

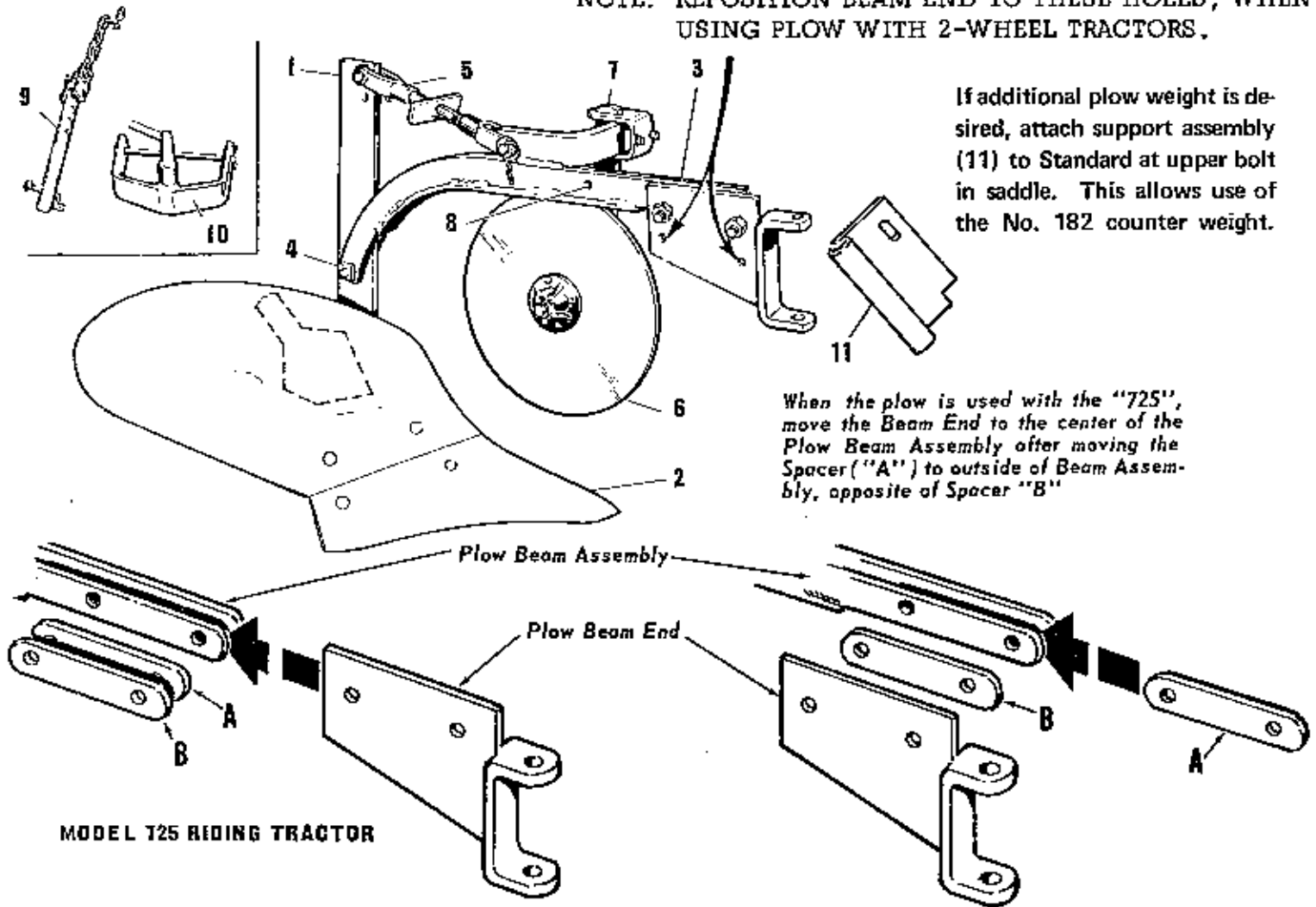
# Simplicity

**10" HEAVY  
DUTY PLOW**

**MFR'S. NO. 464**

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

NOTE: REPOSITION BEAM END TO THESE HOLES, WHEN USING PLOW WITH 2-WHEEL TRACTORS.



If additional plow weight is desired, attach support assembly (11) to Standard at upper bolt in saddle. This allows use of the No. 182 counter weight.

When the plow is used with the "725", move the Beam End to the center of the Plow Beam Assembly after moving the Spacer ("A") to outside of Beam Assembly, opposite of Spacer "B"

MODEL T25 RIDING TRACTOR

## ASSEMBLY

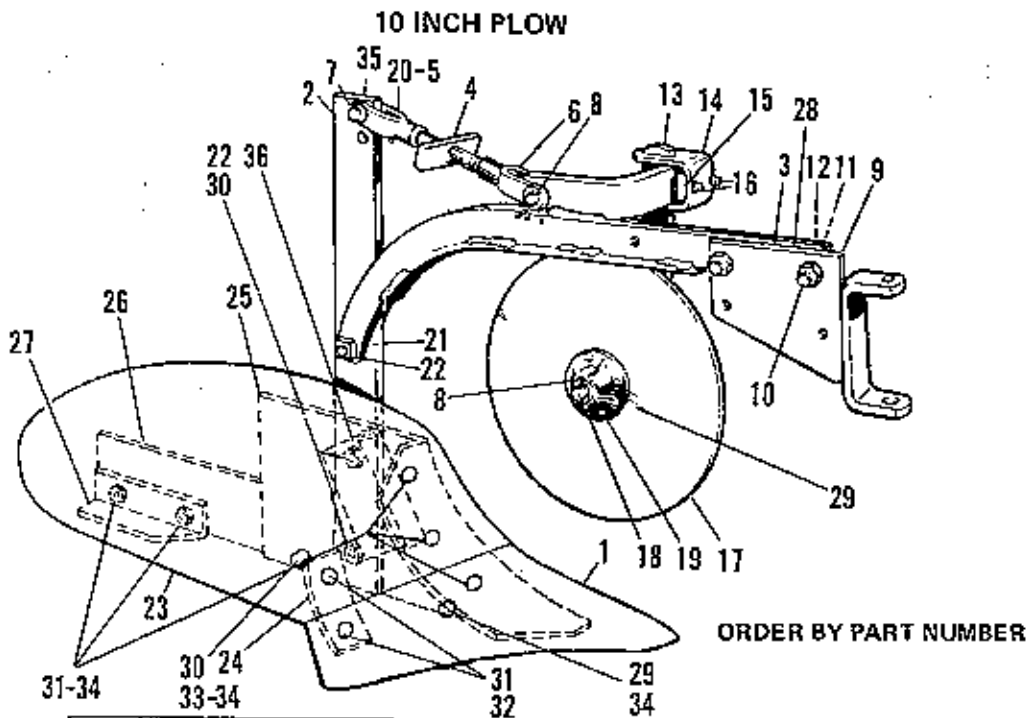
1. Remove varnish from moldboard and share, using a good grade of varnish remover. (Keep greased when not in use. )
2. Bolt standard (1) to plow bottom (2).
3. Bolt beam (3) to standard at (4). Tighten with nut so that beam is free to swing on standard.
4. Attach depth regulating yoke rod assembly (5). Pin and cotter pin.
5. Attach rolling coultter assembly (6) and adjust coultter standard (7) so that blade runs approximately 1" to the left of landslide.
6. Attach the lift pin and chain assembly (9) to the beam at (8) by means of the pin and spring clip provided. The hitch clevis adapter (10) is then attached to the tractor hitch by means of the pivot pin. Connect the plow to the hitch adapter with the hitch pin and insert the lift pin (9) in the tractor rear lift assembly and secure in place with a pin and spring clip.
7. Wheel weights should be used when operating the 10" plow. The weights are designed so that as many weights as necessary may be added to the wheels.

CAUTION: Be sure that the rolling coultter is out of the ground when the tractor is in reverse gear.

SIMPLICITY MANUFACTURING COMPANY.

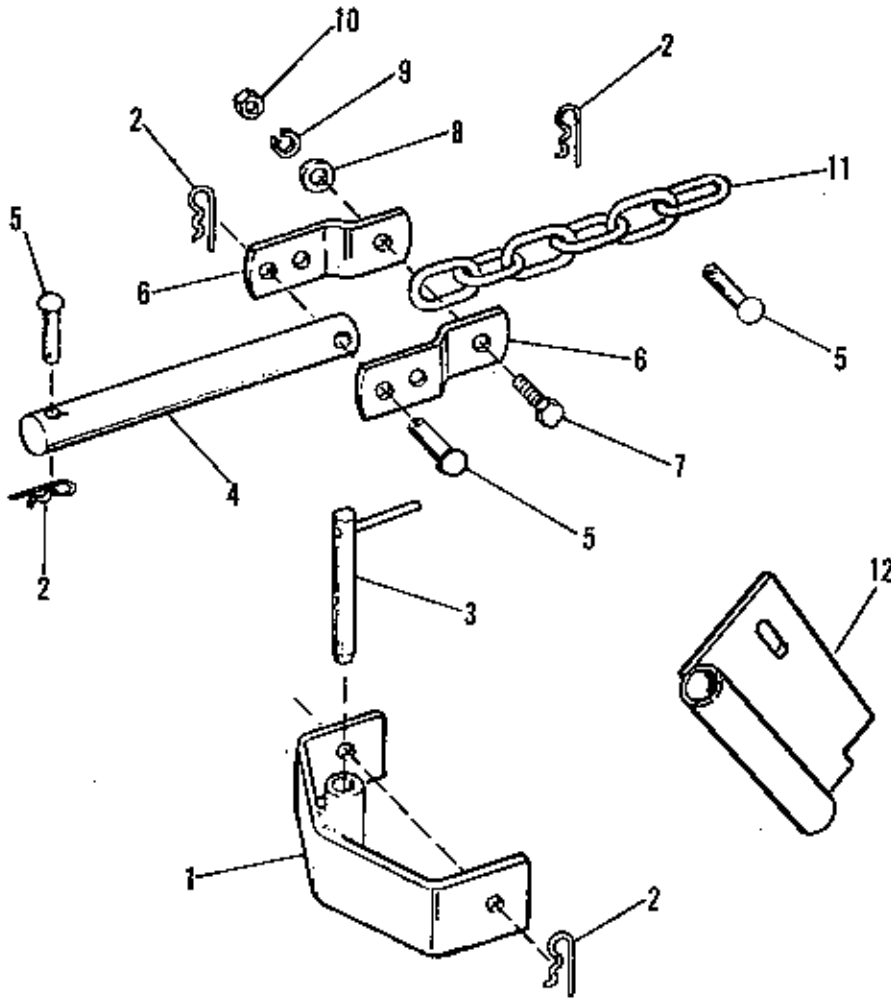
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Ref. No.	Part No.	Qty. Req.	Description
1	112065	1	Share
2	112044	1	Standard
3	112077	1	Beam Assembly, Plow
4	112047	1	Yoke Rod Assembly
5	112050	1	Yoke, Left Hand
6	112051	1	Yoke, Right Hand
7	112052	2	Pin, Yoke
8	722006	1	Pin, Cotter, w/extended prong, 1/8" dia. x 1" lg.
9	112053	1	End Assembly, Flow Beam
10	715036	2	Capscrew, Hex Hd., 3/8"-16 x 2-1/4" lg.
11	720002	2	Lockwasher, 3/8"
12	717003	2	Nut, Full Hex, 3/8"-16 NC
13	112057	1	Standard, Coulter
14	8271023	1	Clamp
15	8201073	1	Nut, Special, 5/16" x 1" x 2-1/4" lg.
16	713004	2	Set Screw, Cup Point, Sq. Hd., 3/8"-16 NC x 1" lg.
17	112040	1	Coulter Assembly, w/bushing
18	112058	1	Spindle, Coulter
19	8261055	1	Washer
20	717018	1	Jam Nut, Hex, 5/8"-11 NC
21	705046	1	Hex Capscrew, 1/2"-13 NC x 1-3/4" lg.
22	717006	3	Nut, Full Hex, 1/2"-13 NC
23	112068	1	Moldboard
24	112069	1	Brace, Moldboard
25	112066	1	Saddle
26	112067	1	Landside
27	112070	1	Angle, Slip heel
28	112076	2	Spacer, Plow Beam
29	112032	2	Bushing, Coulter
30	704006	2	Plow Bolt
31	704007	7	Plow Bolt
32	717025	2	Nut, Hex
33	720004	2	Lockwasher, 1/2"
34	717022	5	Nut, 7/16"-14
35	176012	2	Safety Clip, Pin
36	112083	1	Support Assembly

## PLOW LIFT PIN AND CHAIN



**ORDER BY PART NUMBER**

Ref. No.	Part No.	Qty. Req.	Description
1	112055	1	Clevis Assembly
2	8161045	6	Spring Clip
3	8061502	1	Hitch Pin Assembly
4	112059	1	Plow Lift Pin
5	118053	3	Pin
6	112060	2	Bracket
7	705009	1	Hex Capscrew, 3/8"-16 x 1-1/2" lg.
8	719001	4	Plain Washer, 3/8"
9	720002	1	Lockwasher, 3/8"
10	717003	1	Hex Nut, 3/8"-16
11	112061	1	Plow Lift Chain
12	112083	1	Support Assembly

## **FIELD CONDITIONS**

1. The most important single factor in assuring satisfactory operation of the plow is choosing the right time to plow. Plowing in wet ground conditions will produce poor results. A rule of thumb to follow: When a mud ball can be made out of the ground, it is too wet to plow.
2. The speed of the tractor is also important when plowing and can only be judged by the operator. Too fast a speed will cause the ground to be pitched too far, resulting in a ragged appearance.
3. For more successful plowing use wheel weights. Also, tire chains and front counter-weights are recommended in extreme conditions.

## **FIELD ADJUSTMENTS**

1. Check plow lift chain (9) while operating. Chain should be loose at all times when plowing. If chain is taut, check the assembly instructions to insure plow is properly assembled. Plowing too deep will also cause chain to become taut. Approximately 5" is the correct depth of furrow.
2. The speed should be according to step 2 under FIELD CONDITIONS.
3. The setting of the rolling coulter will vary with ground conditions. In sod, it should be set higher than when plowing in dirt or sandy soil. The correct coulter setting can be judged, whereas the coulter should penetrate the ground  $\frac{1}{3}$  the depth of the furrow. This rule will apply in normal plowing conditions. The coulter should be set approximately 1" to the left of the landside.
4. The depth of the furrow is regulated by the yoke rod assembly (adjustable turn buckle).
5. The slip heel angle (AC) located on the landside is adjustable. In extremely hard ground, it is recommended this angle be lowered. This will aid the plow point in reaching the desired depth.
6. In cases where poor ground penetration by share and coulter is noted, it is recommended that the share and coulter be checked for sharpness. (Dull edges cause poor penetration).