

## Charge Your Batteries

Your vehicle is equipped with an onboard charger. This charger has a charging profile matched to the batteries in your vehicle. Please plug the charger in whenever your vehicle is not in use. The charger will keep the batteries fully charged without damaging them. Keeping your batteries fully charged will lengthen battery life and improve vehicle performance. Refer to your Operator manual charging instructions for more detail.

## Vehicle Operation

The vehicle power keyswitch controls power to the drive system. When the vehicle is on, the controller is continually monitoring the vehicle, and will draw some power from the batteries. It is recommended you set the power switch to the OFF position whenever not in use. This will protect the batteries and retain battery charge.

To drive the vehicle:

- 1) Confirm direction knob is set to Neutral and accelerator pedal is not depressed.
- 2) Turn power keyswitch ON.
- 3) Allow system to energize. After 2 seconds, there will be an audible click.
- 4) After the audible click (power up), select forward or reverse with direction knob.
- 5) Release parking brake.
- 6) Press accelerator pedal to travel in the chosen direction.

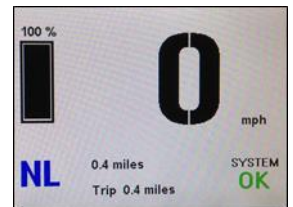
## DC System Status

With the power keyswitch turned to the “ON” position, the dash System Status LED will light. It indicates the controller is powered up and should display a steady green light. This is a diagnostic light. If it is flashing, followed by a pause, it is very important to observe the number of flashes. This will aid in an electrical fault analysis. With a steady green light the vehicle is ready for operation. See Owner’s Manual for details.

## AC System Status – Several displays available

### A. Multi-Function Clearview Display Panel

This panel is located on the support panel in front of the steering wheel. With the power keyswitch turned to the “ON” position, this meter will display the battery state of charge as a percentage of full charge, the system status, the operating speed, odometer, and direction selected. It performs a self test and loads the controller data. When the SYSTEM OK is shown the vehicle is ready for operation. See Owner’s Manual for details.



### B. Multi-Functional Digital Indicator (MDI)

The MDI will be located on the dash. Four LED’s show the battery’s state of charge. The center display will show hours worked. It will also indicate alarm state codes which will aid in corrective actions. See Owner’s Manual for details.



### **Use the Parking Brake**

Whenever vehicle power is not on, it is necessary to set the parking brake to secure the vehicle. Using the parking brake helps ensure personal safety and prevents vehicle damage by keeping the vehicle from moving unintentionally.

If equipped with a handbrake, remember to disengage it prior to operating the vehicle. Failure to release it will result in damage to the brake system and may cause power drive system failure to the electric motor and/or controller.

### **Read the Owner's Manual**

While this guide gives you a quick overview of vehicle operation, please read the owner's manual for full details and cautions. If you have further questions, contact your Columbia dealer or consult a parts or service manual for more info.

## **TROUBLESHOOTING GUIDE**

### **Check Your Batteries**

Your batteries are the source of power for your drive system. If batteries are not sufficiently charged, the vehicle may operate intermittently or may fail to operate at all. They should be checked with an accurate voltmeter if vehicle does not operate. Do not rely on the DC battery discharge indicator or the AC Display Panel

### **Check the Parking Brake**

If your vehicle will not move, or will not operate at high speeds, make sure your parking brake is released. With the vehicle power off, manually push the vehicle a short distance to confirm that the parking brake is not engaged.

### **Power Key Switch Sequence**

If the vehicle controls are not activated in the correct sequence, the vehicle may fail to operate. Ensure the accelerator pedal is released and the direction knob is in the Neutral (N) position, before turning the power keyswitch ON.