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Users Manual for the Merrick Originals Hood Picker

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1 . UNPACKING

Inspecting contents

The Merrick Originals Hood Picker is shipped completely assembled. Some fasteners as well as protective coverings may come loose during shipping. Inspect the box completely for any hardware that may have become dislodged.

Notify

Report any missing or damaged components to your freight carrier first and then to your distributor. Replacement parts can be ordered and sent immediately.

2. SAFETY

Safety is the responsibility of the end user of the Merrick Originals Hood Picker. It is important to thoroughly read and understand all the safety requirements!

Installation and adjustment safety precautions

- ☐ Some modifications may have to be made to your existing Boom Hoist, do not weaken the device thereby creating a hazard.
- ☐ Tighten the clamp bolt securely to the Boom Hoist, to prevent possibility of the Hood Picker becoming loose during operation.
- ☐ Once the frame work has been positioned for operation, secure all fasteners to prevent arm movement while under load.
- ☐ Do not exceed the lifting capacity of the Boom Hoist or the Hood Picker.

Operation safety precautions

- ☐ Wear non-skid, steel-toed boots or similar foot-wear while operating the Hood Picker.
- ☐ Be alert! Do not operate while under the influence of drugs or alcohol.
- ☐ Take your time! Be preventative and double check all your adjustments and anticipate your next move.
- ☐ Work in a clean, clear area to prevent any trip hazards.
- ☐ Never lift more than you can handle, get help when working with heavy or awkward parts.
- ☐ Never leave a hood or similar component in the Hood Picker for extended periods of time.
- ☐ Never leave a hood or similar component in the Hood Picker unattended.

3. OPERATION

Attaching to the Boom Hoist

The Merrick Originals Hood Picker come equipped with and interface to most standard Boom Hoists. However, some modifications may have to be made the end of the Hoist in order for the Hood Picker to be used. Such as: grinding away any weld seam that may interfere with the safe operation of the Hood picker; or removing hooks, chain pins, etc. that may interfere.

- ☐ Loosen the swivel bolt and tilt the spider plate forward, exposing the clamping bolt.
- ☐ Insert the tongue into the end of the Boom Hoist tube with the swivel bolt and spider plate being located on top.
- ☐ Tighten the clamp bolt securely.

Adjusting the lifting arms

- ☐ Loosen the swivel bolt and tilt the Mount Weldment to match the angle of the hood or similar component.
- ☐ Retighten the swivel bolt. (Some readjustment may be required later)
- ☐ Loosen hood arm bolts and spread the hood arms as wide as possible to engage the hood or similar component.
- ☐ Tighten the hood arm bolts securely.
- ☐ Bend hook ends if necessary to securely engage hood or similar component.

Engaging Hood or Similar Component

- ☐ Lower the Boom Hoist so the hooks clear the underside of the hood or similar component.
- ☐ Position the hoist and Hood Picker against the inside of the hood or similar component.
- ☐ Raise the Boom Hoist until the hooks seat firmly under the hood or similar component.
- ☐ If necessary, readjust the angle of the Mount Weldment so the arms make good contact with the hood or similar component.
- ☐ If removing the hood or similar component, loosen the bracket bolts and allow the Boom Hoist and Hood Picker to support it.
- ☐ If installing the hood or similar component, position the Boom Hoist and Hood Picker to allow the bracket bolts to be installed.

4. MAINTENANCE AND TROUBLE SHOOTING

Maintenance

The Merrick Originals Hood Picker is a very simple but useful device. Care should be taken to preserve safe operation and provide years of trouble-free service.

Before Using:

- ☐ Inspect all fasteners and make sure they are in good condition. Replace if necessary.
- ☐ Inspect rubber casing for tears or cracks. Replace if necessary.
- ☐ Inspect welds on the components for cracks. Repair if necessary.

After Using:

- ☐ Clean the parts carefully and remove excess oil and debris.
- ☐ Repair any rubber casing that may have been damaged.
- ☐ Store in a clean, dry location to prevent corrosion.

Trouble Shooting

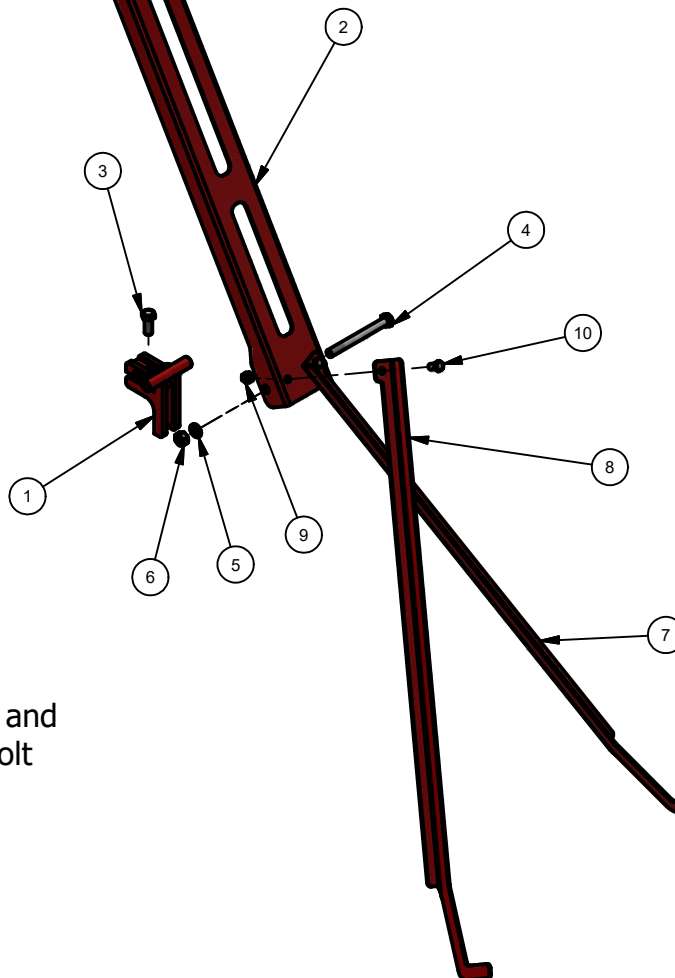
The Merrick Originals Hood Picker is only part of a system. Since it is used primarily with a Boom Hoist we did not specify nor manufacture, trouble shooting will only pertain to the Hood Picker itself.

Problem	Solutions
Clamp won't hold onto the Boom Hoist	<ol style="list-style-type: none">1. Tongue may be damaged, inspect and repair if necessary.2. Clamp bolt is corroded, replace.3. Load is too great, reduce load.
Hood arms won't stay positioned	<ol style="list-style-type: none">1. Bolts are too loose, tighten.2. Bolts or Nuts are stripped, replace.3. Load is too great, reduce load.
Hood Picker scratches hood	<ol style="list-style-type: none">1. Rubber casing is damaged, replace.2. Angle of the Mount Weldment does not match the angle of the hood, readjust.
Hood Picker tilts when the load is applied	<ol style="list-style-type: none">1. Swivel bolt is loose, tighten.2. Load is too great, reduce load.

Rotate Shackle-Boom
to expose pinch bolt

Pinch bolt

Slip over boom and
tighten Pinch bolt



Parts List

ITEM	QTY	PART NUMBER	TITLE
1	1	HP-W001	SHACKLE-BOOM
2	1	HP-P0004	SADDLE
3	1	M270105	HHCS 1/2-13x1-1/4 Gr5
4	1	M270121	HHCS 1/2-13x5
5	1	M270563	Lock Washer 1/2
6	1	M270215	Hex Nut 1/2-13 UNC
7	1	HP-P0005R	ARM
8	1	HP-P0005L	ARM
9	2	M270220	Hex Lock Nut 3/8-16 Nylock
10	2	M270051	HHCS 3/8-16x3/4

MERRICK MACHINE COMPANY

RUVO

ALDA, NEBRASKA 68810

A DIVISION OF
THE TRIAD
COMPANIES

FINISH
(COLOR)

JOB#

DATE:

CUT

MACH

FORM

WELD

FINISH

ASS'Y

MTL:

DRAWN BY: **BP**

MTL IBM#

TITLE:

INSTALLATION

REQ'D:

SCALE:

DATE: 8/30/2023

X.XX ±0.01 X.XXX ±0.005 X/X ±1/32

DWG#

HP-A000-2

REV

A

IBM#

SHEET: 1 OF 1