>	○			
	<p>Is there any mounting nut loosen?</p>	<p>Retighten</p>	○			
	<p>Is there any curve or variation on the arm?</p>	<p>Replace the arm if there is curve or variation.</p>	○			
	<p>Is there any chip or broken?</p>	<p>Replace if chip or broken spring pin is found.</p>	○			
	<p>Is there any wear or hole loosen on spring bearing metal? Is there any damage on the sheath of lead wire? Is the collector shoes pulled by the lead wire?</p>	<p>Replace the collector shoes if there is wear to replacement indication line. If there is damage, replace the collector shoes. If the collector shoes pulled, correct to have extra length on lead wire.</p>	○ ○ ○			
Collector arm support parts for transverse	<p>Are there modification of a spring (6.2mm or more clearance between the spring) or rust on the spring? Are there abnormal wear? Is there a loose the screws?</p>	<p>Deformation of the spring, if there is rust, replace If there is abnormal wear of the arm, replace the collector arm. Tighten screws more.</p>	○ ○ ○			

Once every 1 to 3 months