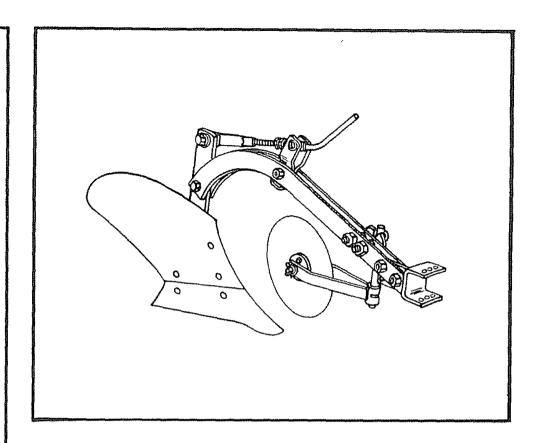


## OWNER'S MANUAL

MODEL NO. 757.242330



Read Rules for Safe Operation and Instructions Carefully



# CRAFTSMAN.

# 10-INCH MOLDBOARD PLOW

FOUR 55 POUND WHEEL WEIGHTS, ONE FRONT WEIGHT BRACKET, AND A SLEEVE HITCH ACCESSORY ARE REQUIRED FOR OPERATION. ALSO, TIRE CHAINS ARE RECOMMENDED

- Assembly
- Installation
- Operation
- Repair Parts

## LIMITED ONE YEAR WARRANTY ON MOLDBOARD PLOW

For 1 year from the date of purchase, when this Moldboard Plow is maintained and lubricated according to the operating and maintenance instructions in the owner's manual, Sears will repair, free of charge, any defect in material or workmanship.

This warranty does not cover:

---repairs necessary because of operator abuse or negligence including the failure to maintain the equipment according to instructions contained in the owner's manual; and Moldboard Plow used for commercial or rental purposes.

WARRANTY SERVICE IS AVAILABLE BY RETURNING TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES. This warranty applies only while this product is in use in the United States.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

SEARS, ROEBUCK AND CO., D/817 WA, Hoffman Estates, IL 60179, U.S.A.



## RULES FOR SAFE OPERATION

- Know controls and how to stop quickly, READ THE OWNER'S MANUAL.
- Do not allow children to operate the vehicle, do not allow adults to operate without proper instruction and without having read the owner's manual.
- Do not carry passengers. Keep children and pets a safe distance away.
- Always wear substantial footwear. Do not wear loose fitting clothing that can get caught in moving parts.
- Keep your eyes and mind on your tractor/attachment and area being covered. Don't let other interests distract you.
- Stay alert for holes in the terrain and other hidden hazards.

- Keep the vehicle and attachment in good operating condition and keep safety devices in place.
- Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
- The vehicle and attachment should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
- See tractor equipment owner's manual for safe operation of the equipment.
- Do not drive close to creeks, ditches and public highways
- Watch out for traffic when crossing or near roadways.
- When using any attachment, don't allow anyone near the vehicle while in operation.



#### WARNING !!!

- Plow share and coulter blade edges are sharp!!! Wear gloves when handling.
- Always LIFT the plow before turning!!
- Lock Tractor Lift Handle down when installing or removing plow!



LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS - ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED. CONGRATULATIONS on your purchase of a Sears Craftsman 10" Moldboard Plow. It has been designed, engineered, and manufactured to give you the best possible dependability and performance.

Should you experience any problem you can not easily remedy, please contact your nearest Sears Service Center/Department. We have competent, well trained technicians and the proper tools to service or repair your PLOW.

Please read and retain this manual. The instructions will enable you to assemble and maintain your Plow properly. Always observe the "SAFETY RULES"

- THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A DECAL ATTACHED ON THE SIDE OF THE PLOW BEAM.
- YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

MODEL NUMBER <u>757.242330</u>	The second secon
SERIAL NUMBER	N. S. Contraction of the Contrac
DATE OF PURCHASE	

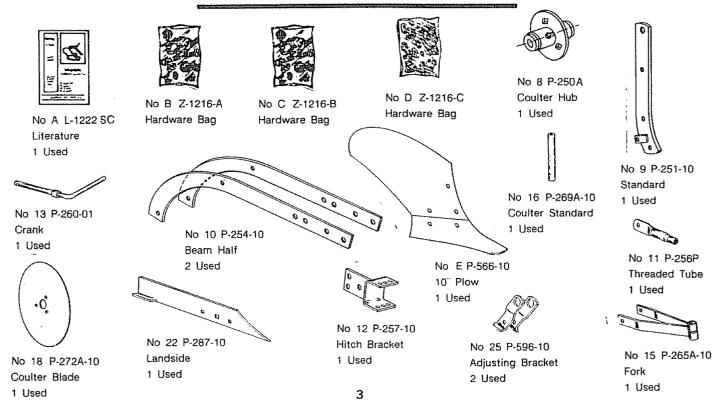
## **CUSTOMER RESPONSIBILITIES**

- Read and observe the "SAFETY RULES".
- Follow a regular schedule in maintaining, caring for and using your Plow.

### TABLE OF CONTENTS

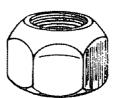
WARRANTY 2 SAFETY RULES 2 CARTON CONTENTS 3 & 4 & 5 ASSEMBLY 5&6	ADJUSTMENTS 8 & 9 CUSTOMER RESPONSIBILITY 9 TROUBLE SHOOTING 10
OPERATION	REPAIR PARTS

## CONTENTS OF SHIPPING CARTON





No 1 B-1674P Hex (Lock) Nut 5/16 3 Used



No 3 B-1678P Hex (Lock) Nut 5/8 2 Used



No 39 30M2000P Hex Nut 5/8 2 Used

## Z-1216-A HARDWARE BAG



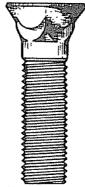
No 26 P-597 Spacer 5/8 ID x 1/2 2 Used



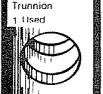
No 28 1M1624P Hex Head Bolt 1/2" x 1-1/2" 2 Used



No 29 1M1628P Hex Head Bolt 1/2" x 1-3/4" 2 Used

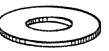


No 35 15M1632P Plow Bolt 1/2" x 2" 1 Used

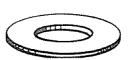




No 42 45M1111P Flat Washer, 5/16" 3 Used



No 44 45M1717P Flat Washer, 1/2 1 Used



No 45 45M2121P Flat Washer 5/8" 2 Used

## Z-1216-B HARDWARE BAG



No 7 P-234 Spacer 1/2 ID x 9/16 1 Used



No 14 P-262-01 Spacer 5/8" I.D x 5/8" 1 Used



No 17 P-270 Drive Pin 5/16" x 1-1/4" 1 Used



No 33 15M1216-R Plow Bolt 3/8" x 1 2 Used

No 38 30M1600P Hex Nut 1/2"

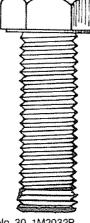
2 Used



No 31 10M1012P Carriage Bolt 5/16" x 3/4", 3 Used



No. 32 10M1624P Carriage Bolt 1/2" x 1-1/2" 1 Used



No 30 1M2032P Hex Head Bolt 5/8" x 2" 2 Used





No 2 B-1677P Hex (Lock) Nut 1 2 3 Used



No 36 30M1200P Hex Nut 38 2 Used



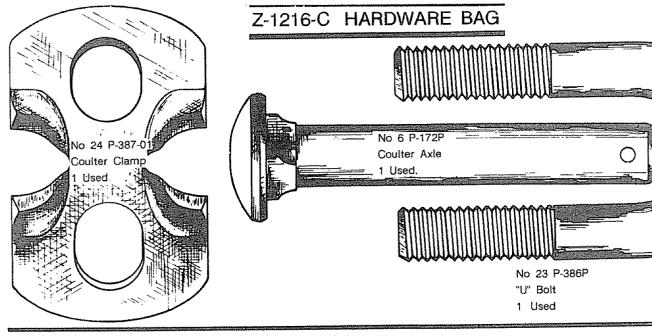
No 40 31M2000P Hex (Jam) Nut 5/8 2 Used



No 41 35M1600P Square Nut 1/2 1 Used



No 46 50M0420P Cotter Pin 1/8 x 1-1/4 1 Used



### **ASSEMBLY**

#### NOTES

- IT IS RECOMMENDED THAT YOU CAREFULLY READ THIS OWNER'S MANUAL BEFORE STARTING ASSEMBLY OF THE UNIT
- Before starting assembly, arrange each kind of hardware into a group to ease assembly.
- Right hand (R.H.) and left hand (L.H.) are determined from the OPERATOR'S position while seated on the tractor. IMPORTANT - Mower Deck must be removed when using Plow to avoid damage to your Deck.

#### PLOW FRAME

Refer to Fig 1

NOTE: Securely tighten all fasteners ONLY after Plow assembly has been completed, unless noted otherwise.

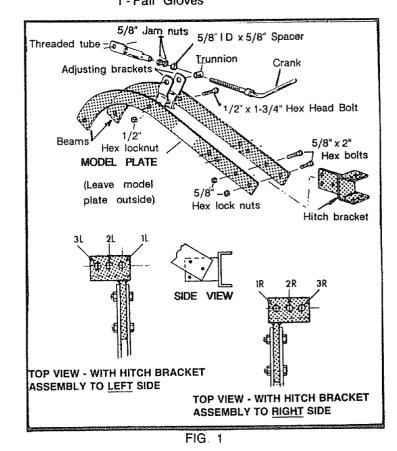
- Assemble the two adjusting brackets to the inside of both beams using one 1/2" x 1-3/4" hex bolt and one 1/2" hex lock nut.
- Slip trunnion through the hole in each adjusting bracket and insert crank through the hole in "SIDE" of trunnion, through spacer, the two 5/8" iam nuts, and then thread into the threaded tube.
- Thread one jam nut against the spacer just enough to eliminate any excessive movement of the crank against the trunnion, taking care NOT to bind crank.
- Using two wrenches, lock the other jam nut against the first.
- Before assembling the hitch bracket BETWEEN both beams refer to the chart and measure the distance BETWEEN the rear wheels on your tractor for the proper position of the bracket.

Distance Between Rear Tractor Wheels (inches)	Use Hole #
16-19	1R
19-21	2L
21-23	3L
Over 23	3L

TABLE 1

#### Tools Required For Assembly:

- 1-10" Adjustable Wrench
- 1-15/16" Wrench
- 1-13/16" Wrench
- 1-3/4" Wrench
- 1-Pair of pliers
- 1- 1/2" Wrench
- 1-9/16" Wrench
- 1 Pair Gloves



Secure with two 5/8" x 2" hex bolts and 5/8" hex lock nuts.

## PLOW BOTTOM AND STANDARD Refer to Fig. 2

- Assemble the landside to frog using two 3/8" x 1" plow bolts and 3/8" hex nuts.
- Attach standard to frog using 1/2" x 2" plow bolt and 1/2" hex nut as shown.
- Insert the 1/2" x 1-1/2" carriage bolt through frog and standard and secure with a 1/2" hex nut.
- Insert one 1/2" x 1-1/2" Hex Bolt (Tracking Adjusting Bolt) through the "tab" at the bottom of standard. Place the 1/2" Square nut between the "Tab" and Frog, and thread the Tracking Adjusting Bolt into the square nut until tight.
- Tighten all fasteners securely.
- PLOW FRAME AND BOTTOM (Refer to Fig 3)

  Straddle the beams over standard and fasten together at the LOWER hole in the standard with one 1/2" x 1-3/4" bolt and 1/2" hex lock nut.
- ◆ Attach end of threaded tube to side of standard at the UPPER hole with a 1/2" x 1-1/2" hex bolt followed by the 1/2" flat washer, then place the 9/16" spacer in the hole in standard and secure this assembly with one 1/2" hex lock nut.
- Tighten these fasteners so that the threaded tube is free to pivot

### COULTER BLADE (Refer to Fig. 4)

- Insert coulter standard into fork, align the holes and drive the 5/16" x 1-1/4" pin through, leaving an equal amount of pin on each side.
- $^{\odot}$  Attach the coulter hub to the coulter blade using three 5/16" x 3/4" carriage bolts, 5/16" flat washers, and 5/16" lock nuts
- Install the coulter blade on the fork by inserting the axle through one leg of the fork, the coulter hub, and other leg of fork. Secure with the two 5/8" flat washers and 1/8" x 1-1/4" cotter pin, bend the legs over.
- Attach the coulter assembly to the plow beam as shown, using the "U" bolt, coulter clamp, two spacers (locate BETWEEN the plow beams), and secure with two 5/8" hex nuts.
- Position the coulter standard between the "U" bolt and coulter clamp and move up to the highest position.
- Refer to the coulter adjustment section for proper setting, to be adjusted AFTER you begin plowing.



#### WARNING

The "Attachment Clutch" Switch on dash of Tractor (device that engages Tractor Mower) needs to be ENGAGED at all times while operating Tractor. This actuates the Operators Sensing Device in the Tractor seat ---Tractor Engine will stop in case you dismount or fall off Tractor. Failure to actuate this device can cause personal injury or damage to your Tractor and Property if you were to fall off. SWITCH MUST BE DISENGAGED IN ORDER TO RESTART ENGINE!

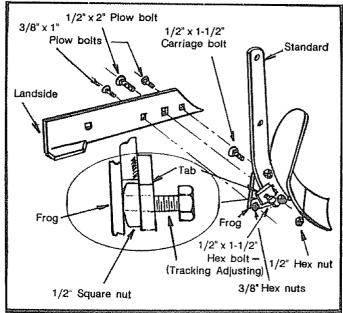


FIG 2

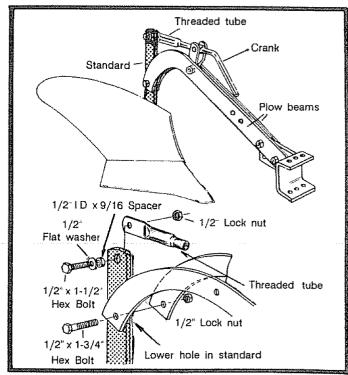
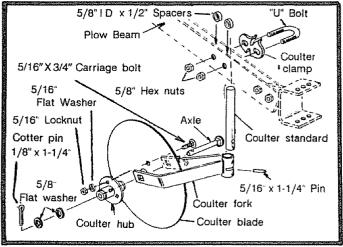


FIG. 3



6

#### **OPERATION**

PREADJUSTMENT (Refer to Fig. 5 and 6)

Note: During normal plowing, the right side Tractor Wheels will be riding in the previously plowed furrow. A furrow is the cut area your plow makes when turning the soil. An initial setting for your plow is required to cut the first furrow on level ground. The following pre-sets will result in an approximate 5" to 6" plowing depth.

- Remove Stabilizer Bolts and Nuts from Sleeve Hitch.
  The plow must be free to move side to side on Hitch.
- Lower your Tractor Lift Handle and lock in Lowered Position. You may need to Lower the "Attachment Depth Control" on your Tractor to do this.
- Mount the Plow to the Sleeve Hitch with the Hitch Pinfurnished with the Hitch. Refer to Figure 1 and Table 1 to select the proper mounting hole.
- Adjust Lift Spring Tension on Hitch as required, see Hitch Manual for instructions
- Adjust the Depth Crank of Plow until Point of Plow Share is on the ground and the rear of Plow Landside is approximately 1" off the ground. (Refer to Figure 5)

Note: The Plow will appear to be angled to left. This will allow the Plow to run level when the Right Hand Tractor Wheels are in the plowed furrow.

- The plowing depth is set by adjusting the Tractor Sleeve Hitch Turnbuckle until Hitch Drawstrap has about 1" of slot exposed between Pin and end of Slot. Loosen the Hex Nut on the Hitch Turnbuckle to adjust it. Make sure to retighten it after adjusting.
- Adjust the Plow Coulter to its highest position.
- Go and make your first two furrows as described in the diagram (X to A and turn B to C). Make sure the Tractor Lift Handle is Lowered and Locked into the down position. Plow in Third Gear and near Full Throttle. Raise the Plow to the Transport Position when turning.
- If your Plow is not plowing at 4" to 5" deep on your initial two passes, readjust the Plow Depth Crank by turning it clockwise (-) to go deeper or counter-clockwise (-) to go shallower. (See Fig. 8) Make this adjustment ONE TURN at a time until desired depth is obtained.

Note: The rest of the furrows will be made with the Tractor Tires in the previously cut furrows; therefore, the Pitch (Depth) of the Plow must be readjusted to a 5" to 6" plowing depth.

- Position your Tractor with the inside of the Right (Side) wheels against the side of the previously plowed furrow.
- Start plowing for a short distance and check the depth of the furrow. Adjust the Depth Crank Clockwise or Counter-Clockwise ONE turn at a time and retry until the 5" to 6" depth is obtained.

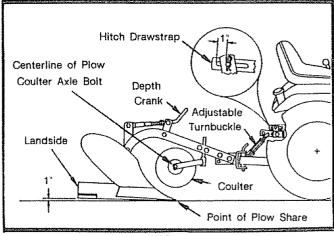


FIG. 5

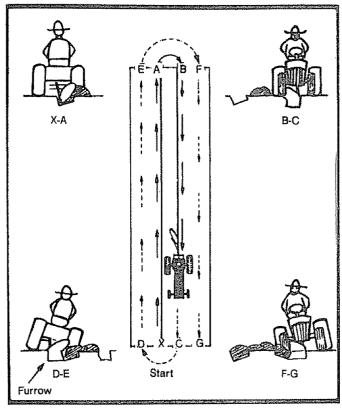


FIG. 6

● After plowing depth is set with plow in furrow, stop the Tractor and measure the distance from the centerline of the Plow Coulter Axle Bolt --- it should be about 2" above the ground. If it is not, raise the Plow out of the ground and adjust the Coulter up or down to obtain this dimension. Be sure to adjust side motion at this time. (See Coulter Adjustment page 8)

#### TRACKING ADJUSTMENT (OPTIONAL)

Note: If the Plow appears to track to the left while plowing, an adjustment is available to correct this condition. (Refer to Figure 9)

The Tracking Adjustment is made by loosening both 1/2" Hex Nuts securing the Plow Bottom to the

Standard and turning the Tracking Adjustment Bolt Clockwise ( ) two turns. Retighten Hex Nuts securely. Repeat Adjustment as necessary until plow pulls straight at 10" from the adjacent plowed swath.

#### PLOWING TIPS

- High weeds or grass must be cut down with a rotary mower before plowing.
- NEVER plow when soil is wet. A rule of thumb is to pick up a handful of soil and roll it into a "ball". If soil does not crumble, it is too wet. If the soil is too dry, it may be difficult for the plow to penetrate properly
- Avoid low areas, old roadways, paths, and other places where soil is overly packed.
- Expect to have some difficulty plowing thick sod. However, by using the proper settings for Coulter, Hitch, and Crank, you should be able to do a good job under most conditions.
- Do not tighten Stabilizer Bolts, the plow must be free to sway from side to side. (Refer to your Hitch Manual)
- Your 10" Plow will generally work best at a depth of 5 to 6 inches.

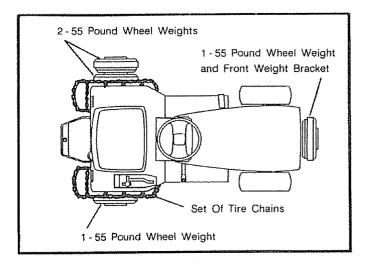
#### **TRACTION**

- Four 55 lb. weights are required Refer to diagram for positioning them See your local Sears Store or Catalog outlet for purchase of weights.
- Tire Chains: Tire Chains or Rear Chevron Tires (Agricultural Tires) are also recommended with the plow. Again, see your local Sears Store or Catalog Outlet or refer to your Tractor Owner's Manual for tire size.
- When plowing heavy clay soil or sod, it will help to reduce the width of the plow cut. This can be accomplished by hitching the plow one or two holes to the LEFT of the recommended setting, (Refer to Fig. 1)

- Lay out your field to be plowed, and if possible make it rectangular in shape. Note: It is easier to plow a few long furrows than many short ones. Leave some room at each end of the field for turning your tractor.
- ALWAYS LIFT THE PLOW BEFORE TURNING!!! ● Do not plow too fast! Move steadily along so that the earth will turn over and not fall back into the furrow. In most soils, this is done at FULL THROTTLE in Third Gear.

Note: If Plowing Speed changes, it may be necessary to re-adjust the Depth Crank to maintain desired plowing depth.

● In light soils, plowing may often be done in a higher Gear, but if you travel too fast, the furrows will be uneven and the dirt is apt to be thrown rather than rolled over.

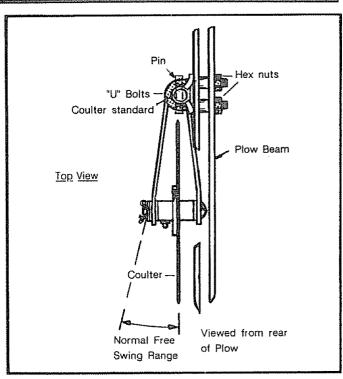


#### **ADJUSTMENTS**

### COULTER ADJUSTMENT

Refer to Fig. 7

- The coulter should be adjusted to slice 2" to 3" deep when plow is in the ground. Make this adjustment by loosening the two hex nuts which secure the "U" bolt and then move the coulter assembly standard up or down as required.
- ♠ Rotate the coulter assembly to the LEFT so that the drive pin located in the standard prevents the coulter from swinging into the plow beam or bottom, now tighten the two hex nuts. When properly adjusted, the coulter will be free to swing OUTWARD a limited amount only, to the LEFT of the beam. Note: In extremely hard soil, the coulter may actually prevent the plow from penetrating the surface. Should this situation occur, raise, or remove the coulter entirely.



#### DEPTH ADJUSTMENT Refer to Fig. 8

● To turn the plow share into the ground to open the "first" furrow, adjust the point downward until the plow is cutting 4" to 5" deep ● After a few furrows, (or desired depth is reached) turn the crank COUNTER-CLOCKWISE to maintain that depth. Do not allow landside to ride more than 1/2" off bottom of furrow as this will cause excessive wear on bottom of share resulting in poor soil penetration and loss of landside

## TRACKING ADJUSTMENT Refer to Fig 9

#### NOTE:

support.

For most plowing conditions, the landside will be properly adjusted (from Fig. 2 assembly), enabling the plow bottom to react like a rudder while ground engaged. But if the tip of the plow share is too far LEFT of the beam, the plow will tend to overcut and leave a ragged furrow wall. This condition can be readily corrected by making the following adjustment.

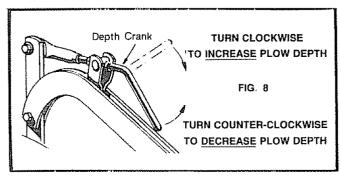


FIG. 8

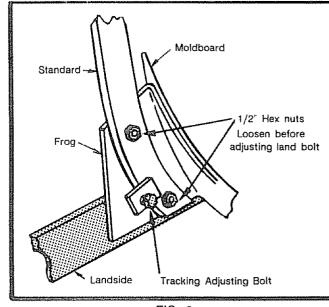


FIG. 9

#### LIFT ASSIST ADJUSTMENT

- Raise the Tractor Lift Handle to Transport in order to adjust the Spring to decrease lift effort of the Attachment.
- Loosen the Hex Jam Nut against the Spring Bushing.
- Turn Adjusting Bolt clockwise ( ) until the washer is flush with Hitch Bracket. This extends spring and reduces lift effort. Retighten Jam Nut.
- © Operate the Hitch with the Lift Link Assembly in the Center Adjustment Hole in the Lift Arm Assembly for most conditions. If spring adjustment does not result in acceptable lift effort, operate the Hitch with the Turnbuckle Assembly in the Lower Adjustment Hole in the Lift Arm Assembly. Note: The Upper Adjustment Hole can be used for lighter weight attachments

#### CUSTOMER RESPONSIBILITY

- The Moldboard should (after initial "scouring")
   be kept in a smooth, polished condition. Fine sandpaper, steel wool, kerosene, naptha, etc. may be used to restore the finish on a rusty Moldboard
   The Coulter Blade edge should be relatively sharp. If sharpening is necessary, use a flat file.
- Every 4 hours lubricate the Coulter Hub bearing surface through the grease fitting.
- For smooth operation and to prohibit the formation of rust on the crank, keep a light coating of oil on threads.

Note: When lubricating bearing, it is recommended that you use multipurpose grease.

# TROUBLE SHOOTING (PLOWING DIFFICULTIES AND REMEDIES)

PROBLEM	CAUSE/CONDITION :	REMEDY	
	Improper Crank Adjustment.	Refer to Depth Adjustment and turn crank CLOCKWISE 1 or 2 turns at a time.	
	Badly worn Plow Share.	Replace with a new Share.	
SLOW GROUND ENTRY	Ground extremely dry and hard due to lack of moisture.	Add extra weight to tractor or wait until soil conditions are suitable.	
	Hitch downward movement restricted by mower height adjustment.	Adjust for shortest cut height.	
PLOW CUTTING TOO WIDE	Improper tracking adjustment	See Tracking Adjustment	
PLOW BOTTOM WON'T POLISH	New or rusted bottom.	Clean bottom frequently during use until polish is obtained by: Clean bottom with rag soaked in turpentine, or mineral spirits. Old brick or pumice may also be used to polish bottom. Or, rub with a rag soaked in oil and dipped in sand.	
	Extreme variations in soil texture and/or moisture	See plowing tips. Soil too wet or dry.	
UNEVEN PLOWING DEPTH	Plow rides up in harder, dry soil, runs shallow.	Reduce tractor speed in hard spots. Check Depth Adjustment.	
	Plow goes too deep.	Check Depth Adjustment, Turn Counter-clockwise.	

## HOW TO ORDER REPAIR PARTS

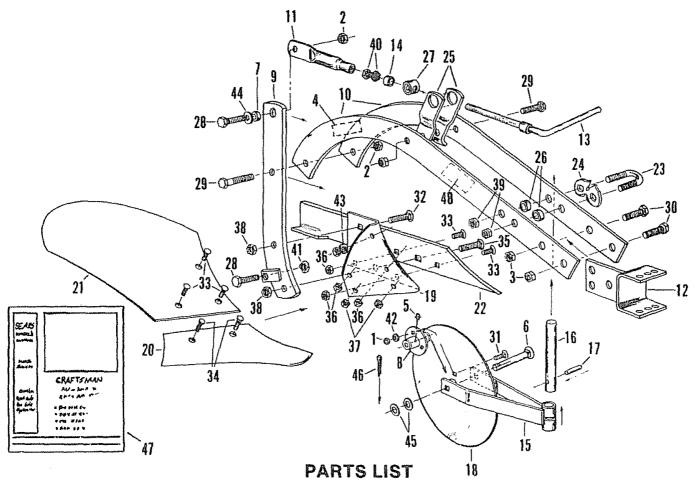
The model number will be found on the model plate attached to the right hand side of the beam half. Always mention the model number when requesting service or repair parts for your mold board plow

All parts listed herein may be ordered from any SEARS ROEBUCK SERVICE CENTER or most Sears retail stores.

## WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- . THE PART NUMBER
- THE PART DESCRIPTION
- . THE MODEL NUMBER
- . THE NAME OF MERCHANDISE

If the parts you need are not stocked locally, your order will be transmitted to a Sears repair parts distribution center for handling.



Ref.		No. of the second	<b>A</b> .	Ref.	- <del>Leaderson - Angeles</del>		
No.	Part No.	Description	Qty	No.	Part No.	Description	Qty.
1	B-1674P	Hex Lock Nut, 5/16"	3	24	P-387-01	Coulter Clamp	1
2	B-1677P	Hex Lock Nut, 1/2"	3	25	P-596-10	Adjusting Bracket	2
3	B-1678P	Hex Lock Nut, 5/8"	2	26	P-597	Spacer, 5/8" I.D. x 1/2"	2
4	B-3224	Model No. Decal	1	27	P-598-01	Trunnion	1
5	D-128P	Grease fitting, 5/16"	1	28	1M1624P	Hex Head Bolt, 1/2" x 1-1/2"	2
6	P-172P	Coulter Axle	1	29	1M1628P	Hex Head Bolt, 1/2" x 1-3/4"	2
7	P-234	Spacer, 1/2" I.D x 9/16"	1	30	1M2032P	Hex Head Bolt, 5/8" x 2"	2
8	P-250A-10	Coulter Hub	1	31	10M1012P	Carriage Bolt, 5/16" x 3/4"	3
9	P-251-10	Standard	.1	32	10M1624P	Carriage Bolt, 1/2" x 1-1/2"	1
10	P-254-10	Beam Half	2	33	15M1216-R	Plow Bolt, 3/8" x 1"	5
11	P-256P-01	Threaded Tube	1	34	15M1416P	Plow Bolt, 7/16" x 1"	2
12	P-257-10	Hitch Bracket (Yoke)	1	35	15M1632P	Plow Bolt, 1/2" x 2"	1
13	P-260-01	Crank	1	36	30M1200P	Hex Nut, 3/8"	5
14	P-262-01	Spacer, 5/8" I.D. x 5/8"	1	37	30M1400P	Hex Nut, 7/16"	2
15	P-265A-10	Fork	1	38	30M1600P	Hex Nut, 1/2"	2
16	P-269A-10	Coulter Standard	1	39	30M2000P	Hex Nut, 5/8"	2
17	P-270	Pin, 5/16" x 1-1/4"	1	40	31M2000P	Hex (Jam) Nut, 5/8"	2
18	P-272A-10	Coulter Blade	1	41	35M1600P	Square Nut, 1/2"	1
19	P-273-10	Frog	1	42	45M1111P	Flat Washer, 5/16"	3
20	P-275-10	Share (10")	1	43	45M1313P	Flat Washer, 3/8"	1
21	P-278	Moldboard (10")	1	44	45M1717P	Flat Washer, 1/2"	1
22	P-287-10	Landside (10")	1	45	45M2121P	Flat Washer, 5/8"	2
23	P-386P	"U" Bolt	1	46	50M0420P	Cotter Pin, 1/8" x 1-1/4"	1
				47	L-1222 SC	Owner's Manual	1
			4.4	48	B-4836	Logo Decal	1
			11				

11