

## VRWTS 12 to 6 volt reducer for motors



Electric window, seat, top motor voltage  
reducer 12 volts to 6/8 volts  
Part number VRWTS

These instructions will help you install and test your new 12 volt to 6 volt reducer to run electric windows, seats and convertible top motors. Please read completely before attempting to install.

The VRWTS reduces the voltage from 12 volts to 6/8 volts to power motors commonly found to power seats, windows and electric tops. This unit will only work on negative ground electrical system. This will not work on positive grounded systems.

### Specifications:

- Intended for applications with intermittent use motors like windows, convertible tops, electric seat motors.
- Input voltage 12 volts negative ground.
- Output 6-8 volts 15 amps for up to 30 seconds duration.
- Circuit breaker is built in and resets automatically.
- Unit will get hot when it is used.
- Must be mounted away from any materials that can melt such as plastics.
- Needs a cool-down period between uses on high current motors.
- Should be mounted under the dash in well ventilated area away from materials that can melt or where someone can touch.



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Installation:

***Before you get started always disconnect your battery.***

1. Mount unit in well ventilated area under the dash away from materials that can melt or someone can touch the case will get hot during operation.
2. Supply 12 volts switched voltage to the input. Note if constant voltage (non-switched) is supplied this could draw battery down overnight if battery is not disconnected.
3. Connect a good ground to the ground terminal. ***Negative ground only.***
4. Connect 6 volt output directly to the motor or, if running more than one motor, connect the output to a common buss that will supply current to multiple motors. ***Note if running multiple motors, recommend operating one motor at a time, this will prevent overheating and potential of shutting down.***
5. Reconnect the battery and test operation.