

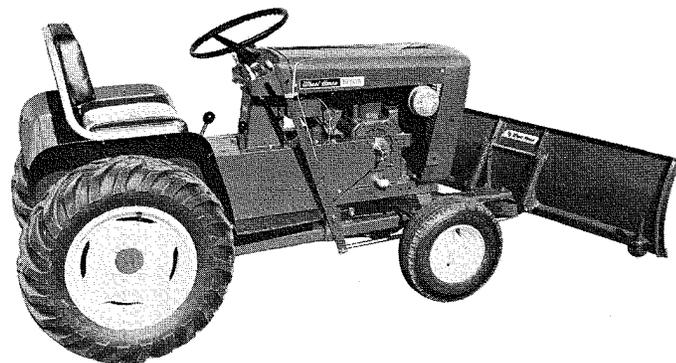
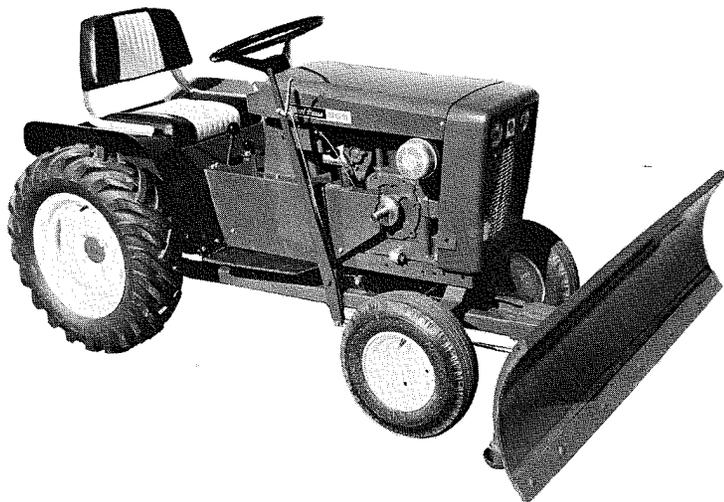
PARTS LIST AND INSTRUCTIONS



WHEELHORSE PRODUCTS, INC. • SOUTH BEND, IND.

DOZER BLADE MODEL 6-1121

(Formerly BD-543)



ASSEMBLY AND MOUNTING

1. The Blade is shipped complete in one carton. There are three main parts in the carton. The Frame Assembly, Blade Assembly, and a box of parts.
2. Remove contents from carton and parts box.
3. Assemble rear mounting bracket assembly, Part No. 5145, using Part No. 3697 Link, 900072-4 Carriage Bolt, and $\frac{3}{8}$ -16 Nylock Nuts. Install the R. and L. hand latching Plates using Part No. 900063-4 Carriage Bolt, spring washer, Part No. 3775, and Nylock Nut. The spring washer is installed under the nut. Adjust so that the latching plates are firm when in the latched position.
4. Slide the frame assembly Part No. 3073, under the tractor. Insert the rear cross bar of the frame assembly in the mounting bracket and latch. Be sure the turn lever on the frame assembly is up and out of the way before the frame is locked in position.
5. Attach the Lift Rod, Part No. 3085, to the tractor lift assembly, using Part No. 932122-4 clevis pin, and hair pin cotter S-52-12. Screw the Rod End, Part No. 3086, into the lift rod. Using the $\frac{1}{2}$ Dia. clevis pin, Part No. 932124-4, attach the rod end to the frame assembly.
6. Bolt the Pivot Sector Part No. 5102, to the frame assembly using the Hex Bolt, Part No. 1334, and Part No. 1643, elastic stop nut. (NOTE: Apply a liberal coat of oil before installing.) Insert the bolt from the bottom and tighten, leaving it loose enough for the blade to swing free.
7. Attach the Blade Assembly, Part No. 3070, to the pivot sector using Part No. 4564, lower pivot rod, and two $\frac{1}{8}$ " x 1" cotter pins, Part No. 932017.

Next, install the two springs with the Pivot Rods, Part No. 5120. Fasten to the pivot sector first, with two of the hair pin coppers. Insert the other pivot rod in the blade angles. The angle of the blade will be determined by the hole in which the pivot rod is placed.

8. The blade control rod, Part No. 5119, is inserted through the bottom of the pivot sector, and through the back side of the lever. Secure with two hair pin coppers.

The blade should be adjusted so that the frame of the blade is locked tightly against the front axle of the tractor. This is done by adjusting the rod end of the lift linkage.

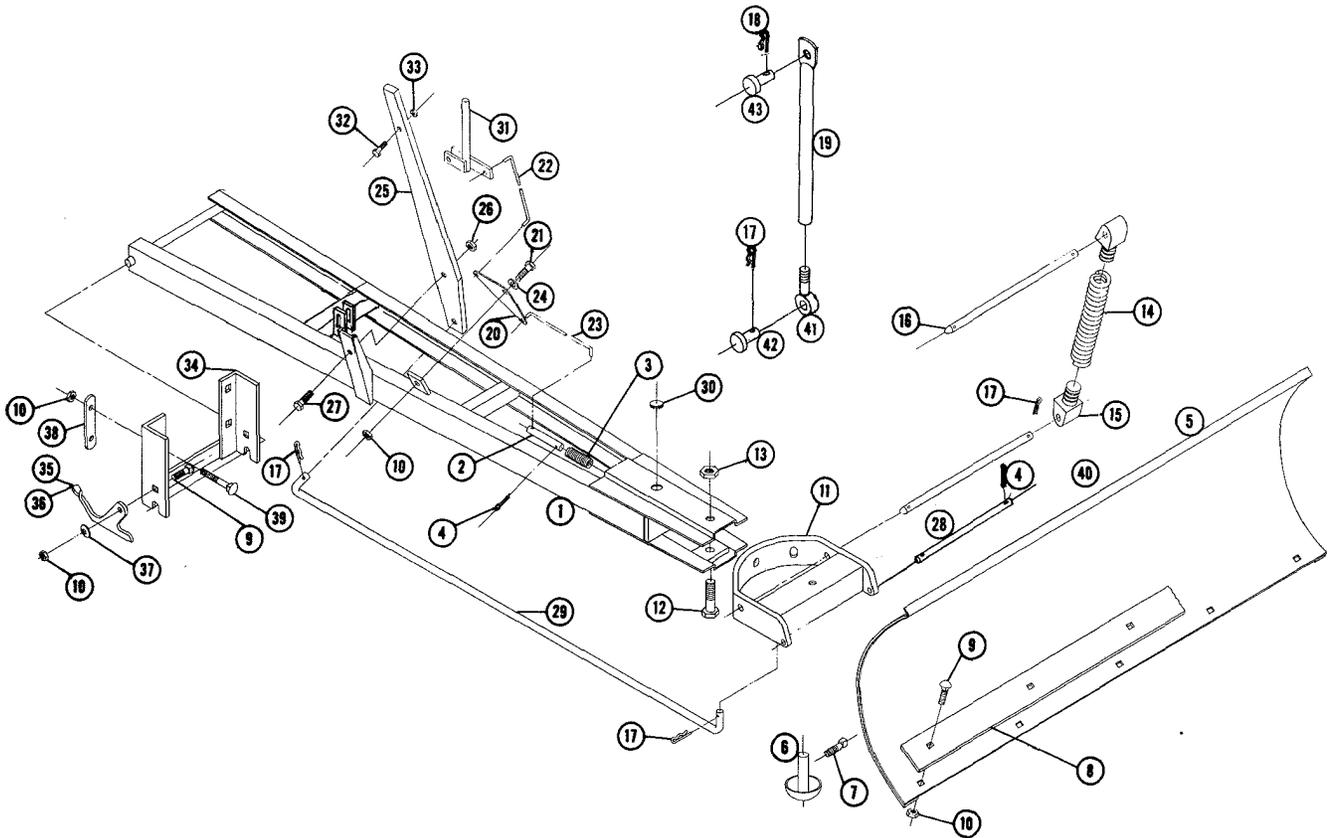
9. The skids, Part No. 2399, on each side of the blade must be adjusted before operation. This is accomplished by loosening the set screws, adjusting to the desired position, and tightening again. The purpose of the skids is to keep the blade from catching on cracks in the walk or drive, and to allow it to float over uneven surfaces. (This dozer is equipped with a spring trip device. If the blade should strike a solid object it will tilt forward and slide over without jarring the operator.)

OPERATION

The dozer blade is adjustable and may be locked in three different positions: straight, right angle, and left angle. These adjustments are easily accomplished from the tractor seat by operating the convenient turn lever. The blade is adjusted up and down with the hydraulic lift.

A light grade of machine oil should be applied to all moving parts, before operation, and after every 10 hours of use.

(CAUTION: Avoid hitting solid objects with the corners of the blade as this could result in damage.)



PARTS LIST

When ordering parts always list Part No. and name of part.

Ref. No.	Part No.	Description	No. Req'd.	Ref. No.	Part No.	Description	No. Req'd.
1	3073	Ass'y — Frame	1	23	3771	Rod — Lower Index	1
2	5127	Pin — Index	1	24	920009-4	Washer — Plain $\frac{3}{8}$ Dia.	1
3	2354	Spring	1	25	3089	Lever	1
4	932017-4	Cotter-Pin $\frac{1}{8}$ x 1	3	26	915238-4	Nut — Hex $\frac{1}{2}$ -13 Jam	1
5	3070	Ass'y — Blade	1	27	908057-4	Bolt — Hex $\frac{1}{2}$ -13 x 1	1
6	2399	Ass'y — Skid	2	28	4564	Rod — Lower Pivot	1
7	909551-4	Set Screw — Square Hd. $\frac{3}{8}$ -16 x $\frac{5}{8}$	2	29	5119	Rod — Blade Control	1
8	3087	Plate — Blade Edge	1	30	4944	Plug Button	2
9	900063-4	Bolt — Carriage $\frac{3}{8}$ -16 x 1	9	31	5107	Ass'y Lever	1
10	915113-6	Nut — Nylock $\frac{3}{8}$ -16	14	32	908303-4	Bolt — Hex $\frac{1}{4}$ -20 x 1	1
11	5102	Ass'y — Sector & Channel	1	33	915111-6	Nut — Nylock $\frac{1}{4}$ -20	1
12	1334	Bolt — Hex $\frac{3}{4}$ -16 x $3\frac{3}{4}$	1	34	5145	Ass'y Bracket-Mtg.	1
13	1643	Nut — Hex $\frac{3}{4}$ -16 Elastic Stop	1	35	5135	Plate — Latching R.H.	1
14	5117	Spring — Trip Return	2	36	5136	Plate — Latching L.H.	1
15	5125	Lug	4	37	3775	Washer — Spring	2
16	5120	Rod — Trip Pivot	2	38	3697	Link	2
17	S-52-12	Hair Pin	7	39	900072-4	Bolt — Carriage $\frac{3}{8}$ -16 x $3\frac{1}{4}$	4
18	S-52-5	Hair Pin	1	40	4411	Decal	1
19	3085	Rod — Lift	1	41	3086	Rod End	1
20	3770	Plate — Index	1	42	932124-4	Clevis Pin $\frac{1}{2}$ Dia.	1
21	908332-4	Bolt — Hex $\frac{3}{8}$ -16 x 1	1	43	932122-4	Clevis Pin $\frac{3}{8}$ Dia.	1
22	3772	Rod — Upper Index	1				