

BendPak Technical Service Bulletin

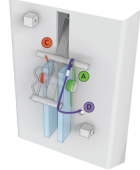
Redundant Springs Removal

BendPak TSB 188 - 112025

This Technical Service Bulletin describes the removal of the redundant springs found on some four and two post Lifts which are installed to reach CE compliance. These springs act as backups for systems which already either have or are themselves backups, and are thus unnecessary. In some cases, they may impede proper functioning of some Lifts, making the effort required to disengage the safeties higher than comfortable or efficient. In the case of Lifts not required by local or national standards to retain these springs, our technicians often recommend they be removed.

Procedure A addresses removing and replacing the springs on a two-post Lift.

Offside Post Safety
(Cover Removed)



Powerside Post Safety
(Cover Removed)



- A** Safety spring to *retain*
- C** Safety *redundant* spring
- B** Safety Cable

Identify **C** Slack Safety spring to *remove*; it is on the *clevis-pin* side of the safety handle

! Redundant spring removal procedure is identical on both safeties, and so is illustrated on only one - the Powerside Post Safety with the Handle.

Safety Cover removed - components omitted or ghosted for clarity.

Remove **B** clevis-pin to free redundant safety spring to slide.

Remove **A** redundant safety spring.

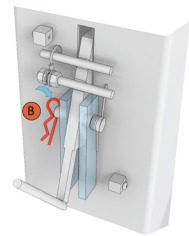
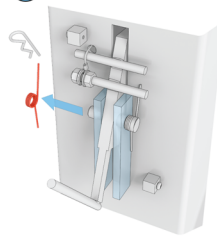
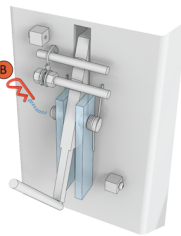
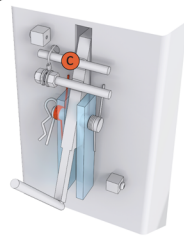
Re-install **B** clevis-pin.

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!! Note:

Redundant Safety Springs are installed to *satisfy a CE requirement*, acting as *backups* in case of highly-unlikely failures of the Safety Spring.

They are in *no* way essential to the safe functioning of this Lift, and are *completely* redundant.

Procedure B addresses removing and replacing the springs on a four-post Lift.

!! Note:

Redundant Safety Springs are installed to *satisfy a CE requirement*, acting as *backups* in case of highly-unlikely failures of the Slack Safety Spring or the internal spring mechanism of the Primary Safety's Air Cylinder.

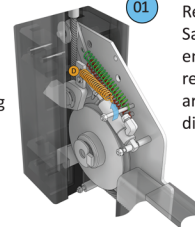
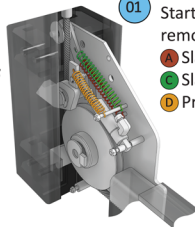
They are in *no* way essential to the safe functioning of this Lift, and are *completely* redundant, and so can be safely removed to improve ease-of-use of this Lift.

01

Starting condition *before* removing redundant springs:
A Slack Safety spring to *retain*
C Slack Safety *redundant* spring
B Primary Safety *redundant* spring

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Remove the redundant **B** Primary Safety Spring by pulling the hook end outward then up from the bolt; remove other hook end from the arm of the Primary Safety. Store or dispose of safely.



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Starting condition *before* removing redundant Slack Safety spring:
A Slack Safety spring to *retain*
C Slack Safety *redundant* spring

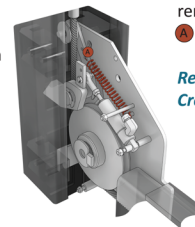
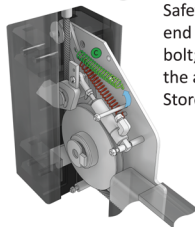
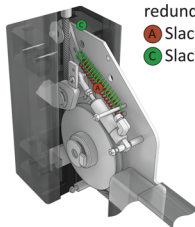
01

Remove the redundant **C** Slack Safety Spring by pulling the hook end outward then up from the bolt; remove other hook end from the arm of the Primary Safety. Store or dispose of safely.

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Ending condition *after* removing redundant springs:
A Slack Safety spring *retained*

Repeat these steps for each Crosstube Safety Assembly.



If you experience difficulties with your Bendpak lift, 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

