



V-Plow Kit Groundsmaster® 72

Model No. 30750-Plow

Model No. 30757-Mounting Kit

Form No. 3310-631

Installation Instructions

Note: Left and right side of V-Plow and Groundsmaster is determined by standing behind the plow or sitting in the operator's position.

Loose Parts

Description	Qty.	Use
Lift socket and jam nut	1	Install in left side push arm
Clamp plate	1	Install on right side push arm
Push arm bracket	1	
Capscrew – 3/8" x 3"	4	
Lockwasher – 3/8"	4	
Nut – 3/8"	4	
Small weight	2	Install on rear flange of plow
Large weight	2	
Capscrew – 1/2" x 5-1/2" lg.	2	
Lockwasher – 1/2"	2	
Nut – 1/2"	2	
Stop bracket	1	Install on V-flange at rear of plow
Capscrew – 1/2" x 1"	2	
Lockwasher – 1/2"	2	
Mounting pin	2	Used to secure plow to push arms
Spring clip	4	

Prepare Lift Arms and V-plow

1. Park the machine on a level surface, lower the cutting unit completely, stop the engine and remove the key. Remove cutting unit from traction unit. Refer to Cutting Unit Operator's Manual for removal procedure.

Note: Because kit does not include clevis/clevis pins or lift chains, these parts must be obtained from the Groundsmaster cutter deck. Therefore, when disassembling deck from push arms, save clevis/clevis pins and lift chains.

2. Remove ball joints from push arms.

3. Install lift socket into left side push arm. Adjust lift socket so there is two inches from center line of socket to front surface of push arm (Fig. 1). When lift socket is adjusted correctly, bottom jam nut (Fig. 1) is against front of lift arm.

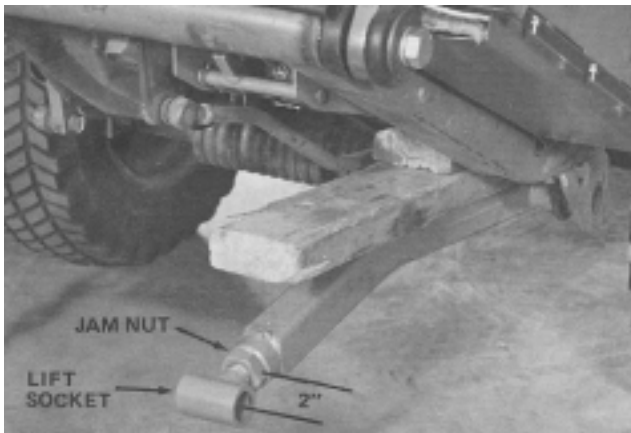


Figure 1

4. Install clamp plate and push arm bracket on right side push arm with four capscrews, lockwashers and nuts (Fig. 2).

Note: Clamp plate and push arm bracket must contact bead (Fig. 2) at front of push arm.

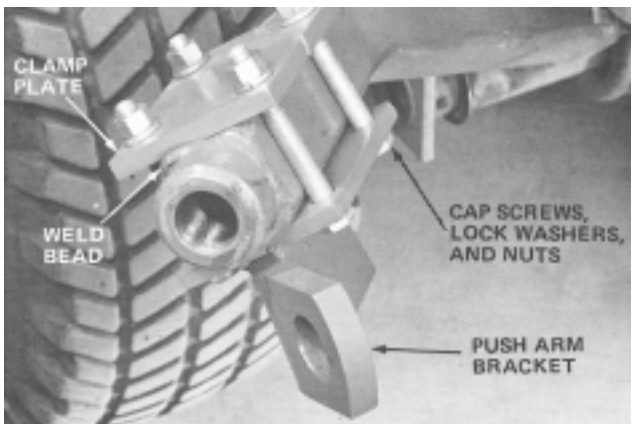


Figure 2

5. Install two small weights on inside and two large weights on outside of mounting flange with two capscrews, lockwashers and nuts (Fig. 3).

Note: Mounting flange for weights has two sets of holes. To assure correct installation, use extreme right pair of holes (Fig. 3, inset). Also, long end of weights must be toward right side of plow.

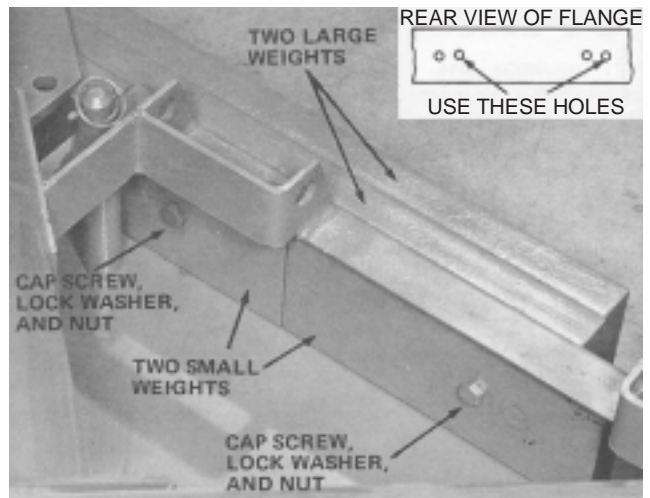


Figure 3

6. Remove capscrew and jam nut from V-shaped flange at rear of plow. Next, install stop bracket on V-flange with two capscrews and lockwashers (Fig. 4). Lastly, install capscrew and jam nut into stop bracket (Fig. 4). Thread capscrew and jam nut into stop bracket as far as possible.

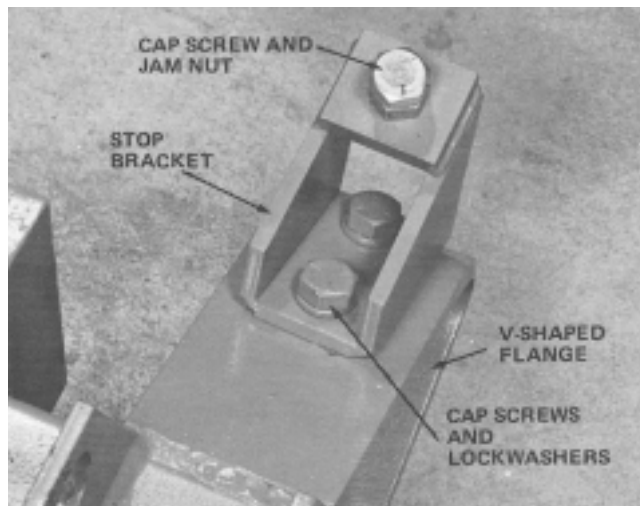


Figure 4

Install V-plow to Push Arms

1. Move plow into position at front of push arms.
2. Push left side push arm down; then block the arm so it cannot move. Next, secure plow to push arm with long mounting pin (Fig. 5).

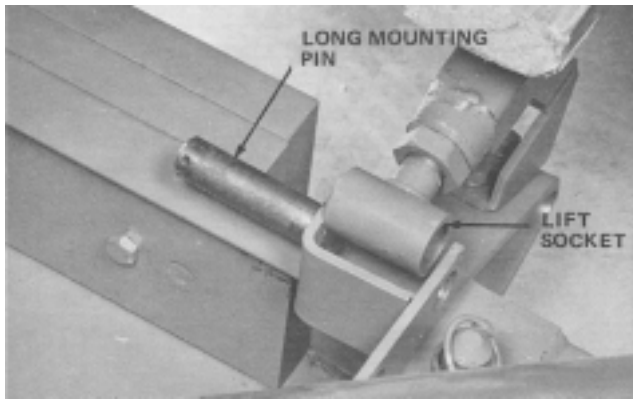


Figure 5

3. Retain pin, plow and lift socket together with spring clips (Fig. 6).

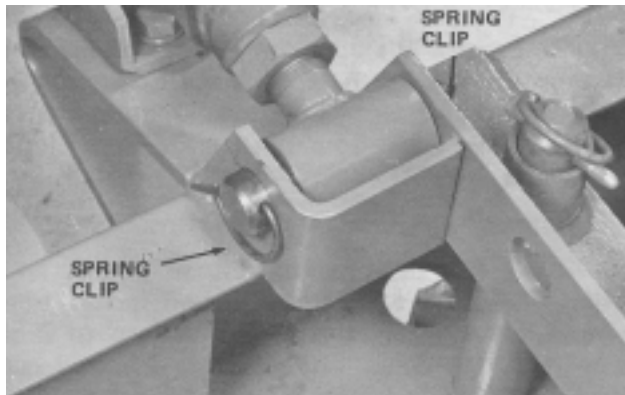


Figure 6

4. Secure right side of plow to push arm bracket with short mounting pin. Retain pin, plow and bracket together with spring clips (Fig. 7).

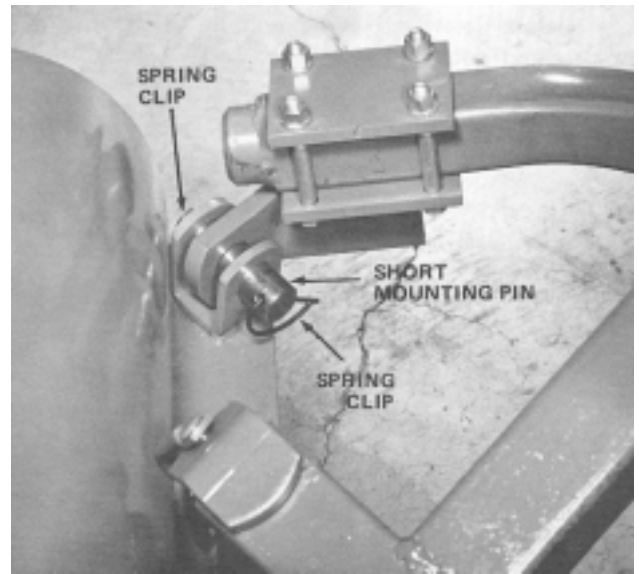


Figure 7

5. Slide clevis through hole in left side plow support. Next, secure second last link of left side lift chain to clevis with clevis pin and cotter pin (Fig. 8).

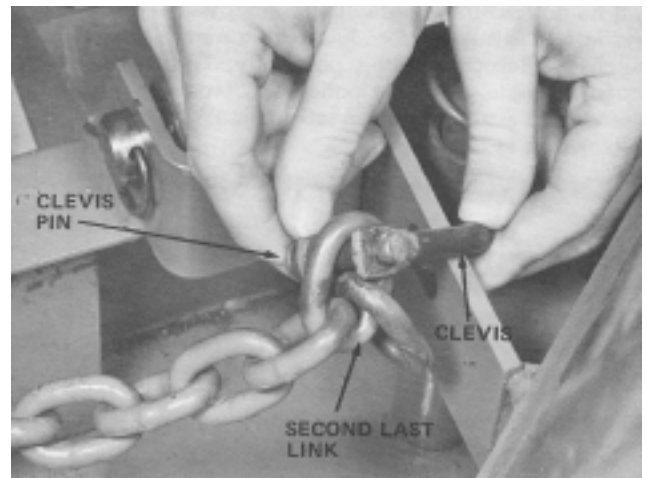


Figure 8

6. Slide clevis through hole in right side plow support. Next, secure forth last link of right side lift chain to clevis with clevis pin and cotter pin (Fig. 9).
7. Remove blocking from between left side lift arm and chassis.

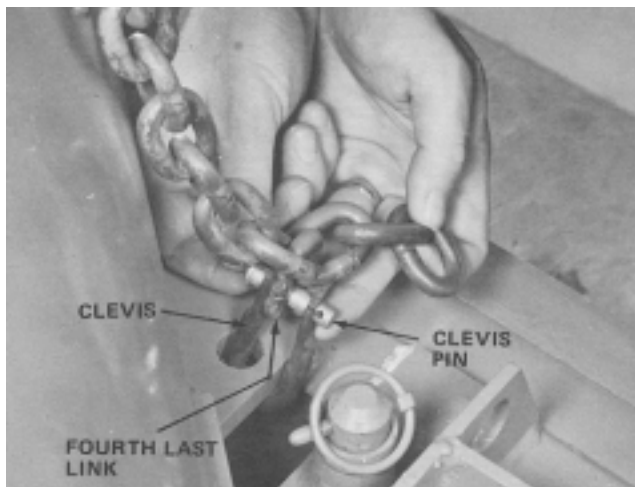


Figure 9

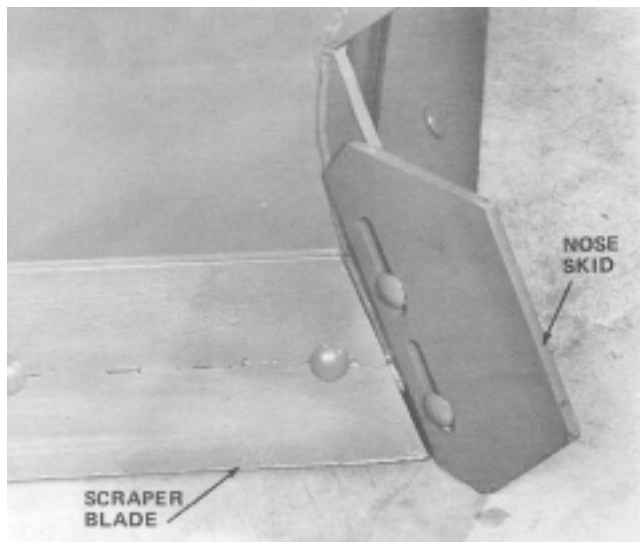


Figure 11

Perform Final Adjustments

1. With plow contacting flat surface, adjust stop bracket capscrew (Fig. 10) upward against push arm—until front of plow begins to move up: then bottom jam (Fig. 10) against stop bracket.

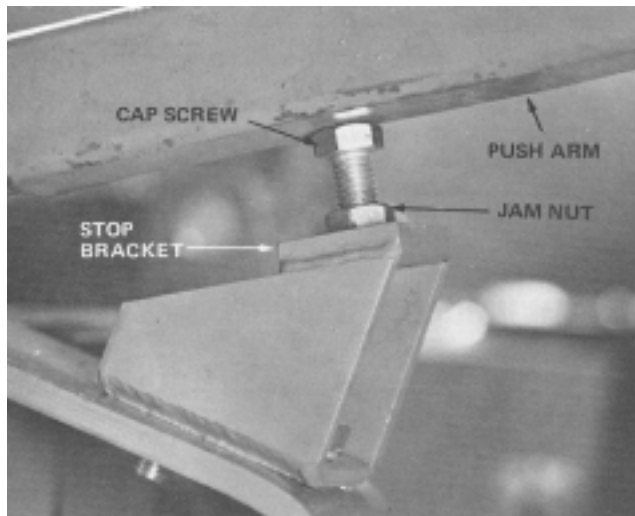


Figure 10

3. If plow will be used on concrete or asphalt surfaces, post skids (Fig. 12) must be adjusted upward so plow contacts surface. By contrast, skids must be adjusted downward—raise plow off surface—when plow will be used on gravel or crushed rock surfaces.

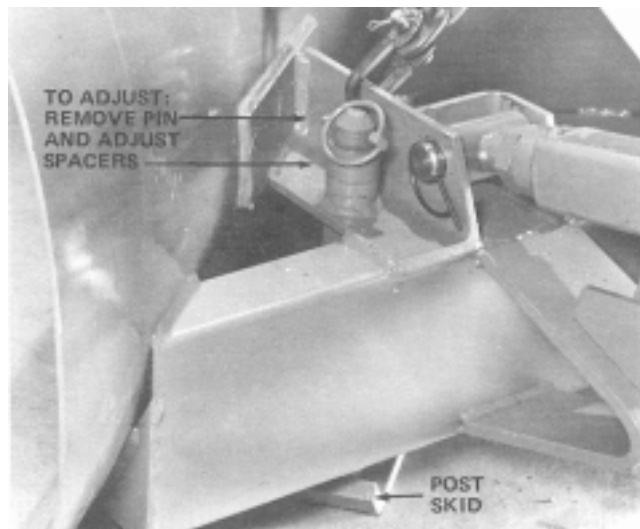


Figure 12

2. Loosen carriage bolts and nuts retaining nose skid to front of plow (Fig. 11). Next, adjust nose skid so its bottom edge is even with bottom of plow (Fig. 11). Lastly, tighten nuts and carriage bolts so nose skid remains in place.

Important When scraper blades or nose skid (Fig. 11) wear down, they can be reversed by removing carriage bolts and nuts. Never allow scraper blades or nose skid to wear even with bottom surface of plow. Reverse scraper blades or nose skid before plow starts to wear.