

Fighting a fire is dangerous—
getting to it shouldn't be.



e-STROKE[®] Brake Monitoring System



- ✓ **Instant Electronic Brake Stroke Status Check**
- ✓ **Promotes Responsive Preventive Maintenance Which Elevates Fire Truck Safety Levels**
- ✓ **Helps Reduce Fire Department Operating Costs**
- ✓ **Wheel-Specific Real-Time Monitoring Capability**
- ✓ **Diagnostic Tool—Pinpoint Brake Problems Early**
- ✓ **Easy-to-Read LED Display**

A Leader in Truck & Bus Safety—Worldwide.



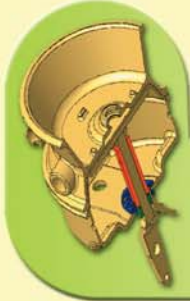
MGM BRAKES
A Division of Indian Head Industries, Inc.

e-STROKE[®]

Brake Monitoring System

Anytime. Anywhere. Any Weather.

Get e-STROKE[®]



The MGM Brakes e-STROKE[®] system provides a quick, accurate brake stroke status reading for any air-braked fire truck with exposed push-rod spring brake chambers. The easy-to-read Chassis Communications Module (CCM) which can be mounted in-cab produces wheel-specific LED blink codes that pinpoint existing brake problems.

Stroke sensing components are factory installed as an integral part of MGM Brakes service chambers and spring brakes, helping to keep them from the elements and out of harm's way. This unique, patented design eliminates the accuracy, reliability and durability issues inherent with an externally-mounted sensor system.

Get Serious About Saving Money.

Good preventive maintenance can significantly lower parts and labor costs. The e-STROKE[®] system is an excellent diagnostic tool to find and remedy brake problems *before* they become serious and costly.

Keeping fire truck braking systems in optimal condition and adjustment obviously reduces the risk of brake-related problems and accidents. The e-STROKE[®] system can help fire departments save money!

Get Serious About Safety.

The e-STROKE[®] system's ease-of-use promotes operational safety—always a serious concern. Conduct a brake stroke status check during a pre-trip 'walk-around' inspection and discover problems *before* getting on the road.

'Real time' and continuous communications with onboard vehicle monitoring systems via J1708 transmissions are possible. e-STROKE's real time wheel and problem specific diagnostic capabilities bring brake safety and maintenance response time into the 21st century.

EASY-TO-READ WHEEL SPECIFIC INDICATORS.
LEDs produce green, red or orange blink codes that signal specific brake chamber stroke statuses.

INTEGRAL BLINK CODE LISTING.
Handy, concise listing of all possible blink codes printed right on the CCM.

SYSTEM STATUS INDICATOR.
Reveals at a glance if the voltage is sufficient and the system is functioning properly.

DURABLE CABLE & CONNECTORS.
The finest heavy-gauge wiring and water-proof connectors ensure reliable operation. Metri-Pack Sealed, IP66 rated.

ENVIRONMENTALLY SEALED.
CCM unit is completely potted and sealed to keep out dust, water and contaminants.

WITHSTANDS WEATHER EXTREMES.
Freeze it or heat it—broad operating temperature range of -40°F to +176°F.



50 Years of Leadership
A Leader in Truck & Bus Safety—Worldwide.

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*U.S. Patent Nos. 5,450,930 and 5,825,287 and other U.S. and Foreign Patents Pending.

SPECIFICATIONS

Chassis Communications Module (CCM)— Dimensions: 7" W x 3.75" H x 2" D Weight: 2 ± 0.5 lbs. Power: 9.5 to 30 VDC Cable Connectors: Metri-Pack Sealed 150 & 280 Series, IP66 rated Operating Temp.: -40°F to +185°F	Sensor/Cable Assembly— Power: 5 VDC supplied by CCM Sensor Cable Lengths: 8' - 60' SAE J1128 and J2202 requirements Cable Connectors: Metri-Pack Sealed 150 Series, IP66 rated Operating Temp.: -40°F to +176°F
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Specifications Subject to Change