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Pre-Operation Check List  
 Driver Morning Check List

Check Mark	Action Taken
	<b>Before Operation</b>
	Walk Around Vehicle   Look for Flat Tires
	Walk Around Vehicle   Look for Wires Hanging Under Vehicle
	Walk Around Vehicle   Look for Unusual Damage to Vehicle
	Ensure Charger is Plugged in and Lift Open Rear Seat to See Charger Operating with Lights on the Charger Display (Black Box Under Seat)
	Ensure Charger is showing 100% Green Light (Full Charge)
	Check to Ensure Charger is Not Flashing any Red Lights. If this is the case, report shuttle to Technical Team Immediately
	Disconnect Charger Before Operating Vehicle
	** If Trailer Is Present, Check to Confirm Trailer Connectors are tight
	** If trailer Is Present, Check to Confirm Hitch and Ball Have Good Connection. Also Confirm Safety Bolt Under Hitch Ball Is Present
	** If trailer Is Present, Check to Confirm Trailer Connectors Are Not Zip Tied up Too Tightly, Slack is needed for tight Turns.
	** If Trailer is Present, Confirm Brake Actuator on Rear Trailer is Working and Making Pumping Noise
	<b>Starting Vehicle</b>
	Before Turning Key to the on position, start vehicle in Neutral Position
	Observe Voltmeter "V"   Starting voltage should be between 74v and 78v when fully charged
	Observe the State of Charge Meter. This is the Digital reading that is measured by 10 blocks or bars. If this meter is low, contact the technical team to look at the vehicle and verify.
	<b>During Operation</b>
	Observe Voltmeter "V" during operation. If this meter drops below 60v (red section) during acceleration and stays below 72v while sitting still, bring shuttle back to charger, the vehicles need to charge.
	If a shuttle is not being used, supplemental charging is suggested. Plugging the cart into a 120v 20amp outlet for several minutes can extend the overall range of the shuttle. Plug the shuttle in always when it is not being used.

	<b>** Note: When plugging in the charger during supplemental charging, the charger might read 30% (solid red light). This is okay, charge as long as possible and run cart until the batteries need a full charge.</b>
<b>End of Operation</b>	
	<b>Clean Vehicle with light water. Do not wet the dashboard or cockpit area where the driver sits. High Pressure is forbidden, normal pressure hose should be used. Avoid spraying the accelerator pedal, dashboard, controller, charger, etc. Anything Electronic should not be sprayed.</b>
	<b>Park Vehicle and Plug in all Chargers.</b> <ul style="list-style-type: none"> <li>○ <b>Observe that Charger Power is on, fan should be running with LED light display being shown.</b></li> <li>○ <b>Note Starting Time of Charge which will help determine overall charge time. This data will be helpful for the technicians when determining battery overall condition,</b></li> <li>○ <b>DO NOT PLUG TWO CHARGERS INTO ONE OUTLET. ALL CHARGES NEED A DEDICATED 120V 20AMP OUTLET PER CHARGER</b></li> </ul>

**BAD BATTERY TERMINAL**



**GOOD BATTERY TERMINAL**

