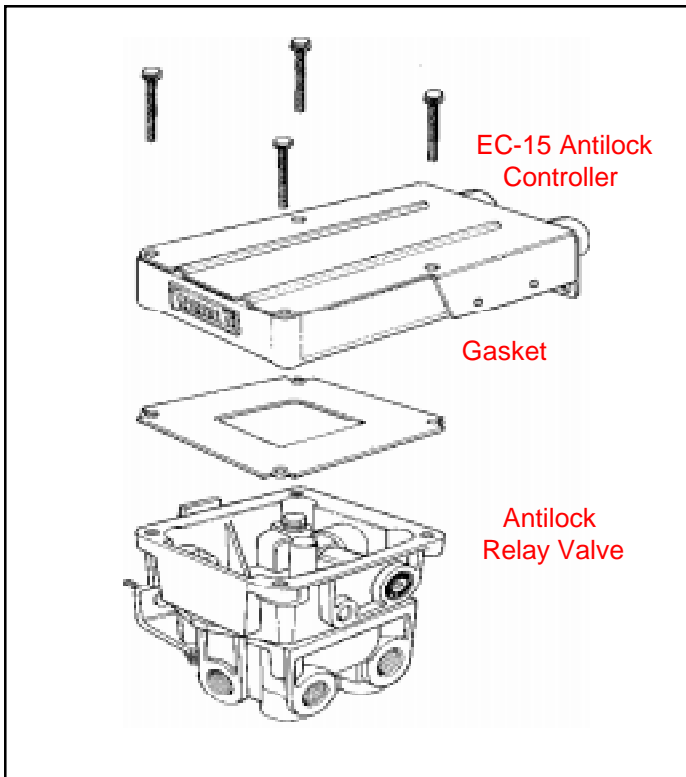




# Installation Instructions

## EC-15 ANTILOCK CONTROLLER



CR-15 Controller Relay Assembly

This kit contains the following parts;

Qty.	Description
1	EC-15 Antilock Controller
1	Gasket
1	Installation Instruction Sheet
1	Antilock Troubleshooting Pamphlet

### **IMPORTANT! PLEASE READ AND FOLLOW THESE INSTRUCTIONS TO AVOID PERSONAL INJURY OR DEATH:**

When working on or around a vehicle, the following general precautions should be observed **at all times**.

1. Park the vehicle on a level surface, apply the parking brakes, and always block the wheels.
2. Stop the engine when working around the vehicle.
3. If the vehicle is equipped with air brakes, make certain to drain the air pressure from all reservoirs before beginning ANY work on the vehicle.

4. Following the vehicle manufacturer's recommended procedures, deactivate the electrical system in manner that removes all electrical power from the vehicle.
5. When working in the engine compartment the engine should be shut off. 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.
6. Never connect or disconnect a hose or line containing pressure; it may whip. Never remove a component or plug unless you are certain all system pressure has been depleted.
7. Never exceed recommended pressures and always wear safety glasses.
8. 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.
9. Use only genuine Bendix replacement parts, components, and kits. Replacement hardware, tubing, hose, fittings, etc. should be of equivalent size, type, and strength as original equipment and be designed specifically for such applications and systems.
10. Components with stripped threads or damaged parts should be replaced rather than repaired. Repairs requiring machining or welding should not be attempted unless specifically approved and stated by the vehicle or component manufacturer.
11. Prior to returning the vehicle to service, make certain all components and systems are restored to their proper operating condition.

### **REMOVING THE EC-15 CONTROLLER ASSEMBLY EC-15 MOUNTED ON ANTILOCK RELAY VALVE**

1. Identify and remove all air lines connected to the unit.
2. Disconnect the electrical connector(s) from the EC-15.
3. Note and mark the mounting position of the Controller/Relay valve assembly on the vehicle. Loosen, remove and save the nuts on the mounting hardware that attaches the controller relay assembly bracket to the vehicle. Remove the relay valve and EC-15 controller assembly from the vehicle.
4. Remove as much contamination as possible from the exterior of the assembly making sure to keep the contamination away from the open ports of the relay valve portion.

5. Note and mark the position of the EC-15 relative to the antilock relay valve. Remove and retain the four cap screws that secure the EC-15 to the antilock relay valve. Carefully separate the EC-15 from the antilock relay valve. Peel the gasket from the EC-15 or antilock relay valve and discard.

#### **BRACKET MOUNTED EC-15**

1. Disconnect the electrical connector(s) from the EC-15.
2. Note and mark the mounting position of the EC-15 on the vehicle. Loosen, remove and save the nuts on the mounting hardware that attaches the EC-15 controller bracket to the vehicle. Remove the EC-15 controller and bracket from the vehicle.
3. Remove and retain the four cap screws that secure the EC-15 to the bracket. Separate the EC-15 from the bracket.

#### **INSTALLING THE EC-15 CONTROLLER ASSEMBLY EC-15 MOUNTED ON ANTILOCK RELAY VALVE**

1. After noting the relationship of the positioning marks made prior to disassembly, position the gasket on the EC-15 then secure the EC-15 to the antilock relay valve using the four cap screws. Torque the cap screws to 50-80 pound inches.
2. Mount the assembled EC-15 and antilock relay valve on the vehicle and orient it in the position marked prior to removal.
3. Reconnect all air lines to the assembly making certain that thread sealer does not enter the valve.
4. Reconnect the electrical connector(s) to the EC-15.
5. Test the antilock relay valve for operation and leakage prior to placing the vehicle in service.
6. Perform the "Initial Start-up Procedure" in the TROUBLE SHOOTING pamphlet, included with this replacement, to assure proper antilock system operation.

#### **BRACKET MOUNTED EC-15**

1. Secure the EC-15 to its bracket using the four cap screws. Torque the cap screws to 50-80 pound inches.
2. After noting the positioning marks, mount the EC-15 on the vehicle using the mounting hardware retained during removal.
3. Connect the electrical connector(s) to the EC-15.
4. Perform the "Initial Start-up Procedure" in the TROUBLE SHOOTING pamphlet, included with this replacement, to assure proper antilock system operation.