



Large Dual Battery Kit

DBK12LARGE

Summary

The True Large Dual Battery Kit is assembled to provide for the connection of a secondary battery to the primary battery to allow for charging from the vehicle's electrical system. The items included in the kit make installation a snap and the True Smart Battery Isolator (SBI) automatically controls combining and separation of the batteries. Due to smart technology and programming the SBI does not require connection to the ignition or rerouting of any alternator wires preserving the integrity of the manufacturer's system. Failure is highly unlikely with a duty cycle tested at over 100,000 operations but unlike a traditional diode type isolator the True DBK12LARGE will not totally disable your charging system in the rare instance it would fail. A great product for installing additional batteries at remote locations in vans, cars, SUV, campers, and most any vehicle where your second battery can not be located in close proximity to your primary battery.



Features

With 20 feet of hi-flex positive charging cable included the True Dual Battery Kit is ready for the most remote installation in any vehicle. Complimented by the 3' hi-flex frame ground cable and the three brass alloy battery lug adapters the tinned copper cable ends connect easily and securely to all types of battery posts. The unique hi-flex nature of the cables allow for easy routing around corners and with the supplied zip ties provides for a neat final installation. The special clear adhesive lined shrink tube provides a verifiable sealed and secure connection on all cable ends. Once installed the True Smart Battery Isolator will automatically handle the combining and isolating duties with ease.



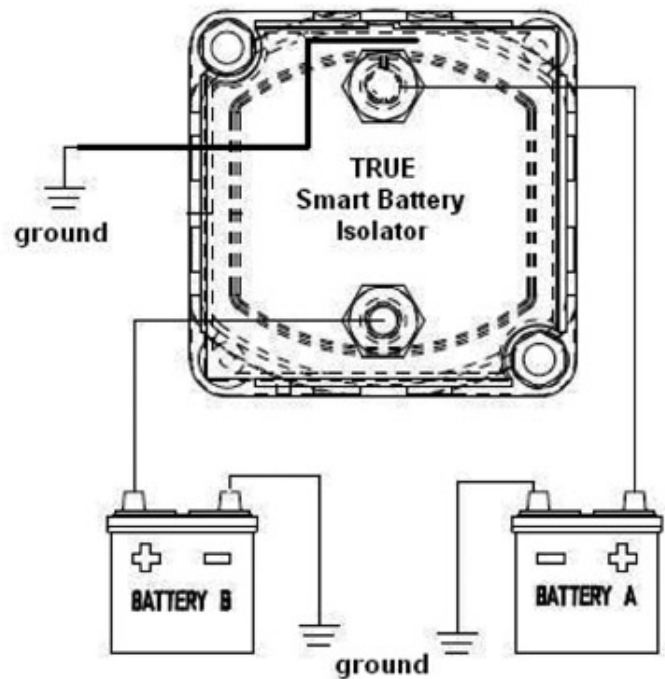


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Operation

When your vehicles charging system replenishes your start battery to a full state and the battery voltage reaches 13.4 volts and remains there for 10 seconds the True Smart Battery Isolator (SBI) will activate and connect the secondary battery and supply the charging voltage to it. When the engine is stopped or the charging sources discontinues providing the voltage the SBI deactivates and disconnects the batteries. Additionally if at anytime the draw on the secondary battery results in a depletion of voltage to less than 12.9v for 10 seconds the SBI will disconnect preserving the charge in the primary battery. Furthermore if a portable battery charger is connected to either battery resulting in the voltage raising above 13.4v continually for 10 seconds the SBI will activate and allow both batteries to be charged.



Application

The True DBK is efficient in any 12 volt system where a single charging source capable of producing 13.4 volts or more is going to be used to maintain two or more batteries while still desiring to isolate the primary battery to preserve its charge for vital functions. The "Smart" programming makes the True Dual Battery Kit a perfect application for large amp audio systems using a remote battery/capacitor combination to power large amplifiers.



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