

BendPak Technical Service Bulletin

Pipe Bender 1302BA/BAS Solenoid Valve Replacement

BendPak TSB 191 - 112025

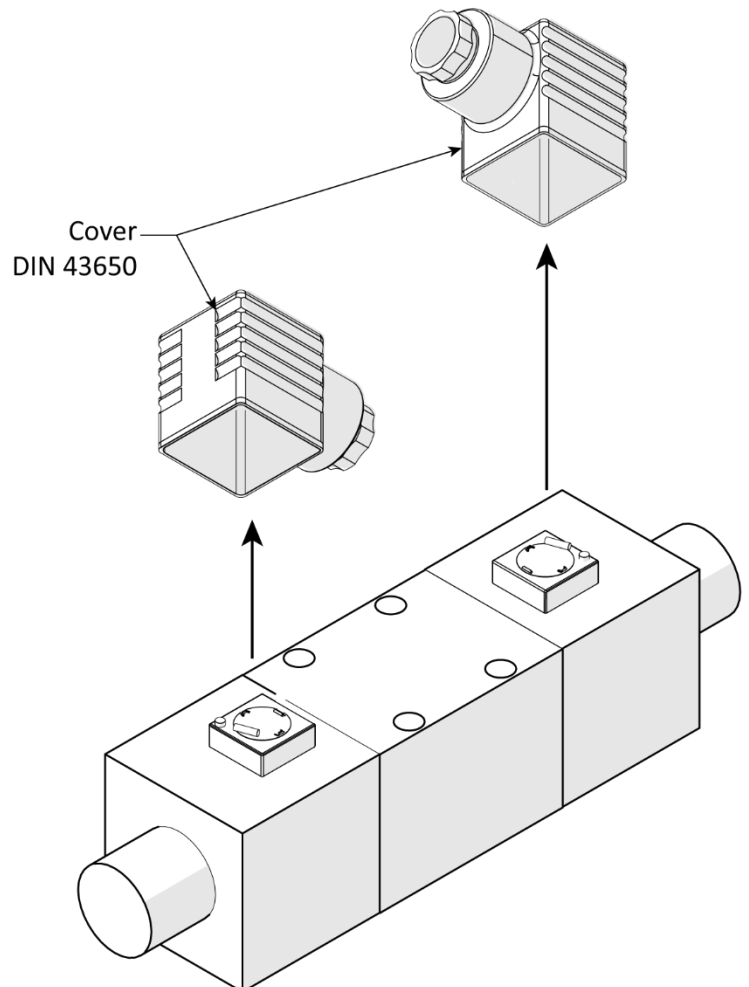
This Technical Service Bulletin applies to BendPak **1302BA** and **1302BAS** Pipe Benders and addresses the installation of a replacement hydraulic solenoid valve controlling the top cylinder's extension/retraction function. This valve is located on the rear of the bender just below the oil filter.

Tools required:

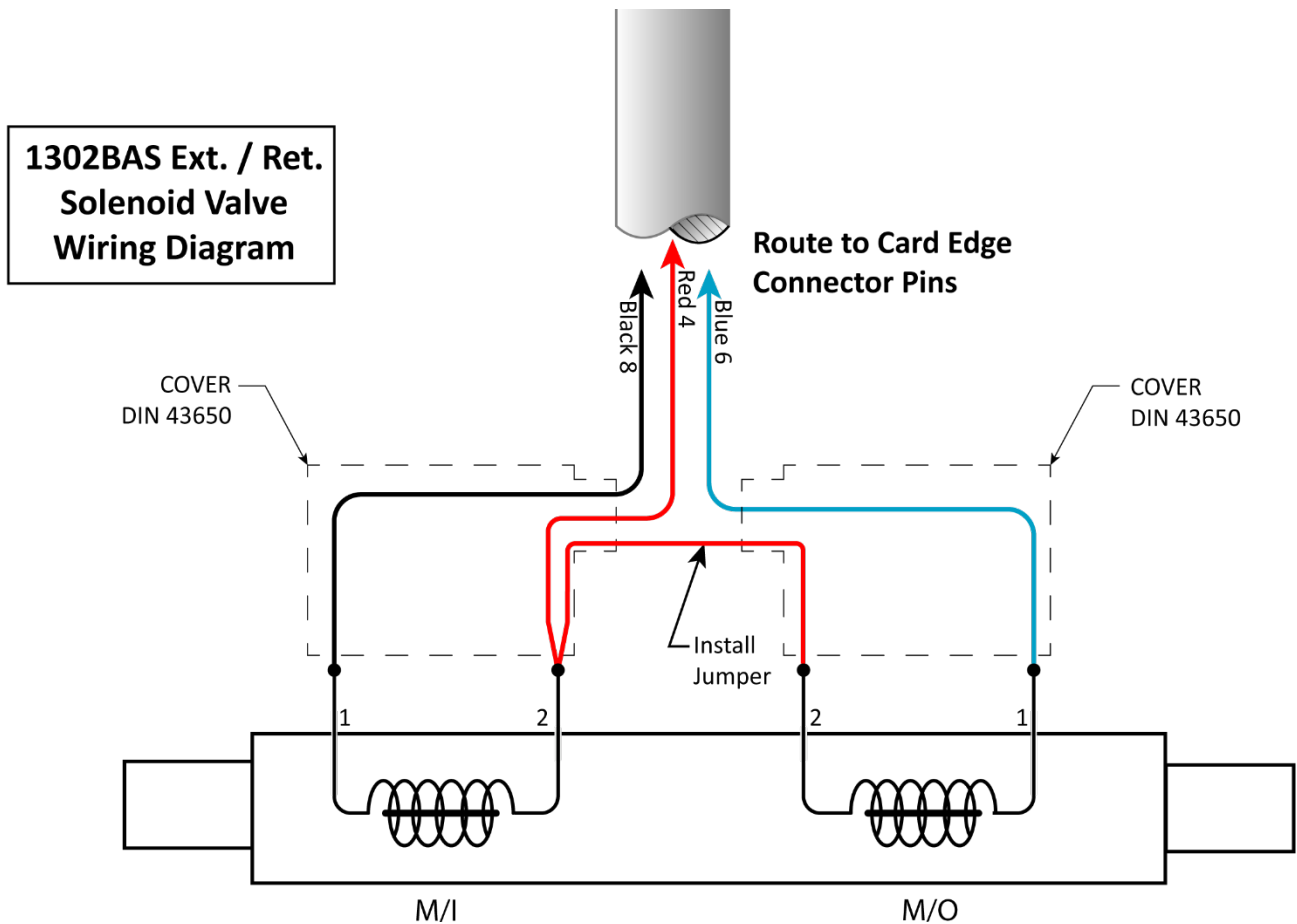
- Screwdrivers
- Wire strippers
- Shop towels
- Open end wrenches
- A short piece of 18AWG stranded, PVC insulated wire. Approximately 6-in. (152 mm) long.

To replace the hydraulic valve:

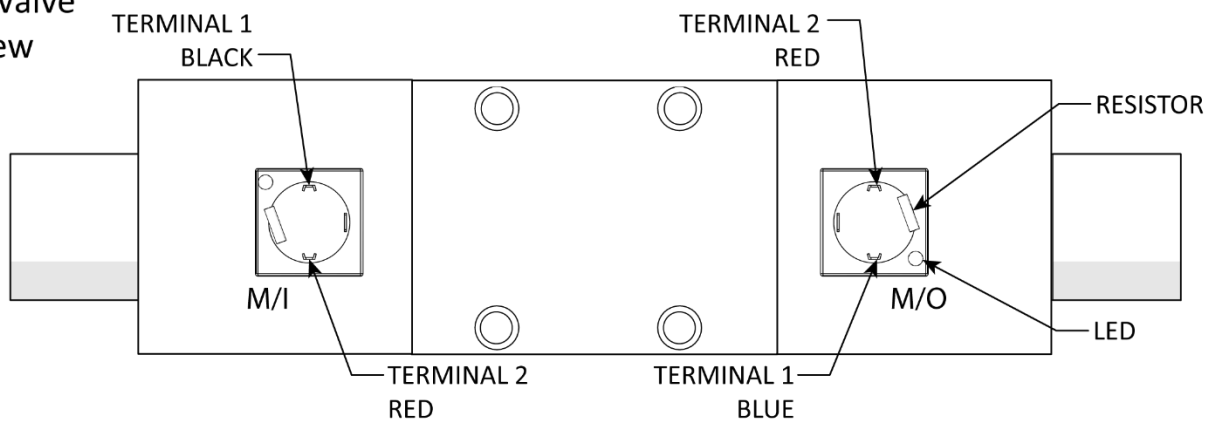
1. Remove and lock out electrical power from the bender.
2. Remove the electrical connections on the existing hydraulic valve. The **1302BAS** Bender will be connected with a 3-conductor cable with red, blue, and black wires. The **1302BA** Bender will have a 3-conductor cable with red, white and black wires. This cable provides control voltages to the valve.
3. Remove the existing hydraulic connections to the valve.
4. Remove the existing valve from the bender and discard in accordance with national and local regulations.
5. Strip back about 6-in. (152 mm) of the cable insulation to expose the wires.
6. Retrieve the replacement solenoid valve 5590145 and its fasteners.
7. Loosen the screws securing the DIN 43650 covers from each side of the valve and remove both covers.



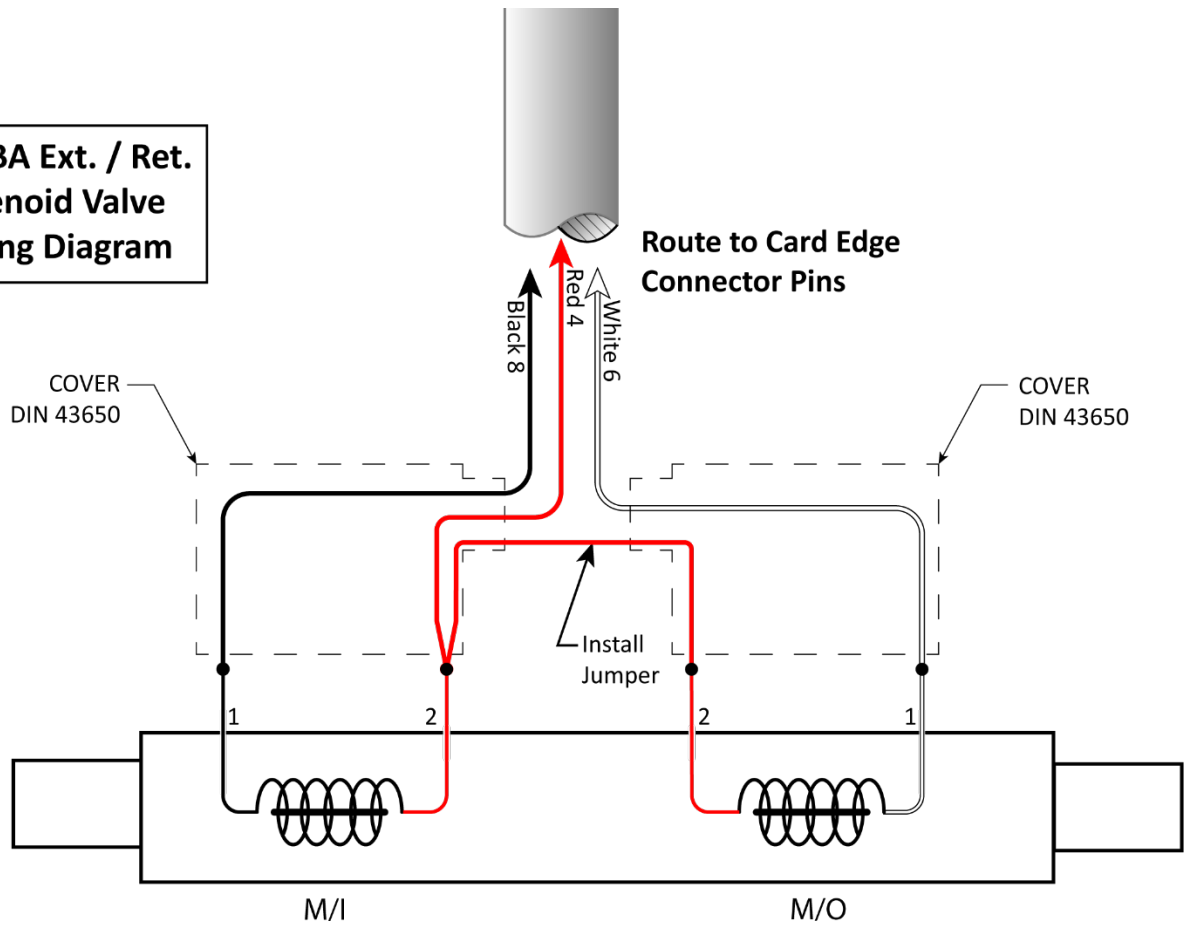
8. Feed the wires through the covers.
9. Attach the wires to the terminals on each solenoid as detailed in the figures below. Note the differences in connections between the **1302BA** and **1302BAS**.
10. Connect a jumper from terminal 2 on one plug to terminal 2 on opposite plug as shown in the figure below. Allow enough wire for a small service loop.



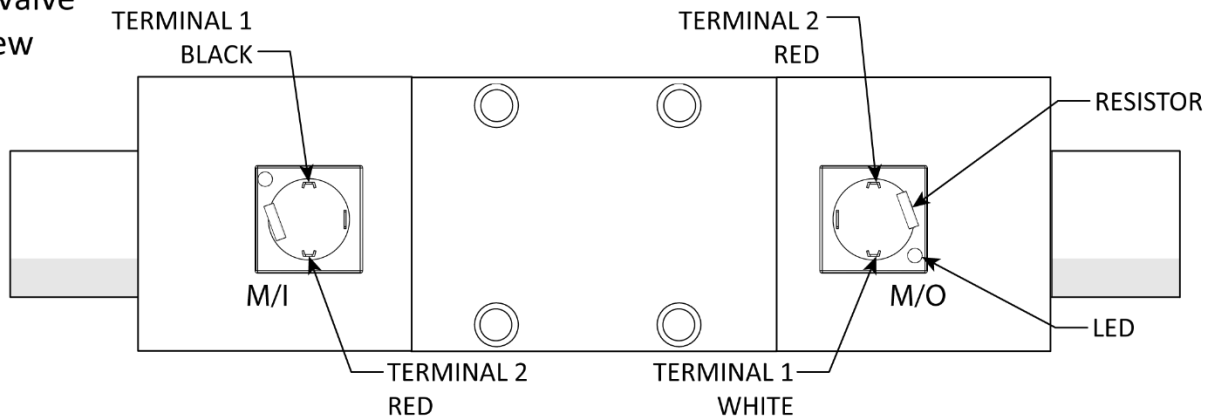
Ext. / Ret.
Solenoid Valve
Top View



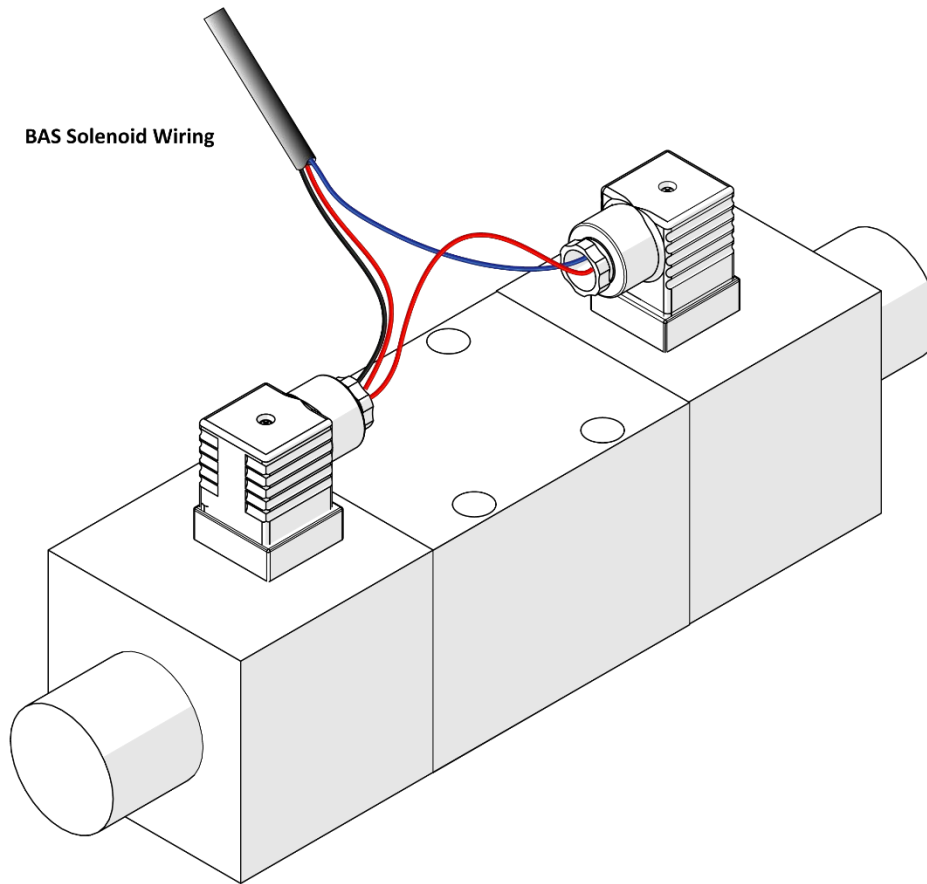
**1302BA Ext. / Ret.
Solenoid Valve
Wiring Diagram**



**Ext. / Ret.
Solenoid Valve
Top View**



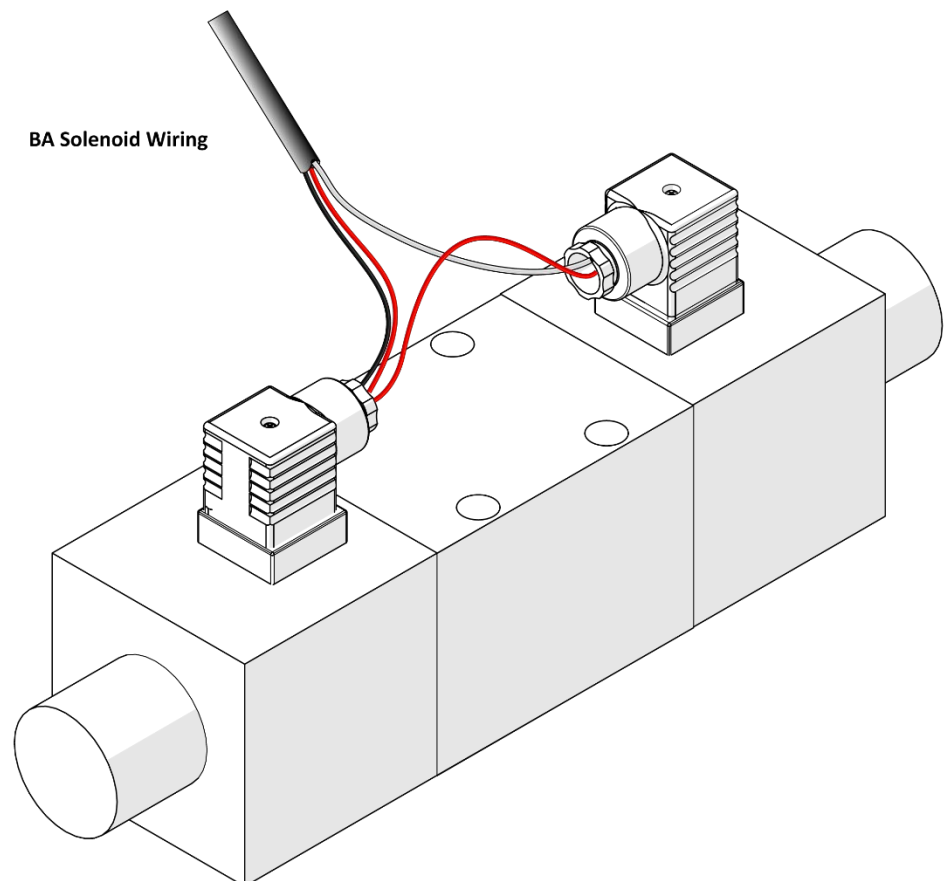
11. Replace the DIN 43650 covers and secure with the screws.



12. Mount the valve onto the Bender and secure with the four socket cap fasteners provided.

13. Connect the hydraulic hoses to the valve.

14. Return power to the Bender and test the top cylinder for correct function.



If you experience difficulties with your Pipe Bender, technical support and service is available from your dealer, on the Web at bendpak.com/support, by email at support@bendpak.com, or by phone at **(800) 253-2363**, follow the prompts to reach service. Online chat is also available at www.bendpak.com