



Service Memorandum

SM2203 EV Recommended Starting Procedure

This Service Memorandum is to announce the proper starting procedure to be followed for all Cummins EV powered units. The sequence is required due to multiple electronic modules required to wake up and start communicating over the CAN (Controller Area Network) on EV Power Train product”

WARNING: Always follow all Federal, State, Local and Shop safety standards and use proper safety equipment, and thoroughly read and understand all instructions before performing these procedures.
Park bus on level surface, apply parking brake, turn off ignition key, and chock wheels.

CAUTION: It is recommended to pause at least 5 seconds between each ignition key position. If the ignition key is cycled in rapid succession, it can potentially damage the SCM (System Control Module)

Starting Procedure

Starting the Blue Bird Electric Bus is different than starting an internal combustion engine powered bus. When you “start” the electric bus you are not starting an engine, instead you are preparing the bus for operation. Certain steps must be followed in a specific order before systems will become operational.

Follow the steps below to “start” or prepare your bus for operation:

1. Disconnect the vehicle charging cable (if connected).
2. Wait 10 seconds and verify that the shifter is no longer illuminated before proceeding to the next step.
3. Ensure the Parking Brake is engaged.
4. Turn the ignition key to “ON” without turning the key to “START”.
5. Ensure the vehicle is in park mode (push button selector pad is in Neutral and the Park Brake ON).
6. Once the “WAIT TO START” light is no longer illuminated, the bus is ready.
7. Turn the key to “START”. Release the key as soon as the vehicle is enabled (approximately 1 second). When the vehicle is enabled, a click may be heard from the battery contactors closing and the “Bus Enabled” telltale in the instrument panel’s right warning bank will be illuminated.
8. Put your foot on the brake pedal and release the parking brake.
9. For forward motion push “D” while holding the brake pedal. You should see the “Bus Enabled” icon.

Note: When the “Bus Enabled” indicator is illuminated and upon selecting forward or and the shifter panel is “Blinking”, check the following interlock safety features:

- a) Entrance Door must be completely closed
- b) Driver’s Seat Belt must be fastened properly
- c) Any optional brake interlock feature conditions satisfied (Example: Wheel Chair Lift Doors)

