



# **ShurLink for Hydroclear & Wraptor - Extension Cable & Troubleshooting**

## ShurLink Cable Length

### Rigid Body

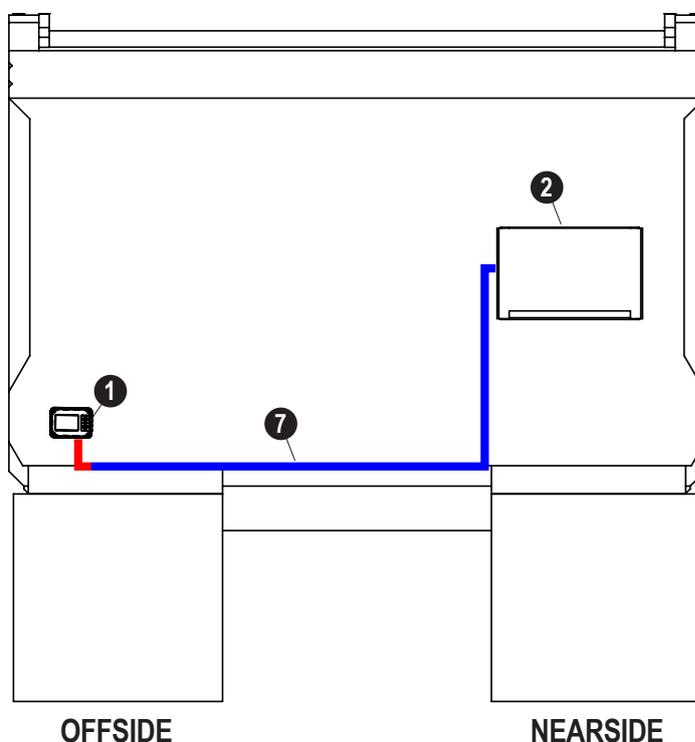
Item	Part number	Description	Length	Image
3	1133118	5 COND M X F_16GA_2FT	24IN	
4	1133119	5 COND M X F_16GA_2FT11	35IN	
5	1133120	5 COND M X F_16GA_4FT2	50IN	
6	1133121	5 COND M X F_16GA_5FT10	70IN	
7	1133122	5 COND M X F_16GA_7FT2	86IN	

### ■ Recommended Cable Length

**NOTE:** Ensure that the **ShurLink Control Box (1)** is mounted at a suitable height from the ground and is easily usable by the operator.

**NOTE:** Ensure that the **ShurLink Cable (7)** is routed clear of any obstructions, such as the tipping cylinder.

Item	Part #	Description
1.	1133249	ShurLink Control Box
2.	1810825	Power Pack Box
7.	1133122	86IN Cable Extension



## ShurLink Cable Length

### Walking Floor

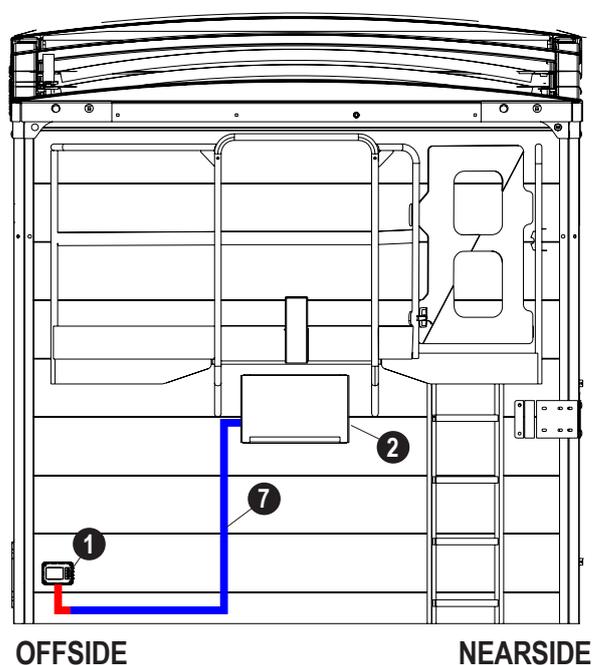
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**NOTE:** Ensure that the **ShurLink Control Box (1)** is mounted at a suitable height from the ground and is easily usable by the operator.

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Item	Part #	Description
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2.	1810825	Power Pack Box
7.	1133122	86IN Cable Extension



## ShurLink Cable Length

### Tipper Trailer

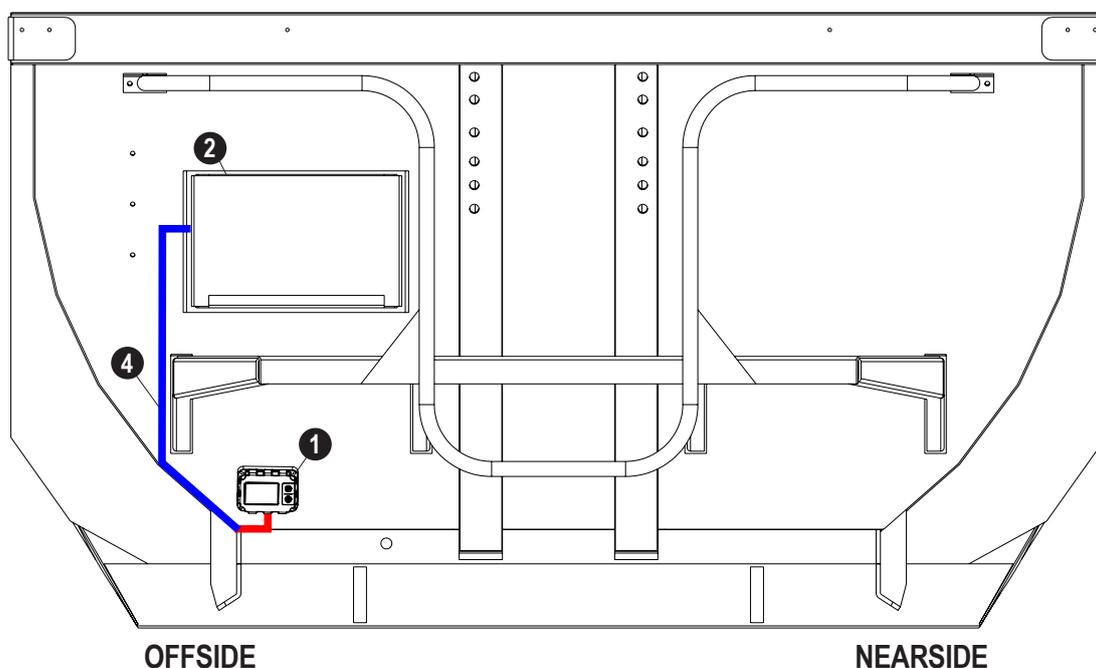
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5	1133120	5 COND M X F_16GA_4FT2	50IN	
6	1133121	5 COND M X F_16GA_5FT10	70IN	
7	1133122	5 COND M X F_16GA_7FT2	86IN	

### ■ Recommended Cable Length

**NOTE:** Ensure that the **ShurLink Control Box (1)** is mounted at a suitable height from the ground and is easily usable by the operator.

Item	Part #	Description
1.	1133249	ShurLink Control Box
2.	1810825	Power Pack Box
4.	1133119	35IN Cable Extension

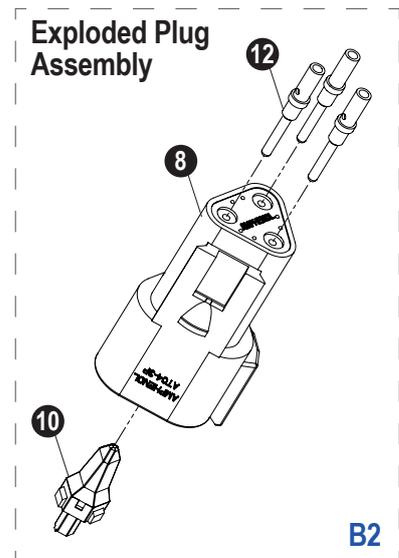
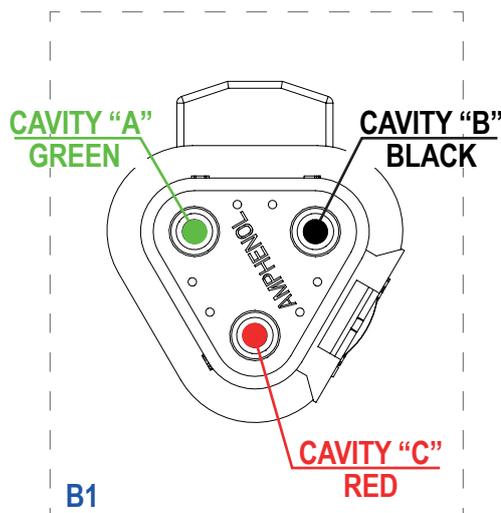
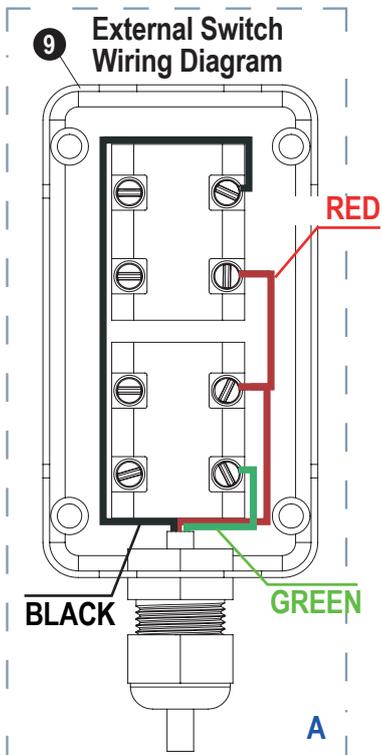
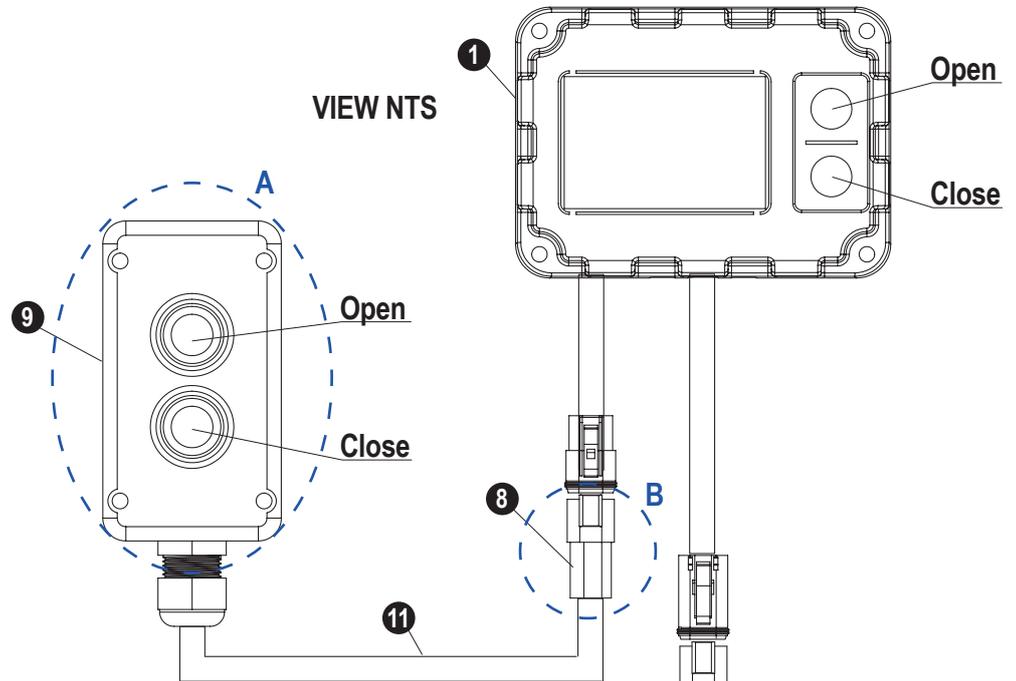
**NOTE:** Ensure that the **ShurLink Cable (4)** is routed clear of any obstructions, such as the tipping cylinder.



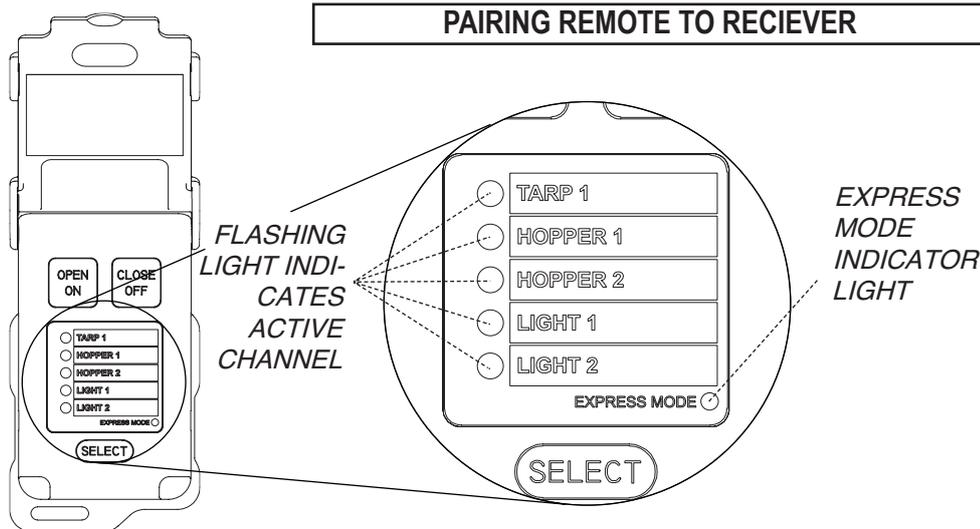
SHURCO™ HELPLINE: +44 (0)1945 461 741

ShurLink Wiring

Item	Part #	Description
1.	1133249	ShurLink Control Box
2.	1810825	Power Pack Box
3.	1133122	24IN Cable Extension
4.	1133119	35IN Cable Extension
5.	1133120	50IN Cable Extension
6.	1133121	70IN Cable Extension
7.	1133122	86IN Cable Extension
8.	1812341	3-Way Connector
9.	1805543	External Switch
10.	1812342	3-Pin Wedge
11.	1811421	3 Core Cable
12.	1707879	Crimp Pin



## Handheld Remote Settings



**STEP 1:** Make sure the ShurLink control box is connected to the power source.



### INFORMATION



ALL LIGHTS FLASHING ON THE HANDHELD REMOTE INDICATE LOW BATTERY LEVEL. CHANGE BATTERIES BEFORE PAIRING THE REMOTE TO CONTROL BOX.

**STEP 2:** Press and hold both OPEN and CLOSE buttons located on the ShurLink control box simultaneously until you hear an audible beep from the control box (approximately 3-5 seconds). After you hear the beep, the control box will be in pairing mode for 30 seconds searching for the handheld remote.

**STEP 3:** While being near the ShurLink control box. Open the lid on handheld remote and press and hold both OPEN and CLOSE buttons simultaneously until light on the selected channel stops flashing and is constantly lit. This will mean the handheld remote is in pairing mode.

**NOTE:** Before putting the remote into pairing mode you can use the SELECT button to choose which channel you want to pair the control box to.

**STEP 4:** Successful pairing will be confirmed by an audible double beep from the control box.

### TOGGLE EXPRESS MODE

**STEP 1:** Hold SELECT on the handheld remote until a solid light is displayed on one of the channels.

**STEP 2:** Cycle to the desired channel using the OPEN ON button.

**STEP 3:** Press the SELECT button to toggle EXPRESS MODE (the indicator will light up while express mode is on).

### DISABLE CHANNELS

**STEP 1:** Hold SELECT on the handheld remote until a solid light is displayed on one of the channels.

**STEP 2:** Cycle to the desired channel using the OPEN ON button.

**STEP 3:** Press the CLOSE OFF button to disable (the active channel indicators will light up for active channels only once all channels have been cycled through).

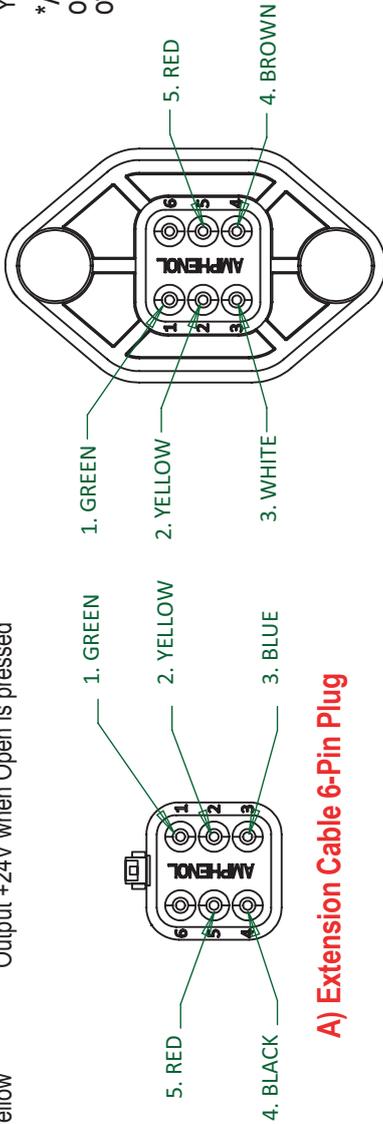
**SHURCO™ HELPLINE: +44 (0)1945 461 741**

**COLOUR** Description

- Red Positive input for the ShurLink (+24VDC)
- Black Negative input for the ShurLink
- Blue Output +24V when Open or Close are pressed to energize the power pack starter solenoid
- Green Output +24V when Close is pressed
- Yellow Output +24V when Open is pressed

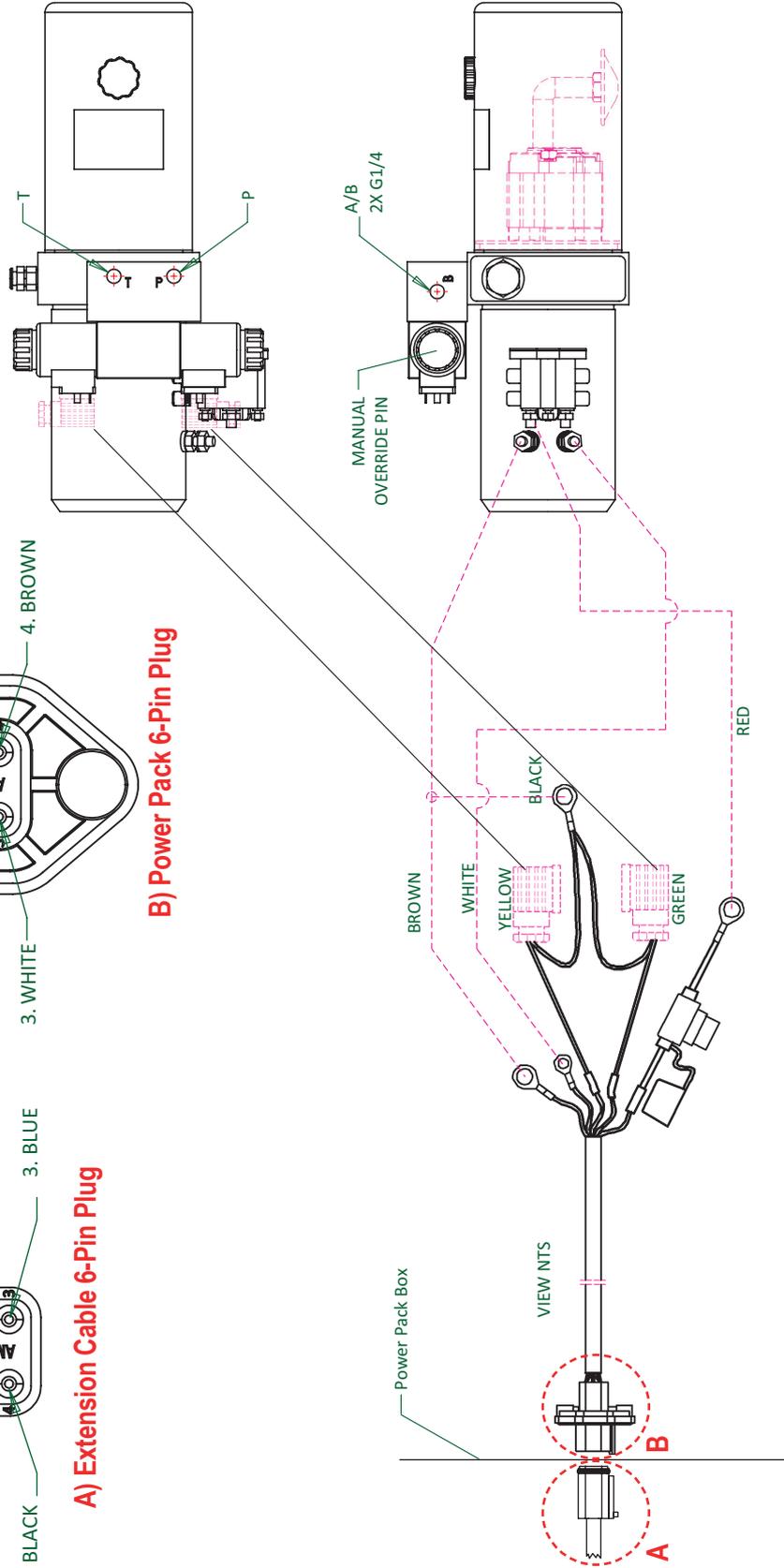
- | Colour | Open Pressed | Closed Pressed |
|--------|--------------|----------------|
| Blue   | +24VDC       | +24VDC         |
| Green  | +0VDC        | +24VDC         |
| Yellow | +24VDC       | +0VDC          |

\*Allow for +/-15% variation of voltage value based on the specific characteristics of each installation of sheeting system.



**A) Extension Cable 6-Pin Plug**

**B) Power Pack 6-Pin Plug**



## Troubleshooting

PROBLEM:	TRY THIS:
EZR™ remote is not working. No LED lights on remote are on.	<ol style="list-style-type: none"> <li>1. Close lid and open it again.</li> <li>2. Make sure batteries are placed correctly.</li> <li>3. Replace both AAA batteries in remote.</li> <li>4. Remote may be damaged. Contact Shurco helpline.</li> </ol>
EZR™ remote is not working. I can operate system with buttons on vehicle mounted receiver box, but not with remote. Remote channel light (next to Tarp System, for example) is blinking, and when I press Open/On button, light blinks faster.	<ol style="list-style-type: none"> <li>1. Make sure remote is set to right channel. Press the Select button to select desired channel.</li> <li>2. Pair the remote to receiver and try again. See Pairing Remote to Receiver section for more details.</li> <li>3. If the remote does not want to pair to receiver. Try pairing different remote to the same receiver. If the second remote paired successfully that would mean the first remote is damaged.</li> <li>4. If the second remote does not pair to receiver that would suggest damaged wireless receiver unit. Contact Shurco helpline for more assistance.</li> </ol>
System will only operate in one direction with remote or with the buttons on the vehicle mounted receiver	<ol style="list-style-type: none"> <li>1. Check all cable connections between the ShurLink module and the Power Pack, including those inside the Power Pack enclosure.</li> <li>2. If the system is fitted with emergency manual override hand pump, make sure the manual override caps on CETOP valve are disengaged. [SEE FIG. 19]</li> <li>3. If the sheeting system is only operating in one direction check the voltage on the 6-pin plug using multimeter. Please see the Table of Voltage for the values on wires.</li> <li>4. If the output voltage is missing, that would suggest damage to circuit board in ShurLink module. Contact Shurco helpline.</li> <li>5. If the output voltage is matching with the table of voltage. Check the Power Pack CETOP valve solenoid coils. [SEE FIG. 19] You can swap the two coils and check the system. If the problem transferred and system now operated in opposite direction the issue is the CETOP valve or the solenoid coils. Contact Shurco helpline.</li> <li>6. If the problem persists, disconnect the solenoid coils and use the manual override push pin to manually engage the hydraulic spool. [SEE FIG. 20] When the pin is pressed in, the system will operate in Open or Close direction depending on which one was pressed.</li> <li>7. If the system only works in one direction, CETOP valve spool is blocked and cannot move freely inside the valve block. Replace the CETOP valve, when replacing the valve block change the oil to remove any debris from the system.</li> <li>8. If the system works in both directions, reassemble the solenoid coils and test again with handheld remote. Successful operation using the remote may suggest that debris inside the block was removed with the oil and free up the spool. Change the oil and check the filter inside the oil reservoir to see if any debris could be seen.</li> </ol>

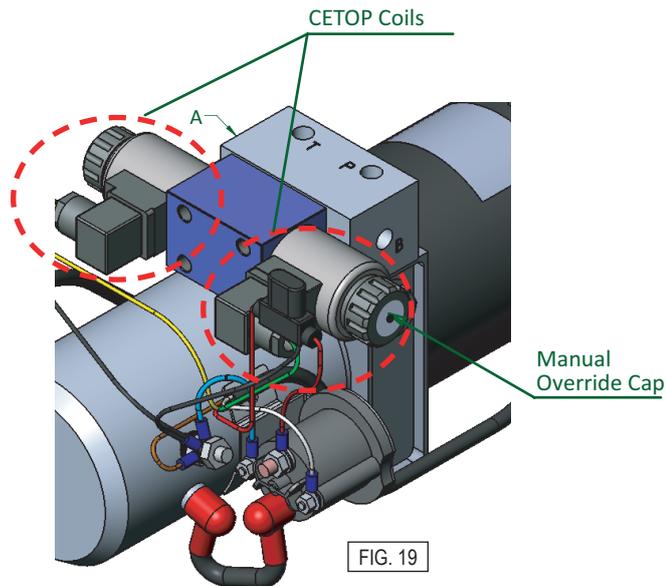


FIG. 19



FIG. 20

PROBLEM:	TRY THIS:
<p>System will not operate with remote or with the buttons on the vehicle mounted receiver – you can hear the power pack unit operate.</p>	<ol style="list-style-type: none"> <li>1. Check if the straps on the spool motor are not tangled and there is no obstruction to the sheeting system to operate.</li> <li>2. Check all cable connections between the ShurLink module and the Power Pack, including those inside the Power Pack enclosure.</li> <li>3. If the system is fitted with emergency manual override hand pump, make sure both manual override caps on CETOP valve are disengaged. [SEE FIG. 21]</li> <li>4. Check the voltage on the 6-pin plug using multimeter. Please see the Table of Voltage for the values on wires.</li> <li>5. Check the voltage on the 6-pin plug using multimeter. Please see the Table of Voltage for the values on wires.</li> <li>6. If the output voltage is missing, that would suggest damage to circuit board in ShurLink module. Contact Shurco helpline.</li> <li>7. If the output voltage is correct. Check the CETOP valve block, you can press and hold the manual override push pins and test the system. If the system operates in both directions, replace the solenoid coils. [SEE FIG. 21]</li> <li>8. If the system is not operating, check if the hydraulic motors are receiving the correct pressure (up to 180BAR) by fitting pressure gauge to the motors. If you cannot observe any pressure on any of the motors, replace the power pack unit.</li> <li>9. If the hydraulic motors receive correct pressure, change the CETOP valve block on Power Pack.</li> </ol>

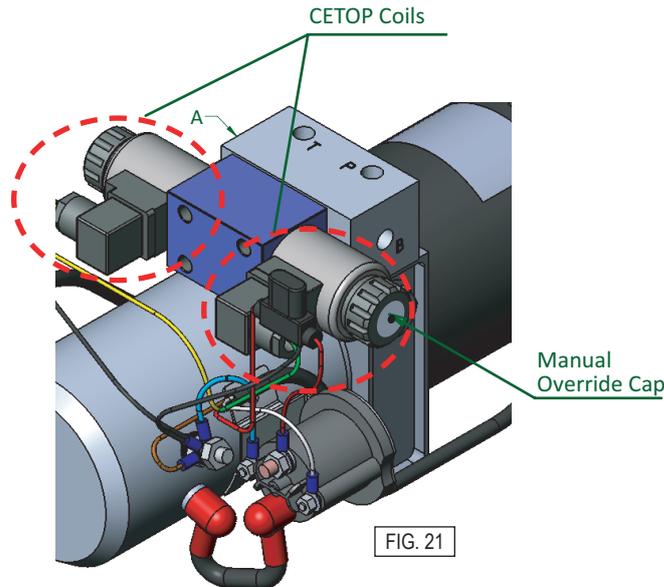


FIG. 21

PROBLEM:	TRY THIS:
<p>System will not operate with remote or with the buttons on the vehicle mounted receiver – no noise coming from the power pack unit.</p>	<ol style="list-style-type: none"> <li>1. Check the main fuse – typically fitted in the battery compartment. If the system is on trailer check the suzi lead and fuse fitted to tractor unit. Open the Power Pack enclosure and check the inline fuse fitted to Power Pack wiring loom. If any of the fuses is blown, replace them and try again.</li> <li>2. If the fuses are in good order, check using voltage meter that the power pack is receiving 24 VDC from the battery and the polarity of voltage is correct.</li> <li>3. If there is no voltage at the power pack, check the continuity of the power cable on the vehicle for any damage. If any damage is found repair, it or replace the cable.</li> <li>4. Check the voltage on the 6-pin plug using multimeter. Please see the Table of Voltage for the values on wires.</li> <li>5. If the output voltage is missing, that would suggest damage to circuit board in ShurLink module. Contact Shurco helpline. Before fitting new unit check the power pack to find the route cause of damage to ShurLink module.</li> <li>6. To test the Power Pack unit apply direct voltage using a probe to Power Pack starter solenoid and check if electric motor energizes. If the electric motor is not operating, you will have to replace the power pack or power pack starter solenoid. [SEE FIG. 22 &amp; 23]</li> </ol>

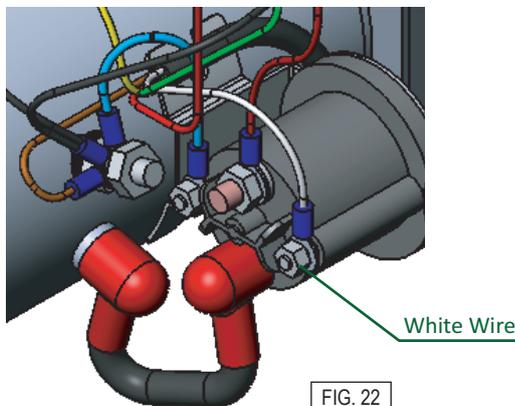


FIG. 22

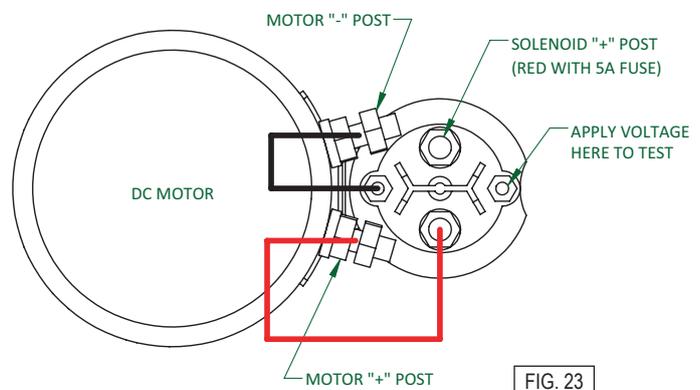


FIG. 23

## Troubleshooting (Continued)

PROBLEM:	TRY THIS:
System will not operate with button on receiver but it's fully working using handheld remote.	<ol style="list-style-type: none"><li data-bbox="550 275 1497 376">1. Check if the ShurLink module has the Button Lock setting enabled. Button Lock is preventing unintentional operation of the sheeting system with the buttons on receiver.</li><li data-bbox="550 376 1497 544">2. To unlock the Button Lock press and hold both Open and Close buttons on receiver for 3 seconds until you hear single beep. The audible sound signalise the Button Lock is disabled and the system can be operated with buttons on the receiver. If the system has Button Lock setting enabled it will auto lock after 15 minutes of inactivity.</li><li data-bbox="550 544 1497 638">3. If the system is still not operating and you cannot hear the beep from receiver, check if the rubber cover for buttons is not damaged preventing you from pressing the switch. Contact Shurco help line.</li></ol>



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