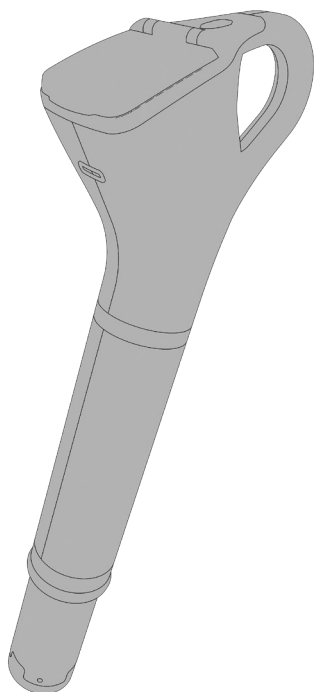




*TROJAN
ENERGY*



CHARGING MANUAL

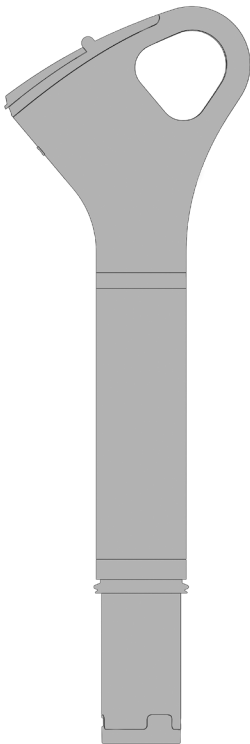
v2.0 (model: 75000002)

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TROJAN EQUIPMENT

THE CHARGING LANCE



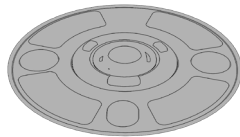
PORTAL

<https://portal.trojanenergyltd.com>

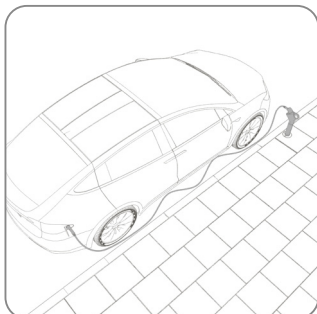


THE CHARGE POINT

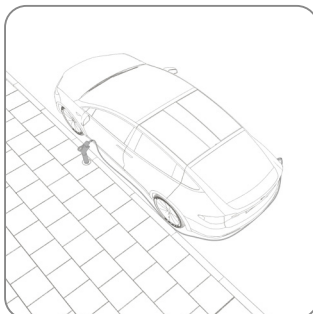
(model: 75000002)



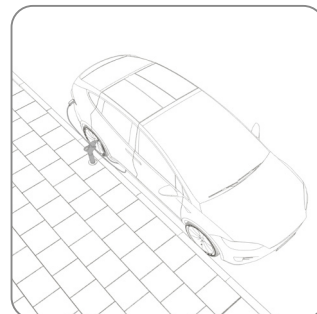
CABLE ETIQUETTE & SAFETY



Ensure cable is kept close to the footprint of the vehicle and is not obstructing pedestrian walkways.



When the vehicle charge port is on the opposite side of the vehicle to the pavement, ensure the cable always remains within the footprint of the vehicle.



Ensure extra cable is tucked away underneath or within the footprint of vehicle to avoid trip hazards for pedestrians. Never leave the excess cable on the pavement.

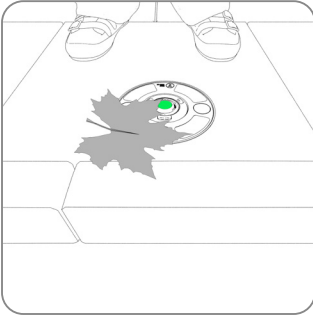
INSPECTION OF CHARGE POINT - INSPECT THE CHARGE POINT PRIOR TO USE TO CHECK FOR EXCESSIVE CONTAMINANTS SUCH AS CHEWING GUM, DOG FOULING ETC. IF IN DOUBT DO NOT USE THE CHARGE POINT AND REPORT THE PROBLEM TO TROJAN ENERGY THROUGH THE PORTAL / APP.

HEALTH - IF USING THIS APPARATUS CAUSES ANY PHYSICAL DISCOMFORT (ENGAGING AND DISENGAGING LANCE, OR CARRYING LANCE AND CABLE), THEN STOP USING THE LANCE AND REPORT THIS TO TROJAN ENERGY.

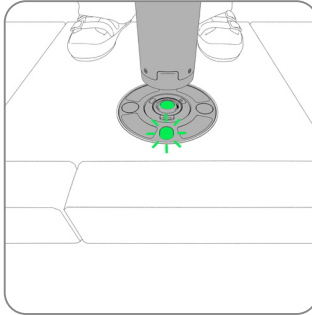
LANCE CARE - WHILST TROJAN HAVE USED ALL REASONABLE ENDEAVOURS TO MAKE THE LANCE ROBUST AND DURABLE, IT IS THE RESPONSIBILITY OF THE USER TO CHECK FOR SIGNS OR WEAR OR DAMAGE PRIOR TO USE. DO NOT STORE THE LANCE IN A DAMP & WET ENVIRONMENT, EITHER STORE IN VEHICLE OR PROPERTY. IF LANCE BECOMES EXCESSIVELY DIRTY, WIPE DOWN WITH A MOIST CLOTH TO REMOVE FOULING.

THE LANCE IS AT RISK OF THEFT IF A USER UNPLUGS FROM THE VEHICLE AND LEAVES IT ON THE STREET. THE USER WILL BE RESPONSIBLE BOTH FOR THE SAFETY, RISK AND ALL CHARGING THAT OCCURS ON THAT LANCE UNTIL TROJAN IS NOTIFIED AND THE LANCE DEACTIVATED.

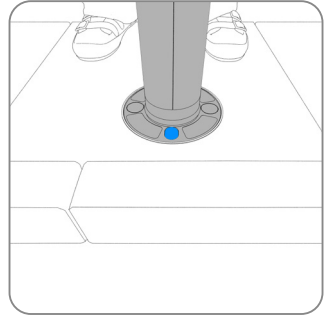
START YOUR CHARGING SESSION



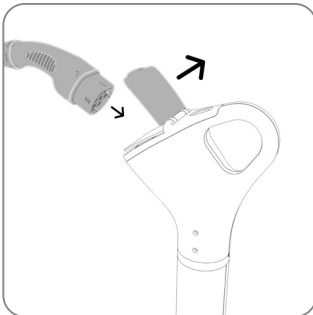
1. Remove any large pieces of debris on top of the charge point (i.e. any rocks, leaves or litter).



2. Line up the lance above the charge point with the top socket facing the road. The outer light should flash green.



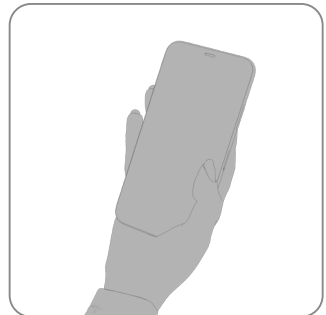
3. Push the lance into the charge point until it stops. Hold it firmly in place until the blue light appears indicating that it is locked (this may take a few seconds).



4. Lift the lid and plug the charging cable into the socket in the lance



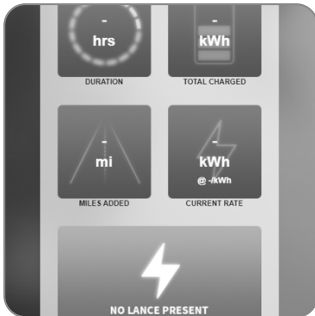
5. Plug the other end of the cable into the vehicle.



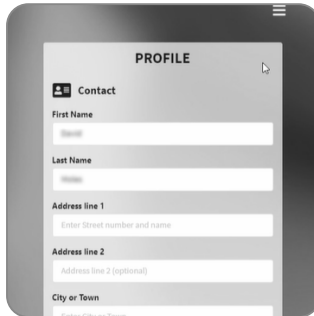
6. Charging will automatically start with preferences specified in the portal. Default is set to charge at fastest available speed. See page 4 'The Portal' for options.

THE PORTAL

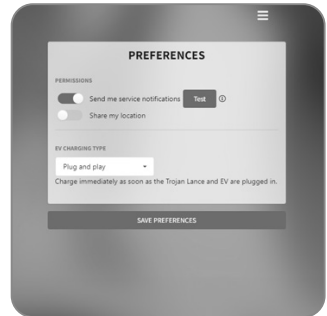
<https://portal.trojanenergyltd.com>



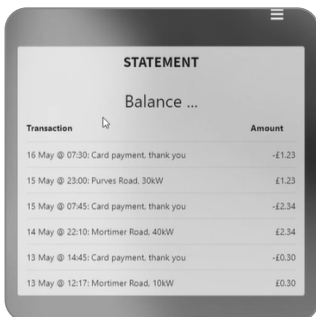
1. **Current charging session**
 - Charge duration
 - Total session kWh consumed
 - Charging speed
 - Ability to stop, start, resume charge



2. **Profile page**
 - Contact / billing details
 - Card details
 - Vehicle details
 - Change password



3. **Preferences**
 - Notifications / privacy settings
 - Auto-accept charging
 - Charging type options

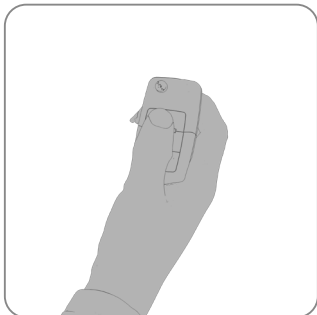


4. **Statements**
 - Previous charge dates, times & locations
 - Previous charge costs
 - Previous charge kWh
 - Download statement summary

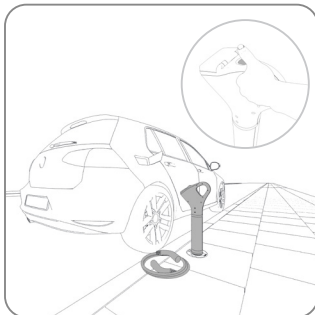


5. **Support**
 - Link to FAQ
 - Link to charging manual
 - Send a help request
 - Call support
 - Email Support

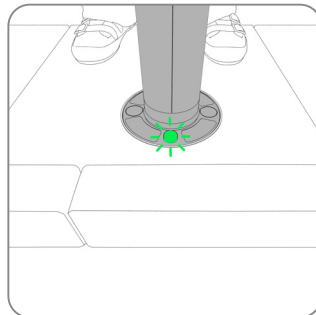
FINISHED CHARGING



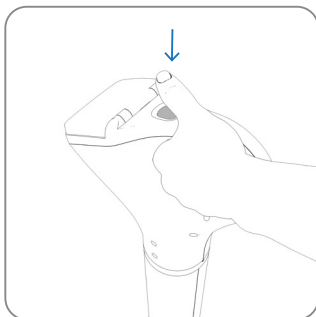
1. Unlock the vehicle if it is locked and unplug the cable from the vehicle.



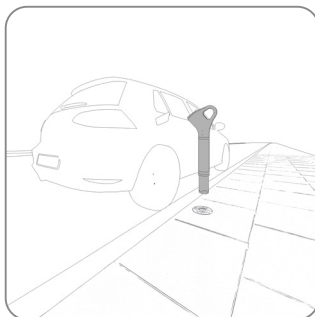
2. Unplug the cable from the lance socket and prepare to remove the lance by holding the handle.



3. A green light on the charge point should flash, indicating that it is ready to be released.

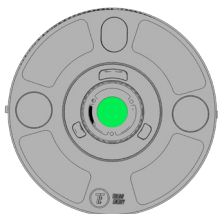


4. Hold the handle on the lance and press the button with your thumb to initiate the eject sequence.

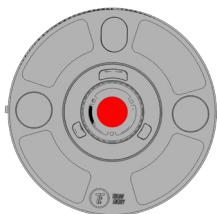


5. Remove the lance and store it in your car or your home, ready for the next charge.

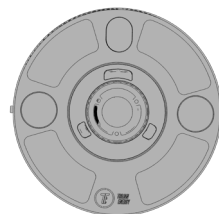
CHARGE POINT LED COLOUR STATES



Central LED solid GREEN
Charge point available / ready for lance insert



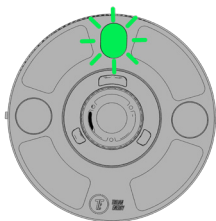
Central LED Solid RED
Charge point unavailable



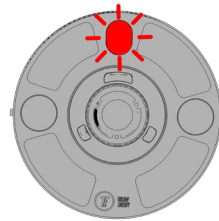
No lights
Charge point unavailable / no power



Edge LED Solid BLUE
Lance locked into charge point



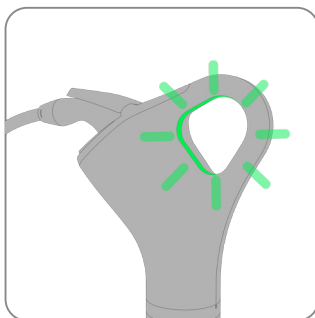
Edge LED Flashing GREEN
Lance unlocked from charge point / lance accepted (when offering lance to charge point)



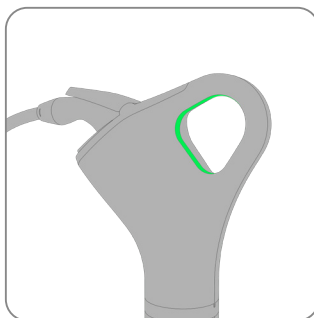
Edge LED Flashing RED
Rejected / charging error

LANCE

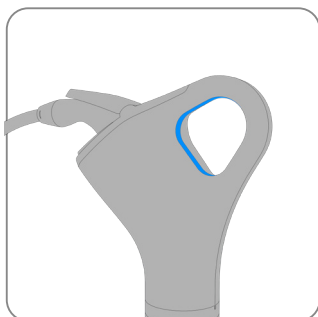
LED COLOUR STATES



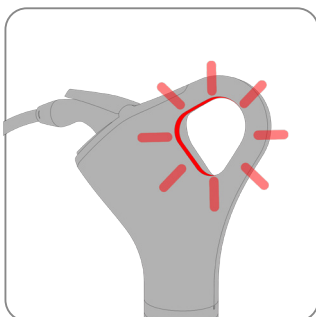
Lance LED Flashing GREEN:
Initiating charge transaction /
lance being ejected (on button press).



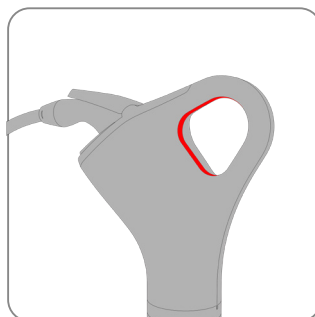
Lance LED solid GREEN:
Preparing to charge



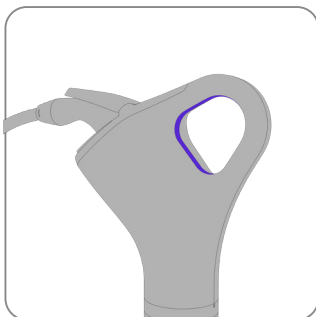
Lance LED Solid BLUE:
Successfully charging



Lance LED Flashing RED:
Lance rejected



Lance LED Solid RED:
Charging error



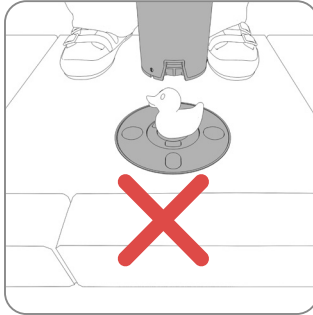
Lance LED PURPLE: Connection error - Disconnect from the
vehicle, eject the lance and then reinsert.

LANCE MISUSE



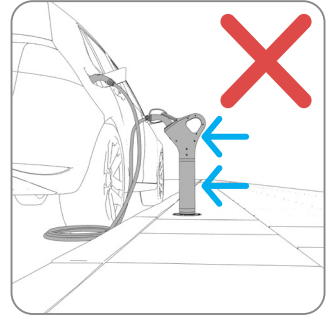
DO NOT

put anything other than the Trojan Energy lance in the charge point.



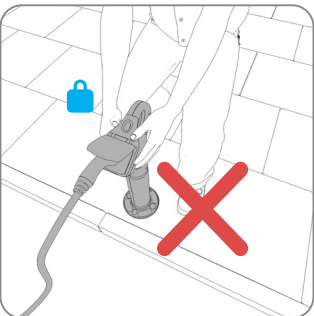
DO NOT

put anything between the lance & charge point.



DO NOT

exert force to the side of the lance.



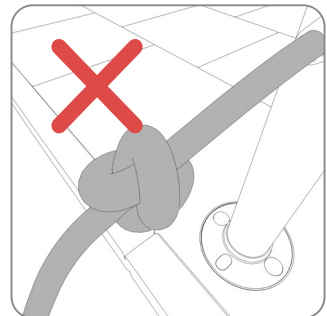
DO NOT

attempt to pull out without unlocking the unit.



DO NOT

leave the cable over the pavement.

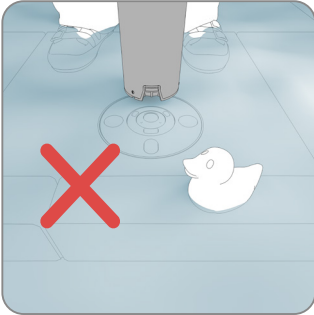


DO NOT

tie knots in the cable.

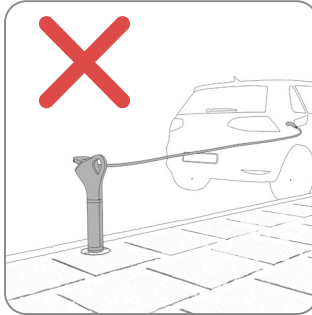
LANCE MISUSE

(CONTINUED)



DO NOT

insert the lance in flooded conditions.



DO NOT

run the cable so tight that it sits above the ground.



DO NOT

put any part of you body except your hands above lance while removing from charge point. Keep small children away while doing so.

TERMS & CONDITIONS

By using the Trojan Energy Limited (Trojan Energy) charge point, connector, lance and any other associated equipment (Equipment) you hereby agree to make use of the Equipment and EV charging services (Services) in accordance with the Trojan Energy terms and conditions in force and effect at the date of such use, available at <https://trojan.energy/consumertterms>.

For the Trojan Energy Legal & Regulatory Notice and limited warranty, please visit <https://trojan.energy/legal>.

WARNING: PACEMAKERS

EV charge points may generate electro-magnetic fields which may be harmful to wearers of pacemakers. If you have a pacemaker and are unsure about whether it is safe for you to use a charge point, please do not use the charge point. If you have a pacemaker and you use a charge point, maintain as much distance as possible from the charge point. If you feel uncomfortable at any time while using a charge point, please stop using the charge point immediately. Trojan Energy will not be liable for any loss, damage or harm suffered as a result of your use of a charge point if you wear a pacemaker, provided that nothing contained herein shall operate to limit or exclude Trojan Energy's liability for death or personal injury caused by its negligence.

By using the Equipment and Services you hereby irrevocably and unconditionally confirm that you fully acknowledge, understand and agree to the above provisions.

UNITED KINGDOM DECLARATION OF CONFORMITY

TROJAN ENERGY LIMITED

W-Zero-1 Building
Energy Transition Zone
Hareness Road
Aberdeen
AB12 3LE
United Kingdom



EQUIPMENT	Flat and flush EV charge point
DESIGNATION	Lance & Phalanx
MODEL	75000002
DESIGN REVISION	001

The undersigned hereby declares, on behalf of Trojan Energy Limited, that the above-referenced product, to which this declaration relates, is in conformity with the provisions of the following regulations:

- **Electrical Equipment (Safety) Regulations 2016**
- **Electromagnetic Compatibility Regulations 2016**

All equipment detailed has been designed and verified in accordance with the relevant verifications and any applicable verification options of the following standards:

- **BS EN IEC 61851-1:2019** Electric vehicle conductive charging system – Part 1: General requirements
- **BS EN IEC 61851-21-2:2021** Electric vehicle conductive charging system – Part 2: Electric vehicle requirements for conductive connection to an AC/DC supply – EMC requirements for off-board electric vehicle charging systems
- **BS EN IEC 61439-1** Low-voltage switchgear and controlgear assemblies – Part 1: General rules
- **BS EN IEC 61439-7** Low-voltage switchgear and controlgear assemblies – Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations
- **BS EN 61984:2009** Connectors – Safety requirements and tests

Ian Mackenzie
Chief Executive Officer
5 February, 2024

*The Technical Construction File is maintained at the address as detailed above.
This Declaration of Conformity is issued under the sole responsibility of the manufacturer.*

Trojan Energy Limited is a company registered in Scotland with company registration number SC547728



LANCE (P/NO. 9651-000) SPECIFICATIONS

Rated current in ampere (A)	32A
Rated voltages or rated insulation voltages between line to earth and line to line in volt (V)	400V
Rated impulse voltage in kilovolt (kV)	4kV
Pollution degree	3
Degree of protection by enclosure according to IEC 60529	IP24 disconnected; IP44 connected (mated)
Temperature range (C)	-25C ~ +40C
Type of terminals	N/A
Connectable conductors	N/A
Reference standard	EN IEC 61984:2009

