

# Battery Separator With “Auto-Start” Option For X4™ and X2™ TRUs With APX™

Smartly deliver power from Carrier’s TRU alternator to liftgate and accessory batteries

## Features and Benefits:

- Prevents liftgate and other trailer accessories from draining TRU battery
  - When TRU battery voltage is above 13.2 volts, batteries connect in parallel, providing charge to liftgate/accessory batteries for maximum operating performance
  - When TRU battery voltage is below 12.7 volts, liftgate/accessory battery charging is stopped to preserve the unit battery
- Allows the TRU alternator to charge liftgate battery
- Provides additional battery protection when interior trailer lights are wired through the battery separator
- Meets the rugged demands of the transport refrigeration industry
  - Enclosed for safety and durability
  - Designed to operate at temperatures between -40°F to 180°F
  - Contains solid state circuitry which is protected from moisture and vibration
- Kit contains all parts required for a Standard and Auto-Start installation
- Easily installed on both Carrier Transicold and Thermo King®\* units (Note: Smart accessory/liftgate Auto-Start feature is not available on Thermo King units.)
- Compatible with Trailer Belt Drive Units (Auto-Start on X4 and X2 with APX only)
- Available at Carrier Transicold® Dealers nationwide



LIFT GATE BATTERY SEPARATOR	
Part Number	Description
76-50254-00	Kit, Battery Separator

## “Auto-Start” Features and Benefits:

- New liftgate Battery Charge Sensing wire allows for X2 (APX only) and X4 TRU units to monitor the voltage and automatically start to charge batteries
- When liftgate battery voltage drops below a configured voltage, the Carrier TRU unit will turn on and connect batteries in parallel, providing charge to lift gate/accessory batteries until the configured TRU battery amp draw setting is reached
- Auto-Start feature available on the following Carrier Transicold APX X4 units:

Unit	Software Required
X2 SW1	05.11.00 or higher
X4 SW1	05.11.00 or higher
X4 SW8	06.84.00 or higher

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