

# PURKEYS

A MISSION CRITICAL ELECTRONICS BRAND

## ONECONNECT WITH INTERIOR LIGHT CONTROL

### DIAGNOSTIC GUIDE





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## TROUBLESHOOTING: 7-WAY WITH INTERIOR LIGHTS

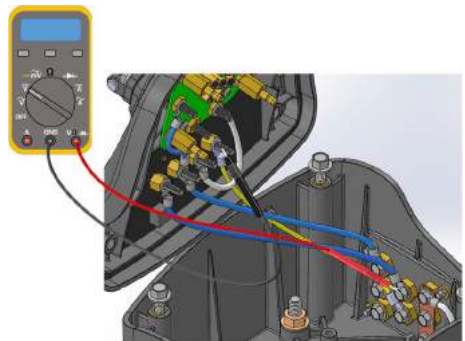


### INTERIOR LIGHTS DO NOT COME ON

Step 1: Inspect the wiring and confirm that all connections are tight.

Step 2: Check for a voltage greater than 10 volts to the lights, as shown.

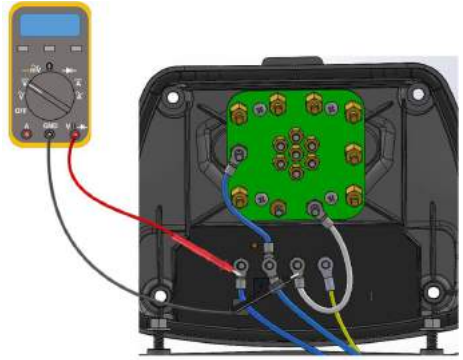
- If yes, inspect the wiring between the nosebox and the lights for defects.
- If no, continue to the next step.



# ONECONNECT DIAGNOSTIC GUIDE

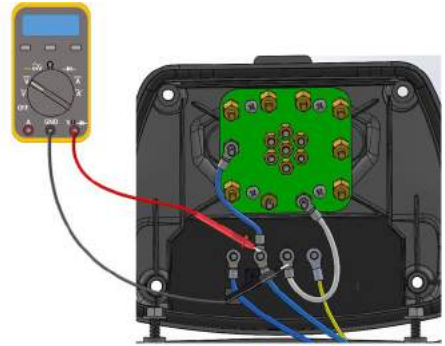
Step 3: Check for a voltage greater than 10 volts.

- If yes, inspect the wiring in the nosebox for defects.
- If no, continue to the next step.



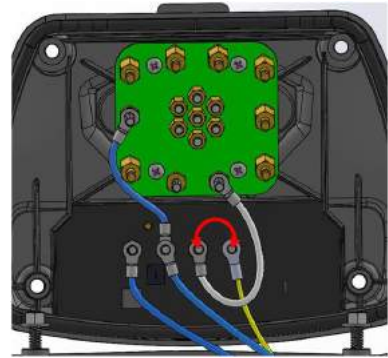
Step 4: Check for a voltage greater than 10 volts.

- If yes, replace the cover assembly.
- If no, inspect the wire between the stud and the 7-way for defects. If no defects are noted, inspect the 7-way cable between the tractor and the nosebox for defects.
- If all voltages are good, continue to the next step.



Step 5: Place the jumper between the posts.

- If the lights come on, check the wiring between the nosebox and the external switch (if installed) for defects.
  - To check the operation of the external switch, proceed to the next step.
- If the lights do not come on, replace the cover assembly.



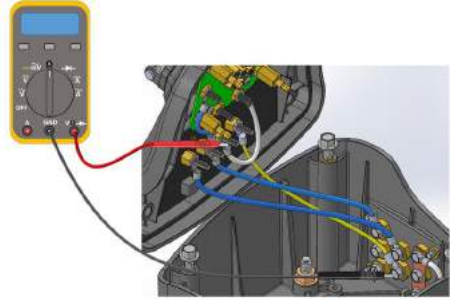
## EXTERIOR SWITCH OF INTERIOR LIGHT OPERATIONAL CHECK

Step 6: Position meter to measure the resistance reading.

- Press for continuity, if meter has this feature.
- Place leads as shown.

Press interior light switch - readings should be 0 or very low resistance.

- No - Inspect wiring between the nosebox and the switch for defects, inspect switch for defects and operation.



## TROUBLESHOOTING: 7-WAY/DUAL POLE WITH INTERIOR LIGHTS

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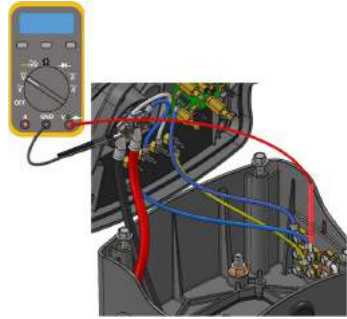
# ONECONNECT DIAGNOSTIC GUIDE

## INTERIOR LIGHTS DO NOT COME ON

Step 1: Inspect the wiring and confirm that all connections are tight.

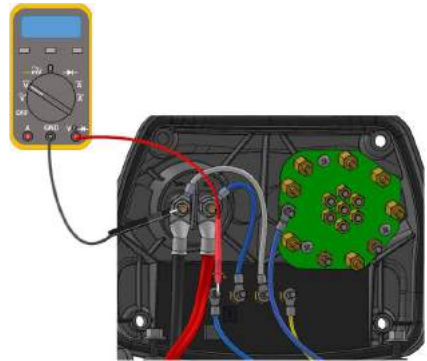
Step 2: Check for a voltage greater than 10 volts to the lights, as shown.

- If yes, inspect the wiring between the nosebox and the lights for defects.
- If no, continue to the next step.



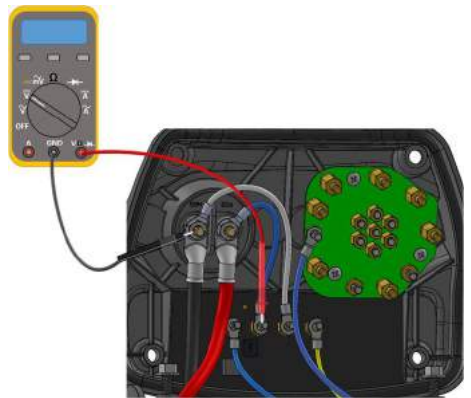
Step 3: Check for a voltage greater than 10 volts.

- If yes, inspect the wiring in the nosebox for defects.
- If no, continue to the next step.



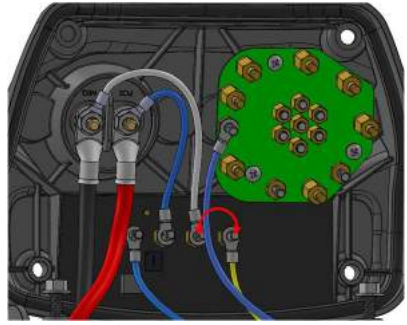
Step 4: Check for voltage greater than 10 volts.

- If yes, replace the cover assembly.
- If no, inspect the wire between the stud and the dual pole for defects. If no defects are noted, inspect dual pole cable between the tractor and the nosebox for defects.
- If all voltages are good:
  - If exterior switch is used skip to step 6.
  - If no exterior switch is used proceed to step 5.



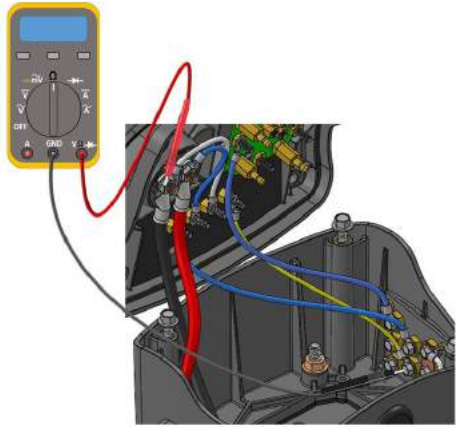
Step 5: Place the jumper between the posts.

- If the lights come on and there is no external switch, replace the cover assembly.
- If there is an exterior switch, proceed to the next step.



Step 6: Position the meter to read resistance.

- Press for continuity, if the meter has this feature.
- Place leads as shown.
- Press the interior light switch.
- Voltage should read 0 or a very low resistance.
- If no, inspect the wiring between the nosebox and the switch for defects.





# ONECONNECT DIAGNOSTIC GUIDE

## TROUBLESHOOTING: DUAL POLE WITH INTERIOR LIGHTS



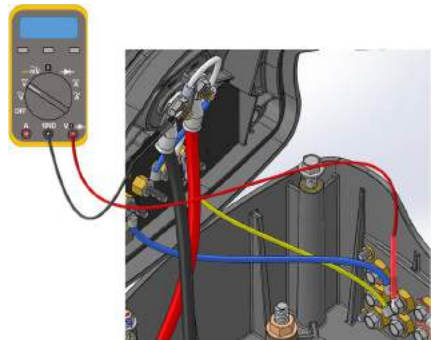
### INTERIOR LIGHTS DO NOT COME ON

Step 1: Inspect the wiring and confirm that all connections are tight.

Step 2: Turn the interior lights on by pressing the switch on the nosebox, then continue to the following steps.

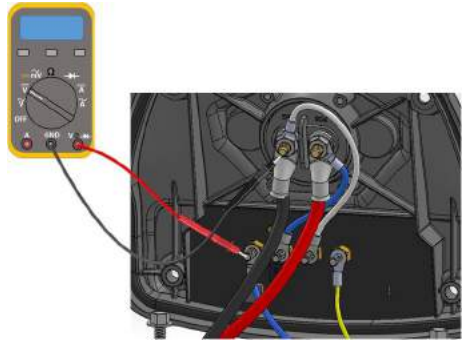
Step 3: Check for a voltage greater than 10 volts to the lights, as shown.

- If yes, inspect the wiring between the nosebox and the lights for defects.
- If no, continue to the next step.



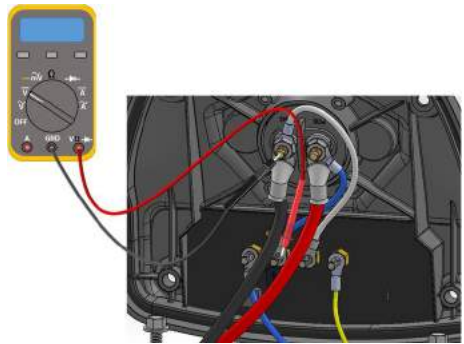
Step 4: Check for a voltage greater than 10 volts.

- If yes, inspect the wiring in the nosebox for defects.
- If no, continue to the next step.



Step 5: Check for voltage greater than 10 volts.

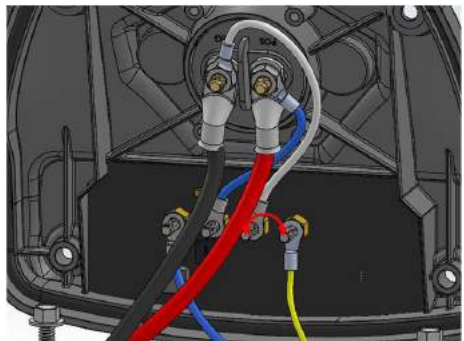
- If yes, replace the cover assembly.
- If no, inspect the wire between the stud and the dual pole positive for defects. If no defects are noted, inspect the dual pole socket, the cable between the dual pole and the tractor, and the nosebox for defects.
- If all voltages are good, continue to the next step.



Step 6: Place the jumper between the posts.

If the lights come on:

- Check the wiring between the nosebox and the external switch (if installed) for defects.
- To check operation of the external switch, proceed to the next section.
- If the lights do not come on, replace the cover assembly.

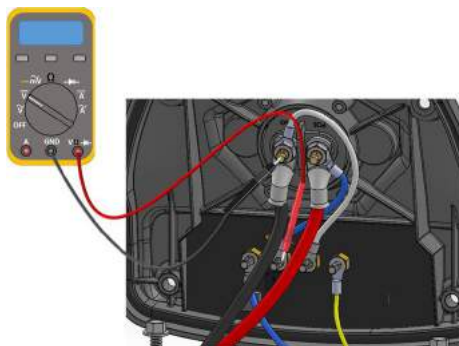


# ONECONNECT DIAGNOSTIC GUIDE

## EXTERIOR SWITCH OF INTERIOR LIGHT OPERATIONAL CHECK

Step 1: Position the meter to read resistance.

- Press for continuity, if the meter has this feature.
- Place leads as shown.
- Press the interior light switch.
- Voltage should read 0 or a very low resistance.
- If no, inspect the wiring between the nosebox and the switch for defects.



## TROUBLESHOOTING: DUAL/SINGLE POLE WITH INTERIOR LIGHTS



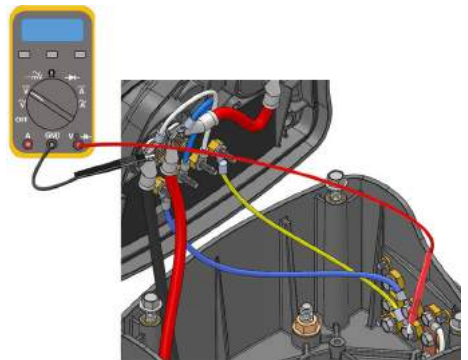
### INTERIOR LIGHTS DO NOT COME ON

Step 1: Inspect the wiring and confirm that all connections are tight.

Step 2: Turn the interior lights on by pressing the switch on the nosebox, then continue to the following steps.

Step 3: Check for a voltage greater than 10 volts to the lights, as shown.

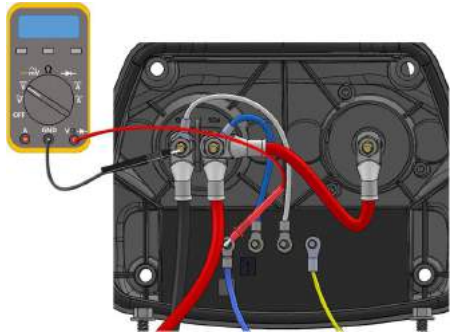
- If yes, inspect the wiring between the nosebox and the lights for defects.
- If no, continue to the next step.



# ONECONNECT DIAGNOSTIC GUIDE

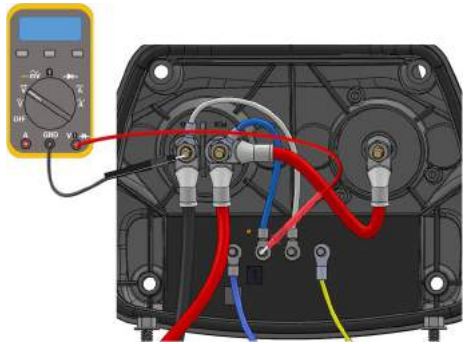
Step 4: Check for a voltage greater than 10 volts.

- If yes, inspect the wiring in the nosebox for defects.
- If no, continue to the next step.



Step 5: Check for voltage greater than 10 volts.

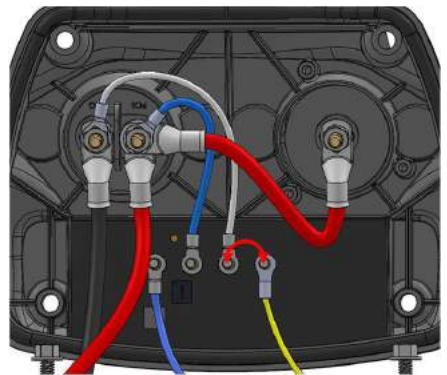
- If yes, replace the cover assembly.
- If no, inspect the wire between the stud and the dual pole positive for defects. If no defects are noted, inspect the dual pole socket, the cable between the dual pole and the tractor, and the nosebox for defects.
- If all voltages are good, continue to the next step.



Step 6: Place the jumper between the posts.

If the lights come on:

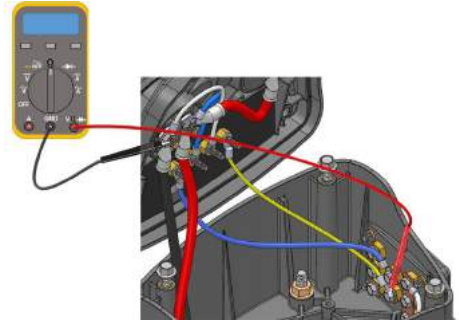
- Check the wiring between the nosebox and the external switch (if installed) for defects.
- To check operation of the external switch, proceed to the next section.
- If the lights do not come on, replace the cover assembly.



## EXTERIOR SWITCH OF INTERIOR LIGHT OPERATIONAL CHECK

Step 1: Position the meter to read resistance.

- Press for continuity, if the meter has this feature.
- Place leads as shown.
- Press the interior light switch.
- Voltage should read 0 or a very low resistance.
- If no, inspect the wiring between the nosebox and the switch for defects.



# ONECONNECT DIAGNOSTIC GUIDE

## LIMITED COMMERCIAL WARRANTY POLICY

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MCE Purkeys FE, LLC (hereafter “Purkeys”), warrants each product to be free of defects in material or workmanship under normal use and service. This warranty is for the benefit of Original Equipment Manufacturers, Dealers, Warehouse Distributors, Fleets, or other End Users (hereafter “Customers”) and covers products manufactured by Purkeys and sold new to Customers either directly by Purkeys or by its authorized dealers, distributors, or agents. The length of the Warranty Period is 36 months.

The warranty period commences on the in-service or install date and is not transferable. Failure to provide the in-service or install date on the warranty claim form will cause the warranty period to begin on the date the part was manufactured, or date of sale recorded on the original sales invoice, whichever is earlier.

A completed warranty claim form should accompany all parts submitted to Purkeys for consideration for repair or replacement under warranty. The submitted claim form should contain all of the information required. Lack of a properly or fully completed claim form will result in delay or denial of warranty claim. Claims must be submitted no later than 30 days after part is removed.

This warranty does not apply if, in sole judgement of Purkeys, the product has been damaged or subjected to accident, faulty repair, improper adjustment, improper installation or wiring, neglect, misuse, or alteration or if the product failure is caused by defects in peripheral vehicle components or components attached to the Product or failure of a part not manufactured by Purkeys.

This warranty shall not apply if any Purkeys product is used for a purpose for which it is not designed or is in any way altered without the specific prior written consent of Purkeys. ANY product alleged by a Customer to be defective must be inspected by Purkeys as a part of the warranty claims process in order to confirm that the part has failed as a result of a defect in material or workmanship.

Transportation for products and parts submitted to Purkeys for warranty consideration must be prepaid by Customer. Repaired or replaced products and or components will be returned to Customer pre-paid by Customer or “freight collect” to the address provided by Customer in the warranty claim form. No charge will be made for labor or material in effecting such repairs.

The Warranty provided by Purkeys hereunder is specifically limited to repair or replacement of the Product as Purkeys deems most appropriate in its sole discretion. Purkeys neither assumes nor authorizes any other person to assume on its behalf any other warranty or liabilities in connection with Purkeys products. The Warranty does not apply to fuses or other “consumable” or maintenance items which are or may be a part of any Purkeys product.

**THIS WARRANTY DOES NOT APPLY TO LOSS OF VEHICLE OR EQUIPMENT, LOSS OF TIME, INCONVENIENCE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. PURKEYS SPECIFICALLY DISCLAIMS AND SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES arising out of or from the use of Purkeys products by the Customer.**

**THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, INCLUDING COMMON LAW WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, AND ANY OTHER EXPRESS OR IMPLIED WARRANTIES. ALL OTHER SUCH WARRANTIES ARE SPECIFICALLY DISCLAIMED.**

This Limited Commercial Warranty supersedes all previous Warranty Policies issued by Purkeys and any of its suppliers.



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