



**A&B EQUIPMENT INC.**

**EAGLE LINE**

2315 U.S. Highway 11 S. Sweetwater, TN. 37874-5059

PHONE: (423) 337-2390

FAX: (423) 337-2338

EMAIL: [sales@ab-eagleline.com](mailto:sales@ab-eagleline.com) WEBSITE: [www.ab-eagleline.com](http://www.ab-eagleline.com)



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# **BOTTOM PLOW OWNERS MANUAL**



# **MOLDBOARD PLOWS**

# To The Owner:

Read this manual before using your moldboard plow. The information presented will prepare you to do a safer, better job. Study this manual and become acquainted with all adjustments before attempting to operate your new implement.

This moldboard plow has been carefully manufactured to provide dependable and satisfactory use.

Observe all safety information in this manual.

## **WARNING**

Be sure that the tractor's front end is weighted to maintain stability. Tractor front end weight should be at least 20% of the total tractor weight with the equipment in the raised position.

## **WARNING**

To avoid tire damage always check the tire clearance immediately after making top link, and / or wheel spacing adjustments.

## **WARNING**

The plow is equipped with shearbolt protection. Replace the shearbolt with a grade 2 bolt only. Use of a stronger bolt will void the warranty and may damage the plow.

# SAFETY SUGGESTIONS:

1. Read and understand the owner's manual for both the tractor and the implement.
2. Do not walk on the implement.
3. Do not adjust implement while it is in motion.
4. Keep all bolts tight, and all nuts in place.
5. Do not work on or under the implement.
6. Do not stand between implement and tractor.
7. Keep implement in good operating condition.
8. Operate all controls from tractor seat.
9. Only the operator should be allowed on the tractor during operation.
10. Use front weights according to your tractor manual to provide front end stability.
11. Always lower the implement to the ground when not in use.
12. Use extreme care when transporting implement particularly over rough ground, ditches, or slopes.
13. Do not transport over 10 miles per hour.
14. Before performing any maintenance or inspecting an implement, lower to the ground, turn off tractor engine and block as required.

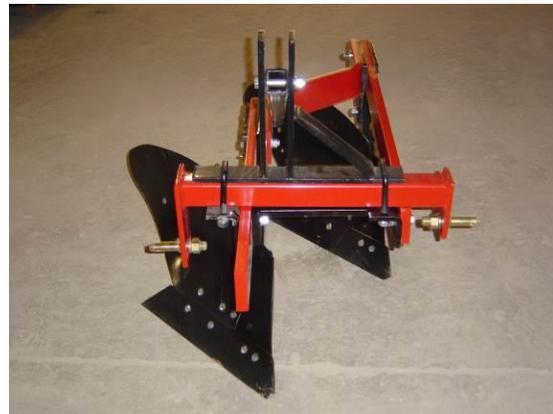
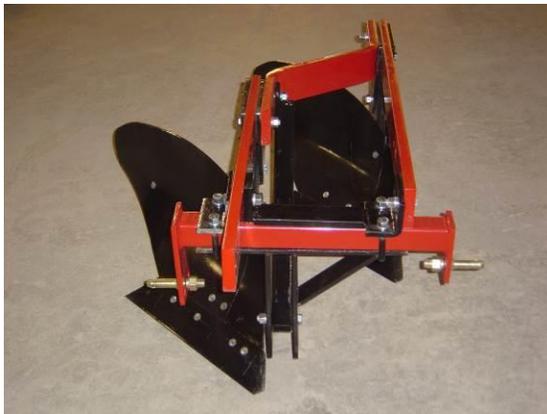
# Plow Assembly Instructions

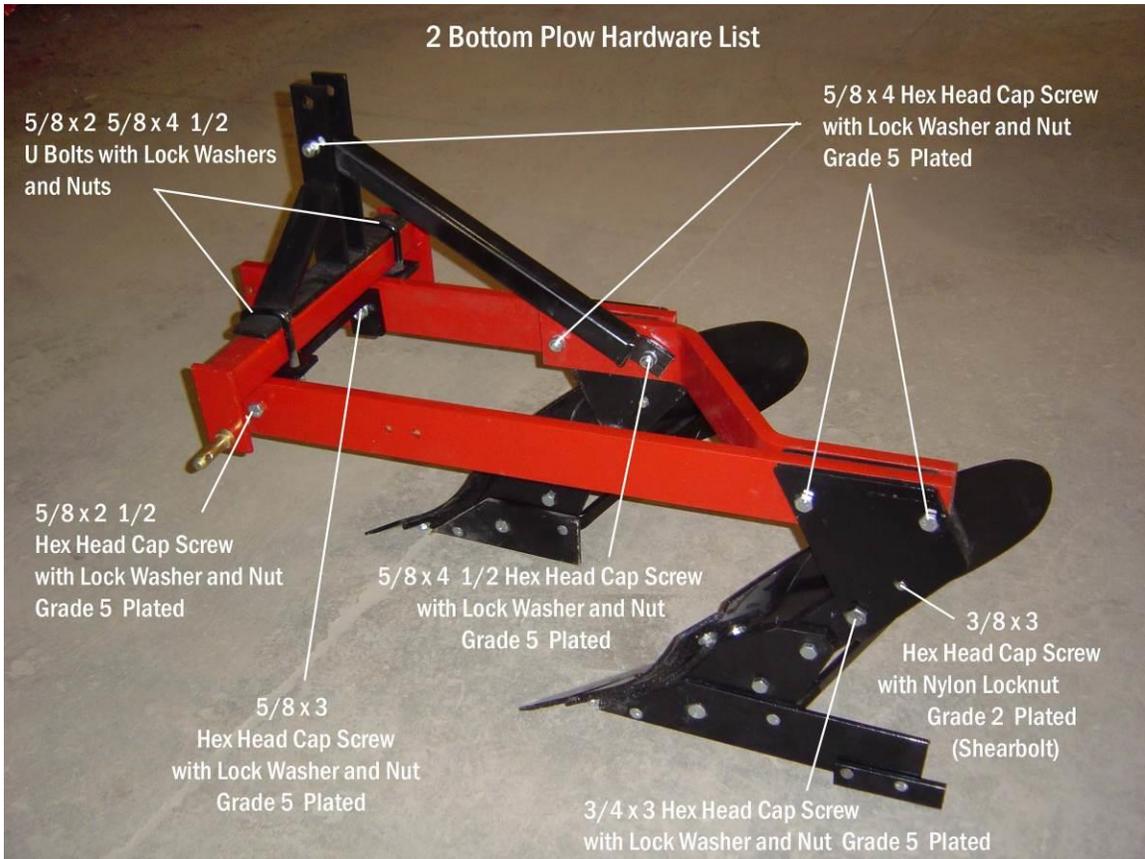
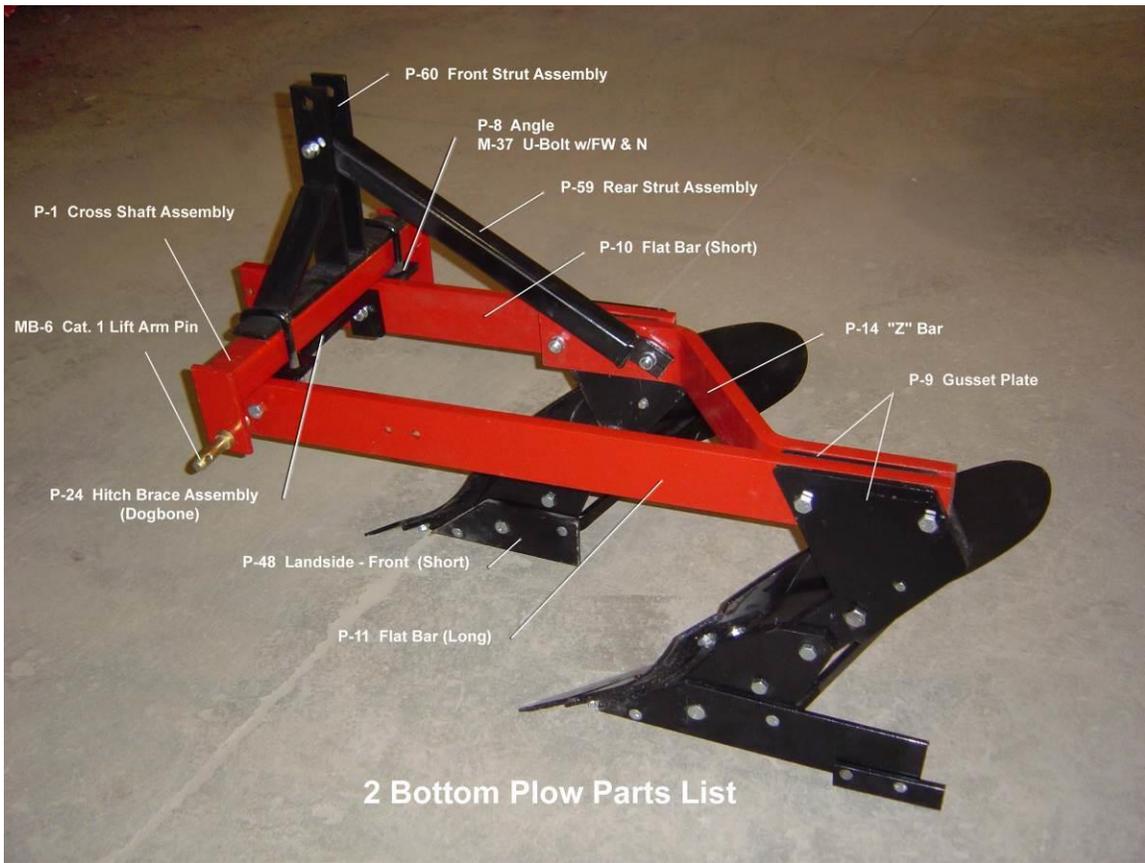
Plows are shipped with the 3-point hitch in the down position to save on shipping costs. Before you can use the plow, it must be assembled in the upright position.

The instructions for doing so are as follows:

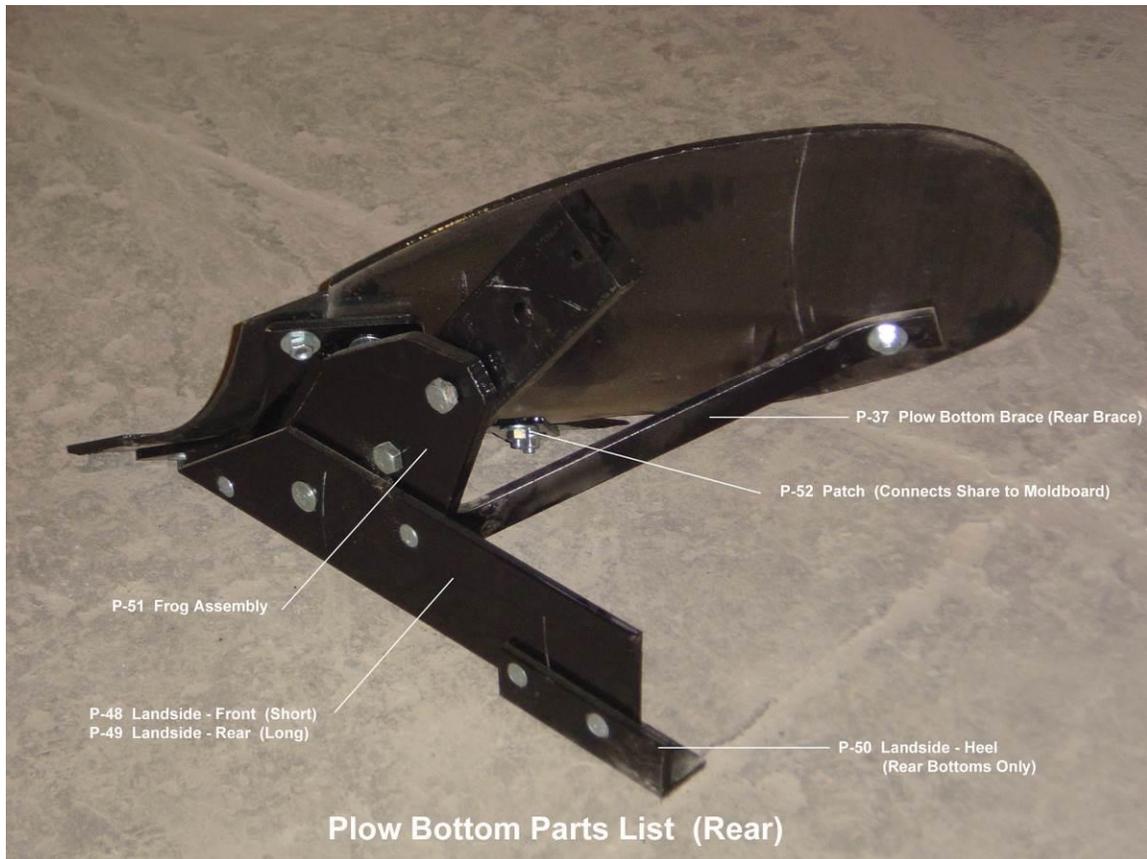
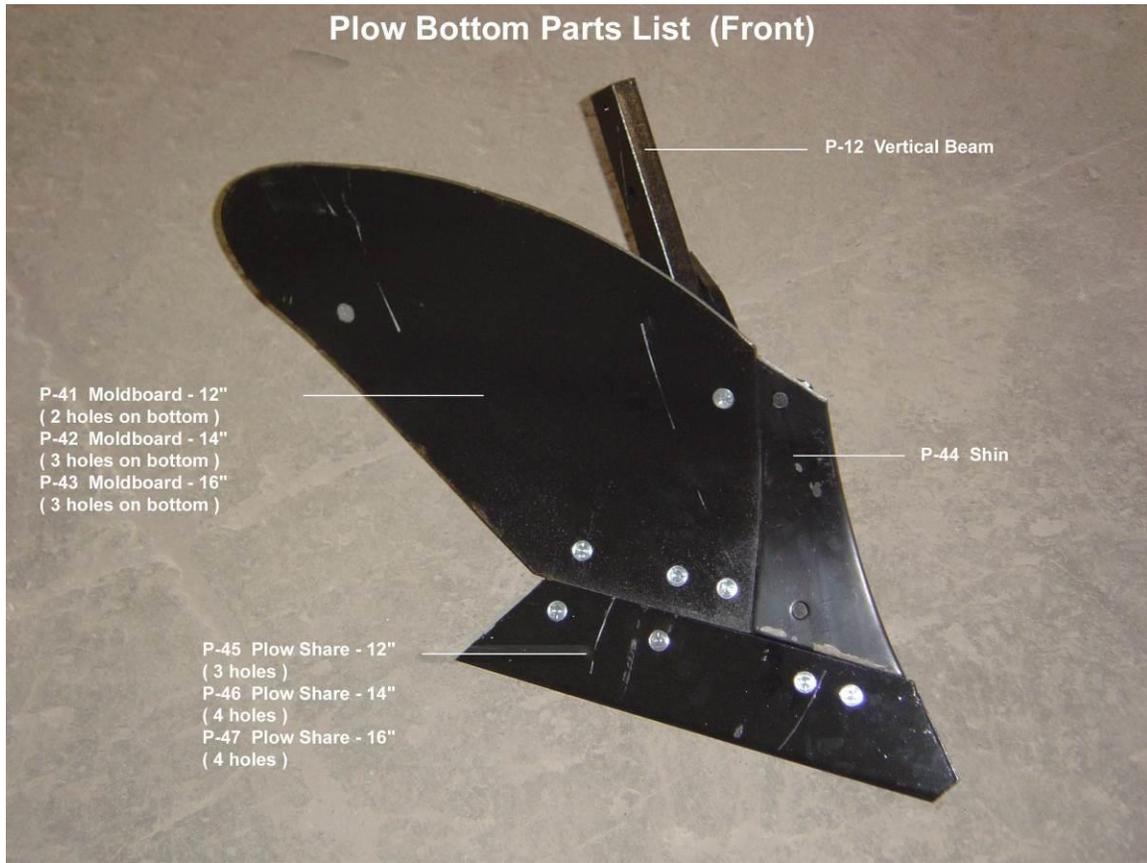
Refer to the next 6 pictures for parts descriptions.

1. Remove the 5/8" nut from the back of the Rear Strut Assembly ( P-59 ), but do not remove the bolt.
2. Loosen the 5/8" nut at the front end of the Rear Strut Assembly ( P-59 ), but do not remove it.
3. Remove the U-Bolts ( M-37 ) from the Hitch Brace Assembly ( P-24 ) and the Angle ( P-8 ) that are holding the Cross Shaft Assembly ( P-1 ) in place.
4. Lay the Front and Rear Strut Assembly ( P-60 & P-59 ) and the Cross Shaft Assembly ( P-1 ) aside temporarily.
5. Loosen the 5/8" x 3" and the 5/8" x 2 1/2" bolts & nuts securing the Hitch Brace Assembly ( P-24 ) and the Angle ( P-8 ) in place. Then rotate them both 180 degrees and re-tighten them.
6. Reposition the Cross Shaft Assembly ( P-1 ) on top of the frame over the Angle ( P-8 ) and the Hitch Brace Assembly ( P-24 ). Then take the Front & Rear Strut Assembly ( P-60 & P-59 ) and reverse the direction of the Rear Strut Assembly ( P-59 ), and reposition it on top of the Cross Shaft Assembly ( P-1 ).
7. Reinstall the U-Bolts ( M-37 ) and the 5/8" nut on the Rear Strut Assembly ( P-59 ).
8. Re-tighten all fasteners beginning with the Rear Strut Assembly ( P-59 ).
9. Remove the Category I Link Pins ( MB-6 ) and turn them around and re-tighten them. The plow is now ready to use.



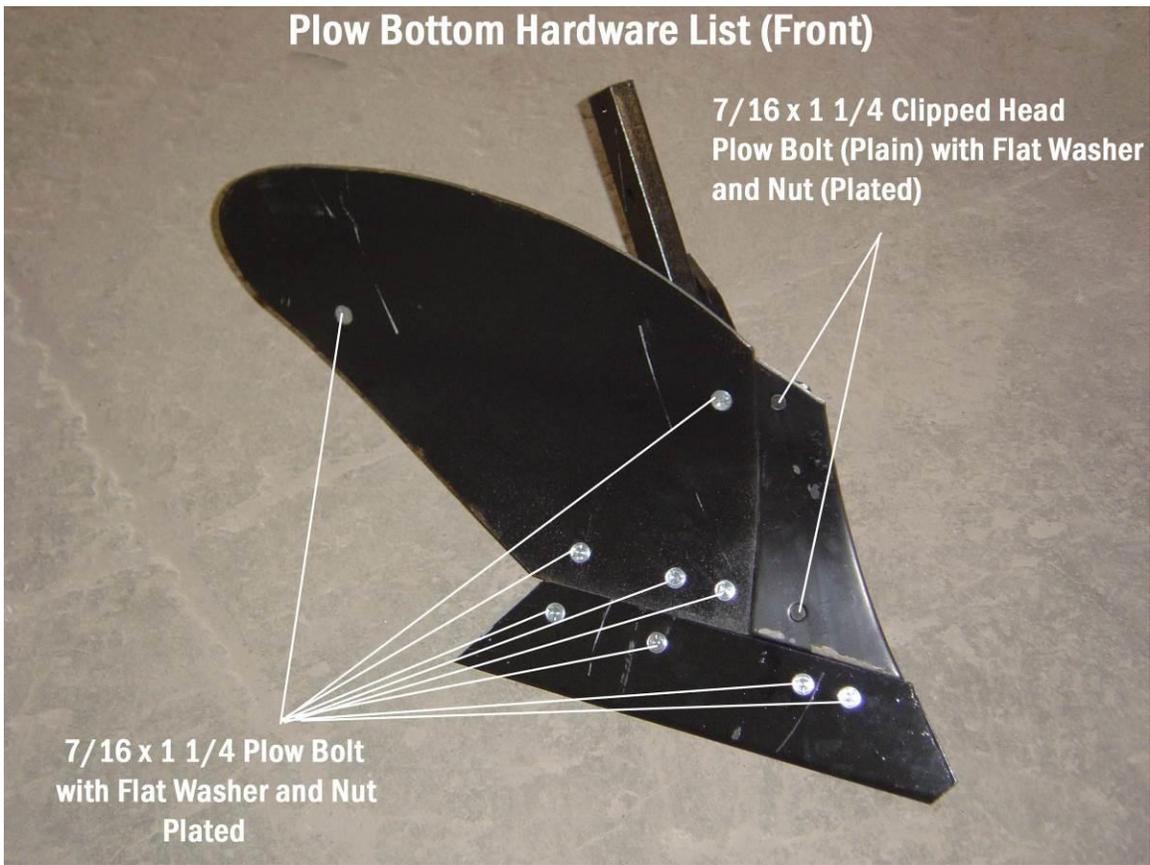


## Plow Bottom Parts List (Front)

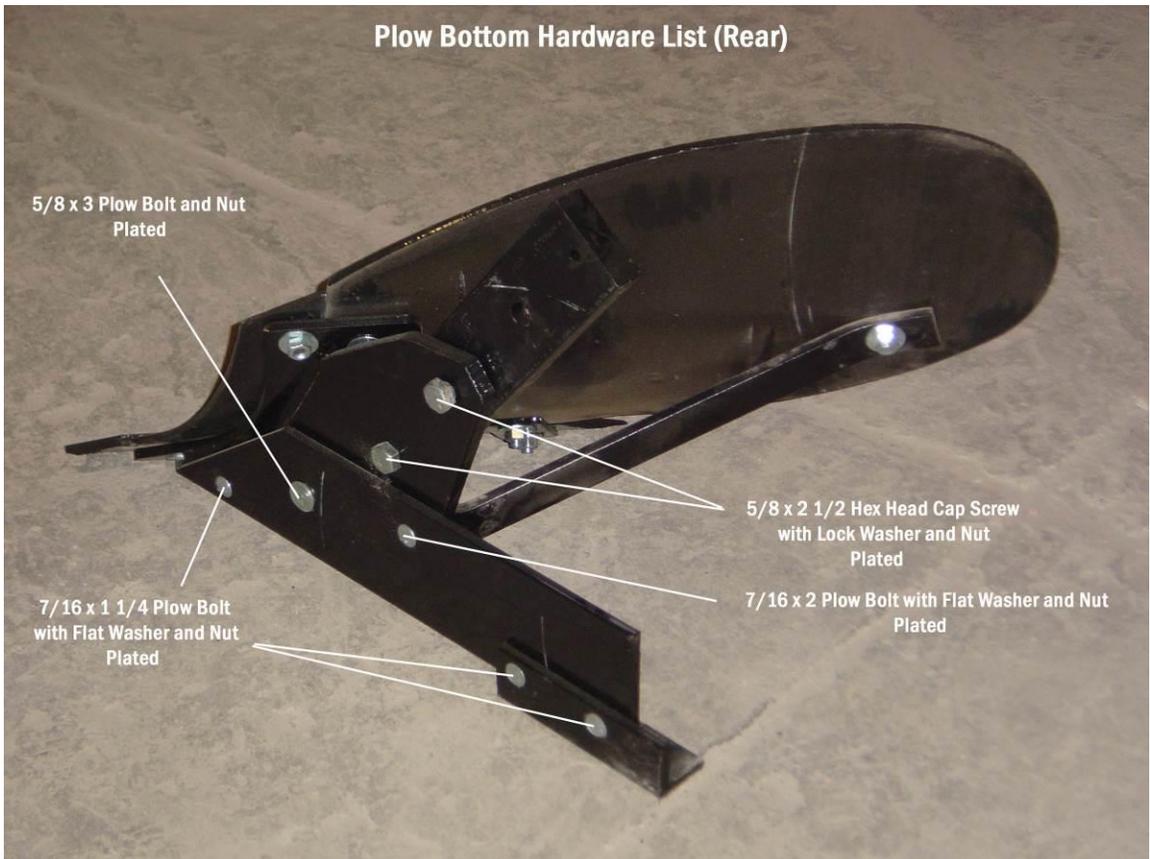


## Plow Bottom Parts List (Rear)

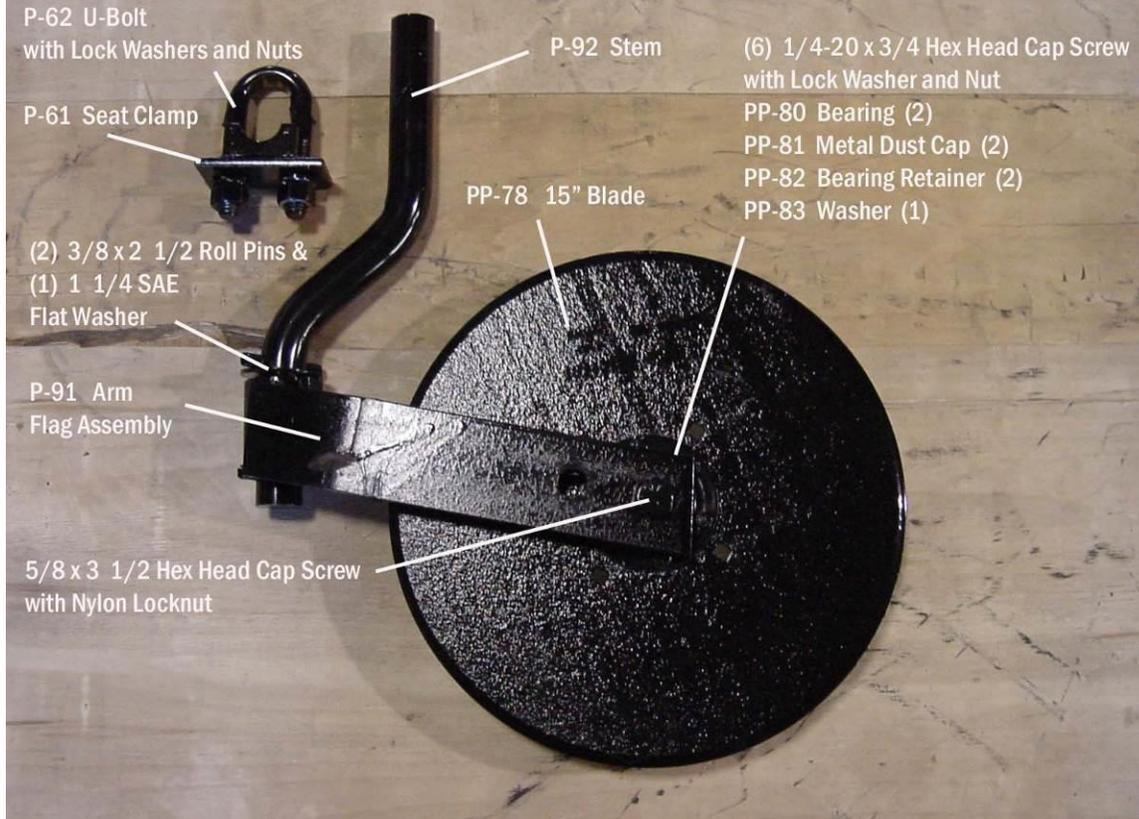
### Plow Bottom Hardware List (Front)



### Plow Bottom Hardware List (Rear)



## Coulter Parts and Hardware List



## Gauge Wheel Parts and Hardware List



# Plow Coulter

NOTE: Rolling Coulters should be used on plows at all times. With disc coulters correctly set, plowing will be smoother and neater. Plows will pull easier.

The rolling coulter disc outlines the cut of the plow bottom. It cuts through sod, surface trash, aids in securing clean, uniform furrows, reduces draft and lessens wear on the cutting edge of the plow bottom.

## Coulter Mounting

Mount the Coulter Stem on the plow frame using the “U”-bolt ( P-62 ) and Seat Clamp ( P-61 ) as shown on the following page. Tighten only until snug.

## Coulter Adjustment

To adjust the Coulter, twist the stem to get the lateral adjustment, and raise or lower it to get the proper height.

The rolling Coulter should only be positioned far enough to the left of the Landside ( P-48 or P-49 ) to allow a clean, straight furrow wall. For average conditions set the Coulter Blade ( PP-78 ) between a 1/2 inch and 5/8 inch to the left of the Landside. Loose ground and tough scouring conditions will sometimes require the coulter to be set a little wider. The rolling Coulter should be set deep enough to cut trash and leave a clean furrow wall. It should not be run too deep or it will push trash instead of cutting it. Under all conditions, try to maintain a greater distance between the top of the shin ( P-44 ) and the rear of the Coulter blade and a lesser distance between the bottom of the Coulter blade and the Shin. In hard ground conditions raise the Coulter to reduce the tendency toward riding the plow out of the ground. In light and loose soils, especially when there is heavy or rough trash, move the Coulter down. Tighten “U” bolts ( P-62 ) when adjustments are completed. Note: Coulter blades must be kept sharp.



# Gauge Wheel

The Gauge Wheel is shipped assembled and has only to be bolted to the Flat Bar ( Long ) ( P-11 ) using the Clamp Assembly ( P-63 & P-64 ) with lock washers and nuts provided. Depth adjustment is made by sliding the Gauge Wheel through its clamp. Position the Gauge Wheel near the Coulter on Flat Bar ( Long ) ( P-11 ).

## Cross Shaft & Link Pin Adjustments

After connecting the plow to the tractor, it is necessary to adjust the plow so that it is trailing the tractor correctly to obtain optimum performance.

In these instructions, when referring to the left or right, please note that left and right is as if you were sitting on the tractor.

To obtain optimum performance, you must position the plow so that the outer tip of the Plow Share ( P-45, P-46 or P-47 ) is trailing near the center of the right rear tractor tire. This can be achieved by loosening the U-Bolts ( M-37 ) holding the Cross Shaft Assembly ( P-90 ) to the frame and slide it to the left or right. It will also be necessary to adjust the lift arms and turnbuckles on the tractor as well.

To adjust the amount of resistance, you can reposition the right Link Pin ( MB-6 ) forward or backwards. Moving the Link Pin forward decreases the amount of resistance and or cut. Moving the link pin backward increases the resistance and or cut. After you make your first furrow or pass, you may have to re-adjust the plow because the right rear tractor tire will then be traveling in the previous cut furrow.



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## **LIMITED WARRANTY**

A & B Equipment, Inc. warrants its products to be free of defects in material and workmanship for a period of 1 year from the date of purchase, under normal use and service providing the equipment is purchased for individual and not commercial use. Defective parts must be returned to A & B Equipment, Inc. at owner's expense for inspection. The obligation of A & B Equipment, Inc. under this warranty shall be limited to shipment, to the original purchaser at retail, of the parts of equipment intended to replace the part or parts acknowledged by A & B Equipment, Inc. to be defective in material or workmanship and does not include any installation or transportation costs. No warranty is made with respect to items made by others, since such items are warranted by their respective makers. No liability is assumed for expenses or damages resulting from the malfunction or interruption in operation of equipment.

This warranty does not apply to any equipment which has been damaged, in any accident, or by fire, flood, act of God, or which has been subjected to abuse, misuse, negligence, alterations, and / or tampering.

Purchaser's exclusive remedy for breach of warranty, other defect, or conduct giving rise to liability shall be the repair or replacement of the product sold, and the manufacturer under no circumstances shall be liable for economic loss or incidental consequential damages. Effective upon the expiration of this limited warranty ( one year from the date of purchase), the manufacturer disclaims all implied warranties, including the warranty of merchantability and fitness.

A & B Equipment, Inc. reserves the right to make improvements and changes in specifications without notice or obligation to modify previously sold units.

