

# Owners Manual

## Coulter Kits #10234

Sold after 5/2007

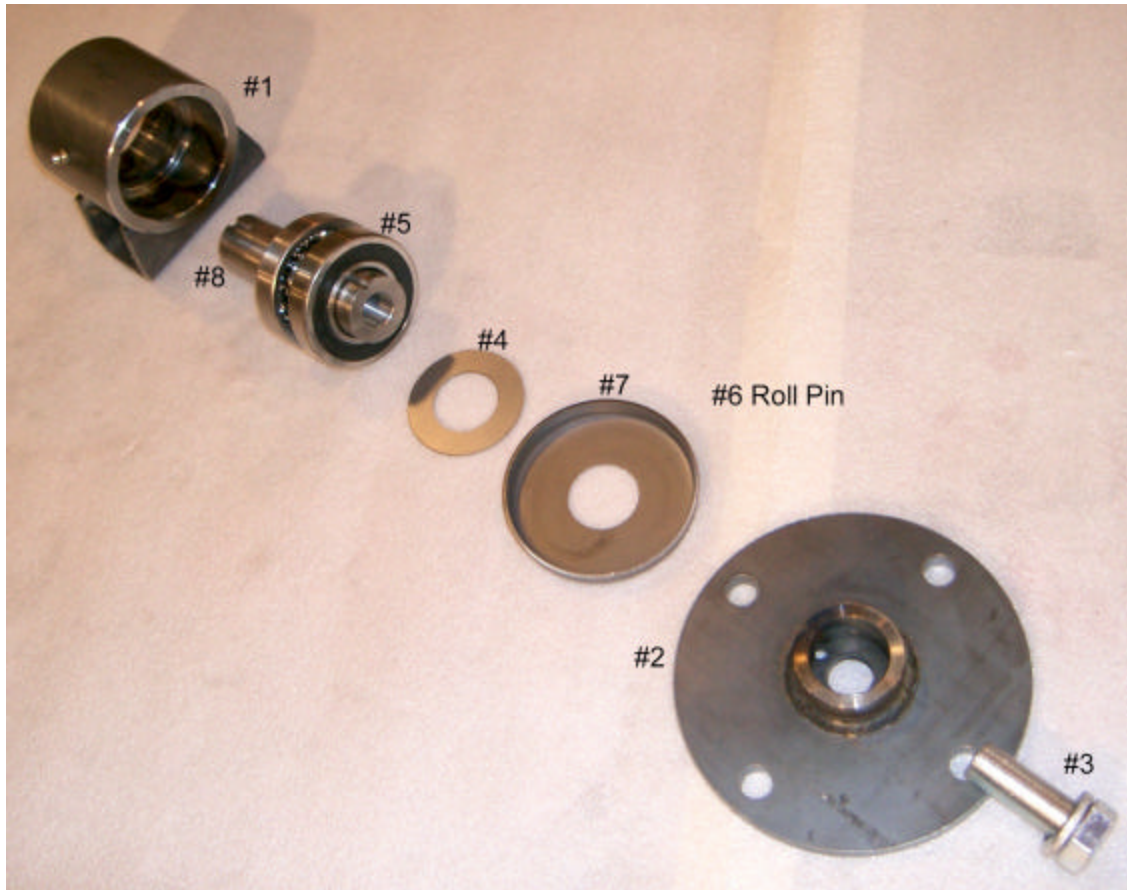


**Ron's  
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Grease every 8 hours of use.



Parts list	No. needed	Part No
#1. Bearing center support	1	1248
#2. Hub plate with bearing cover and spacer	2	1140
Spacer only	2	1141
#3. 3/4" x 2" fine thread bolt	2	502
#4. Spacer washer	2	146
#5. 6207 bearing	4	152
#6. 1/4" x 1" roll pin	2	203
#7 Cup washer	2	165
#8 Shaft	1	1159
Mounting bolts, 1/2" x 2" or 2 1/4"	2	405 or 406
Coulter blade mounting bolts, 1/2" x 1"	8	411
1/2" nuts for mounting, flange	2	302
1/2" nuts for blades, flange	8	302
18" 13 wave 3/4" wave blade	2	133418
18" 13 wave 1" wave blade	2	1312018
Complete kit	1	10234

# WARNING

1. **Before installation** of coulter kits **block up** or **lock up with cylinder lock** on the chisel plow.
2. **Follow all the safety instructions** from the chisel plow operator's manual.
3. **Turns**, with the coulter in the ground, may result in damage to the coulter kits or the chisel plow.
4. **Initial lubrication** of all grease fittings is required. **Lubricate** all kits after **ever 8 hours of operation**. Schaeffer # 274 Moly Ultra Supreme EP#2 grease is recommended.
5. When replacing a bolt, use only a bolt of the same grade or higher.
6. Make sure all bolts are tight.

## Installation Instructions

- 2" x 1/2" bolt and "flange" 1/2" nut for mounting to shank. Put the bolt in from the back and the flange nut in the "saddle" of the kit.
- If your shank has **slotted holes** you must have about 1/4" of **washers** on the bolt that is in the slotted hole. This will keep the bolt head from working into the slotted hole.
- 1" x 1/2" bolts and "flange" nuts for the coulter blades put the flange nut on the hub side (bolt from the blade side).
- **Make sure all bolts a tight.**

On some chisel shanks, the bolt hole are 7/16" they need to be reamed to 1/2" to mount the conversion kits.

# Trouble shooting and some fixes

## What to do if the coultter kit doesn't penetrate deep enough?

- Make sure the cylinder/hydraulic stops are set to allow the machine will lower.
- Machine is to lite, need to add weight, see next.

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## What to do if the chisel plow isn't heavy enough?

- You can add weight to the frame of you machine, tractor weights, a homemade rock box, etc. to the frame. See examples on the next page.

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## What to do if kit is loose on the shanks?

- The ½" bolts have to be vary tight.
- If the bolt holes in the shank is lose (larger then a ½" hole) either use a larger bolt and ream out the holes on the coultter kits or use a bushing on the bolts that goes thru the shank.
- **Loctite** thread locker (red #277) can be used on the mounting bolts.

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## The coultter blades are coming of the hubs.

- Made sure the bolts are tight.
- The locking flange nuts need to be on the inside (next to the hub plate) not next to the blade.
- **Loctite** thread locker (red #277) can be used on the bolts.

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## The kits are tipped sidewise when I'm going in the field.

- The shank bushings or the bushing pin is worn. Replace worn parts
- The shank spring is lose or not tightened equally. Tighten springs
- The shank is rubber mounted, (harder to fix) try welding irons on the frame on both sides of the shank.

## Repair instruction

If you have the hub plate come off we would like you to use some **Loctite** retaining compound #660, after the parts are cleaned with spray brake cleaner or **Loctite** cleaner, on the shaft and the hub spacer. On the bolt use some **Loctite** thread lock, red like #277, clean the threads like the shaft and hub.

Examples of different weights added to chisel plows when using coulters kits.



Tractor suit case weights.



Iron from a salvage yard



Tractor wheel weights



A home made rock box topped with concrete