



## SCHOOL BUS DRIVER'S GUIDE

This school bus is equipped with an MGM Brakes e-STROKE system that will allow the bus driver to easily check the school bus brake system to ensure it is operating properly, or indicating wheel specific brake faults.



The chassis communications module (CCM) illustrated above with multicolored LED lights (green, red and orange) will indicate the brake condition for each wheel when the following procedures are applied:

### **PRE-TRIP INSPECTION**

To do a pre-trip inspection follow this simple procedure:

- a) Chock wheels.
- b) Release parking brake.
- c) Start engine and build brake system air pressure to 100-110 psi.
- d) Apply and hold service brake foot pedal one time only to 90-100 psi for 2 seconds minimum, release foot pedal and wait 6 seconds minimum.
- e) Observe CCM LED lights for—
  - System Status Fault
  - Brake Stroke Status Fault

**NOTES:** Blink codes held for 5 minutes. Brake stroke status codes are only valid when System Status LEDs are GREEN.

**(Blink Codes on reverse side)**



## LED BLINK CODES DEFINED

### SYSTEM STATUS LEDs—

- **Solid GREEN**  
System Operating Properly
- **Blinking RED (or RED/GREEN) or Unlit**  
System Low Voltage Fault

### BRAKE CHAMBER LEDs—

- **Solid GREEN**  
Normal Stroke
- **Slow RED Blink**  
Dragging Brake Lining Fault
- **Rapid RED Blink**  
Overstroke Fault
- **Alternating RED/GREEN Blink (short-long-short)**  
Non-Functioning Brake Actuator Fault
- **ORANGE Blink (long-short-long)**  
Sensor Assembly or Sensor Harness Fault

## WHILE DRIVING INSPECTION

(Foot pedal has been applied more than one time after engine start-up.)

With engine running and parking brake released, apply service brake foot pedal to 90-100 psi.

### BRAKE CHAMBER LEDs—

a) With foot pedal held down:

- **Solid GREEN**  
Normal Stroke
- **Rapid RED Blink**  
Overstroke Fault
- **ORANGE Blink (long-short-long)**  
Sensor Assembly or Sensor Harness Fault
- **Alternating RED/GREEN Blink (short-long-short)**  
Non-Functioning Brake Actuator Fault

b) With foot pedal released:

- **Solid GREEN**  
Normal Stroke
- **Slow RED Blink**  
Dragging Brake Lining Fault

**IMPORTANT:** Should the CCM LEDs indicate any brake faults, notify your maintenance personnel. Never attempt to make any repairs or adjustments yourself. A brake fault will reduce the bus's braking capability or cause damage to the brake system.