




PURKEYS

**Purkeys'
New Liftgate
Charging System:
the DIRECT**

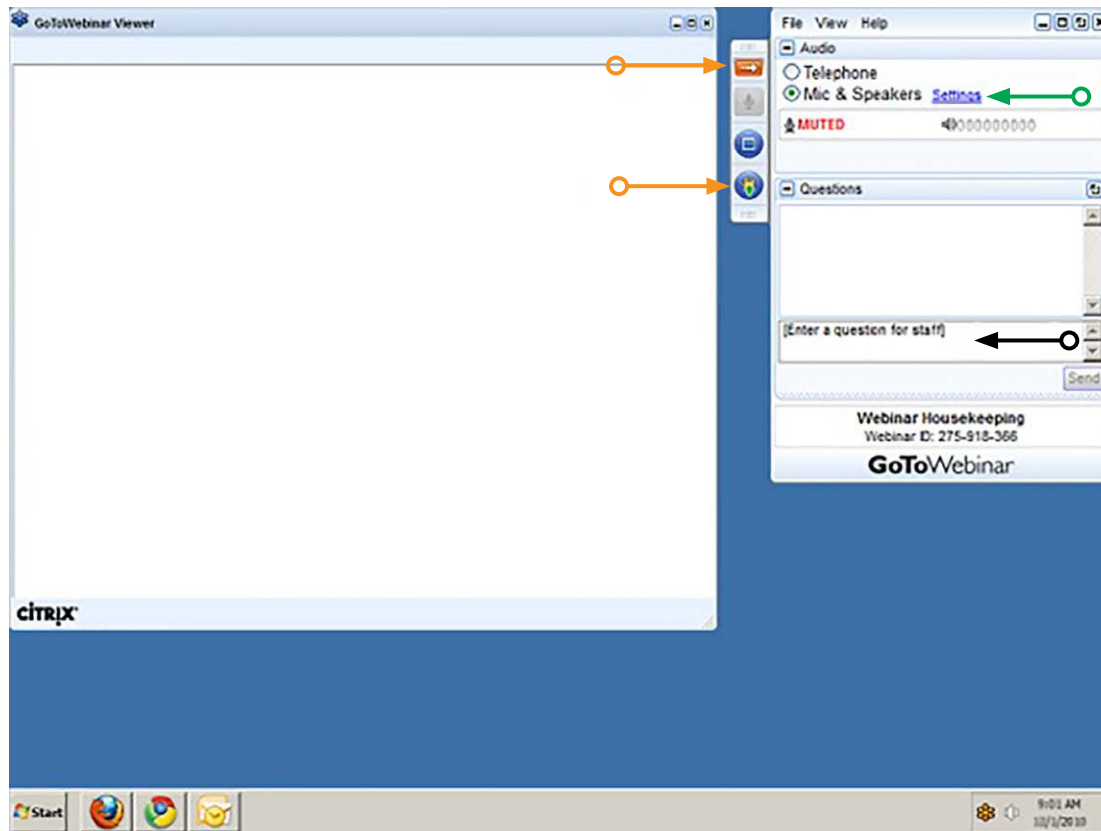
PURKEYS
DIRECT 
LIFTGATE CHARGING SYSTEM

WATT Keeps You Trucking

Thur., Jan. 15 2014

House Cleaning

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This Webinar is being Recorded
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About the Presenter



Charley Gipe | Sales & Service Engineer, N.E. Region

Charley graduated from the University of South Dakota/Springfield in 1984 with an Associates degree in Automotive Technology and a Bachelors Degree in Automotive Science and Technology. He has spent 30 years in the automotive and heavy-duty truck industry working as a technician, trainer, warranty engineer, technical writer and service engineer. He has a wealth of electrical experience and knowledge and uses it for solving the modern day electrical problems fleets face on a daily basis. Charley is an ASE automotive master technician.

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Issues Fleets Face When Dealing with Liftgates



4 Major Issues Fleets Face:

1. They are usually far away from the power source, resulting in voltage drop through the cables so it can't apply enough voltage to properly charge
2. The vehicles aren't in operation long enough to allow the batteries to completely charge
3. Very poor diagnostics procedures to detect defective charging systems
4. Wrong types of batteries used for Liftgates

History of Purkeys' Liftgate Charging Systems

In October, Purkeys consolidated all of their TC products into two Liftgate charging systems. By reducing the number of systems available, Purkeys has made it easier for fleets to find a solution to their Liftgate battery needs.



About the DIRECT

The DIRECT system is a single source Liftgate charging system that allows the operator to choose the power source. The DIRECT system improves the charging of Liftgate batteries by utilizing a DC-DC Converter to boost the voltage from the truck's electrical system to optimally charge the batteries.



Source Options

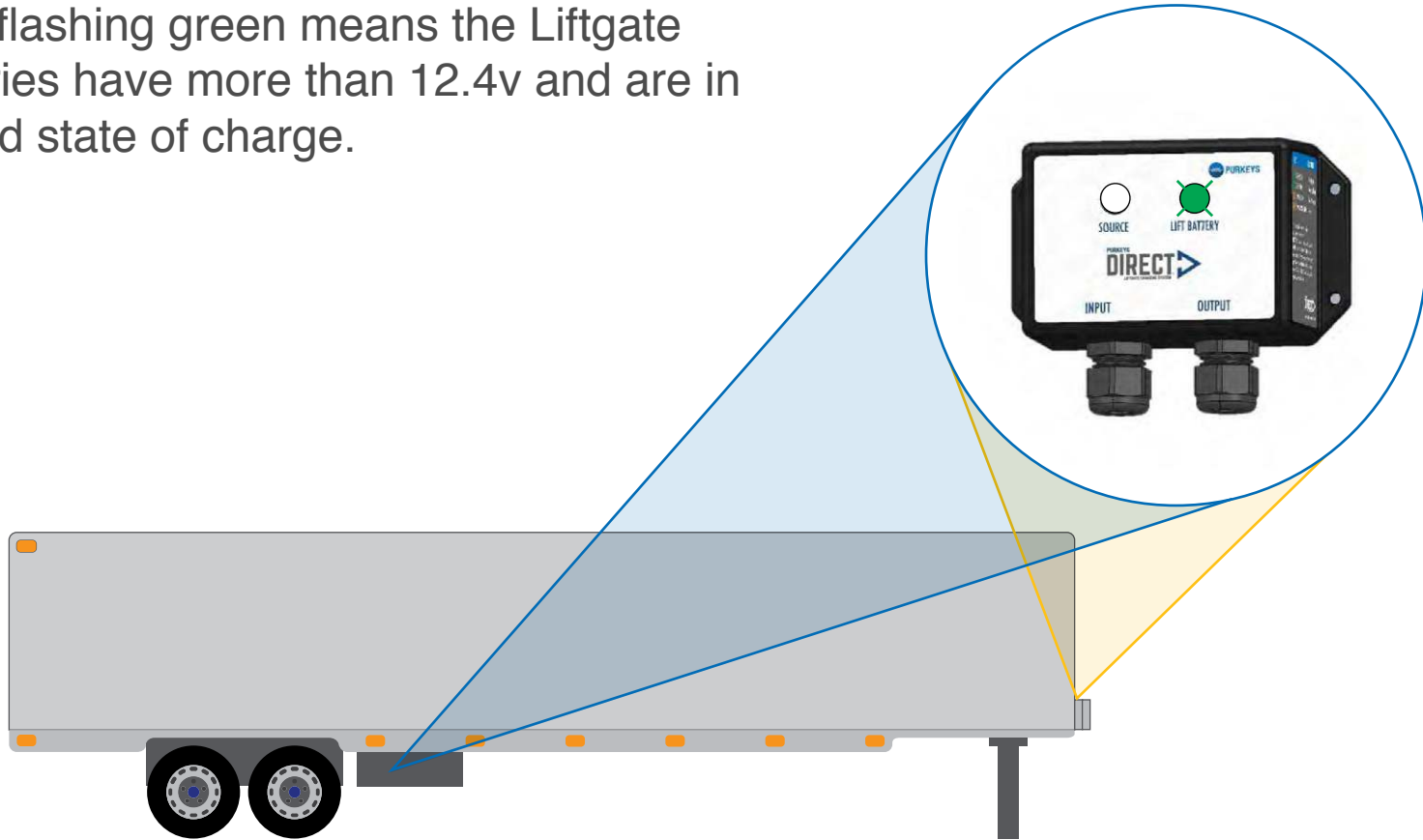
The DIRECT indicator box mounts to the front of the trailer and comes in a variety of options:

- Dual Pole
- Single Pole
- 7-way Aux



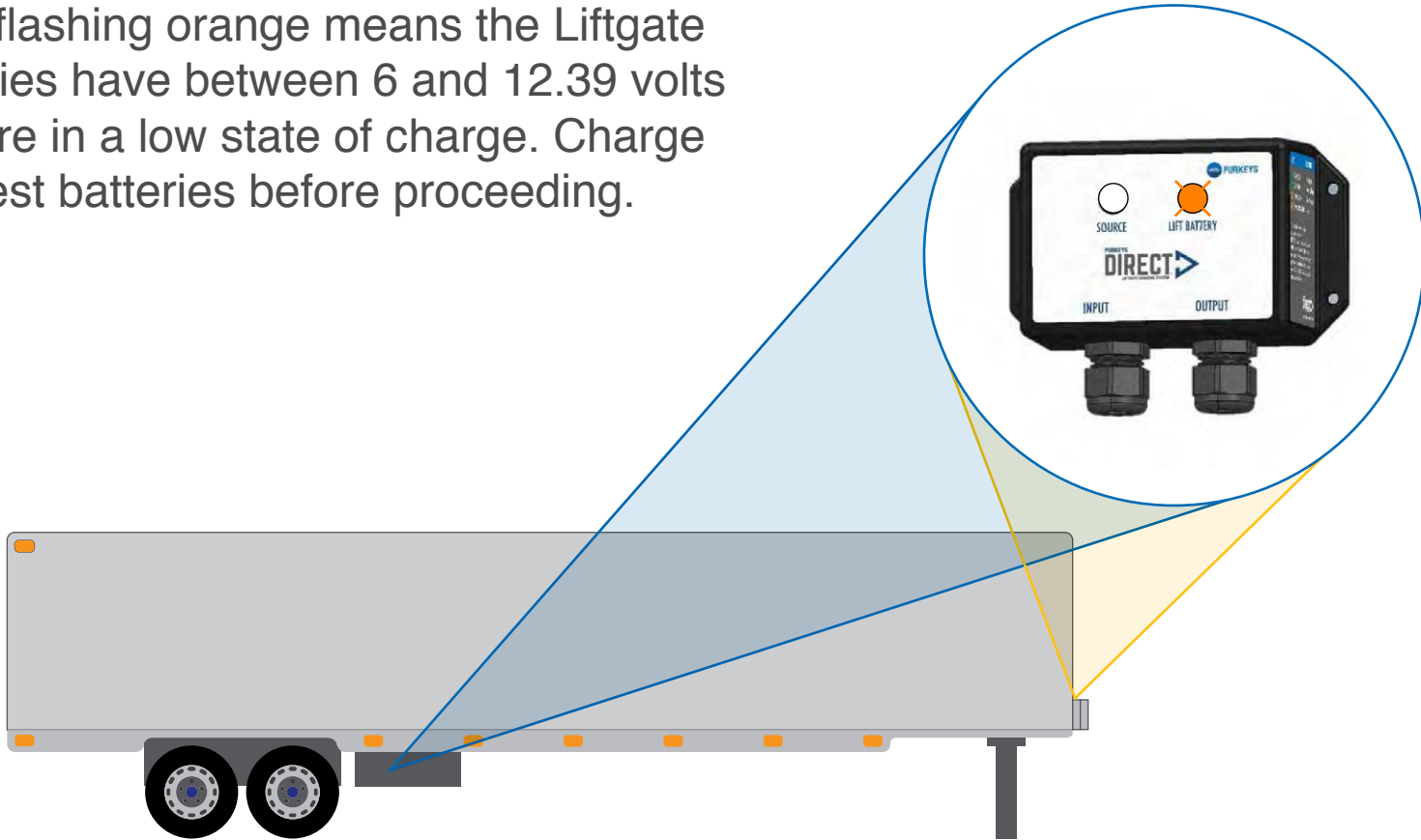
Liftgate Battery LED Slow Flashing Green

Slow flashing green means the Liftgate batteries have more than 12.4v and are in a good state of charge.



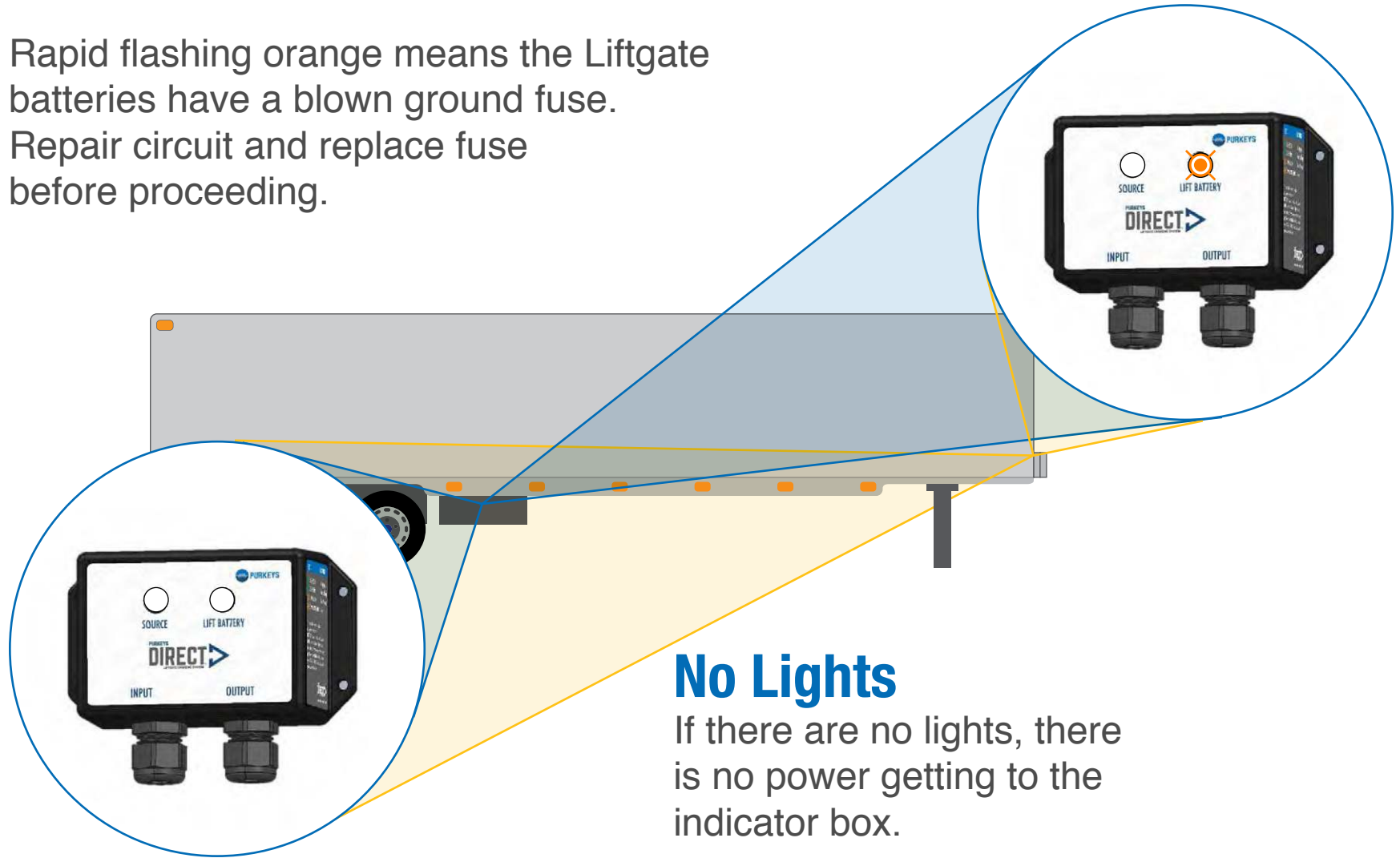
Liftgate Battery LED Slow Flashing Orange

Slow flashing orange means the Liftgate batteries have between 6 and 12.39 volts and are in a low state of charge. Charge and test batteries before proceeding.



Liftgate Battery LED Fast Flashing Orange

Rapid flashing orange means the Liftgate batteries have a blown ground fuse.
Repair circuit and replace fuse before proceeding.

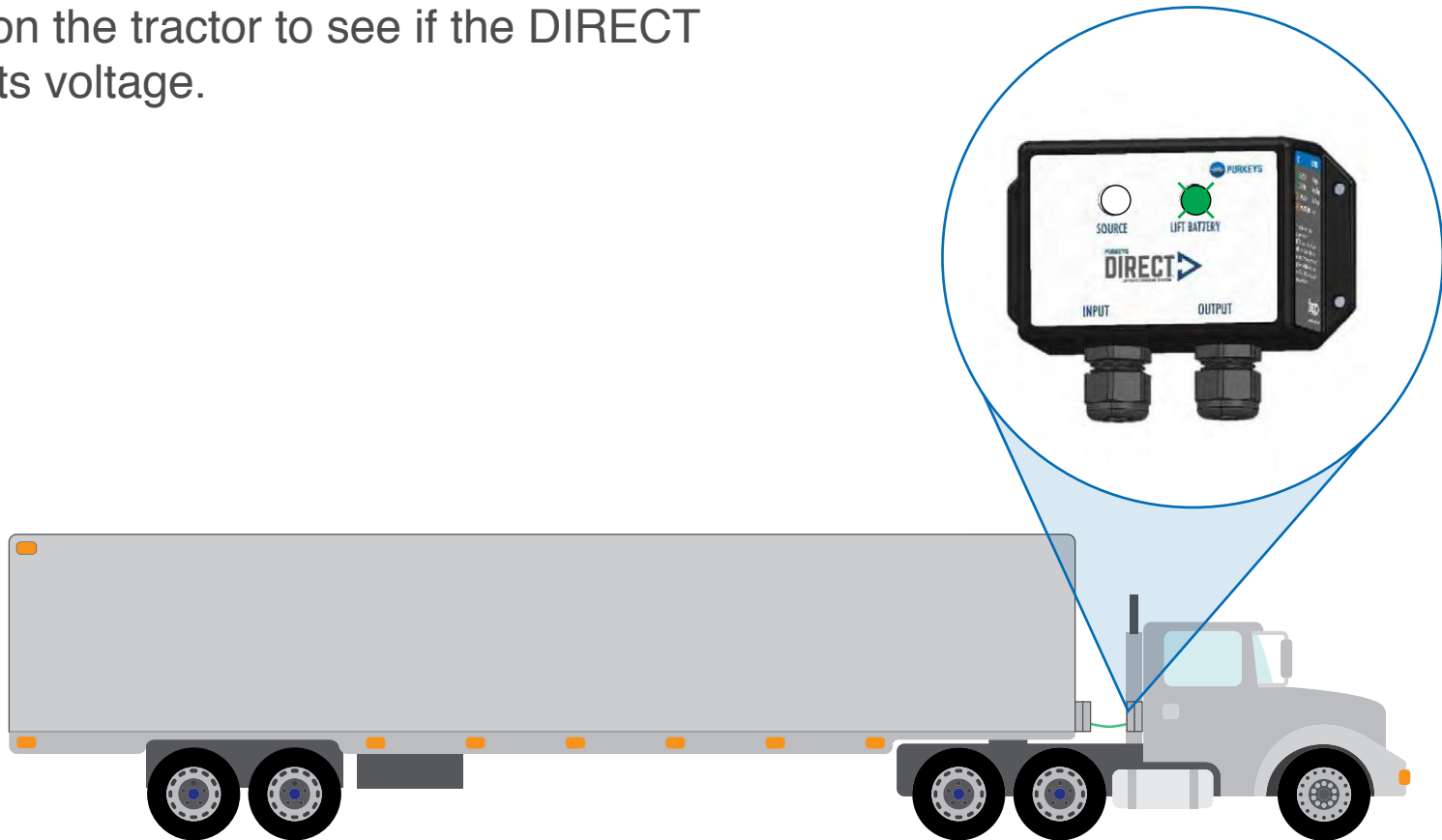


No Lights

If there are no lights, there is no power getting to the indicator box.

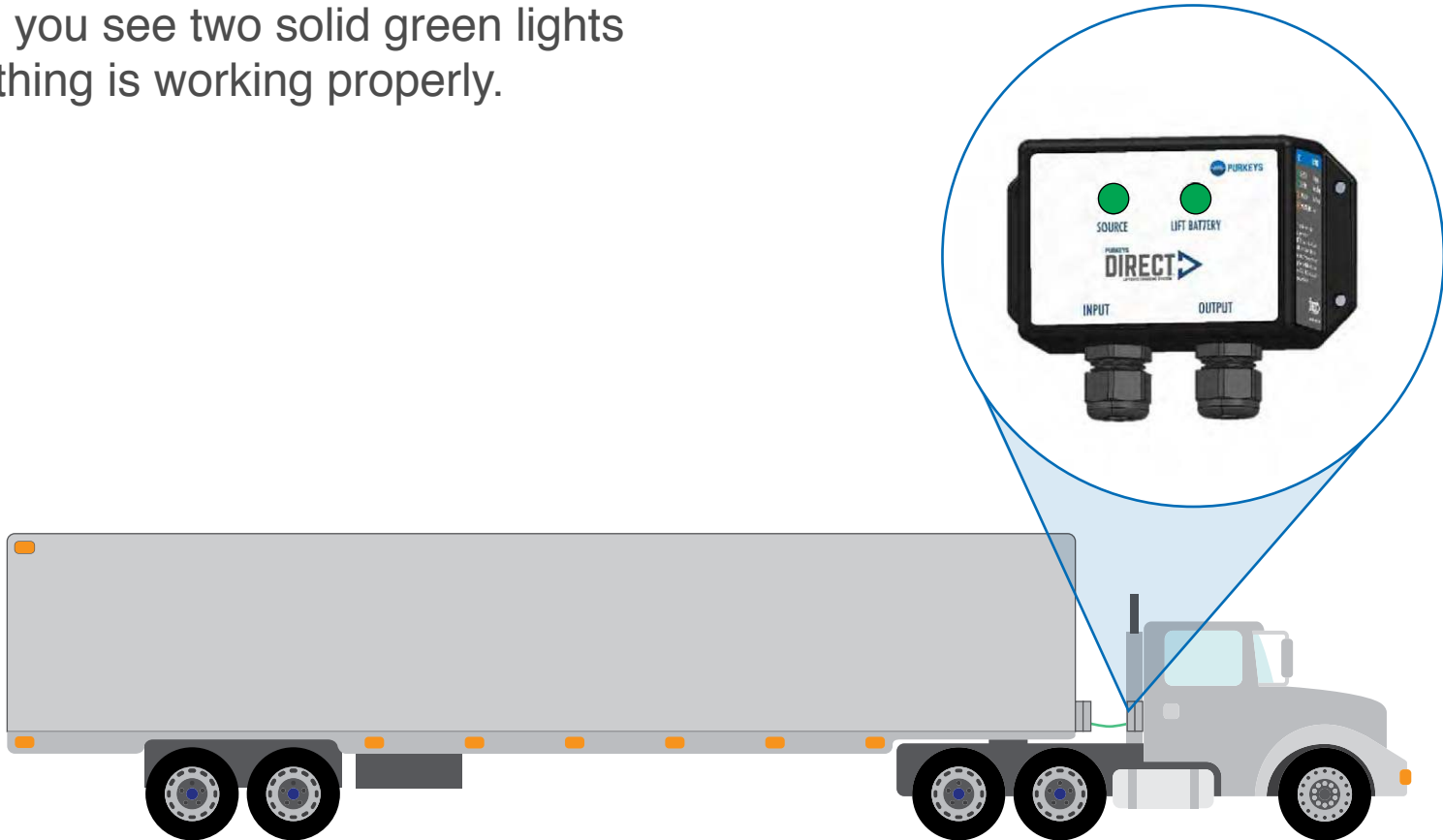
No source LED

Turn on the tractor to see if the DIRECT detects voltage.



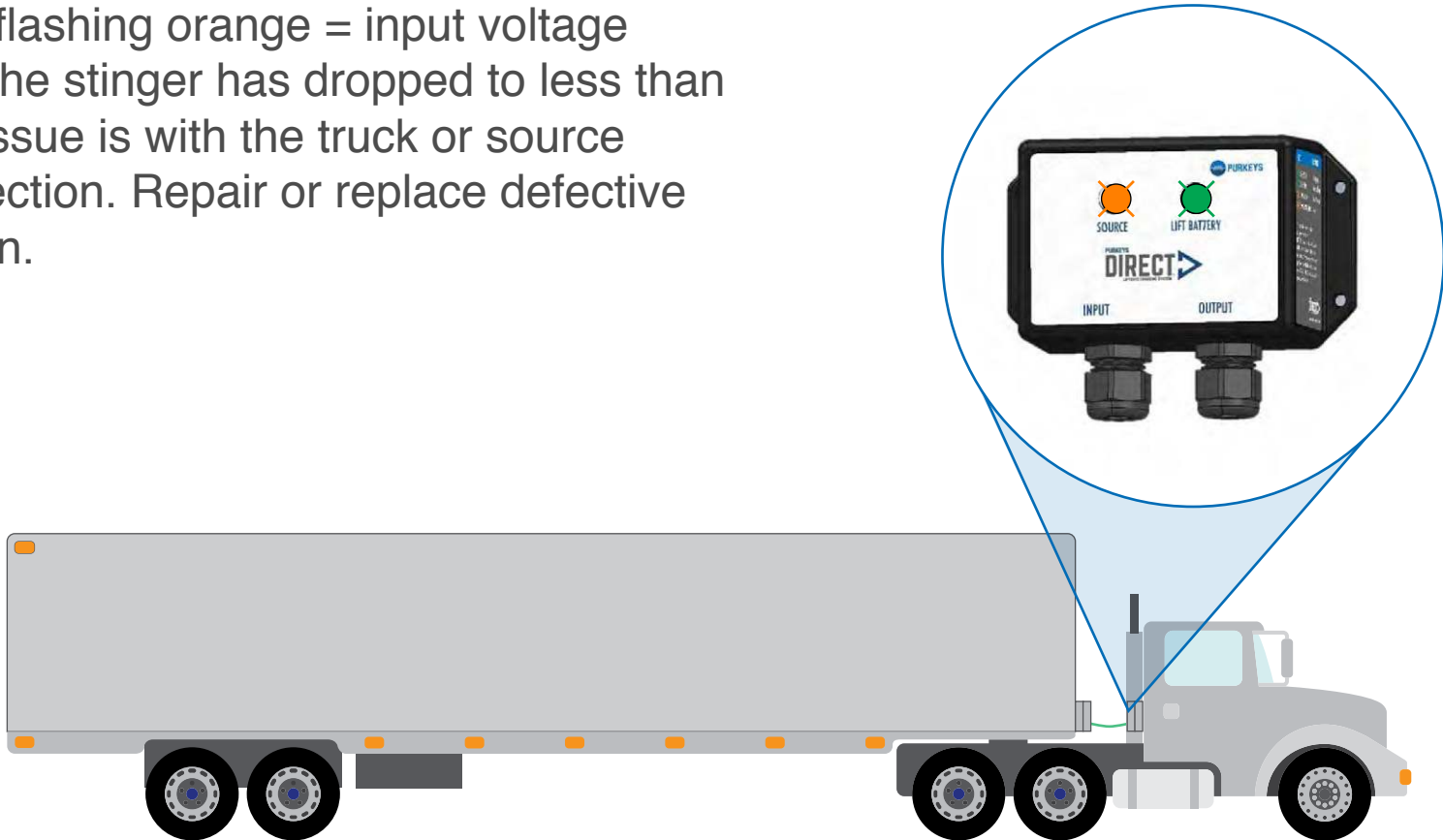
Start the Tractor

When you see two solid green lights everything is working properly.



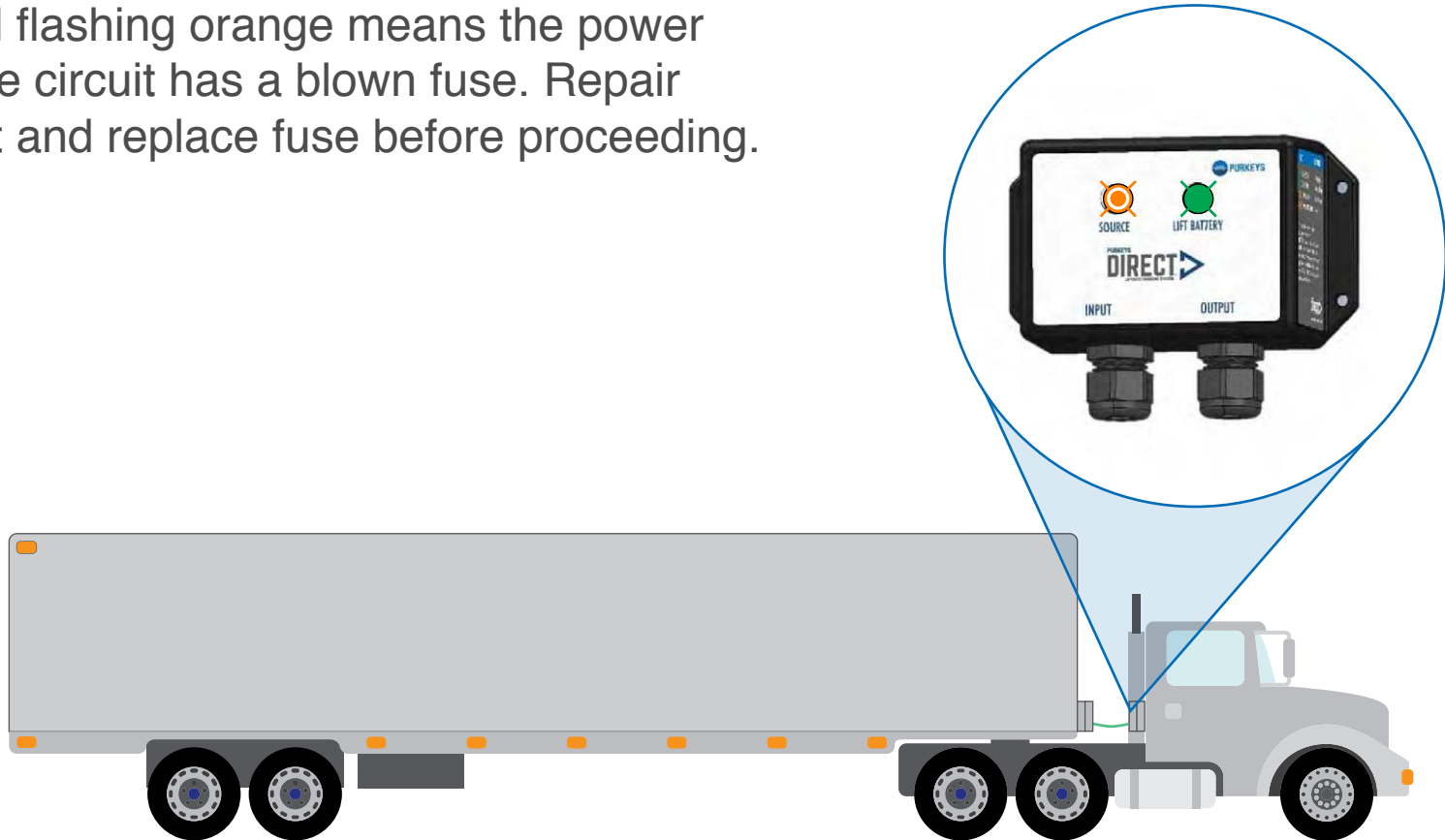
Source LED Slow Flashing Orange

Slow flashing orange = input voltage from the stinger has dropped to less than 11v. Issue is with the truck or source connection. Repair or replace defective portion.

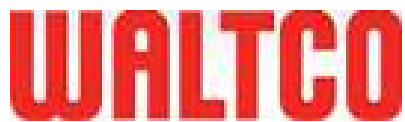


Source LED Rapid Flashing Orange

Rapid flashing orange means the power source circuit has a blown fuse. Repair circuit and replace fuse before proceeding.



Questions & Answers



Contact your
OEM for more
information or
contact Purkeys
directly

1-800-219-1269
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www.purkeys.net

Thank you!

Thank you for attending this webinar on the DIRECT system.

Stay tuned for our next webinar series on electrical training presented by Larry Rambeaux on **Feb. 12 at 12PM CST**