

# TC 9-KIT

**MAXON®**

**Trail Charger with ABS lock-out protection and Extender module  
(dual pole or seven-way aux pin circuit powered)**



## Kit Content

- 20 AMP TRAIL CHARGER WITH LOCK-OUT FEATURE
- DUAL POLE NOSE BOX
- TRAIL CHARGER HARNESS
- EXTENDER MODULE WITH HARNESS

This kit includes all harnesses, a dual pole nose box and a 20 amp Trail Charger unit with an extender module that is factory installed inside a new molded plastic battery box offering.

## Note

Batteries shown in images are for illustration purposes only.

## The issue:

On applications where auxiliary liftgate batteries are mounted a long distance from the primary vehicle's electrical system, voltage drop will occur. In order to charge auxiliary liftgate batteries, the correct voltage must be applied to these batteries. Without the correct voltage (i.e. electrical pressure) to push the available current through the liftgate batteries, inadequate recharging will occur and the batteries will run down.

## The Solution:

### Trail Charger Based Charging Solutions

A DC/DC converter (TRAIL CHARGER) eliminates the above problem by amplifying (boosting) any input voltage (9 to 14) to the correct voltage necessary to charge and maintain the liftgate batteries.

## DESCRIPTION:

Trail Charger with lock-outs that has an electronically controlled relay switch that will connect to either the 7-way auxiliary circuit or dual pole source for re-charging the liftgate batteries. The Extender module allows the Trail Charger to have extended run time when the tractor is turned off and provides low voltage protection for the tractor's primary batteries.

## RECOMMENDED FOR:

Special Applications that demand highest flexibility such as a trailer fleet for lease.

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The TC9-KIT is designed to allow the maximum flexibility for trailer fleets that are equipped with liftgates. By utilizing the Dual Pole with the Aux pin circuit as backup, there are now two power source options to re-charge the liftgate batteries from the tractor. The preferred option is to use a dual pole stinger cord. Whenever a dual pole stinger cord is connected, a yellow LED light will illuminate on the dual pole nose box indicating the system is operational and that power is being directed to the liftgate batteries. If the tractor is not equipped with a dual pole stinger cord, or the stinger cord is not functioning properly, the 7-way auxiliary circuit will be used as the power source. When power from the aux circuit is available a green LED light will illuminate on the dual pole nose box. In this charging mode a control module will automatically turn off the Trail Charger when the brakes are applied (ABS lock-out protection). Trailer – Lease Liftgate motor Battery Box Batteries w/Trail Charger & Extender 7- Way 7- Way Cord 7- Way

