



Service Instruction  
SER 12-003

**Remote for SC1000  
(Revision B- with  
alternate Cord)**

**Application table**

<b>Application:</b>	Mounting Modified Remote Adapter Permanently
<b>Reason:</b>	Reduce Bending Moment to Cable Connector
<b>Frequency</b>	<b>One Time</b>
<b>Priority:</b>	<b>Optional</b>

**Background:** Weight of cable creating a bending moment on connector causing internal damage to wires.

**Solution:** Move location of Remote Adapter Connection on hoist.

**Caution:** The decision to install remote controls to any particular hoist should be cautiously considered. There are situations when the installation of a remote control is not only, not the best choice, but can also be dangerous. If you doubt the safety of using a remote control for a particular application, do not attempt it without consultation.

**Procedures:**

<p><b><u>Tools:</u></b></p> <p>4 mm T-Handle Allen Wrench 21MM or 7/8" Hole Saw / Drill Bit or Knock Out Tape Measure Diagonal Cutters Small Flat Tip Screwdriver Wire Stripers</p>	<p><b><u>Shop Supplies:</u></b></p> <p>Small Ty-Wraps Silicone</p>
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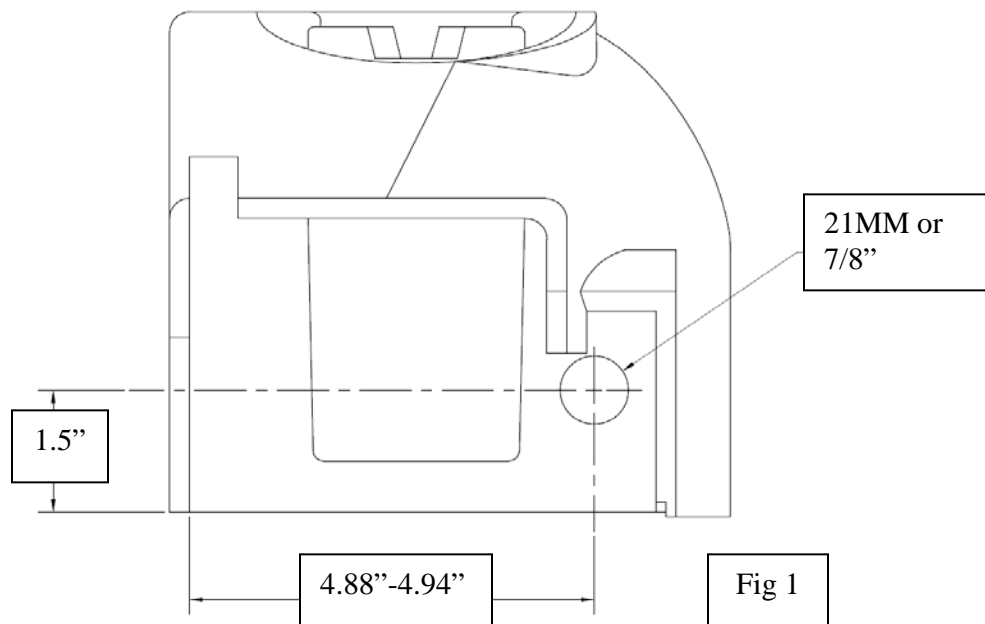
<b><u>Parts Required:</u></b>		
p/n 5876	1	Cable Gland
p/n 5877	1	Nut for Cable Gland
p/n 12.130	1	Plug, Blind Stop
p/n 701602-1	1	Remote Adapter
<b>OR</b>		
<b><i>Parts that can be used instead of p/n 701602-1</i></b>		
<b>p/n A-11948 Connector; Watertite; NEMA L5-15</b>		
<b>p/n 5837 Electric Cable; 14/4 SO (sold in inches; use 24 inches)</b>		



## Details

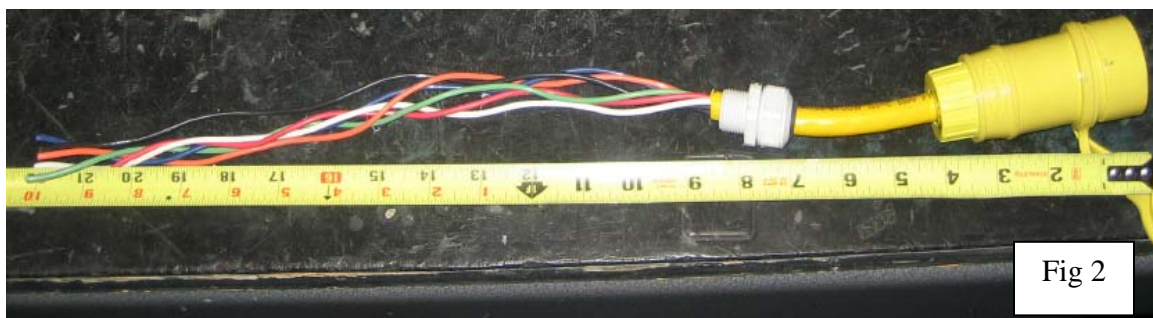
Step 1: Using a 4mm Allen Wrench loosen 4 bolts and remove switch electrical box cover from unit.

Step 2: Measure the new hole location on the bottom of cover. Per drawing 5274 drawing calls out for 21mm but you can use a 7/8 hole saw equal to 22mm or a punch out. See Fig 1.



Step 3: Drill hole in cover.

Step 4: Using Diagonal cutters remote adapter to 22" measuring from the female plug. See Fig 2.





Step 5: Carefully strip back yellow jacket exposing wires approximately 13".  
See Fig 2, Page 2.

Step 6: Insert cable from remote into Cable Gland and secure with Cable Gland Nut.  
See Fig. 2.



Step 7: Using diagonal cutters cut the extra wires off of cable leaving only the White, Black and Orange wires. See Fig 4.



Step 8: Using Small Flat Tip Screwdriver remove the existing white wire from the Up Contact Block # 4 and insert the new white wire from new adapter. See Fig.4.

Step 9: Using Small Flat Tip Screwdriver remove the existing black wire from the Down Contact Block # 4 and insert the new black wire from new adapter. See Fig 4.

Step 10: Using Small Flat Tip Screwdriver remove the existing orange wire from the Up Contact Block # 3 and insert the new orange wire from new adapter.  
See Fig. 4.

Step 11: Ty-wrap all the wires as in photos to tidy up and prevent pinching of wires. See



Fig. 4, Page 3.

Step 12: Remove existing remote receptacle, apply small amount of silicone onto Part # 12.130 Plug and insert Plug into cover. See Fig. 5.



Step 13: Remove the chain and cap from the front of the cover leaving the rivet in place to keep unit water tight. See Fig. 5.

Step 14: Verify all wires are tight and secure prior to reinstalling the electrical box cover onto the unit. See Fig. 4 Page 3.

Step 15: Using 4 mm Allen reinstall switch electrical box cover making sure not to pinch any wires.

Step 16: Plug the unit in and test remote control functions using a spider remote connected to new adapter. See Fig. 6.



**Any Questions - Call Spider at 1-206-394-5319**