Fault Code	Fault	Vehicle Operation Change	Corrective Action
- - -	Direction Selector Fault	Vehicle Operates in One Direction Only	• At Direction Selector check wiring Bad - Replace/repair wiring; Good - Replace selector switch
- - -	No Buzzer	Buzzer Inoperative	• Verify Run-Tow/Maintenance Switch is in 'RUN' position; • Verify 36 volts at J1 Pin 10; Repair/replace Pin 10 wire; • Verify 36 volts at J1 Pin 1; Repair/replace Logic Power; • (In Reverse) Verify 36 volts at J1 Pin 2; Repair/replace wire or micro switch in Direction Selector switch
0 - 0	No Fault Codes	Vehicle Inoperative with Key ON	• Open Pedal Box, verify micro switch wiring is connected & is not damaged; Repair/replace as necessary; • Direction Selector Forward micro switch OPEN, verify switch is operational and wiring is connected & not damaged; Repair/replace as necessary; • Verify Key Switch is operational; Repair/replace as necessary
The following codes require the rear wheels be raised before performing tests:			
1 -1	Controller Failure	Vehicle will not run	• Verify Power wiring (steps 3 - 15); Check for motor shorts, carbon dust build up; Replace controller
1 - 2	Throttle Fault	Solenoid sticks, Vehicle will not run	• Readjust (steps 41 - 45) or Replace pedal box or pedal box harness
1 - 4	High Pedal Disable	Vehicle will not run	• Release pedal; Inspect linkage, J4 Pin 2 (36v with key ON & Direction Selector in Forward), J4 Pin 1 (36 volts with key ON, Direction Selector in Forward, Pedal Down), Verify micro switch in Pedal Box
2 - 4	Solenoid Coil Failure or Coil Disconnected	Vehicle will not run	• Verify small solenoid terminal with YELLOW wire has 36 volts; No - continue to next step; Yes - go to BLUE wire test at J1 pin 6 • Verify J1 Pin 7 has 36 volts; No - continue to next step; Yes - repair YELLOW wire, return to start of this test sequence • Disconnect J1 connector, check for damaged pins; None - continue to next step; Yes - repair and return to start of this test sequence • Verify small solenoid terminal with BLUE wire has 36 volts; No - continue to next step; Yes - go to BLUE wire test at J1 pin 6 • Replace solenoid and return to start of this test sequence; • Verify J1 Pin 6 BLUE wire has 36 volts; No - repair BLUE wire and return to start of this test sequence; Yes - continue • With Pedal depressed, zero voltage? Yes - replace solenoid
3 - 1	Solenoid Driver Failure	Vehicle will not run	• Check wiring for damage; Replace controller
3 - 3	Solenoid Did Not Close	Vehicle will not run	• Verify all solenoid connections for proper connections and tightness; Replace solenoid if necessary
3 - 4	Field Open	Solenoid clicks, Vehicle will not run	• Verify motor and controller field connections; Replace power harness or motor if necessary
4 - 1	Armature Open	Solenoid clicks, Vehicle will not run	• Verify motor and controller armature connections; Replace power harness or motor if necessary
4 - 3	Solenoid Drop Out	Vehicle stops	• Verify all solenoid connections for proper connections and tightness; Replace solenoid if necessary
The following codes require the vehicle be operated under load while performing tests:			
1 - 3	Speed Sensor Fault	Vehicle runs slowly	• Check speed sensor magnet, wire, sensor & connector connections; Replace speed sensor if necessary
2 - 1	Low Battery Voltage	Vehicle performance reduced	• Perform discharge test; Charge batteries/replace bad batteries
2 - 2	High Battery Voltage	Vehicle performance reduced	• Verify that battery system is less than 48 volts
2 - 3	Thermal Cutback	Vehicle performance reduced	• Allow controller to cool and verify heat sink bolt tightness
3 - 2	Solenoid Welded	Vehicle runs slowly	• Replace solenoid
4 - 2	Motor Stalled	Vehicle performance reduced	• Remove mechanical blockage