



Installation Instructions

Retrofit Power Back-Up Module Installation for AutoVue® and SafetyDirect® Processors:
 Kit K135088 for AutoVue® by Bendix Lane Departure Warning Systems (LDW), and
 Kit K135089 for the Bendix® Wingman® Fusion™ Driver Assistance System

Kit Contents

Description	Qty
Bendix power back-up module.	1
Mounting hook-and-loop strips . . . (Not included)	

PREPARATION AND INSTALLATION

The vehicle must be parked on level ground. Switch off the ignition and disconnect the battery.

Read and understand this document before beginning work. See the *General Safety Guidelines* on Page 2.

1. Locate the processor inside the cab by following the harness back from the camera, or see the Figures below for assistance.

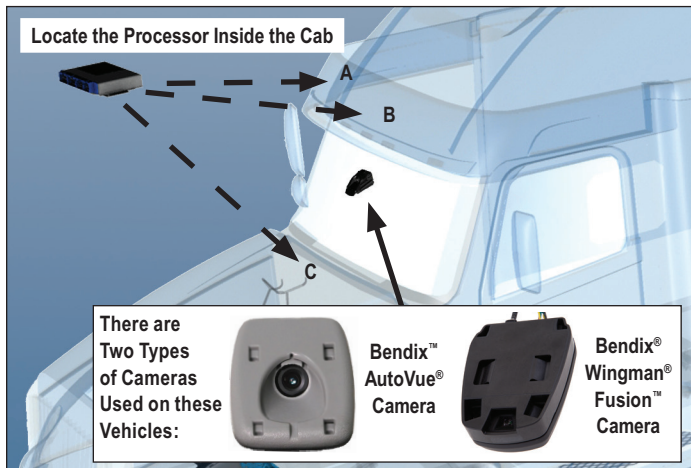


Figure 1 - Typical Processor Locations

2. Unplug the main harness from the processor.

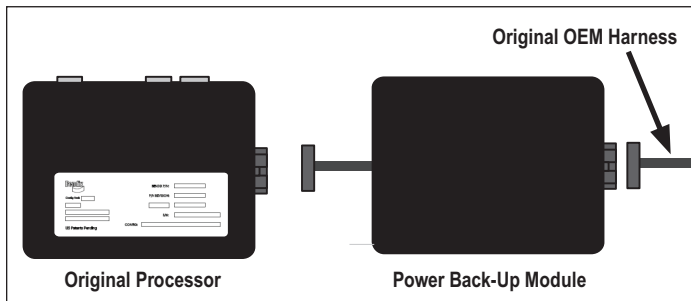


Figure 2 - Power Back-Up Modules are Installed In-Line

3. Attach the mounting strips to the power back-up module and select a suitable location next to – but not on top of – the original processor.
4. Install the harness from the power back-up module into the processor, and the original OEM harness into the power back-up module.

FINAL STEPS AND SYSTEM TESTING

Return all vehicle panels and wiring looms to their installed positions. Restore the battery connections.

When the vehicle power is switched on, the system will go through a self-test – and the speakers will chirp in order from the left- and right-side speakers respectively.

INSTALLATION NOTES BY VEHICLE OEM

Freightliner®: The typical location is A (See Figure 1).



Figure 3 - Freightliner Vehicle Processor Location

Kenworth® and Peterbilt®: The typical location is A (See Figure 1).



Figure 4 - Kenworth and Peterbilt Processor Location

Navistar® ProStar®: The typical location is B, in the central overhead area (See Figure 1).

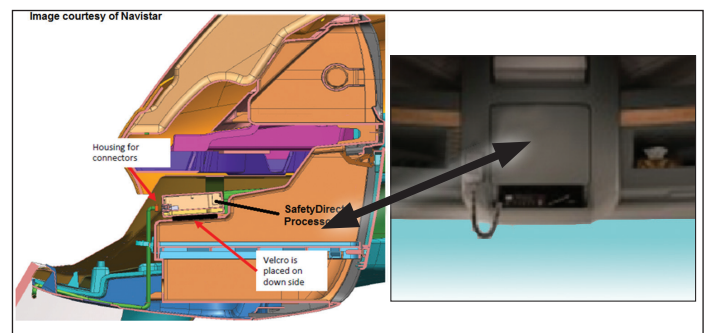


Figure 5 - Navistar Vehicle Processor Location

Volvo®: For Bendix® Wingman® Fusion™ Cameras, the typical in-cab processor location is A (overhead) (See Figure 1). For AutoVue® by Bendix CVS Cameras the processor location is C (in the dash). The overhead access is straightforward, but see below for the trim areas to remove to gain access to the in-dash processor.

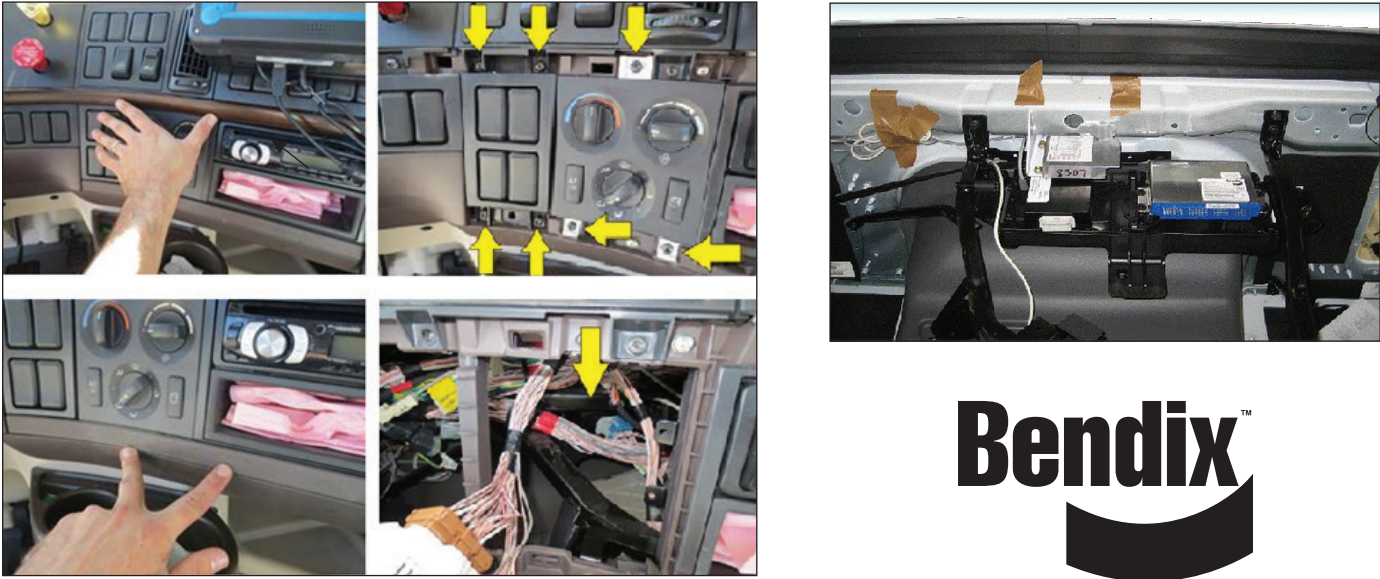


Figure 6 - Volvo Vehicle Processor In-Dash Location



GENERAL SAFETY GUIDELINES



WARNING! PLEASE READ AND FOLLOW THESE INSTRUCTIONS TO AVOID PERSONAL INJURY OR DEATH:



When working on or around a vehicle, the following guidelines should be observed AT ALL TIMES:

- ▲ Park the vehicle on a level surface, apply the parking brakes and always block the wheels. Always wear personal protection equipment.
- ▲ Stop the engine and remove the ignition key when working under or around the vehicle. When working in the engine compartment, the engine should be shut off and the ignition key should be removed. Where circumstances require that the engine be in operation, EXTREME CAUTION should be used to prevent personal injury resulting from contact with moving, rotating, leaking, heated or electrically-charged components.
- ▲ Do not attempt to install, remove, disassemble or assemble a component until you have read, and thoroughly understand, the recommended procedures. Use only the proper tools and observe all precautions pertaining to use of those tools.
- ▲ If the work is being performed on the vehicle's air brake system, or any auxiliary pressurized air systems, make certain to drain the air pressure from all reservoirs before beginning ANY work on the vehicle. If the vehicle is equipped with a Bendix® AD-IS® air dryer system, a Bendix® DRM™ dryer reservoir module, or a Bendix® AD-9si® air dryer, be sure to drain the purge reservoir.
- ▲ Following the vehicle manufacturer's recommended procedures, deactivate the electrical system in a manner that safely removes all electrical power from the vehicle.
- ▲ Never exceed manufacturer's recommended pressures.
- ▲ You should consult the vehicle manufacturer's operating and service manuals, and any related literature, in conjunction with the Guidelines above.
- ▲ Never connect or disconnect a hose or line containing pressure; it may whip and/or cause hazardous airborne dust and dirt particles. Wear eye protection. Slowly open connections with care, and verify that no pressure is present. Never remove a component or plug unless you are certain all system pressure has been depleted.
- ▲ Use only genuine Bendix® brand replacement parts, components and kits. Replacement hardware, tubing, hose, fittings, wiring, etc. must be of equivalent size, type and strength as original equipment and be designed specifically for such applications and systems.
- ▲ Components with stripped threads or damaged parts should be replaced rather than repaired. Do not attempt repairs requiring machining or welding unless specifically stated and approved by the vehicle and component manufacturer.
- ▲ Prior to returning the vehicle to service, make certain all components and systems are restored to their proper operating condition.
- ▲ For vehicles with Automatic Traction Control (ATC), the ATC function must be disabled (ATC indicator lamp should be ON) prior to performing any vehicle maintenance where one or more wheels on a drive axle are lifted off the ground and moving.
- ▲ The power MUST be temporarily disconnected from the radar sensor whenever any tests USING A DYNAMOMETER are conducted on a vehicle equipped with a Bendix® Wingman® system.