

Installation Instructions



Bendix® Intellipark® Park Valve Module (PVM) Replacement

GENERAL

This document provides the instructions for removing and replacing a Bendix® Intellipark® Park Valve Module (PVM).

REMOVING THE PARK VALVE MODULE (PVM)



Refer to the *General Safety Guidelines* in this document before performing any service.

1. Prior to removing a PVM, apply the park brakes and drain all the vehicle reservoirs.
2. Identify, mark, and disconnect all air lines to the PVM. Push-to-connect fittings require the collar to be pressed toward the valve body before the nylon line can be pulled.
3. Identify, mark, and disconnect all electrical connectors from the PVM.
4. Remove the mounting hardware and remove the PVM from the vehicle. Reuse of the mounting hardware is acceptable.

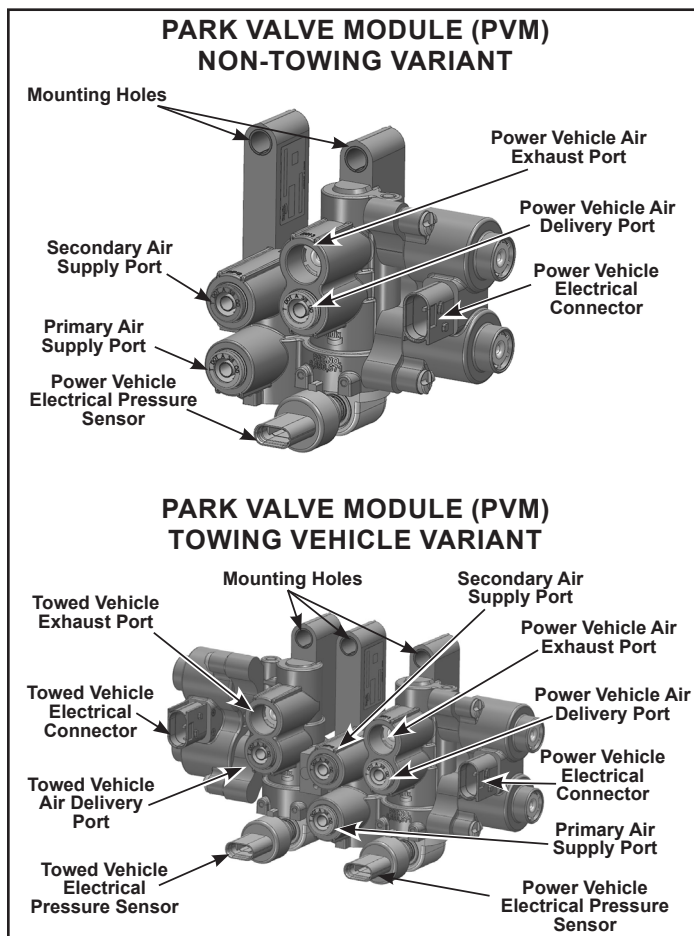


Figure 1 – PVM Variants

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, a Bendix® AD-9si®, AD-HF®, or AD-HFi™ 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.
- ▲ 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.
- ▲ You should consult the vehicle manufacturer's operating and service manuals, and any related literature, in conjunction with the guidelines above.

INSTALLING THE PARK VALVE MODULE (PVM)



The Park Valve Module (PVM) must be mounted as described in this section to minimize the possibility of accumulated debris on the exhaust ports. The exhaust ports must have a minimum of 1-in. clearance from all obstructions. The exhaust ports must not be covered or painted over.

If replacing the PVM, use the same mounting location and – if necessary – bracketry/mounting hardware as installed by the Original Equipment Manufacturer (OEM). The PVM is designed to be secured to a bracket or the chassis using either 5/16 or M8 bolts.

1. Install the PVM on the vehicle by tightening the mounting bolts to 150-200 in.-lb (17-23 N•m).
2. Reconnect the air lines and electrical connectors.
3. Charge the reservoirs. Check for operation and leakage. Refer to *b2bendix.com* for Bendix® Intellipark® Electronic Park Brake (EPB) System Service Data Sheet (SD-03-1189) and system operation.

TECHNICAL SUPPORT

For additional assistance, contact the Bendix Tech Team by email at techteam@bendix.com or by phone at 1-800-AIR-BRAKE (1-800-247-2725), option 2. Bendix Tech Team representatives are available Monday through Thursday, 8:00 a.m. – 6:00 p.m., and Friday, 8:00 a.m. – 5:00 p.m. ET.

