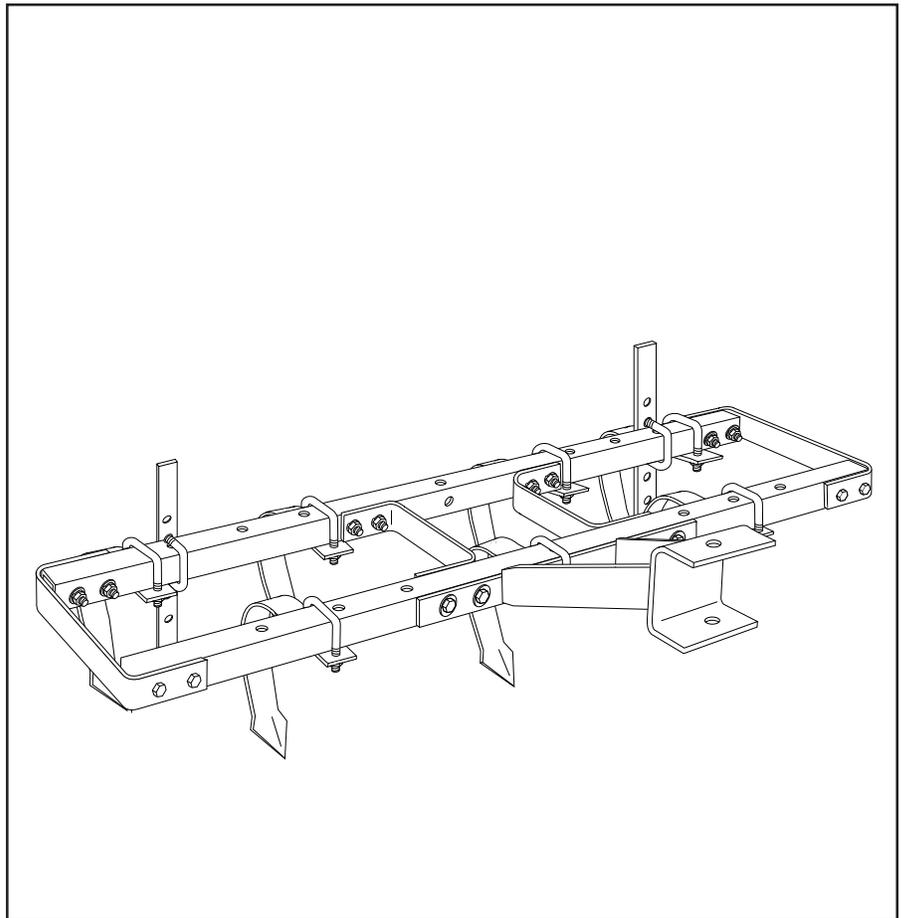


OWNERS MANUAL

**Model No.
45-0264**

CAUTION:
Read Rules for
Safe Operation
and Instructions
Carefully



ROW CROP CULTIVATOR (SLEEVE HITCH)

- Assembly
- Operation
- Maintenance
- Parts

SAFETY RULES

Any power equipment can cause injury if operated improperly or if the user does not understand how to operate the equipment. Exercise caution at all times when using power equipment.

1. Read this owners manual and your vehicle and sleeve hitch owners manuals before using this equipment.
2. Do not allow children to operate vehicle or cultivator.
3. Do not allow adults to operate vehicle or cultivator without proper instructions.
4. Do not allow anyone to ride on the cultivator.
5. Before lowering and operating the cultivator, be sure no one is near the area of operation.
6. Lower cultivator when leaving vehicle unattended.
7. Vehicle braking and stability may be affected with the attachment of this equipment. Drive slowly with cultivator in transport position. **Stay off of steep slopes.**
8. Stop and inspect for damage after striking an object. Repair any damage before continuing operation.
9. Keep all nuts and bolts tight and be sure that the equipment is in safe operating condition.
10. Lock tractor lift handle in down position when attaching or removing cultivator from sleeve hitch.



Look for this symbol to point out important safety precautions. It means--**Attention!! Become alert!!** Your safety is involved.

ASSEMBLY INSTRUCTIONS

TOOLS REQUIRED FOR ASSEMBLY

(2) 9/16" Wrenches

See the illustration on page 3 and the full size hardware chart on the back page. Place 3/8" flat washers under bolt heads or lock washers which otherwise would tighten directly against the frame tubes or hitch assembly.

1. Assemble the hitch assembly, a frame tube and two middle frame braces together using five 3/8" x 2-1/2" hex bolts, 3/8" lock washers, 3/8" flat washers and 3/8" hex nuts. **Do not tighten yet.**
2. Assemble the second frame tube to the middle frame braces using four 3/8" x 2-1/2" hex bolts, 3/8" flat washers, 3/8" lock washers and 3/8" hex nuts. **Do not tighten yet.**
3. Assemble the frame end braces over the ends of the frame tubes using eight 3/8" x 2-1/2" hex bolts, 3/8" flat washers, 3/8" lock washers and 3/8" hex nuts. **Tighten all loose bolts at this time.**
4. Assemble seven cultivator tangs to the frame tubes using seven U-bolts with fourteen 3/8" lock washers and 3/8" hex nuts. The alignment of rear tangs should be offset from front tangs. **Tighten.**

NOTE: The arrangement and the number of tangs can vary as long as the balance of the cultivator is maintained.

5. Assemble the depth gauge bars to the rear of the frame using two U-bolts with four 3/8" lock washers and 3/8" hex nuts. Attach each bar using the set of holes on the bar that will provide the desired depth of tang penetration. **Tighten.**

NOTE: For effective depth control do not position a depth gauge bar directly behind a front tang.

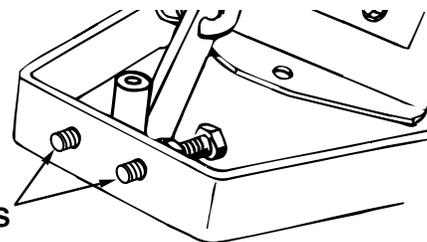
ATTACHING CULTIVATOR TO TRACTOR



CAUTION: Lock tractor lift handle in down position when attaching or removing cultivator from sleeve hitch.

Refer to your sleeve hitch owners manual.

1. Attach the cultivator to the sleeve hitch on your tractor using the sleeve hitch pin.
2. Tighten the two stabilizer bolts and jam nuts to eliminate looseness in the hookup.
3. Adjust the sleeve hitch so that the cultivator is free to go below ground level but can still be raised an adequate distance above ground for transport.
4. The stabilizer bolts and jam nuts should be loosened before removing the cultivator from the sleeve hitch.



TRACTOR SLEEVE HITCH

OPERATION

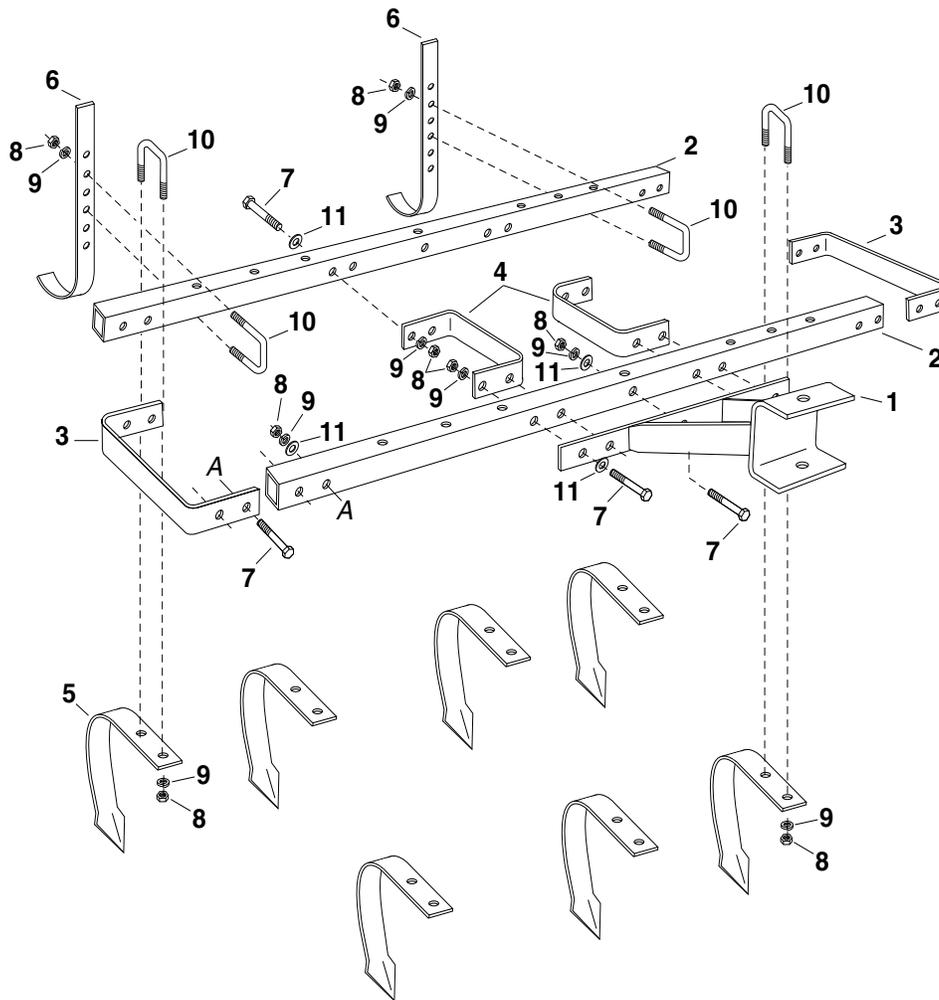
The cultivator may be used for breaking up compacted soil, for working loose soil and for cultivating between crop rows. For improved traction use wheel weights and/or tire chains.

1. Drive at a slow speed when cultivating soil.
2. Adjust the positions or remove cultivator tangs as needed for working between rows.
3. Adjust working depth of tangs by raising or lowering the depth gauge bars. Select the appropriate set of adjusting holes for conditions.
4. Up to 100 lbs. of concrete blocks or other weight may be strapped or tied to the cultivator frame to improve penetration. The cultivator should be attached to the tractor's sleeve hitch (in down position) before adding weight.
5. Do not back up when cultivator is engaged in soil.

MAINTENANCE/STORAGE

1. Check for loose bolts after each use.
2. Clean the tangs and lightly oil any exposed metal.
3. Remove all dirt and rust and touch up with paint before storing.
4. Store inside a dry area.

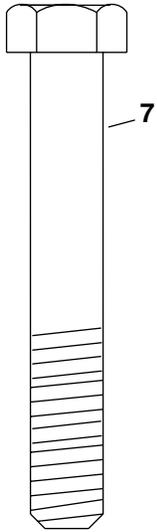
REPAIR PARTS FOR MODEL 45-0264 - ROW CROP CULTIVATOR



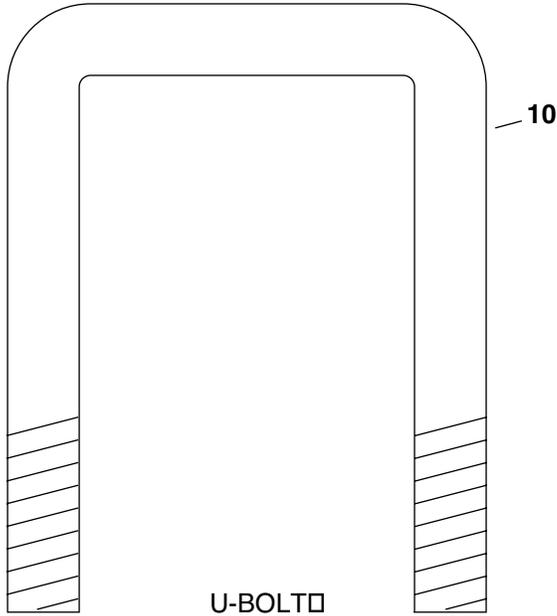
REPAIR PARTS LIST FOR MODEL 45-0264 - ROW CROP CULTIVATOR

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	63656	1	Hitch Ass'y.
2	46848	2	Frame Tube
3	24223	2	Frame Brace (End)
4	24224	2	Frame Brace (Middle)
5	43022	7	Cultivator Tang
6	24238	2	Depth Gauge Bar
7	43432	17	Hex Bolt, 3/8-16 x 2-1/2" Lg.
8	43015	35	Hex Nut, 3/8-16 Thread
9	43003	35	Lock Washer, 3/8"
10	46853	9	U-Bolt, 3/8-16 Thread
11	43070	17	Flat Washer, 3/8" Std. Wrt.
	47054	1	Owners Manual

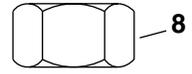
FULL SIZE HARDWARE CHART



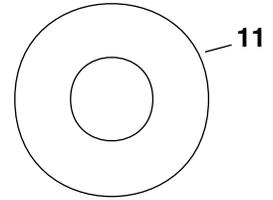
3/8" x 2-1/2"
HEX BOLT
(17 pcs.)



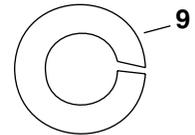
U-BOLT
(9 pcs.)



3/8" HEX NUT
(35 pcs.)



3/8" FLAT WASHER
(17 pcs.)



3/8" LOCK WASHER
(35 pcs.)

REPAIR PARTS
303 West Raymond
Sullivan, IL. 61951
217-728-8388