

Installation Instructions



Brake Pedal Replacement Service Kit

KIT COMPONENTS

This service kit (Bendix part number K040347) includes the following components:

- Brake Pedal Assembly
- 3/8-in. Locknut
- E-ring Retaining Ring
- 3/8-in. Flat Washer

REMOVING THE BRAKE PEDAL

See Figure 1.

NOTE: The pivot shaft is not shown in Figure 1.

1. Disconnect the power source to the vehicle (battery power).
2. Remove the cotter pin (or Rue Ring™) from the clevis pin that connects the brake pedal and the push rod (or HydroMax® yoke).
3. Remove the clevis pin. The brake pedal should now rotate freely. **NOTE:** For hydraulic brake applications, there is a brake switch that is attached by the clevis pin. The brake switch can hang from the wire harness with no detrimental effect.
4. Remove the 3/8-16 x 2-in. SEMS screw that acts as a pedal stop. Backing out the screw to clear the brake pedal is sufficient.
5. Remove the e-clip from the outside edge of the brake pedal pivot shaft.
6. Remove the 3/8-in. flanged locknut from the brake pedal pivot shaft.
7. Remove the 3/8-in. flat washer (if used) from the brake pedal pivot shaft.
8. Remove the brake pedal from the assembly by sliding it off of the pivot shaft.

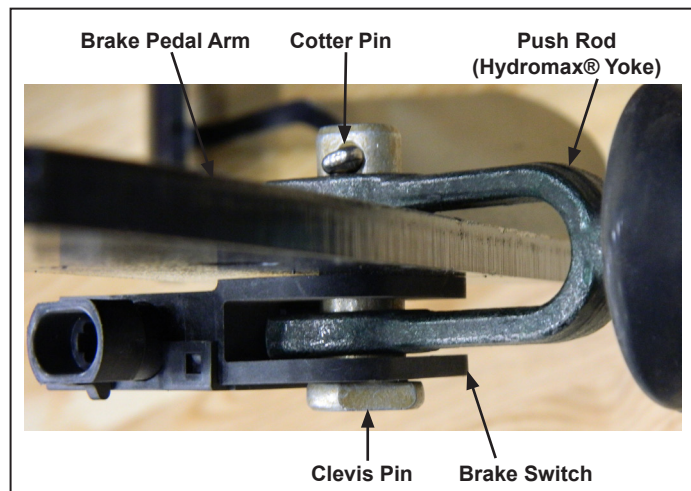


Figure 1 – Brake Pedal Components

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.

REINSTALLING THE BRAKE PEDAL

NOTE: Use the new parts included in this kit.

NOTE: The pivot shaft is not shown in Figure 1.

See *Figure 1*.

1. Position the new brake pedal on the pivot shaft .
2. Install the new 3/8-in. flat washer onto the pivot shaft.
3. Install the new 3/8-in. flanged locknut onto the threaded portion of the pivot shaft. Torque to 225 - 275 in.-lbs (25 - 31 N•m).
4. Install the new e-clip by pressing it onto the groove on the end of the pivot shaft.
5. Engage the brake pedal arm with the push rod (or HydroMax® yoke).
6. For hydraulic brake applications, position the brake switch with the connector oriented upward on the inboard arm of the push rod yoke (or Hydromax yoke). Install the clevis pin through the brake switch, through the push rod yoke (or HydroMax yoke), and through the brake pedal arm.
7. For pneumatic brake applications, install the clevis pin through the push rod yoke (or HydroMax yoke) and through the brake pedal. Secure the clevis pin with the cotter pin (or Rue Ring™). Bend the legs of the cotter pin to prevent losing it.
8. Reconnect the power source to the vehicle (battery power).

For direct telephone technical support, contact the Bendix Tech Team at 1-800-AIR-BRAKE (1-800-247-2725), option 2. 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. For assistance, follow the instructions in the recorded message. You can also reach the Bendix Tech Team by email at techteam@bendix.com.

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