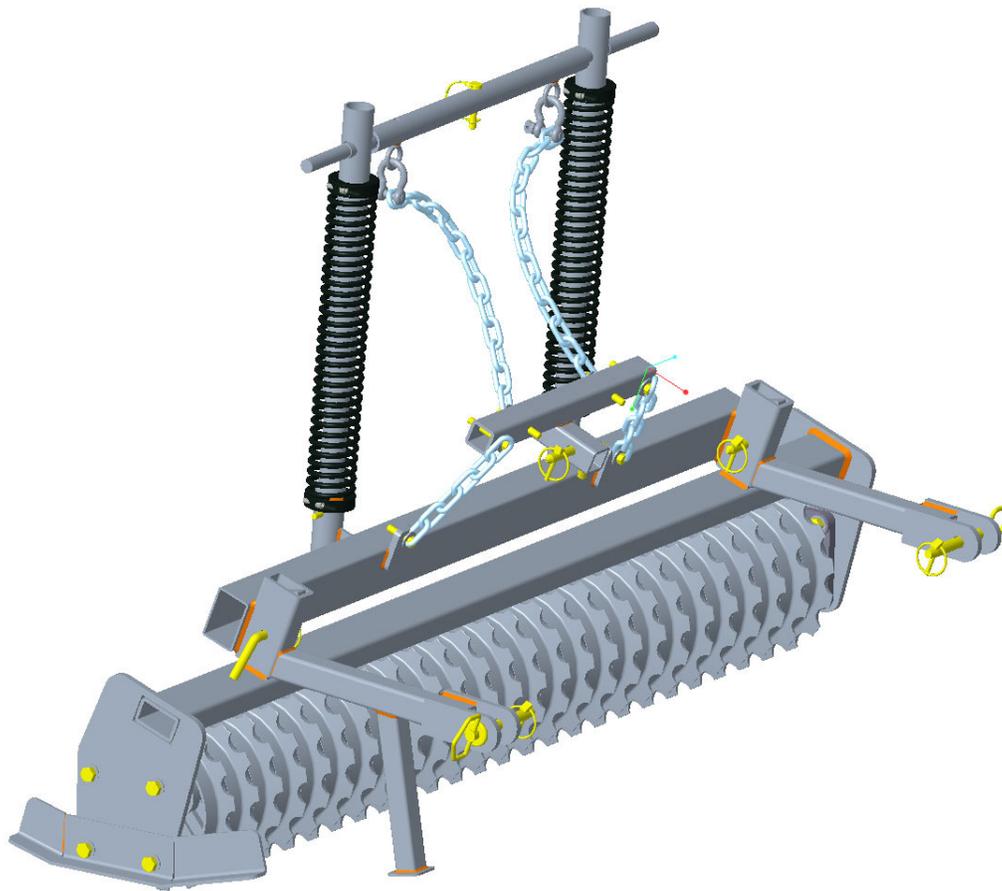


Product Instruction Sheet

**ABI Force Z-23
Rear Cultipacker Option**



Designed to be used solely behind the ABI Force Z-23

Unit Setup and Adjustments:

Tools Needed:

- Safety Glasses
- 1/4" Allen Wrench
- (2) 1/2" Wrenches

Layout the parts

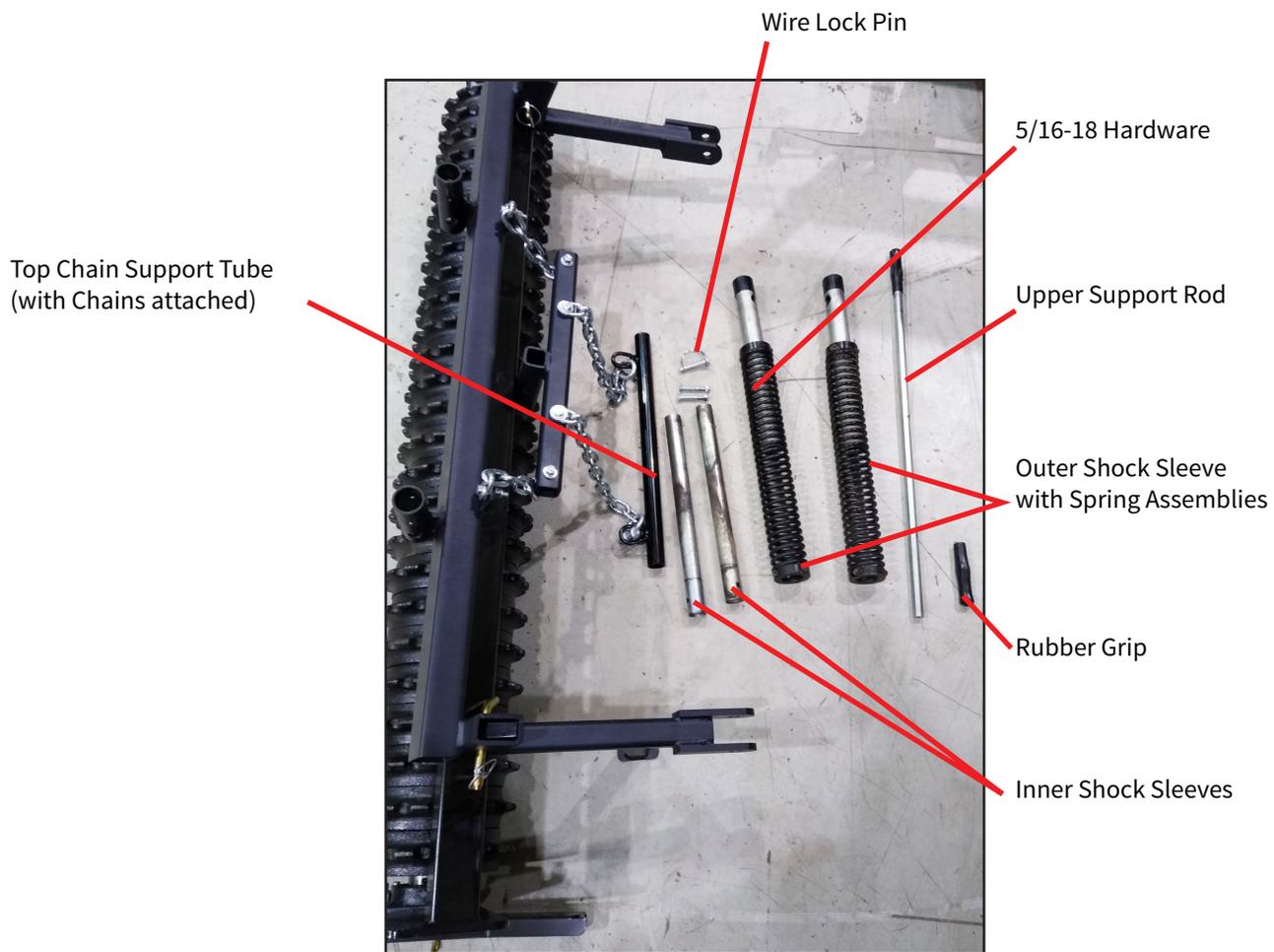


Figure 1:

1. Slide Inner Shock Sleeves into frame tubes and secure with 5/16-18 x 2-1/4 long Hex Head Bolts and 5/16-18 Nylock nuts (See Figure 2).



Inner shock sleeves

5/16 -18 X 2 1/4 long bolts and 5/16-18 nylock nut

Figure 2:

2. Slide Outer Shock Sleeve and Spring assemblies onto each Inner Shock Sleeve. Make sure holes in top of outer Shock Sleeve are facing each other and screws on Lower Sleeve Collar are facing outwards (see Figure 3 and Figure 4).



Be sure holes in Outer Shock Sleeves face each other

Figure 3:



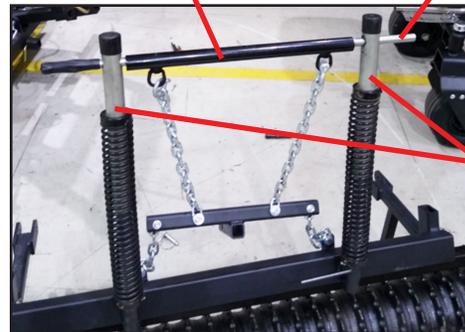
Be sure screw heads on Lower Sleeve Collar face outward. Tightening Collar screws requires a 1/4" Allen Wrench (2 screws per collar)

Figure 4:

3. Slide Upper Support Rod thru 1st Outer Shock Sleeve, then Top Chain Support Tube (it is not necessary to remove chains), Then 2nd Outer Shock Sleeve. (See Figure 5).

Top chain support tube

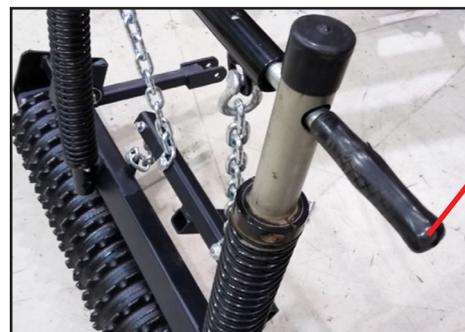
Upper Support Rod



1st and 2nd outer shock sleeves

Figure 5:

4. Slide Rubber Grip onto Upper Support Rod. (See Figure 6)



Rubber Grip

Figure 6:

5. Slide Wire Lock Pin thru hole in Top Chain Support Tube and hole in Upper Support Rod and clip. (See Figure 7)



Wire Lock Pin thru Outer Chain Support Tube and Upper Support

Figure 7:
Your unit is now ready to attach to the Z-23 Force

Attaching Unit to the Z-23 Force

1. Back Z-23 Force up to Rear Cultipacker. (See Figure 8).



Figure 8:

2. Tilt unit up and pin Cultipacker arms to Z23-Force bumper (See Figure 9 and Figure 10)



Figure 9:

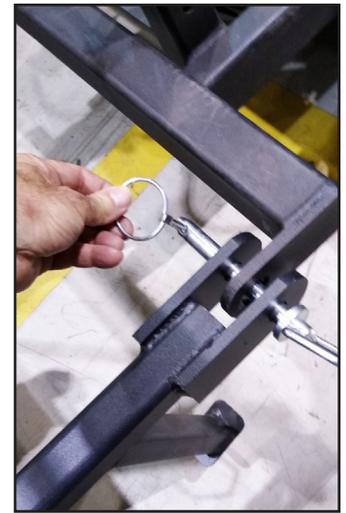


Figure 10:

3. Slide "T" Bar into Rear Lift and Pin (See Figure 11 and Figure 12).

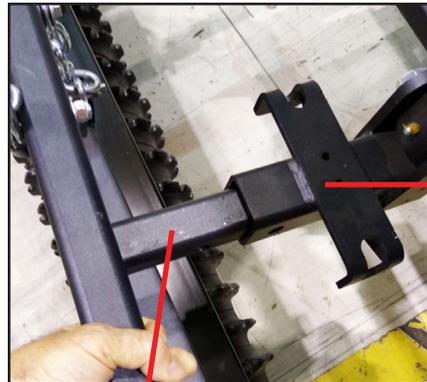
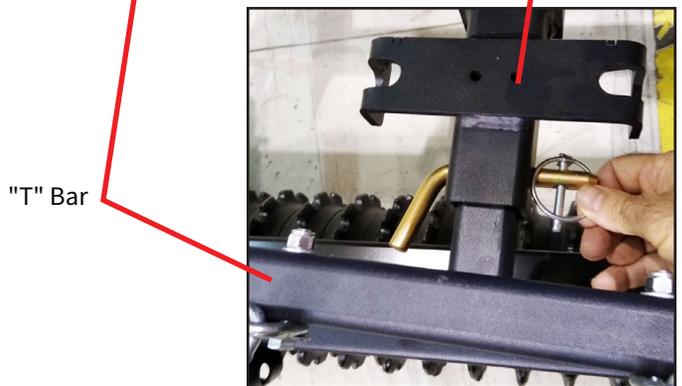


Figure 11:

Rear Lift



"T" Bar

Figure 12:

Attachment Complete

1. Back Z-23 Force up to Rear Cultipacker. (See Figure 8).

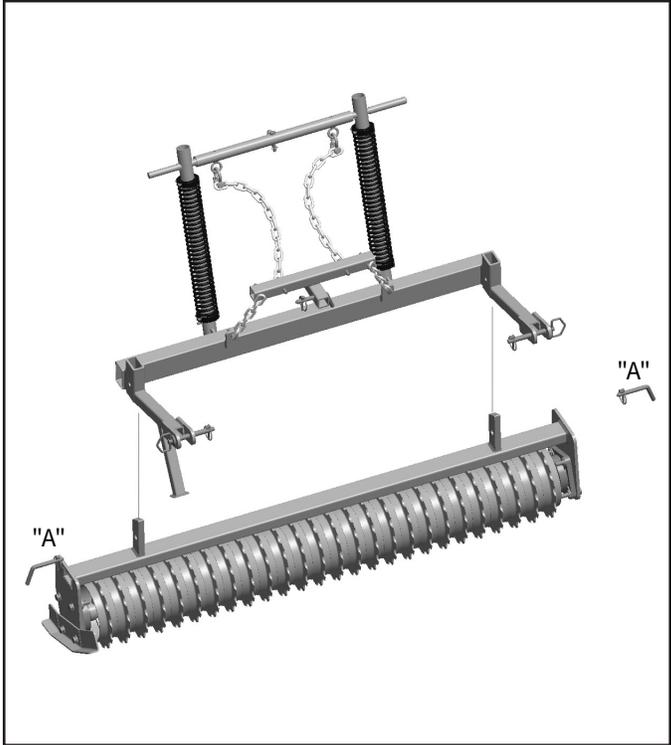


Figure 13 :

NOTES

- 1. During operation, raising and lowering the Rear Lift will set the depth/pressure of the Cultipacker to the ground.
- 2. Optional Front weight kit is required when using Rear Cultipacker Attachment.
- 3. If operator desires to use the Cultipacker in the under belly area of the Z-23 Force instead of behind the Z-23 Force, the Cultipacker can be removed from the rear attachment frame by removing the (2) bent pins marked "A" (See Figure 13) and lift the attachment framework off the Cultipacker.
- 4. When mounting Cultipacker to under-belly of the Z-23 Force or back on to the Rear Attachment Frame, the long end of the kick-stand must face forward (See Figure 14).

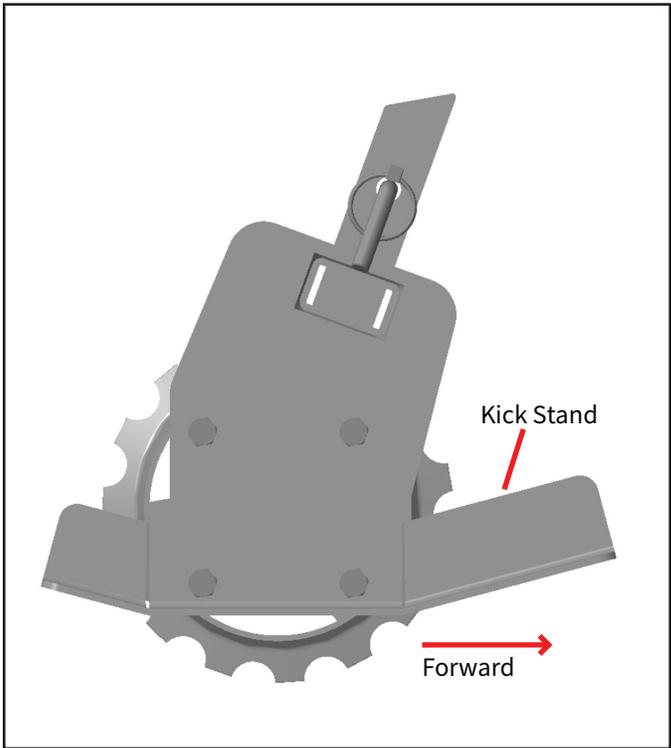


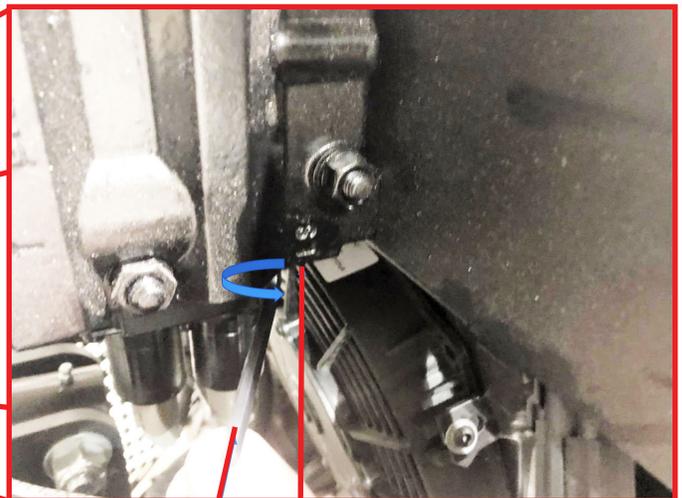
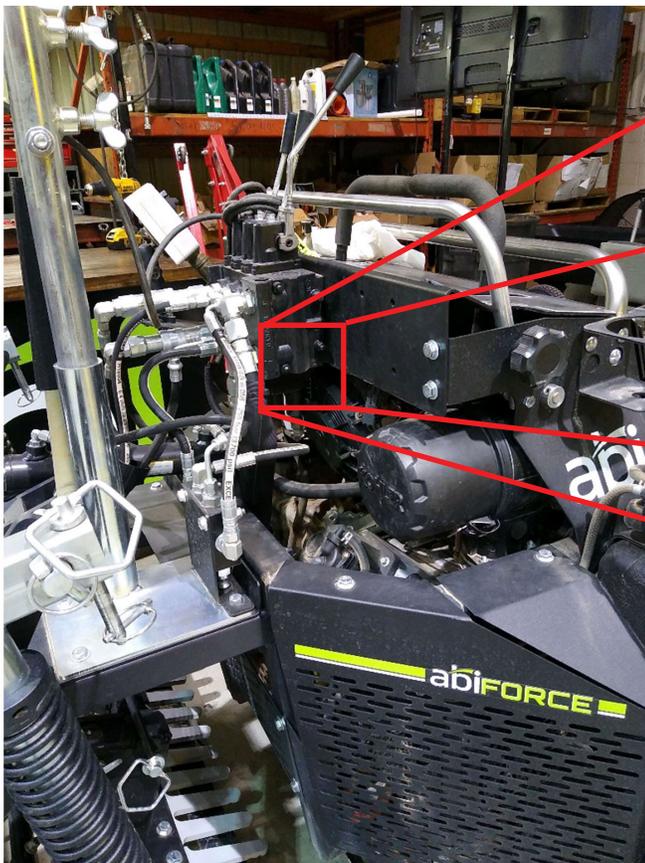
Figure 14:

Service Bulletin To Earlier Z-23 Force

Over time, larger attachments are being developed and released for the rear of the machine requiring more system pressure to lift. For Z-23 Force units, Serial #'s A106987 thru A108500, the Relief Valve in Danfoss Valve needs to be adjusted to enable more system pressure.

Adjustment Procedure

1. Turn off unit and allow to cool.
2. Remove and discard plastic plug on "LS" port at bottom of Danfoss directional control valve, located above the engine air cleaner. (If plug is missing the unit has already been adjusted).
3. Turn 1/3 of a turn clockwise (looking from bottom up) with a 4 mm allen wrench. Do not turn farther.
4. Return unit to service.



Allen Wrench

LS Port under valve

Service Parts

ITEM	PART #	DESCRIPTION	QTY
1	10-20221	BENT PIN	3
2	10-20232	LYNCH PIN	5
3	10-10895	WHEEL, CULTIPACKER, 9.5"	25
4	10-20224	PIN	2

