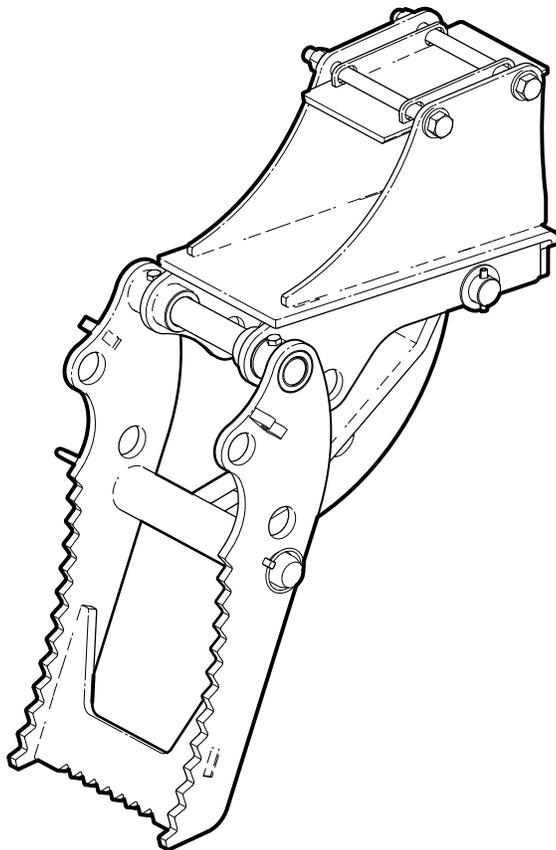


INSTALLATION INSTRUCTIONS

BT5390 BOLT-ON BACK HOE THUMB



Part No. Z97846_En

Safety

Safety Alert Symbol

This Safety Alert Symbol means:

ATTENTION! BE ALERT!

YOUR SAFETY IS INVOLVED!

The **Safety Alert Symbol** identifies important safety messages on the machine and in this instruction. This symbol means be alert to the possibility of personal injury or death. Follow instructions provided.



Signal Words

The signal words **DANGER**, **WARNING** and **CAUTION** determine the seriousness level of the warning messages in this manual. The appropriate signal word for each message in this manual has been selected using the following guidelines:

DANGER –

Indicates an imminently hazardous situation that, if not avoided, **will** result in death or serious injury. This signal word is to be limited to the most extreme situations typically for machine components which, for functional purposes, cannot be guarded.

WARNING –

Indicates a potentially hazardous situation that, if not avoided, **could** result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION –

Indicates a potentially hazardous situation that, if not avoided, **may** result in minor or moderate injury. It may also be used to alert against unsafe practices.

IMPORTANT – To avoid confusing equipment protection with personal safety messages, a signal word **IMPORTANT** indicates a situation that if not avoided, could result in damage to the machine.

 **NOTE:** *(plus text) – indicates an additional explanation for an element of information.*

Equipment Operation

IMPORTANT! The BT5390 Bolt-on Thumb is designed for a John Deere 260B Back Hoe. Installing it on machines other than that risks damaging the thumb assembly and voiding warranty. Consult Wallenstein Equipment Inc. if in doubt.

WARNING!

Never work under equipment unless it is securely blocked. Do not depend on tractor hydraulic system to hold machine or attachment in place.

WARNING!

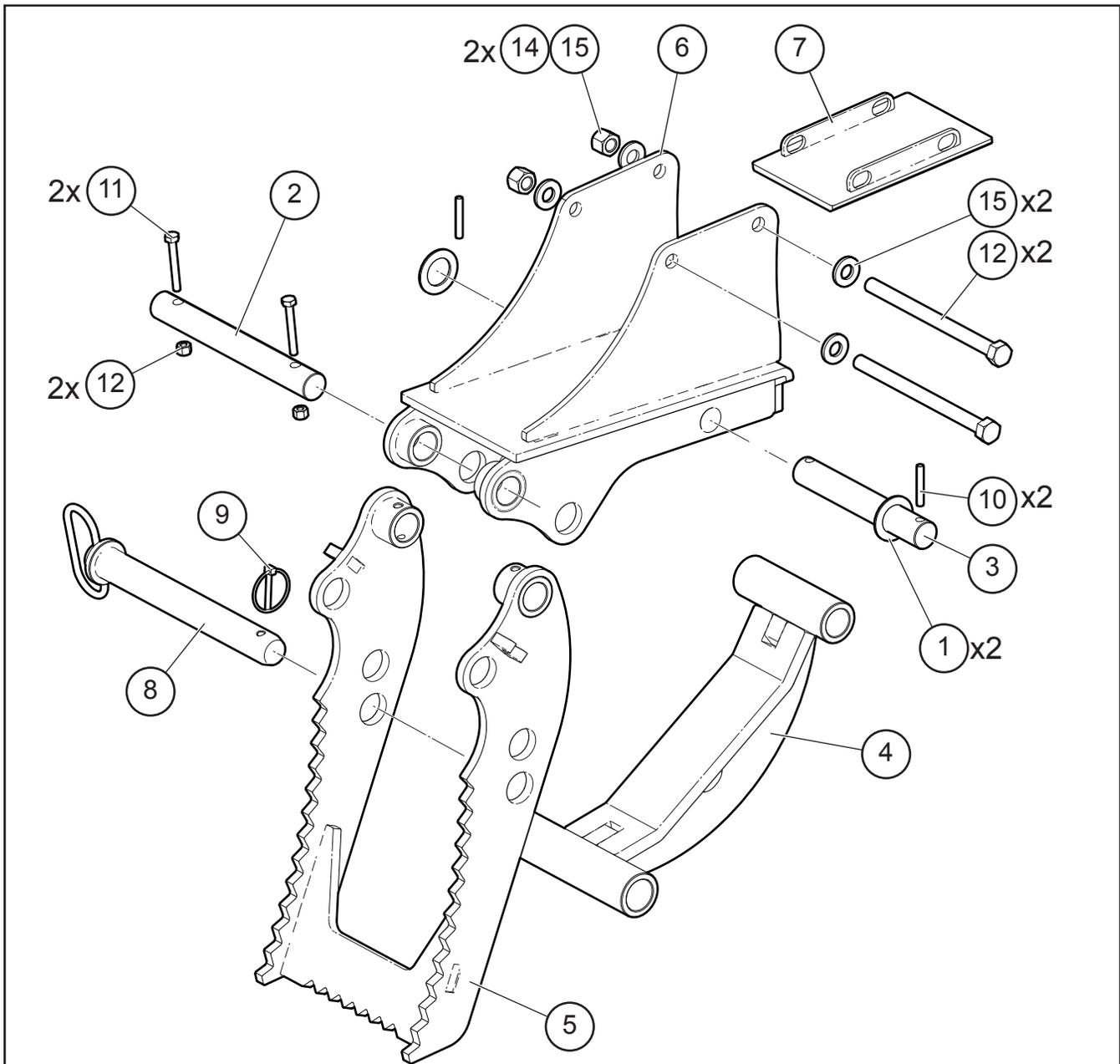
Use only lifting devices with sufficient capacity to safely support the expected weight being lifted. Use a hoist when lifting components that weigh 50 lb (23 kg) or more to avoid back injury.

BT5390 Thumb Assembly weight is 55 lb (25 kg).

Tools Required

- Basic shop tools
- Overhead lifting device
- 3/8", 3/4" spanner wrenches and sockets

Parts Breakdown



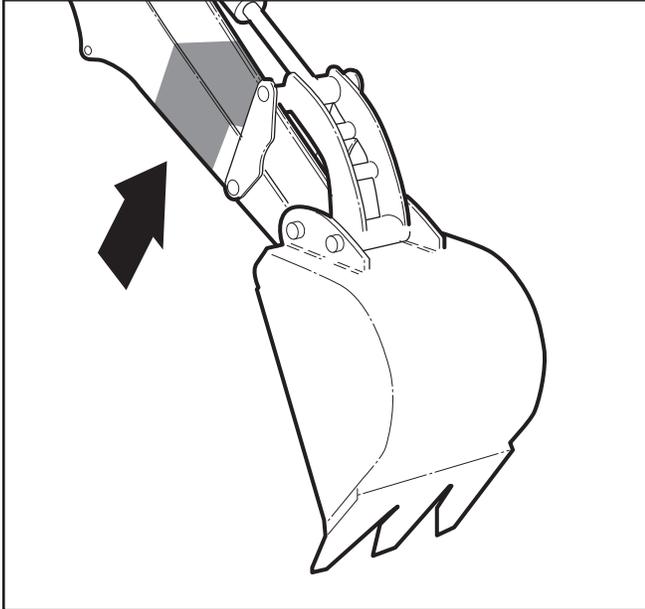
ITEM	PART NO.	DESCRIPTION	QTY
1	3083L185	Washer	2
2	3083M133	Pin, Main Pivot	1
3	3083M134	Pin, Back Brace	1
4	3083W132	Brace	1
5	3083W183	Thumb	1
6	3083W184	Main Frame Weldment	1
7	3083W185	Weldment, Lockout	1
8	Z11273	Hitch Pin, 1-1/8" x 8-1/2"	1
9	Z12110	Lynch Pin, 3/16"	1
10	Z14171	Roll Pin, 1/4" x 1-1/2"	2
11	Z71120	Hex Bolt, 1/4NC x 2"	2
12	Z71568	Hex Bolt, 1/2NC x 7"	2
13	Z72211	Hex Lock Nut, 1/4NC	2
14	Z72251	Hex Lock Nut, 1/2NC	2
15	Z73151	SAE Washer, 1/2"	4

Fig. 1—Parts Breakdown

Procedure

Step 1

Extend the back hoe dipper boom and bucket outward, then lower it to the ground. Make sure there is enough room to work under the boom to attach the thumb.



Step 2

Remove the Lockout Weldment (7) from the top of the thumb assembly.

Step 3

Lift the thumb assembly up to the underside of dipperstick boom on the back hoe, so the side plates straddle the boom.

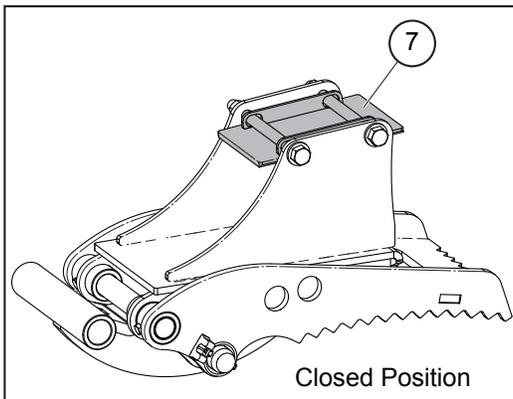
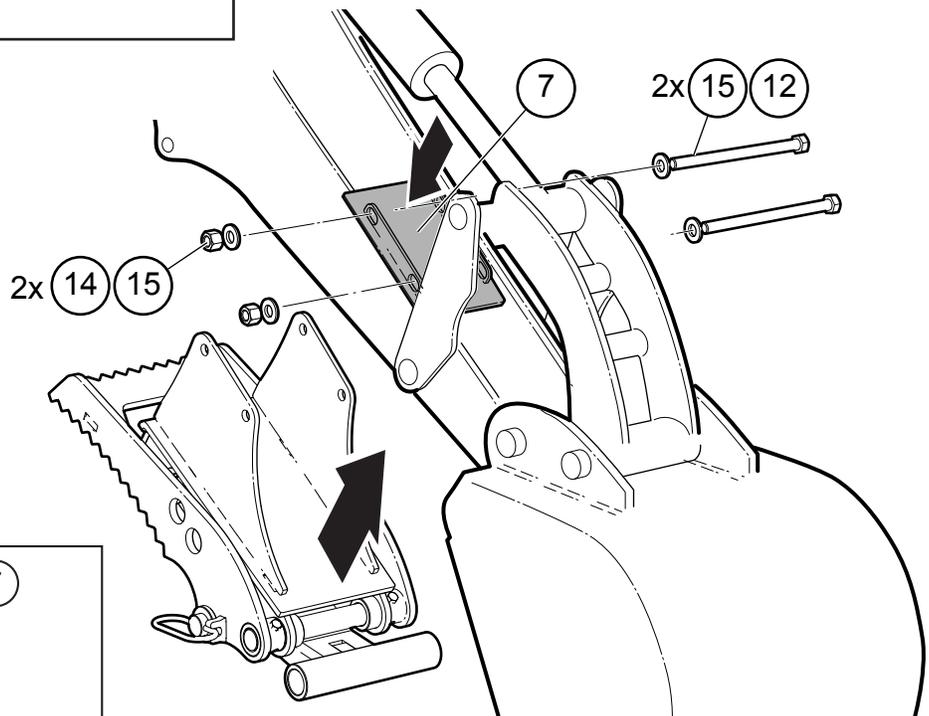
Step 4

While supporting the thumb assembly, place the Lockout Weldment (7) on the top side of the boom, between the thumb side plates. Insert the long 1/2"NC x 7" hex bolts (12) through the Lockout Weldment, with a 1/2" flat washer (15) on each side. Install the 1/2" hex locknuts (14) on the bolts.

Step 5

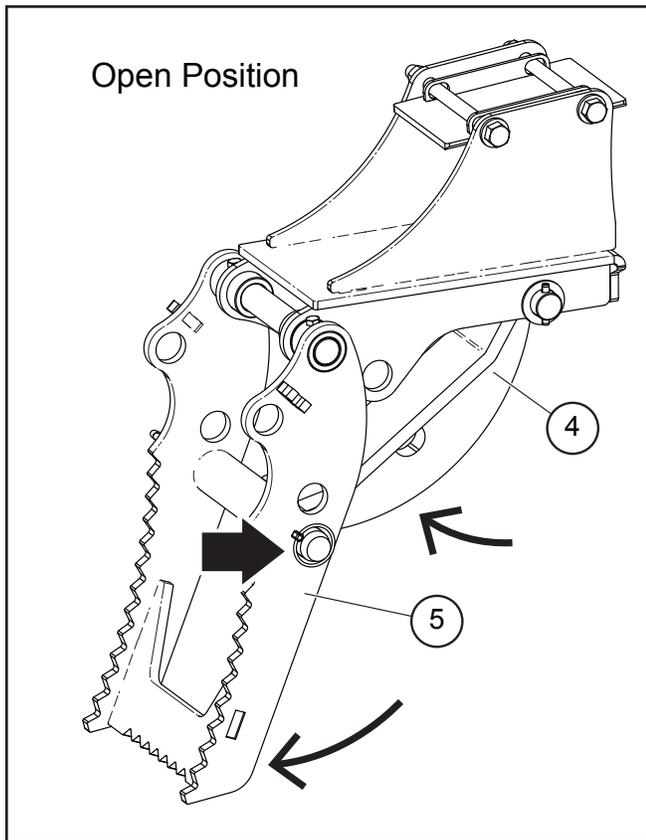
Slide the entire assembly forward until it is tight on the dipper arm.

Torque-tighten lock nuts to 80 lbf·ft (110 N·m).



Step 6

Pull the Hitch Pin (8) and swing out the Brace (4) and the Thumb (5), then reinsert the pin in either position hole.



Testing

Test the functions of the thumb assembly and bucket before putting the machine into operation. Cycle the movement of the bucket to confirm the thumb functions as expected.

Adjust Thumb (5) in the position hole that suits the application.

Warranty



LIMITED WARRANTY

Wallenstein products are warranted to be free of defects in materials and workmanship under normal use and service, for a period of

Five Years for Consumer Use

Two Years for Commercial/Rental Use

from the date of purchase, when operated and maintained in accordance with the operating and maintenance instructions supplied with the unit. Warranty is limited to the repair of the product and/or replacement of parts.

This warranty is extended only to the original purchaser and is not transferable.

Repairs must be done by an authorized dealer. Products will be returned to the dealer at the customer's expense. Include the original purchase receipt with any claim.

This warranty does not cover the following:

- 1) Normal maintenance or adjustments
- 2) Normal replacement of wearable and service parts
- 3) Consequential damage, indirect damage, or loss of profits
- 4) Damages resulting from:
 - Misuse, negligence, accident, theft or fire
 - Use of improper or insufficient fuel, fluids or lubricants
 - Use of parts or aftermarket accessories other than genuine Wallenstein parts
 - Modifications, alteration, tampering or improper repair performed by parties other than an authorized dealer
 - Any device or accessories installed by parties other than an authorized dealer
- 5) Engines. Engines are covered by the manufacturer of the engine for the warranty period they specify. For the details of your engine warranty, see your engine owner's manual. Information about engine warranty and service is also available in the FAQ section at www.wallensteinequipment.com

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