

# PARTS LIST AND INSTRUCTIONS

48" DOZER BLADE

FACTORY ORDER NUMBER 6-0700

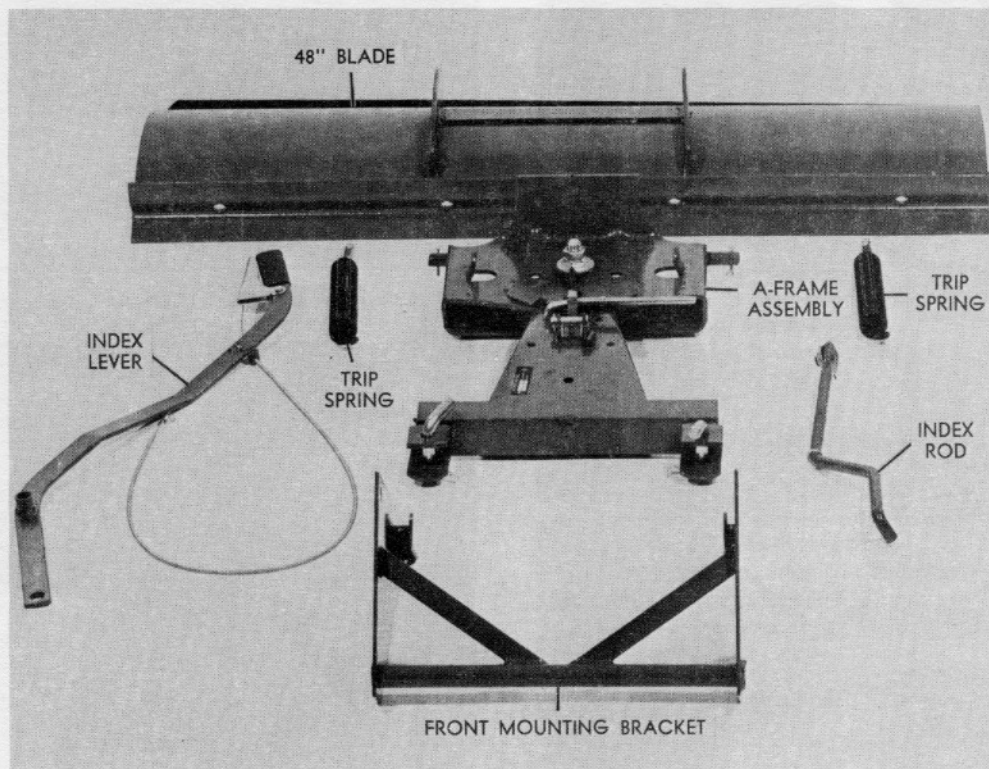


FIG. 1. 48" Snow/Dozer Blade 6-0700

## INTRODUCTION

The 6-0700 is shipped in two (2) cartons. The small carton contains the front mounting bracket (Fig. 1). The larger carton contains all other parts needed to install the Dozer Blade on either a B-145 or a C-185 Wheel Horse Elec-Trak tractor.

Unpack all the parts from the cartons and identify as shown in Fig. 1.

## INSTALLATION AND ASSEMBLY

### FRONT MOUNTING BRACKET (Fig. 2 & 3)

Locate the Front Mounting Bracket. Hold the Bracket in front of the tractor so the mounting "ears" align with the frame slots (Fig. 2). Insert the mounting "ears" into the frame slots.

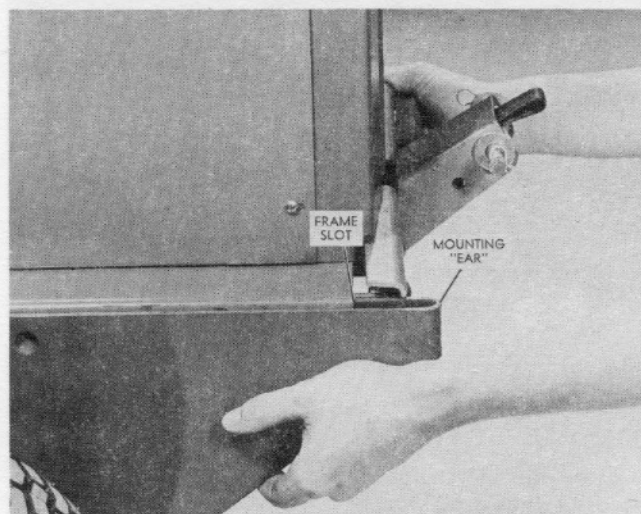
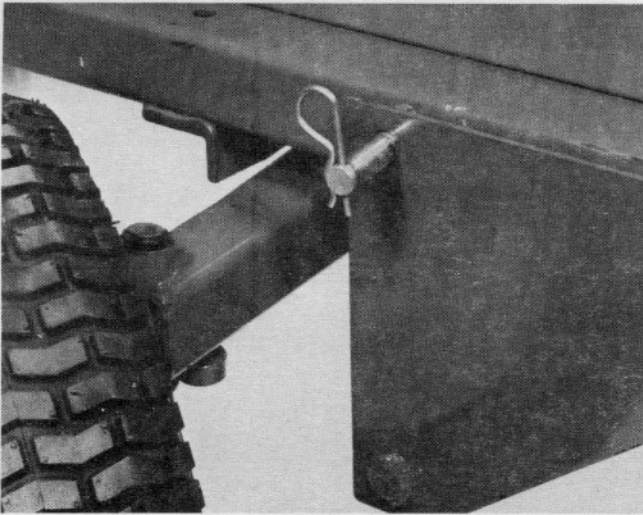


FIG. 2. Front Mounting Bracket Installation



# WHEEL HORSE

lawn & garden tractors

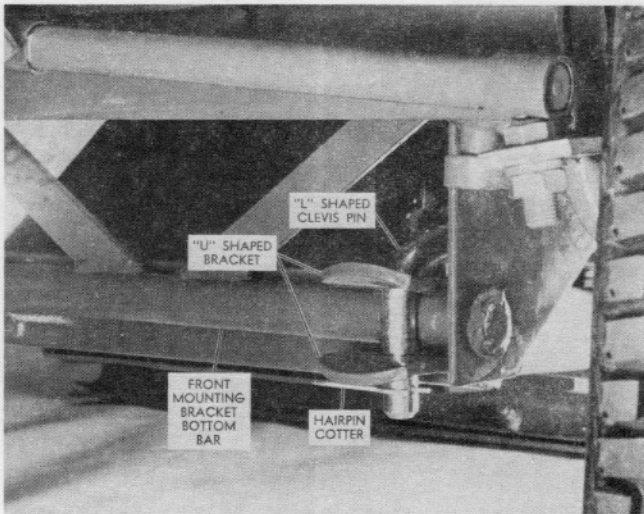


**FIG. 3. Secure Front Mounting Bracket**

Using the clevis pins and hairpin cotters supplied with the tractor, secure the rear of the Front Mounting Bracket (Fig. 3).

**A-FRAME ASSEMBLY (Fig. 4)**

Locate the A-Frame Assembly. Center the "A-Frame" under the front of the tractor so the "L" shaped clevis pins are toward the rear. Remove the "L" shaped pins and install the "U" shaped brackets around the bottom bar of the Front Mounting Bracket (Fig. 4). Reinstall the "L" shaped pins and hairpin cotters.



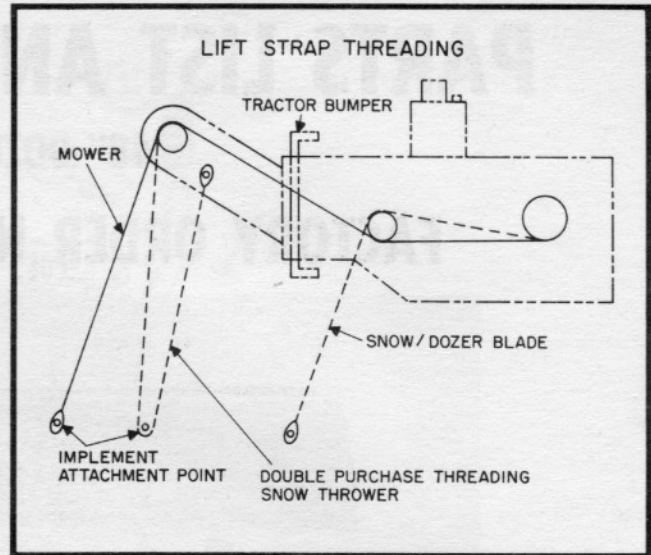
**FIG. 4. Attach "A" Frame**

**LIFT STRAP (Fig. 5 & 6)**

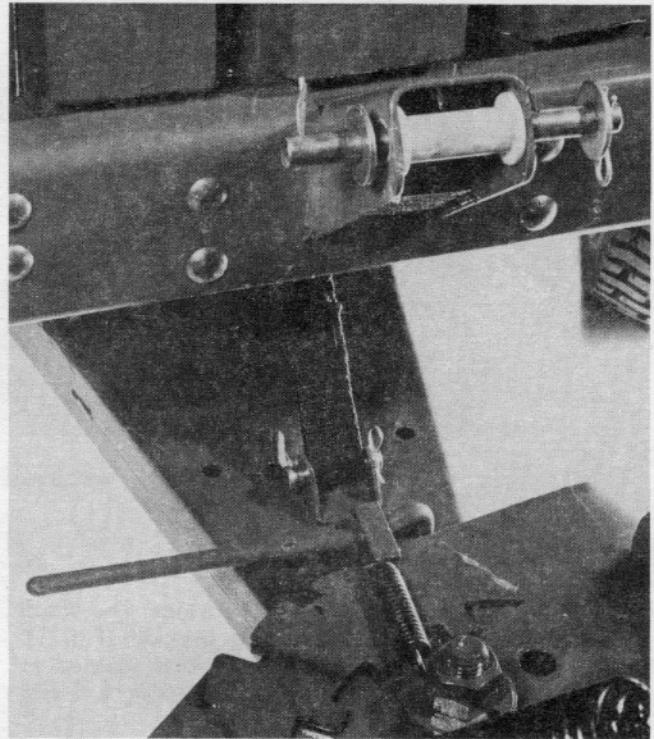
Route the lift strap as shown in Fig. 5. Lower the lift until the strap touches the A-Frame. Attach the lift strap to the A-Frame using the preinstalled clevis pin and hairpin cotter.

**48" BLADE (Fig. 7 & 8)**

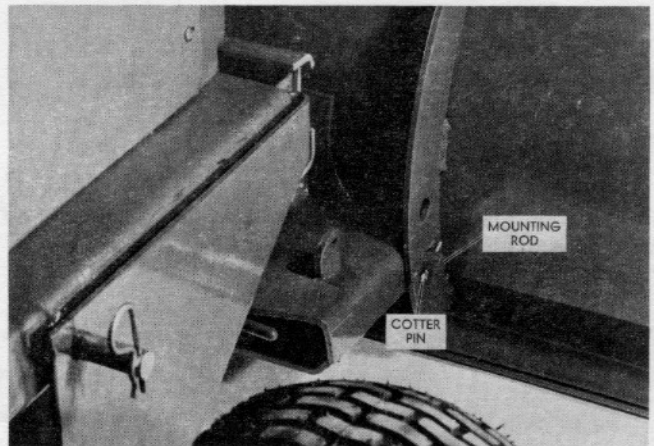
Using the tractor's electric lift, raise the A-Frame to the desired height. Install the Dozer Blade onto the A-Frame using the mounting rod and cotter pins provided with the A-Frame. The mounting rod should be installed in the lower holes of the Blade (Fig. 7).



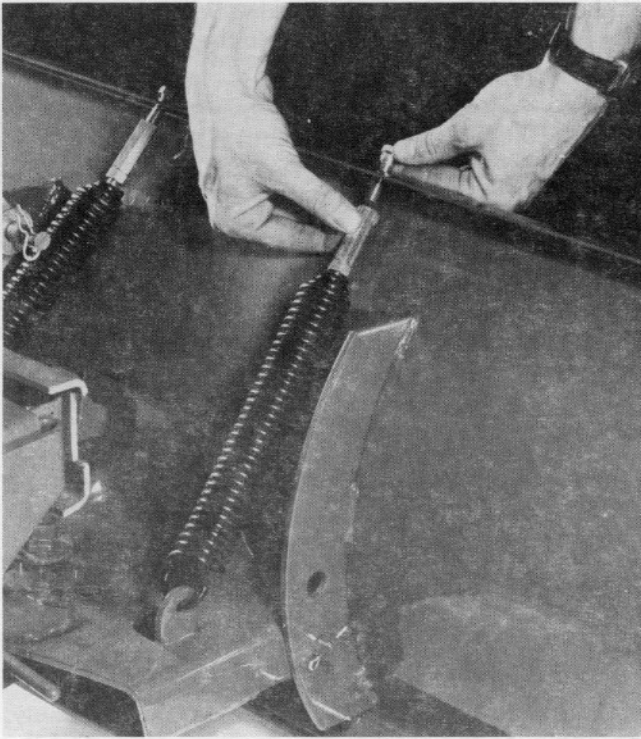
**FIG. 5. Lift Strap Routing**



**FIG. 6. Attach Lift Strap**



**FIG. 7. Mount Dozer Blade to "A" Frame**

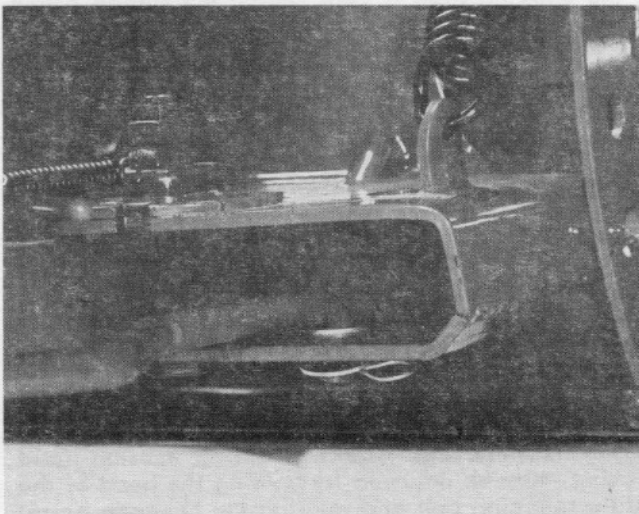


**FIG. 8. Attach "Trip" Springs**

Locate the two Trip Springs. The "hook" end of each spring should be installed in the A-Frame brackets. The top bolt of the spring assembly should then be removed, inserted through the top of the Blade, and reinstalled into the spring assembly (Fig. 8).

### INDEX ROD (Fig. 9)

Locate the Index Rod. Remove the Hairpin Cotter from the "L" shaped end. Install one washer on this end, and insert the end into the bottom plate of the A-Frame (Fig. 9). Secure with another washer and hairpin cotter.

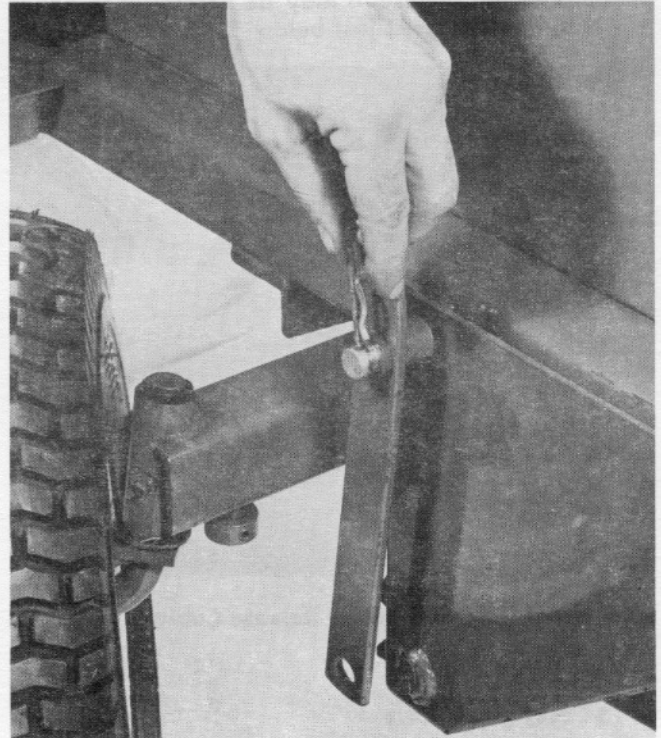


**FIG. 9. Install Index Rod**

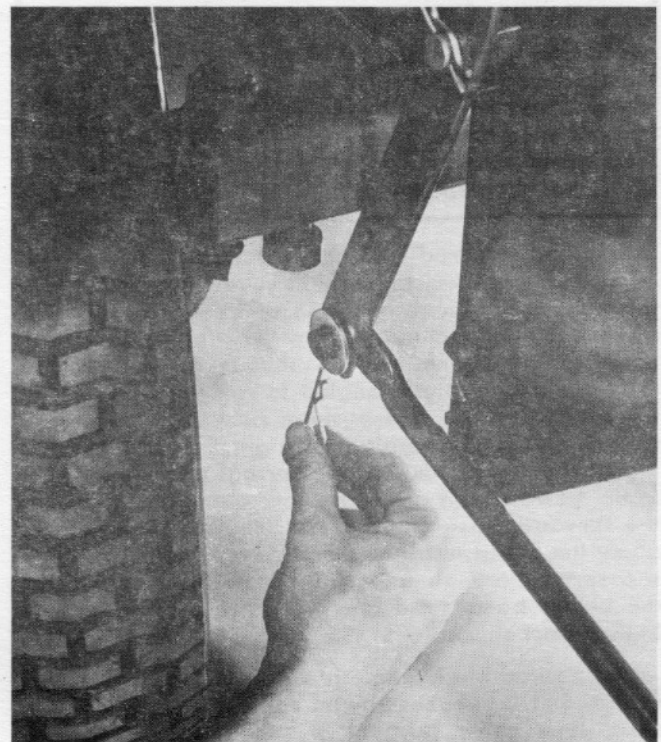
### INDEX LEVER (Fig. 10 & 11)

Remove the hairpin cotter holding the right rear of the Front Mounting Bracket. Install the Index Lever onto the clevis pin so the "squeeze grip" is forward (Fig. 10). Reinstall the hairpin cotter.

Install the Index Rod through the bottom hole of Index Lever (Fig. 11). Secure with washer and hairpin cotter.



**FIG. 10. Install Index Lever**



**FIG. 11. Attach Index Rod**

## INDEX RELEASE (Fig. 12)

Route the Index Release Cable under the tractor tie rods and over the A-Frame. Slide the loop end over Index Release Handle. Pull the Handle rearward and insert the cable into the special slot bracket on the A-Frame (Fig. 12). Release the Handle.

The Blade should now be fully controllable from the driver's seat. Squeezing the hand grip should release the blade so it can be indexed right or left. If the blade does not release, it may be necessary to adjust the cable nuts located just below the handle.

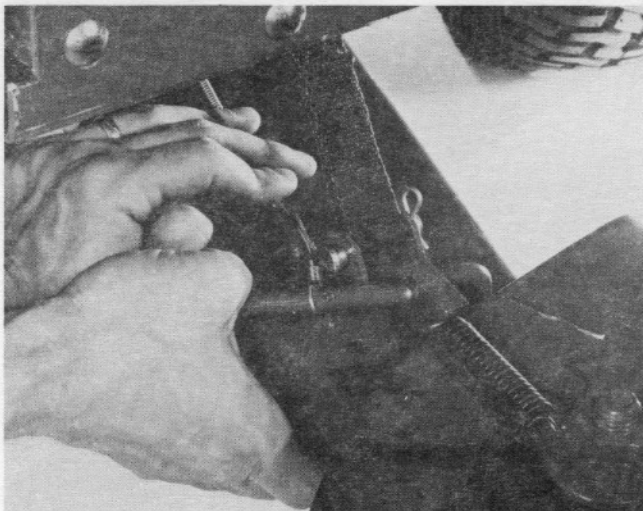
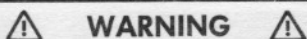


FIG. 12. Insert Release Cable

## INSTRUCTIONS

### OPERATING THE BLADE



Never place any part of your body under the blade when the blade is off the ground. Lower the blade so that it rests on the ground when leaving or parking the tractor to avoid the possibility of the blade being released while feet or fingers are beneath it.

The tractor speed and range selector position can be varied according to working conditions. Most snow plowing can be done in the D<sub>2</sub> or D<sub>1</sub> range for maximum tractor momentum. Snow plowing is most efficiently done by making continuous runs at higher speeds with the blade angled to roll the snow off to the side. Clean-up and pushing back of snow banks can be done with the blade straight. For operation at higher tractor speeds, the trip springs allow the blade to tip forward and pass over low obstacles. Reducing the forward tractor thrust after the blade trips will allow the blade to automatically reposition itself. The trip springs are an important protective feature for the blade, tractor and operator because they reduce high-impact shocks.

The desired blade angle is set **while the blade is off the ground** by squeezing the cable lever and at the same time either pushing or pulling the handle to move the blade to the desired angle. After releasing the cable lever, move the handle back and forth

slightly to assure that the locking mechanism is set. The blade can then be lowered to the desired plowing position.

**NOTE: The blade angle may also be changed manually at the main blade pivot by pulling the locking block rod to the rear while moving the blade to the desired position.**

On the B-145 and C-185 the most effective plowing can be done with minimum slack in the lift strap. This allows quick response of the blade to the lift movement. With a little practice, proficiency in "working" the lift while in motion (before and just at the end of each plowing pass) will be achieved. When approaching the end of a plowing run, the blade should be lifted to push the top of the pile away from the newly cleared area. The lifting should then be increased slightly before reversing direction to prevent dragging a part of the pile back with the back of the blade.

### LUBRICATION

Occasional oiling of the main pivot pin assembly, the angle locking mechanism, angling cable, and the angling handle assembly is important. A few drops of heavy machine oil at these points is generally sufficient to prevent rust formation and provide easy operation.

### ADJUSTMENTS

**Angle Locking Block** — The cable assembly must be adjusted properly to allow full blade angle locking with the cable lever released and to allow the locking block to clear the pivot plate by  $\frac{1}{8}$  inch with the cable lever depressed. If adjustment is necessary, loosen the cable adjusting nuts, and reposition the cable sheath so the  $\frac{1}{8}$  inch clearance is obtained with the lever depressed. Tighten the nuts with the cable in this position.

**Wear Blade** — For normal use of the Snow/Dozer Blade, the wear blade is set so that it provides a continuous curve from the back blade to the ground. If the working area is very rough, the cutting action of the wear blade should be reduced by loosening the four bolts on the bottom back side and moving the wear blade slightly forward. When retightened in this position, the cutting is reduced. Alternatively, if more aggressive cutting is desired, loosen the four bolts and move the wear blade rearward.

**Trip Springs** — For normal adjustment of the trip springs, allow  $3\frac{1}{2}$  inches between each spring and the top of its adjusting bolt as shown in Figure 2. This spacing may be varied to accommodate differing plow conditions. For example, if it is necessary to plow snow from a flagstone patio or walk, the trip springs should be set lightly (maximum spacing) to prevent dislodging the flagstones. Conversely, a minimum spacing would prevent the blade from tripping easily during earthmoving. The trip spring tension (and spacing) may be adjusted by holding the head of the spring retaining bolt and rotating the hexagon barrel so as to draw the spring up or allow it to relax. Adjust both springs equally.

## PARTS LIST FOR 48" DOZER BLADE

### FACTORY ORDER NUMBER 6-0700

Parts available only through Authorized Dealers.  
When ordering parts always list Part No. and Description.  
**(Specifications subject to change without notice.)**

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	518951	Trip Spring	2
2	513562	Cotter Pin, .156 x 1.25	2
3	513638	Bolt, Carriage — 3/8-16 x 1	4
4	513469	Washer, 3/8 STD	4
5	513517	Spring Lockwasher, 3/8	4
6	513415	Nut, Hex 3/16-16	6
7	518956	Coupler Nut	2
8	513363	Bolt, Hex — 3/8-16 x 1 1/2	4
9	518957	"L" Shaped Pin	2
10	518033	Hairpin Cotter Pin	2
11	518958	Pivot Bar Lock	1
12	513591	Pin, Spring 1/4 x 1	1
13	518959	Spring, Angle Lock	1
14	513391	Bolt, Hex 3/4-10 x 4 1/2	1
15	513806	Nut, Hex 3/4-10	2
16	518962	Washer	1
17	518961	Spacer	1
18	517636	Clevis Pin	1
19	517470	Hairpin Cotter	1
20	516261	Handle, Angle Lock	1
21	518941	Blade — 48"	1
22	516224	Wear Blade	1
23	518949	Pivot Rod	1
24	518953	Pivot Plate	1
25	515144	Blade "A" Frame	1
26	104956	Decal — Caution	1
27	103174	Decal — Wheel Horse	1
28	513472	Washer, STD. 5/8	2
29	518033	Hairpin Cotter	2
30	516225	Hand Lever (Index Release)	1
31	518865	Hand Grip	1
32	513570	Roll Pin .12 x 1/2	1
33	513318	Bolt, Hex 1/4-20 x 3/4	1
34	513421	Locknut, Hex 1/4-20	1
35	516219	Index Lever	1
36	518968	Cable Assembly	1
37	518964	Index Rod	1
38	521481	Mounting Bracket	1

