Form No. 10-11302 | Rev E | 5/6/2026

FORCE

Installation Instructions

MOBILE WORK STATION KIT

Force Z-23

NOTE: This Owner's Manual covers several models. Features may vary by model. Not all features in this manual are applicable to all models and the model depicted may differ from yours.

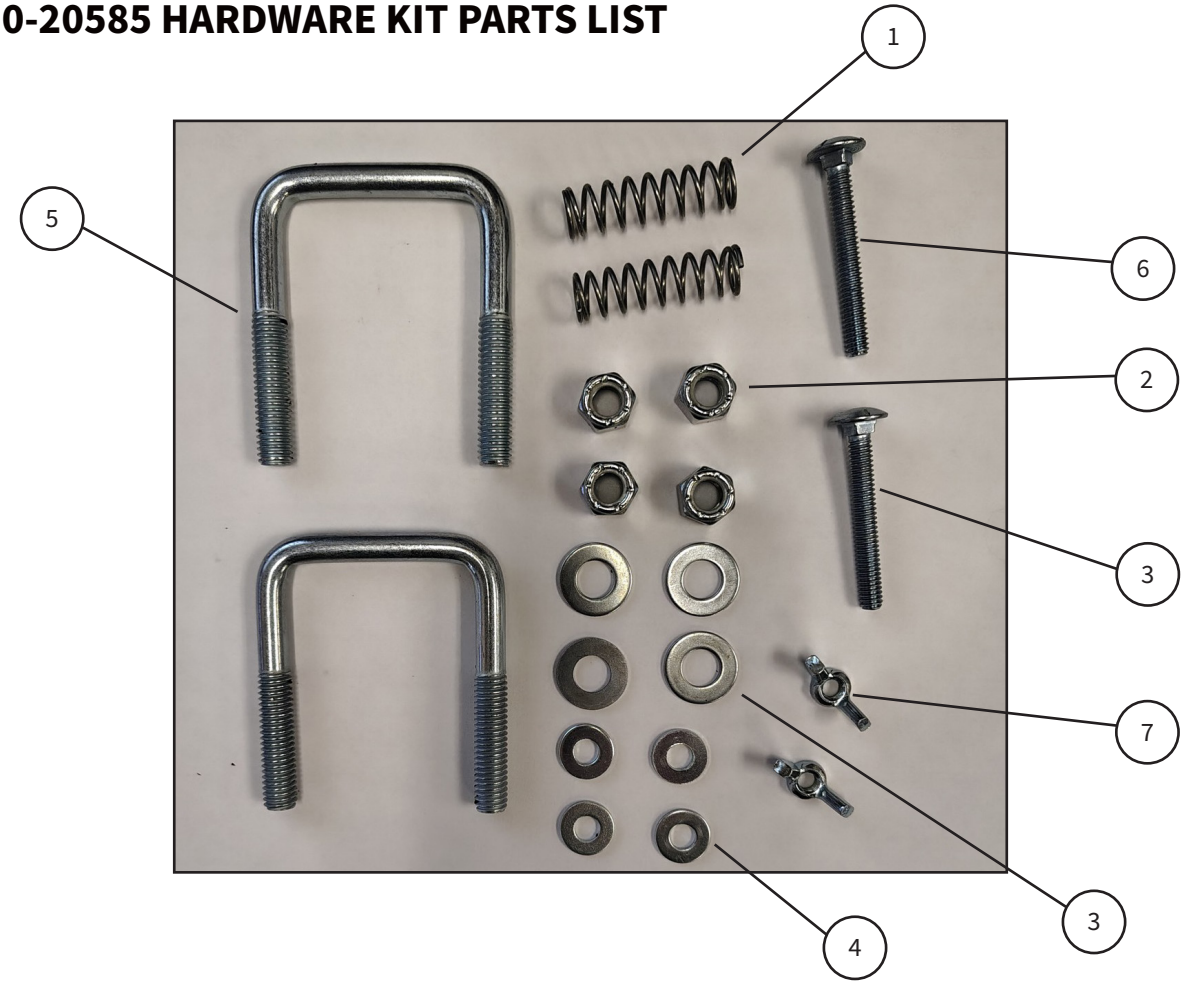
INSTALLATION INSTRUCTIONS

TOOLS NEEDED:
- SAFETY GLASSES
- SAFETY SHOES
- 1/2" SOCKET SET (OR WRENCH)
- 9/16" SOCKET SET (OR WRENCH)
- 3" SOCKET EXTENSION

10-90672 PARTS LIST

ITEM	PART #	DESCRIPTION	QTY
1	10-10869	LBL: PINCH POINT A 1" X 2": FOR TEXTURED TOOLS	2
2	10-11302	INSTALLATION INSTRUCTION: MOBILE WORKSTATION KIT: ABI FORCE Z23	1
3	10-11659	LBL: FORCE SABER FRONT DECAL	1
4	10-20585	KIT: MOBILE WORKSTATION HARDWARE	1
5	10-32703	PLATE: TOOL HOLDER HANDLE	2
6	10-40737	ASSY: BOTTOM TOOL HOLDER	2
7	10-41094	WLDMT: BUCKET HOLDER	1

10-20585 HARDWARE KIT PARTS LIST



ITEM	PART #	DESCRIPTION	QTY
1	10-11263	SPRING: COMPRESSION: 1/2" x 1-3/4" x .054 WG	2
2	10-20055	NYLOCK NUT: 3/8-16: ZINC GR5	4
3	10-20195	FLT WSHR: 3/8 SAE: CL ZINC	4
4	10-20196	FLT WSHR: 1/4 SAE: CL ZINC	4
5	10-20493	U-BOLT: 3/8-16:2"INSIDE W X 2.625" HT X 1.5" THD:SQ	2
6	10-20569	CARR BOLT: 1/4-20 X 2": ZINC GR5	2
7	10-20570	WING NUT: 1/4"-20, Zinc-Plated Steel Wing Nut	2

INITIAL SETUP INSTRUCTIONS

1. Remove the 4 bolts and washers securing the Rear Back Plate to the Force using a 1/2" socet set (or wrenches). (Set aside the 4 bolts and washers to use later) (**Fig 1 and 2**).

2. Lift Bucket Holder Weldment and align 1 hole in corner of Bucket Holder Weldment with the tapped hole on the back side of the Force back rest and thread (1) bolt with washer (hand tight only) that was removed in step 1 (putting the Bucket Holder Weldment in the same location where the rear back plate was removed in step 1) **(THIS STEP WILL BE MUCH EASIER WITH 2 PEOPLE)** (**Fig 3**).

3. Line up the 3 remaining holes in the Bucket Holder Weldment with the 3 tapped holes on the back side of the Force back rest and thread (1) bolt with washer that was removed in step 1 into each hole. Tighten all 4 bolts using a 1/2" socket (or wrench) (**Fig 4 and 5**).

4. Slide the bent end of Tool Holder Handle Plate into the slot on the side of box. The curved corners on the Tool Holder Handle Plate must face away from the Force and let hang for the moment (**Fig 6**).

5. Insert 1/4-20 x 2" long carriage head bolt thru square hole in side of Bucket Holder Weldment (head of the bolt on the inside of the box and threads of bolt facing to the outside of box) and then on thru the hole in Tool Holder Handle Plate. Insert (1) 1/4" flat washer onto bolt, then insert (1) compression spring onto bolt. Insert (1) 1/4" flat washer onto bolt (**Fig 7 and 8**).

6. Compress the outer washer and spring to allow the end of the bolt to protrude enough to thread the Wing Nut onto the bolt. Thread Wing Nut onto the bolt approximately 1/2" to put tension on the spring (**Fig 9**).
(use your thumb or finger to push on the bolt head to keep the square portion of the bolt under the bolt head in the square hole on the box to keep the bolt from turning while installing the wing nuts.)

7. Repeat steps 4 thru 6 on opposite side of the work station box (**Fig 10**).

Fig 1.

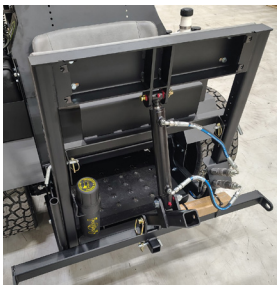


Fig 2.

Fig 3.

Fig 4.

Fig 5.

Fig 6.

Fig 7.

Fig 8.

Fig 9.

Fig 10.

INITIAL SETUP INSTRUCTIONS (CONT'D)

8. Remove 3/8" flat washers (4), 3/8-16 NyLock nuts (4) and U-bolts (2) from 10-20585 Hardware Packet.

9. The lower cross tube at the bottom of the Force Back Rest is where the Bottom Tool Holder weldments will be mounted (**Fig 11 and 12**).

10. Slide the U-bolt over top of the lower cross tube close to the vertical tube to the left of the manual cannister (it may be a tight fit to get the U-bolt over the lower cross tube, if so, use a hammer to gently tap it onto the cross tube). Slide the Bottom Tool Holder weldment up to the under side of the lower cross tube and insert the threaded U-bolt ends into the holes on the Bottom Tool Holder weldment (**Fig 13 and 14**) . There should be approximately 1/4" to 1/2" clearance between the left side of the Bottom Tool Holder weldment and lower cross tube support frame (**Fig 14**).

11. Slide (1) washer onto each end of the u-bolt then thread (1) Nylock Nut onto each end of the U-bolt (finger tight only at this time) (**Fig 15**).

12. To make sure Bottom Tool Holder weldment is inline with the Tool Holder Handle Plate (mounted in steps 4 thru 6, place end of broom handle (or shovel handle) into Bottom Tool Holder weldment pocket and pull out Tool Holder Handle Plate and place broom handle in the "V" portion of the Tool Holder Handle Plate, then release handle to secure broom to workstation box (**Fig 16 and 17**). If broom handle is tilting left or right, slide Bottom Tool Holder weldment left or right until broom handle doesn't lean then tighten nuts on U-bolt using 9/16" socket (or wrench) (**Fig 18**).

13. Repeat steps 10 thru 12 to mount 2nd Bottom Tool Holder weldment on right side of lower cross tube (**Fig 19**).

14. Assembly is now complete (**Fig 20**).

Fig 11.

Fig 12.

Fig 13.

Fig 14.

Fig 15.

Fig 16.

Fig 17.

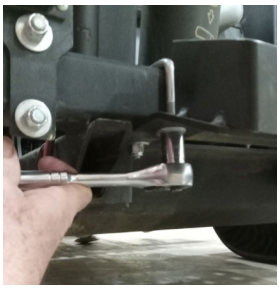


Fig 18.

Fig 19.

Fig 20.

FOOT NOTES

CONTACT INFORMATION

ABI ATTACHMENTS, INC
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CUSTOMER SUPPORT

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Website: abiattachments.com/support

For additional information on the use or setup of the Force Z23 and its accessories, please contact the ABI customer support team at 877-788-7253.

Warranty Information and Return Policy - Warranty and return policy information can also be found on the ABI support page under each tool. For additional questions regarding warranty or return policy, contact the ABI customer support team at 877-788-7253.

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