

Owners Manual

Coulter Kits #10234

Sold after 5/2007

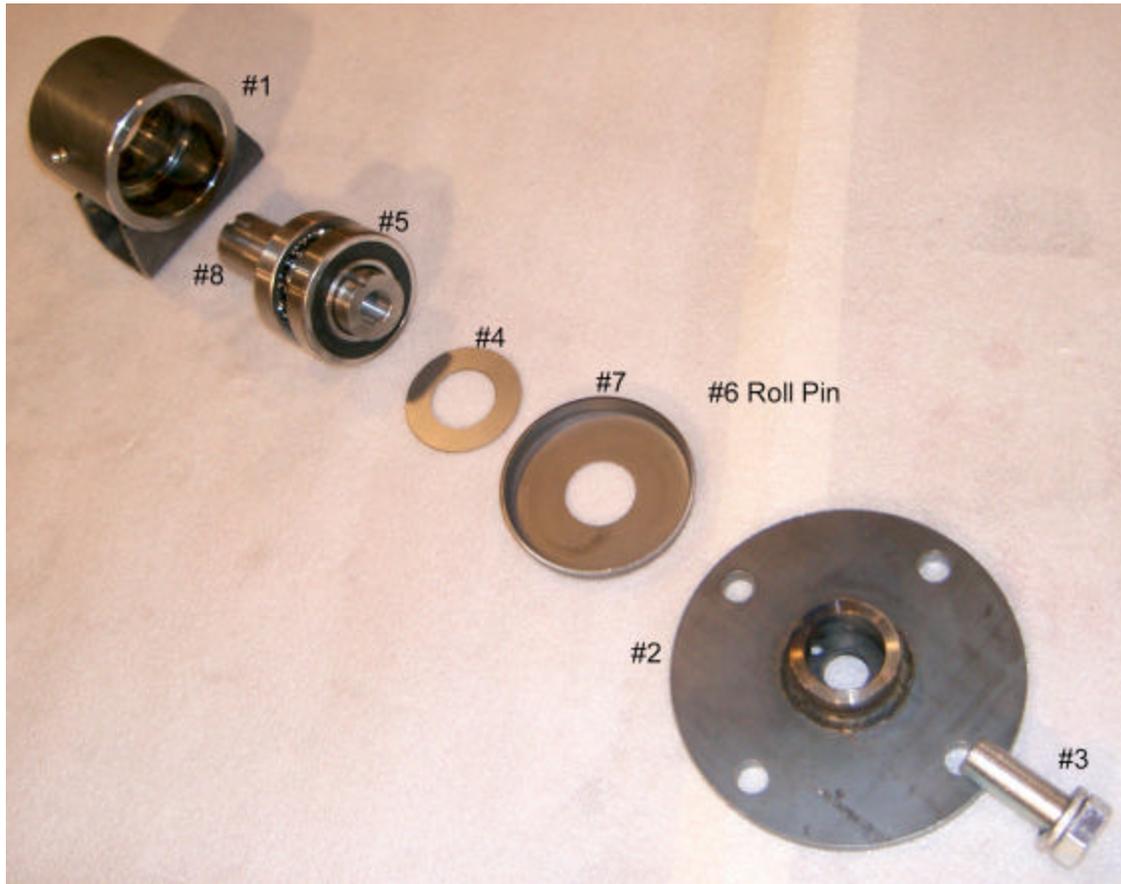
**Ron's
Manufacturing**

605-354-7267

ronsmfg.com



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 coulter 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.

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.

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 coulter 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.

The coulter 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.

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