



An ISO 9001:2000 Registered Company

Gateway^{BMAI} (GTWY820-B1 with BrakeMax)) - Installation Instructions

Ford Econoline (with Tow Haul only) 2007-2010
Ford F-Series 5.4L, 6.4L, 6.8L 2008-2010

It is not necessary to cut any OEM wires during the installation of the wire harnesses. Always disconnect the battery before installing any electrical devices.

It is imperative that each harness be installed into the correct module connector, or damage to the module will result. The connections are color coded to assist with proper installation.

Gateway module installation

- Ensure that the ignition is in the OFF position.
- Determine if the ambient temperature in the area of the module is at or above 150 °F during system operation. If so, determine the external heat source. This will typically be caused by engine heat if the module is mounted near the engine cover or hot air being supplied by the heater ducts. Locate the module in an area away from the external heat sources.
- Identify each harness connector before installation into the Gateway module.
- **Do not** simply match up the number of pins in a harness connector with the number of pins in a module connector receptacle. There are several 6-pin connections on the harness and module that, if swapped, may cause permanent module damage.
- The harness will have a colored tape on the module connector end that will identify which module receptacle to plug it into. The color of the tape on the harness should be matched up to the color of the lettering that identifies the connector receptacles on the module.

Gateway Module Suggested Mounting – 2009 Ford Econoline



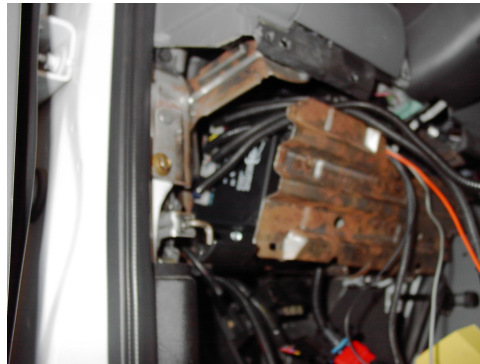
- Mount the Gateway module above the foam knee bolster which is attached to the lower dash panel.
- Secure the control module using 2-sided foam tape.
- Verify that the harnesses are routed such that the tilt steering column will not contact them in the full down position.
- When installing the harnesses, leave several inches of take out such that the lower dash panel can be removed if necessary.

Gateway Module Suggested Mounting – 2007-2008 Ford Econoline



- Mount the Gateway module above the foam knee bolster which is attached to the lower dash panel.
- Secure the control module using 2-sided foam tape.
- Verify that the harnesses are routed such that the tilt steering column will not contact them in the full down position.

Module Suggested Mounting – 2005-2006 Ford Econoline



- Mount the Gateway module on the left side of driver knee bolster bracket.
- Secure the control module behind the lower dash panel using 2-sided foam tape, self tapping screws, or wire ties.

GM/Chevy Applications Suggested Mounting

- There are several mounting options, however, the module must not be installed in the direct flow of heater ducts, or too close to the engine compartment, as excessive heat can cause the module to reset.
- Secure the control module in its mounting location using 2-sided foam tape or screws.

DATA LINK HARNESS (6-Pin Connector - Red)

- Locate the vehicle Data Link Connector. It will be mounted below the lower dash panel on the driver's side. (See photo).
- Ensure the connection is fully seated and secure with the supplied nylon wire tie.
- Check to see that the mounting for the black connector from the Gateway^{BMAI} Data Link Harness is where the vehicle OEM Data Link Connector originally was.
- Secure the Data Link Harness such that it does not hang below the lower dash panel.
- Plug the 6 pin connector from the Data Link Harness (red tape) into the connector labeled in red, "Data Link" on the Control Module.
- Attach the ground eyelet from the Data Link Harness to a known good ground.
- The white two pin connector in this harness is only used when installing lift interlock kit ILIS501-H5 for 2009 Ford Econoline.



CONTROL/LED DISPLAY PANEL (6-Pin Connector - Blue)

- Locate a suitable position on the dashboard, within view of the driver for the mounting of the Control/LED Display Panel. The length of the display harness is 40".
- This is the maximum distance the display can be from the Control Module.
- Drill a 3/4" hole in the dashboard where you wish the center of the display to be.
- Attach the blue taped end of the LED harness to the Control Module in the connector labeled in blue, "AFIS LED". Run the other end of the harness under the dash and out through the 3/4" hole.
- Attach the end of the display harness to the Control/LED Display Panel.
- Ensure panel is level, and secure using the supplied screws.



BrakeMax Harness–

- Locate the Ford connector C2135 (Tow Haul Mode Switch).
- Separate the connector and install the InterMotive (3-pin with green wire) T-harness.
- Route the wire harness and insert into the Gateway connector labeled "AUX I/O".

Reconnect vehicle battery.

Check system for proper operation (see Post-Installation Instructions).

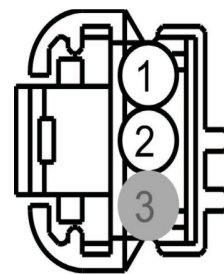
Technical inquiries – InterMotive Technical Support (530) 346-1801

Gateway^{BMAI} (GTWY820-B1 with BrakeMax) Tow Haul Mode Switch Wiring Instructions

Ford F-Series 5.4L, 6.4L, 6.8L 2008-2010

BrakeMax Harness–

- Locate the Ford connector C2255 (Tow Haul Mode Switch).
- Cut the connector ends off of the BrakeMax T-harness.
- Attach the AUX I/O Pin #2 Green wire to the Ford Connector C2255 (Tow Haul Mode Switch) Pin #2 Brown/Yellow wire using solder and heat shrink tubing.
- Route the wire harness and insert into the Gateway connector labeled “AUX I/O”.



Ford connector
C2255

Check system for proper operation (see Post-Installation Instructions).

Technical inquiries – InterMotive Technical Support (530) 346-1801