


**Ditch
Witch®**

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INSTALLATION INSTRUCTIONS

Articulating Boom Latch

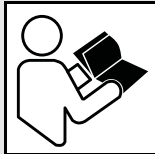
**Recall 18V-727: VT14, VT20, and VT24 trailers
with HX30, HX50, HX75 vacuum excavators
mounted with jib boom**

Kit Number: 190-2638

Estimated Installation Time: 0.5 hour

Before You Start

Read instructions thoroughly. Check to see if all parts in bill of materials are in kit. If parts are missing or do not match bill of materials, contact your Ditch Witch® dealer.


WARNING

Incorrect procedures could result in death, injury, or property damage. Read instructions and use equipment correctly.

To help avoid injury:

- Park on level area.
- Turn off engine and remove key from ignition.
- Block the wheels.
- Ensure machine has fully cooled before servicing.
- Wear personal protective equipment.

Purpose

This document provides the instructions to install the new retaining latch on an optional jib boom installed on any HX-series vacuum excavator system mounted on a VT14, VT20, or VT24 trailer.

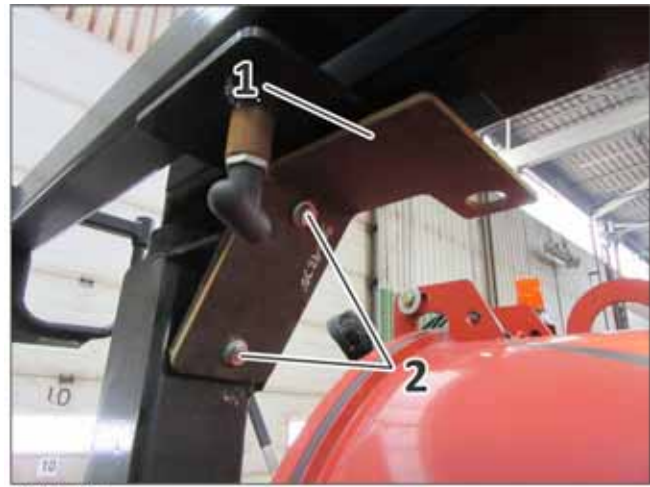
Bill of Materials

P/N	Description	Qty.
106-387	FLG LOCKNUT (M10-1.50)	6
106-724	FLG LK SCREW (M10-1.50 X 25MM)	6
302-9235	BRACKET	1
116-461	BULK EDGE (3/8")	1

P/N	Description	Qty.
302-9236	BRACKET	1
302-9237	HANDLE	1
302-9238	PIN	1

Install Lower Bracket

1. Install lower bracket (1) on boom mast using screws and nuts (2).



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Ref.	P/N	Description
1	302-9235	BRACKET
2	106-724	FLG LK SCREW (x2)
2	106-387	FLG LOCKNUT (x2)

Articulating Boom Latch

Install Upper Bracket

1. Position upper bracket (1) on boom mast.
2. Use latch pin (2) to vertically line up bracket's keyway notch (K) with opening in lower bracket.

IMPORTANT: Ensure keyway notch opening faces toward the boom arms.

3. With latch pin vertical, mark mount hole positions (M) in upper bracket for drilling.

IMPORTANT: There are two mount holes. Only one is shown. Mark both holes for drilling.

4. Drill two 7/16in holes in boom mast flange to allow mounting of upper bracket.
5. Mount upper bracket (1) on boom mast using screws and nuts (2).

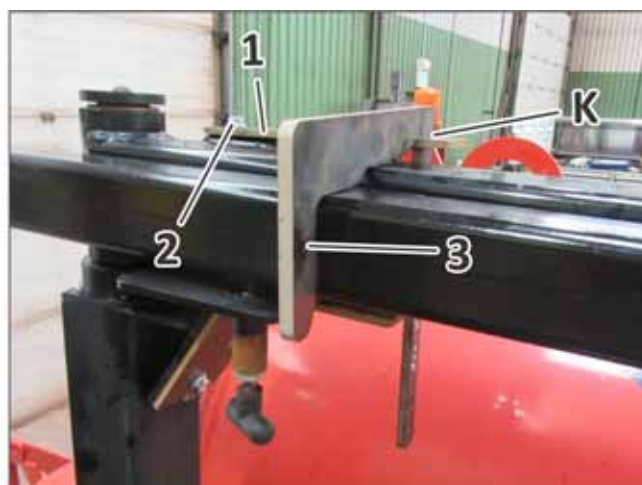
IMPORTANT:

- Use two sets of bolts and nuts to mount bracket. Only one set is shown.
- Latch pin (3) should fit vertically between upper and lower brackets, and fully engage keyway notch (K) when fully lowered.



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Ref.	P/N	Description
1	302-9236	BRACKET
2	302-9238	PIN

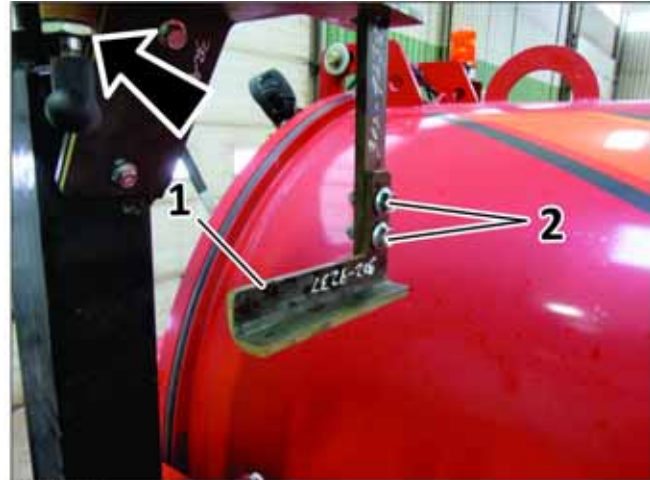


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Ref.	P/N	Description
1	302-9236	BRACKET
2	106-724	FLG LK SCREW (x2)
2	106-387	FLG LOCKNUT (x2)
3	302-9238	PIN

Complete Job

1. Install handle (1) at end of latch pin using screws and nuts (2).
2. Loosen nut (shown) and remove old retaining pin and discard.



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Ref.	P/N	Description
1	302-9237	HANDLE
2	106-724	FLG LK SCREW (x2)
2	106-387	FLG LOCKNUT (x2)

3. Install edging (shown) on latch pin.



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P/N	Description
116-461	BULK EDGE (3/8")