

BendPak Technical Service Bulletin

Model – 9APF Cylinder Shim – Existing Installation

BendPak TSB 208 - 052026

This Technical Service Bulletin describes the procedure for installing a cylinder shim between each 9APF lift cylinder and its support on both lift posts. This procedure is required to prevent the lift cylinder from contacting the chain connector inside the lift head during normal operation. This bulletin applies to all existing installations of the 9APF Low-Rise Two-Post Lifts, assembly 5260722 Ver. A Rev. L and all previous revisions shipped with Installation and Operation Manual 5900388 Rev. A1 and earlier.

Tools and Supplies Required:

- Cylinder Shim 2 ea. (5701997)
- Safety stands or equivalent
- Socket set
- Shop towels

PPE Required:

Always wear the proper Personal Protective Equipment (PPE) when working on this Lift. At a minimum, wear leather gloves, or nitrile/neoprene gloves when handling hydraulic fluid, safety glasses, and steel-toe boots.

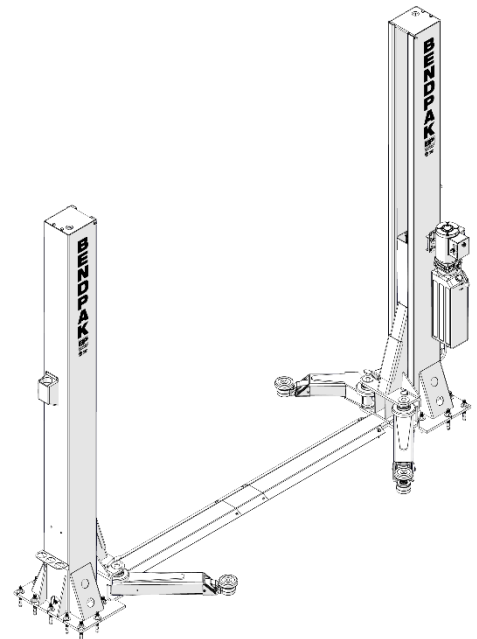
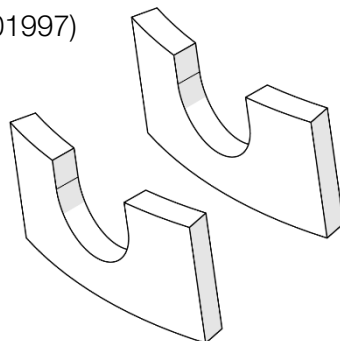
⚠ DANGER Pinch hazard. Keep your hands and fingers clear of pinch hazards between the cylinder, its support and pedestal.

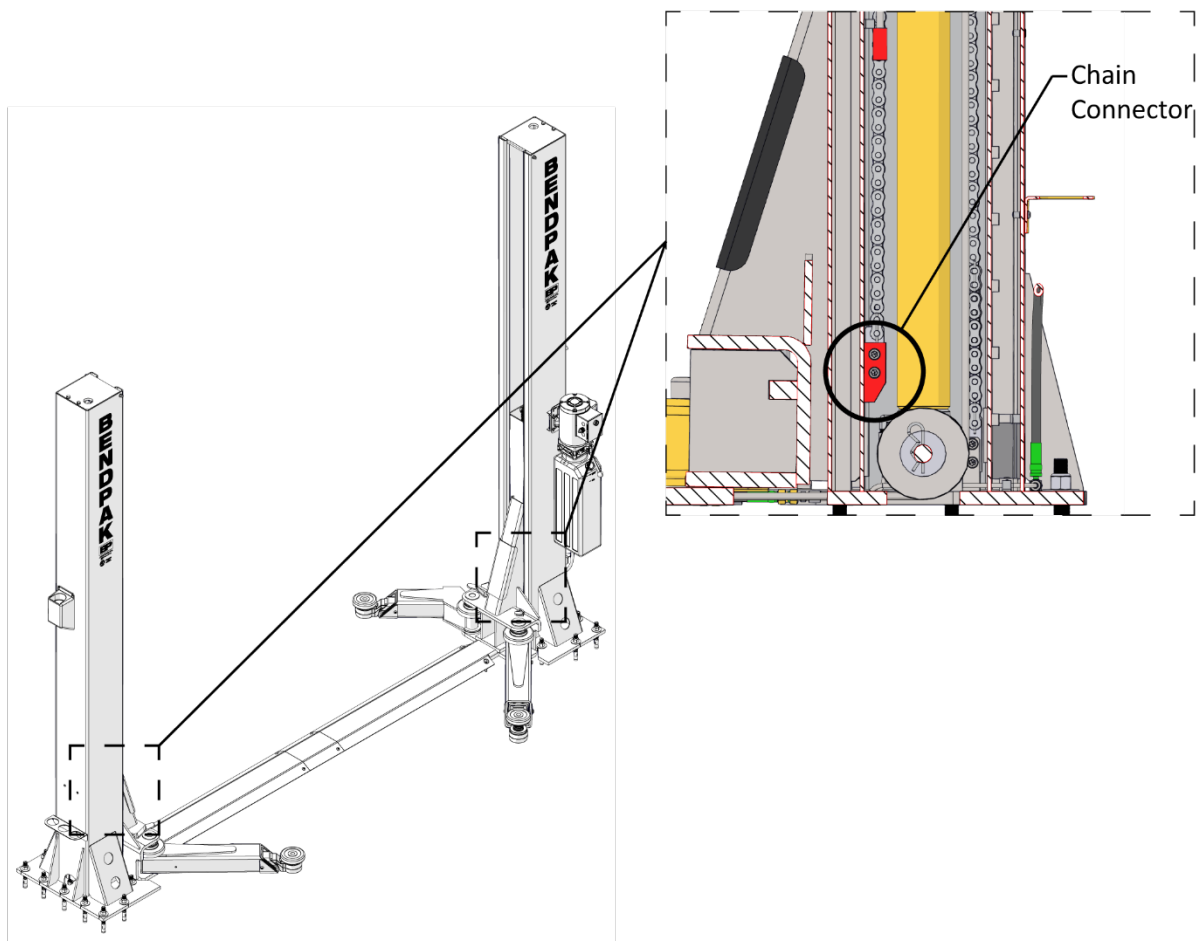
⚠ DANGER Lockout/Tagout of electrical power is required before proceeding with this service.

⚠ DANGER Support the lift arms with approved stands before working beneath or around moving components. Never place any part of your body under unsupported components.

⚠ WARNING **California Proposition 65.** This product can expose you to chemicals including styrene and vinyl chloride which are on the list of over 900 chemicals identified by the State of California to cause cancer, birth defects, or reproductive harm. **ALWAYS** use this product in accordance with BendPak's instructions. For more information go to www.P65Warnings.ca.gov.

Cylinder Shim (5701997)
Set of 2





Install the Cylinder Shims

1. Read and understand the entire procedure before beginning.
2. Gather the required tools, supplies, and personal protective equipment.
3. Remove any vehicles from the lift. Verify the Lift area is clean and clear of obstructions, tools, debris, and personnel.
4. Apply power to the Lift.
5. Press and hold the up button to raise the Lift until the lift head passes the first safety lock. A distinct metallic thump will be heard. Release the up button after passing the first safety lock.
6. Press and hold the lowering handle. When the lift arms cease to lower, continue holding the lowering handle in for an additional 10 seconds. There should be visible slack between the lift chain and the roller.
7. Place safety stands under the lift arms.

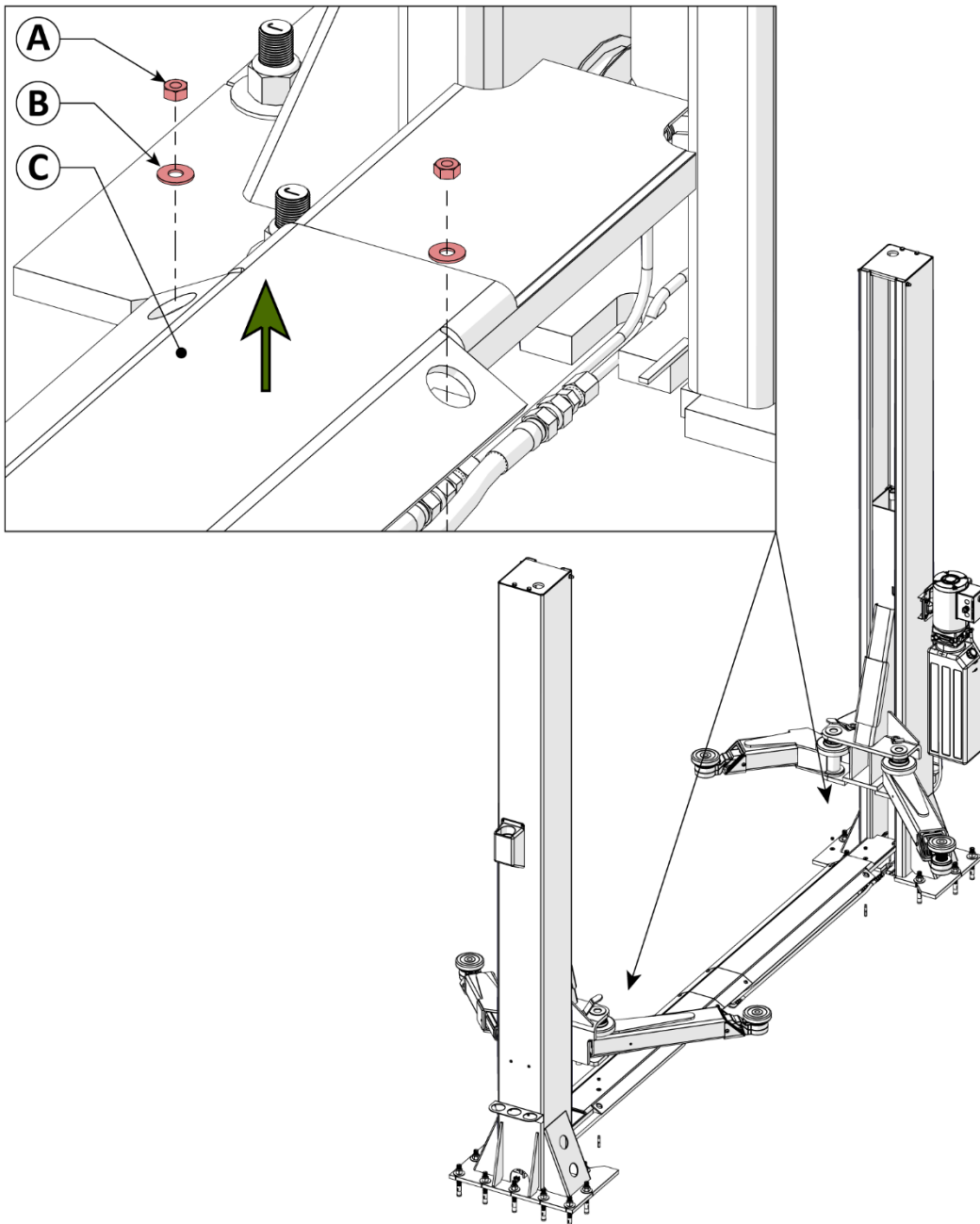
⚠ DANGER Use properly rated safety stands or their equivalent under the lift arms. Verify the Lift is fully engaged on its safety locks before working under moving components.

8. Remove power from the Lift.

⚠ WARNING Lockout/Tagout the electrical power is required before proceeding with this service.

9. Loosen and remove the nut (item A) and washer (item B) securing the floor plate. Place the nuts and washers in a safe location. They will be returned to the floor plate later in the procedure.
10. Lift the floor plate clear of the Lift. Move the floor plate well clear of the work area.

Item	Part Number	Description	Qty.
A	5250385	Nut	4
B	5250385	Flat Washer	4
C	5216316	Floor Plate Assembly	1



WARNING!

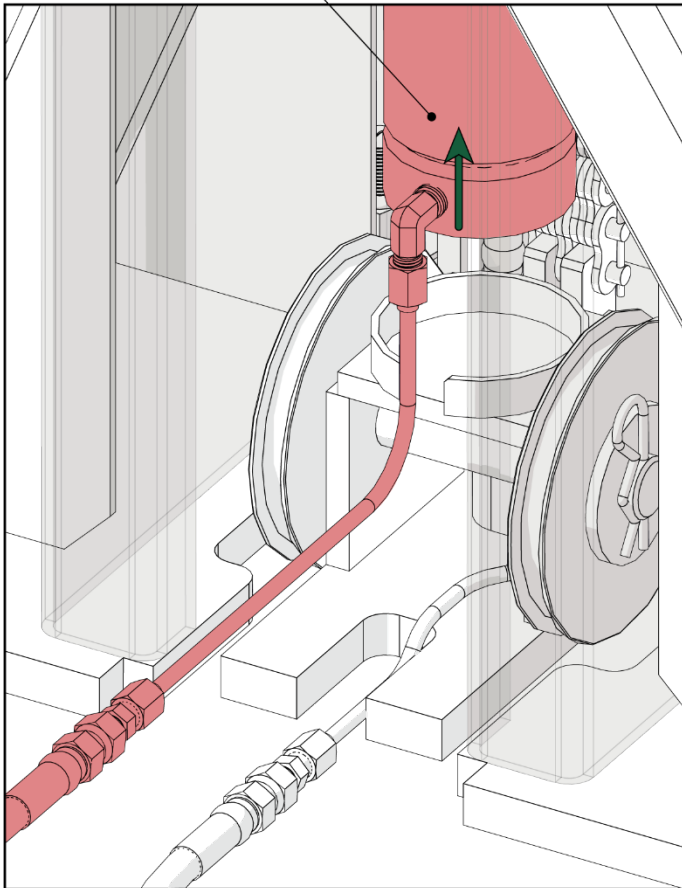
Support the hydraulic hose and hard line while lifting the cylinder. DO NOT bend or otherwise damage the hydraulic lines.

11. Manually lift the cylinder until clear of its pedestal and support, then carefully lower it onto the cylinder support and allow it to rest in this position.

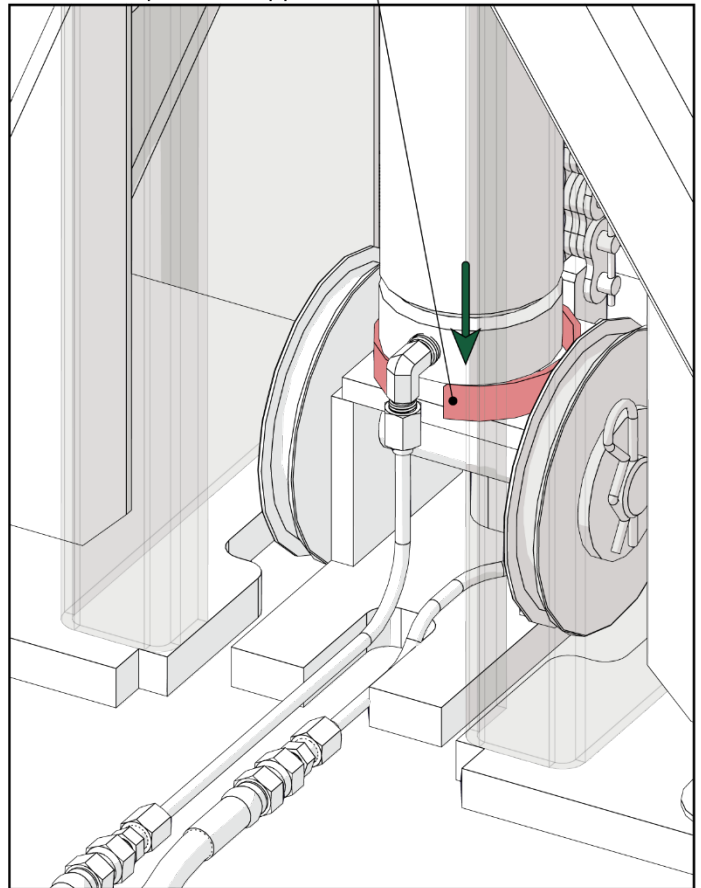


⚠ DANGER Pinch/crush hazard. Keep hands and fingers clear of the cylinder, support and pedestal.

Lift the cylinder tube and hose assemblies



Lower the cylinder to rest on top of the support

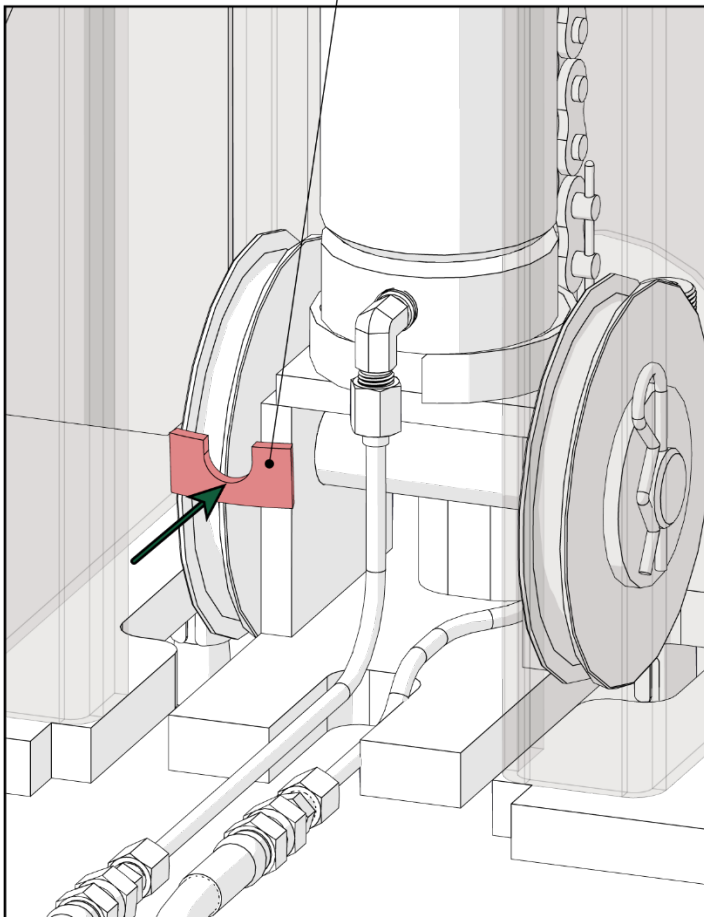


12. Retrieve one cylinder shim (5701997).
13. Hold the shim against the cylinder under the hydraulic fitting.
14. Carefully raise and then lower the cylinder with its shim back into its pedestal and support.

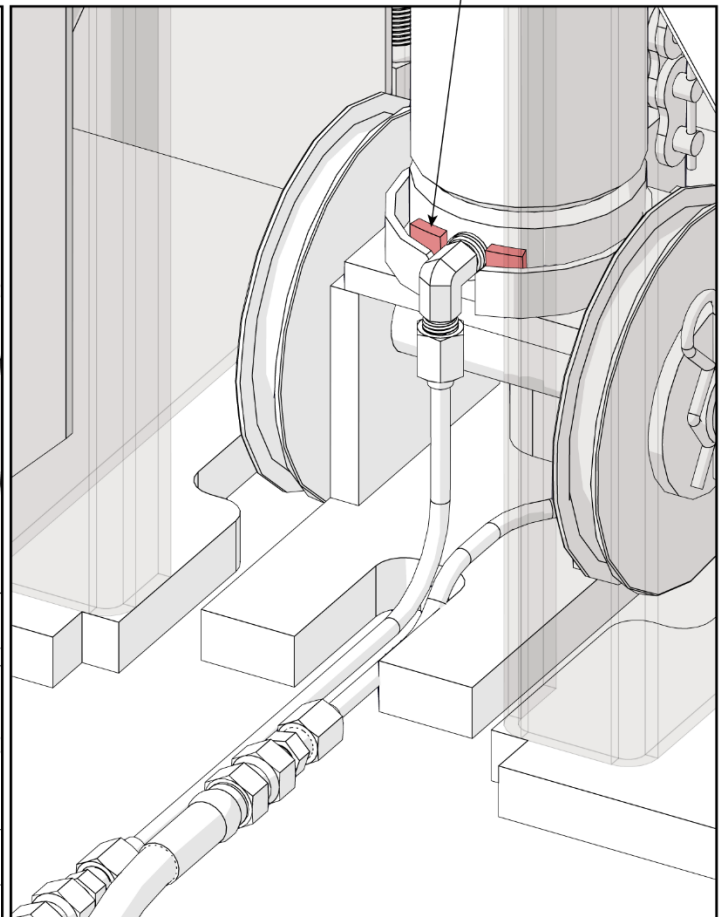


⚠ DANGER Pinch/crush hazard. Keep hands and fingers clear of the cylinder, support and pedestal.

Cylinder shim (5701997)



Cylinder shim installed



15. ***Repeat steps 11 through 14 on the opposite post.***
16. Carefully inspect all hydraulic hoses, fittings, and connections for damage or leaks.

⚠ DANGER Do NOT operate the Lift if hoses, fittings or hard lines are damaged.

NOTE: Do not return the floor plate until step 25. This allows observation of the hoses and connections during the initial function test.

17. Verify personnel are clear of the Lift area.

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18. Verify all tools are clear of the area.
 19. Unlock, then apply power to the Lift.
 20. Press the up button until the lift arms move off the first safety lock.
 21. Remove the safety stands from under the lift arms.
 22. Hold in the safety release and lowering valve handles at the same time until the lift arms rest on the ground.
 23. Push the up button and raise the lift arms to verify operation up to its top lock, then allow the Lift to descend. Observe the hydraulic hoses and connections for leaks while the Lift is ascending and descending.

Accept/Reject Criteria:

- There shall be no contact between the lift chain connection point inside the lift head and the lift cylinder throughout its full range of travel.
 - If the chain connection point is still contacting the lift cylinder, 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.
24. If the Lift ascends and descends without binding, squeaking, or shaking, then proceed to returning the floor plate.
 25. Return the floor plate to protect the hydraulic hoses and connections.
 26. Secure the floor plate with the four hex nuts and flat washers previously removed (items A & B on page 2).
 27. Return the Lift to normal operation only after a successful full-cycle up and down test of the Lift has been accomplished.

If you experience difficulties with your 9APF 2-Post Lift, technical support is available from your dealer, on the Web at bendpak.com/support, by email at techsupport@bendpak.com, or by phone at **(800) 253-2363**, follow the prompts to reach service.

Online chat is also available at www.bendpak.com