

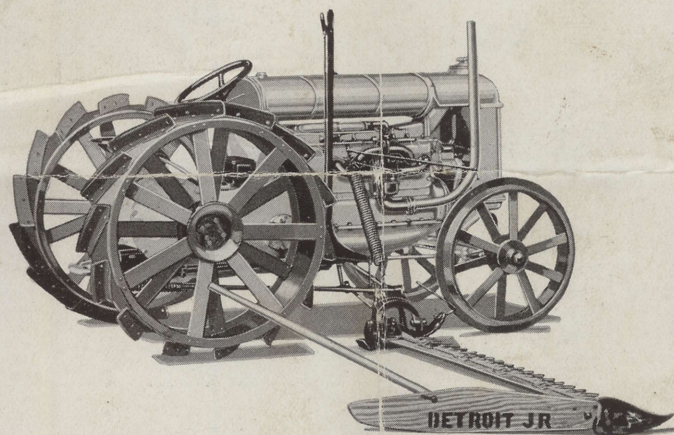
PARTS PRICE LIST

for

The Detroit-Junior Mower

(Effective January 1, 1928)

PRICE 25 CENTS



Manufactured by

DETROIT HARVESTER COMPANY

5450 West Jefferson Avenue

DETROIT

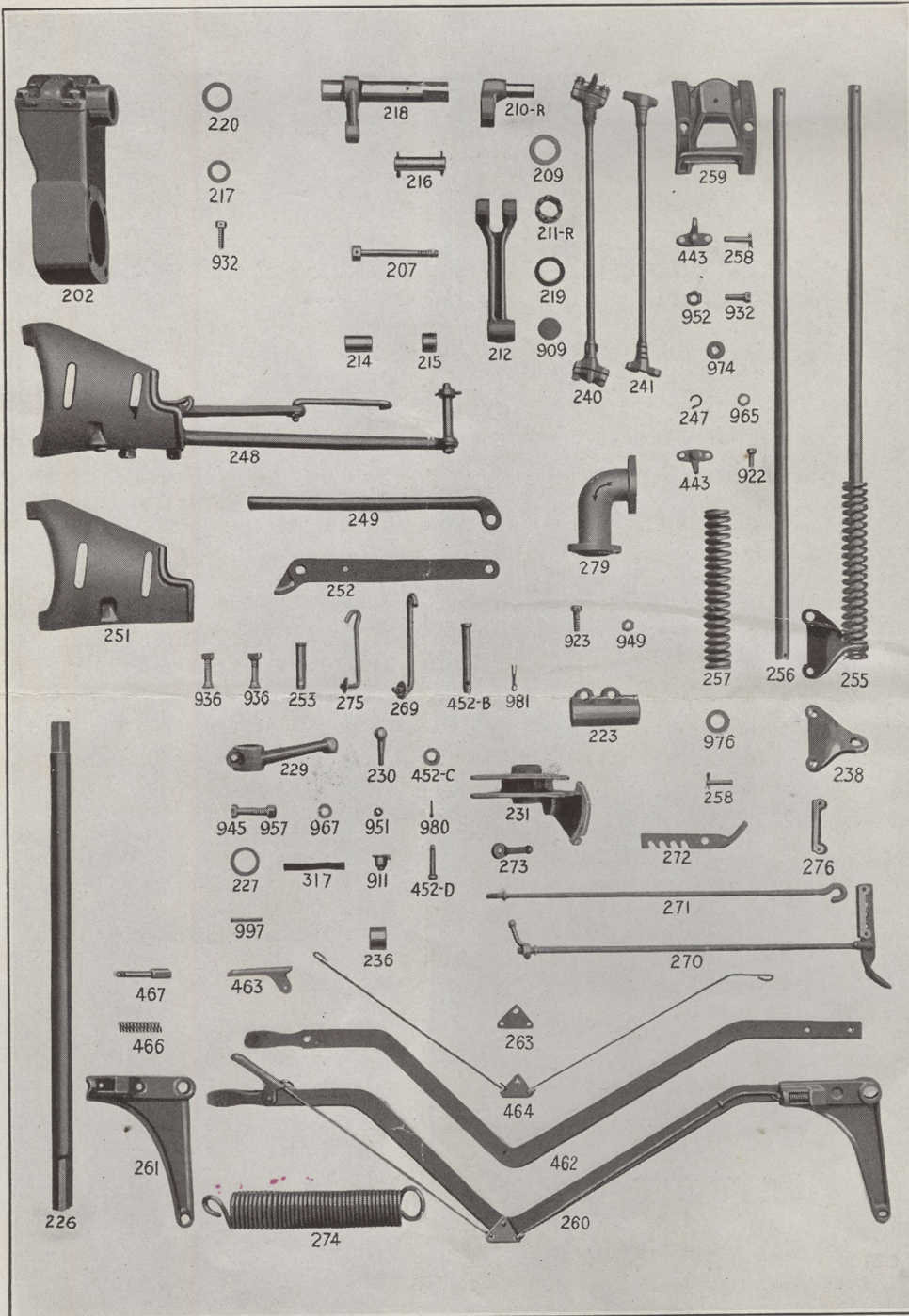


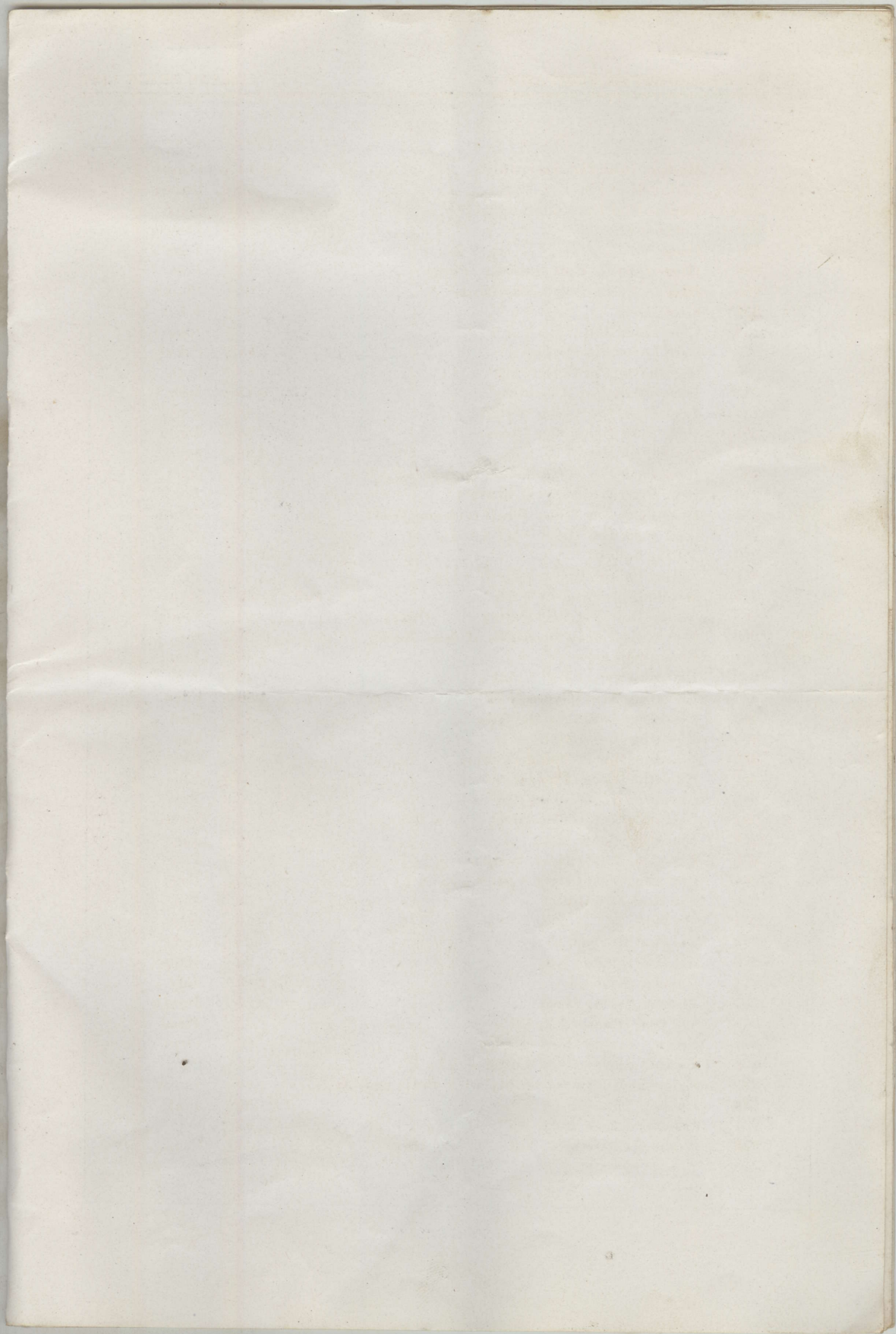
PLATE "A"

PARTS PRICE LIST

DETROIT HARVESTER COMPANY

No.	Name	Price	Code
202	Power Housing and Cover Assembled	\$10.80	Jack
206	Power Housing Cover Gasket.....	.03	Jacob
932	Power Housing Cover Cap Screw— $\frac{1}{2}$ " - 13 - $1\frac{1}{2}$ " ..	.12	Pen
207	Power Housing Bolt (Long).....	.68	Jag
909	Power Housing Expansion plug— $1\frac{3}{4}$ " OD.....	.06	Pang
208	Power Housing to Fordson Gasket.....	.04	Jail
209	Crank Gauge Washer.....	.04	Jalap
210-R	Crank (Right Hand Thread) For Tractor Under 672800.....	5.10	James
211-R	Crank Jam Nut (Right Hand Thread) For Tractor Under 672800.....	1.20	Jam
210-L	Crank (Left Hand Thread) For Tractor Over 672800	5.10	Jabot
211-L	Crank Jam Nut (Left Hand Thread) For Tractor Over 672800.....	1.20	Jean
985	Crank Jam Nut Cotter— $\frac{3}{16}$ " x $2\frac{1}{2}$ ".....	.03	Pore
212	Connecting Rod with Bushings	12.80	Janus
214	Connecting Rod Bushing (Long).....	.42	Japan
215	Connecting Rod Bushing (Short).....	.20	Jape
216	Wrist Pin.....	1.20	Jar
217	Wrist Pin Washer.....	.03	Jargo
984	Wrist Pin Cotter— $\frac{3}{16}$ " x $1\frac{1}{2}$ ".....	.03	Poppy
218	Rocker Arm (Short).....	9.55	Jason
219	Rocker Arm Felt Washer.....	.06	Jaunt
220	Felt Retainer Washer.....	.03	Java
987	Rocker Arm Washer Cotter— $\frac{1}{4}$ " x $1\frac{3}{4}$ ".....	.03	Post
223	Clutch.....	6.05	Jay
226	Long Shaft.....	5.10	Jebb
227	Long Shaft Collar.....	.55	Jeer
997	Long Shaft Collar Rivet— $\frac{1}{4}$ " x $2\frac{1}{4}$ ".....	.03	Print
229	Rocker Arm (Long).....	4.40	Jelly
945	Rocker Arm Bolt— $\frac{5}{8}$ " - 18 - $2\frac{1}{2}$ ".....	.09	Pinch
957	Rocker Arm Bolt Nut— $\frac{5}{8}$ " - 18 Hex.....	.05	Plea
967	Rocker Arm Bolt Nut Lockwasher— $\frac{5}{8}$ " Heavy.....	.03	Ply
230	Rocker Arm Ball (Forging).....	.45	Jenny
951	Rocker Arm Ball Nut— $\frac{7}{16}$ " - 20 Cast.....	.05	Plaid
980	Rocker Arm Ball Nut Cotter— $\frac{3}{32}$ " x 1".....	.03	Pond
231	Support Bracket Assembly with Bushings	6.26	Jerry
236	Support Bracket Bushing.....	.50	Jig
317	Support Bracket Felt.....	.06	Airy
911	Support Bracket Oiler.....	.06	Park
976	Elevating Pin Washer.....	.03	Polk
987	Elevating Pin Cotter— $\frac{1}{4}$ " x $1\frac{3}{4}$ ".....	.03	Pool
964	Lockwasher— $\frac{7}{16}$ " Heavy.....	.03	Plug
926	Support Bracket Caps— $\frac{7}{16}$ " - 20 - 2".....	.08	Peak
950	Support Bracket Caps Nut— $\frac{7}{16}$ " - 20 Hex.....	.05	Pit
240	Pitman Rod Assembly	5.75 3.75	Jit
241	Pitman Rod.....	4.10	Joab
443	Pitman Ball End Cap.....	.85	Cinch
247	Pitman Oil Hole Cover.....	.09	Jaboc
922	Pitman Caps— $\frac{7}{16}$ " - 14 - 1" Drilled.....	.10	Paw
248	Hinge Casting and Front Drag Bar Assembly ..	16.05	Jocky
249	Front Drag Bar.....	3.85	Joel

No.	Name	Price	Code
452-E	Radius Rod Pin Assembly	\$ 1.15	Dandy
452-B	Radius Rod Pin	.52	Damer
452-C	Radius Rod Pin Collar	.30	Dane
452-D	Locking Pin	.10	Dancer
251	Hinge Casting	6.05	Joger
936	Hinge Casting Bolt and Nut (Plow)— $\frac{9}{16}$ " - 12 - 2 $\frac{1}{2}$ "	.12	Pest
966	Hinge Casting Bolt Lockwasher— $\frac{9}{16}$ "	.03	Plumb
252	Cam Lever	2.30	Jokai
253	Cam Lever Pin	.35	Joke
973	Cam Lever Pin Washer	.05	Poke
986	Cam Lever Pin Cotter— $\frac{1}{4}$ " x 1 $\frac{1}{2}$ "	.03	Port
255	Rear Push Bar Assembly	6.15	Josh
254-F	Rear Push Bar Collar (Front)	.35	Joppa
254-R	Rear Push Bar Collar (Rear)	.35	Jordo
256	Rear Push Bar	2.80	Joss
257	Rear Push Bar Compression Spring	1.15	Jot
238	Rear Push Bar Support Bracket	.96	Jewell
258	Rear Push Bar Collar Pin (Front and Rear)	.20	Jotum
995	Rear Push Bar Rivet— $\frac{1}{4}$ " x 1 $\frac{3}{4}$ "	.03	Pride
259	Tilting Saddle	1.75	Jouk
932	Tilting Saddle Bolt— $\frac{1}{2}$ " - 13 - 1 $\frac{1}{2}$ "	.12	Pen
952	Saddle Bolt Nut— $\frac{1}{2}$ " - 13	.06	Plain
965	Saddle Bolt Nut Lockwasher— $\frac{1}{2}$ " Heavy	.03	Plum
260	Elevating Lever Assembly (Goose Neck)	7.25	Joy
261	Elevating Lever	1.40	Juan
263	Elevating Lever Bell Crank	.10	Jane
462	Elevating Arm (Goose Neck)	4.50	Eden
463	Elevating Lever Handle Grip	.15	Edit
464	Elevating Lever Rods	.55	Ego
466	Elevating Lever Plunger Spring	.10	Eke
467	Elevating Lever Plunger	.35	Elba
998	Elevating Lever Rivet— $\frac{3}{8}$ " x 1"	.03	Prod
991	Elevating Lever Grip Rivet— $\frac{1}{4}$ " x $\frac{3}{4}$ "	.03	Prefix
269	Elevating Lever Hook	.65	Juno
975	Elevating Lever Hook Washer— $\frac{9}{16}$ " - 1 - $\frac{3}{8}$ "	.03	Pole
981	Elevating Lever Hook Cotter— $\frac{1}{8}$ " x 1"	.03	Pony
270	Tie Rod Assembly	1.30	Jug
271	Tie Rod	.60	Jugo
272	Tie Rod Bracket	.25	Juice
273	Tie Rod Handle Nut	.35	Julep
274	Balance Spring	2.05	July
275	Balance Spring Hook	.55	Jumbo
276	Tie Rod Bracket Latch Cover	.12	Jubal
972	Balance Spring Hook Washer	.03	Pogo
981	Balance Spring Hook Cotter— $\frac{1}{8}$ " x 1"	.03	Pony
280	Exhaust Elbow Assembly with Bolts and Nuts	1.00	Judah
279	Exhaust Elbow	.90	Junta
931	Exhaust Elbow Bolt— $\frac{1}{2}$ " - 20 - 1 $\frac{3}{4}$ "	.05	Pelt
953	Exhaust Elbow Bolt Nut— $\frac{1}{2}$ " - 20 Hex	.03	Plan



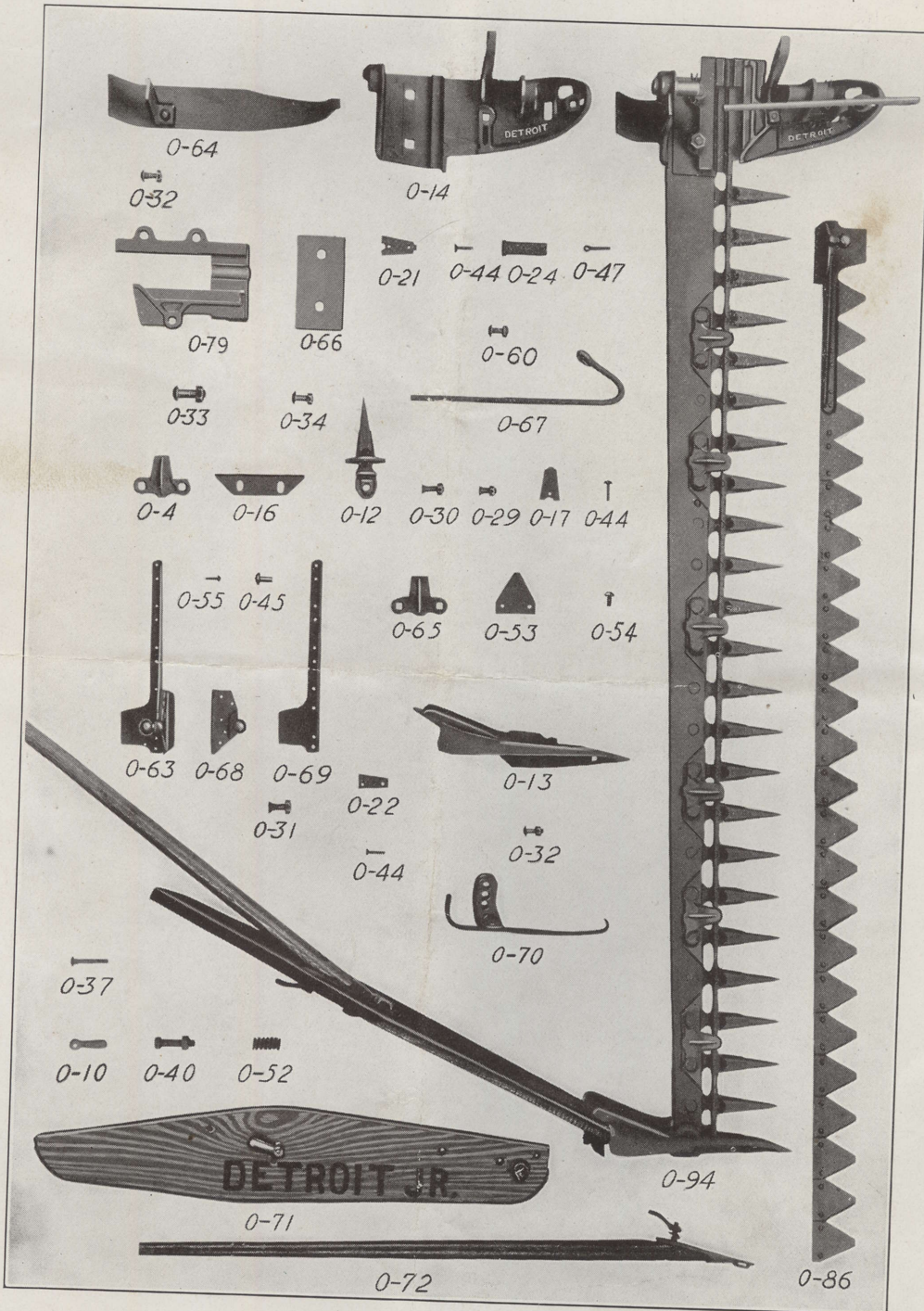


PLATE "B"

DETROIT JUNIOR MOWER FOR FORDSON

The following prices effective June 1, 1931
(Supersedes all previous price lists)

MOWING BAR PARTS LIST

0-4	Knife Clip .....	.12
0-10	Handle Nut .....	.12
0-12	Guard (Serrated).....	.50
0-13	Outer Shoe (with plate).....	2.70
0-14-B	Inner Shoe (with plate).....	6.75
0-16	Knife Clip Wearing Plate .....	.12
0-17	Guard Plate (Serrated) Box of 25	1.95
0-21	Inner Shoe Plate .....	.10
0-22	Outer Shoe Plate .....	.10
0-24	Hinge Pin .....	.25
0-29	Guard Bolt (Short) .....	.05
0-30	Guard Bolt (Long) .....	.06
0-31	Bolt, Outer Shoe to Bar .....	.08
0-32	Bolt, Inner Shoe Sole .....	.05
0-33	Bolt, Inner Shoe to Bar .....	.10
0-34	Bolt, Front Guide to Shoe .....	.06
0-37	Bolt, Grass Stick Socket .....	.05
0-40	Bolt, Tracker Board to shoe .....	.08
0-44	Rivet, Shoe Plate Per Pound .....	.25
0-45	Rivet, Knife Head Forging to Stamping Lb.	.25
0-47	Cotter, Hinge Pin .....	.02
0-52	Tracker Board Coil Spring .....	.10
0-53	Knife Section (Box of 25)	1.88
0-54	Rivet, Knife Section Per Pound .....	.25
0-55	Rivet, Knife Head to Knife Back per pound	.25
0-60	Bolt, Grass Rod to Shoe .....	.05
0-63	Knife Head Assembly	1.90
0-64-B	Inner Shoe Sole Assembly	1.10
0-65	Inner Knife Clip .....	.35
0-66	Rear Guide Wearing Plate .....	.15
0-67	Grass Rod .....	.45
0-68	Knife Head Ball Forging .....	.80
0-69	Knife Head Stamping .....	.70
0-70	Outer Shoe Sole Assembly .....	.90
0-71	Tracker Board Assembly (Swathboard).....	2.40
0-72	Grass Stick Assembly	1.20
0-75	Knife Back 5 Feet	1.00
0-76	Knife Back 6 Feet	1.00
0-77	Finger Bar 5 Feet	6.25
0-78	Finger Bar 6 Feet	7.50
0-79	Knife Guide	1.75
0-85	Knife (Sickle) Complete 5 Feet	5.70
0-86	Knife (Sickle) Complete 6 Feet	6.00
0-93	Mowing Bar Assembly 5 Feet	51.00
0-94	Mowing Bar Assembly 6 Feet	53.00

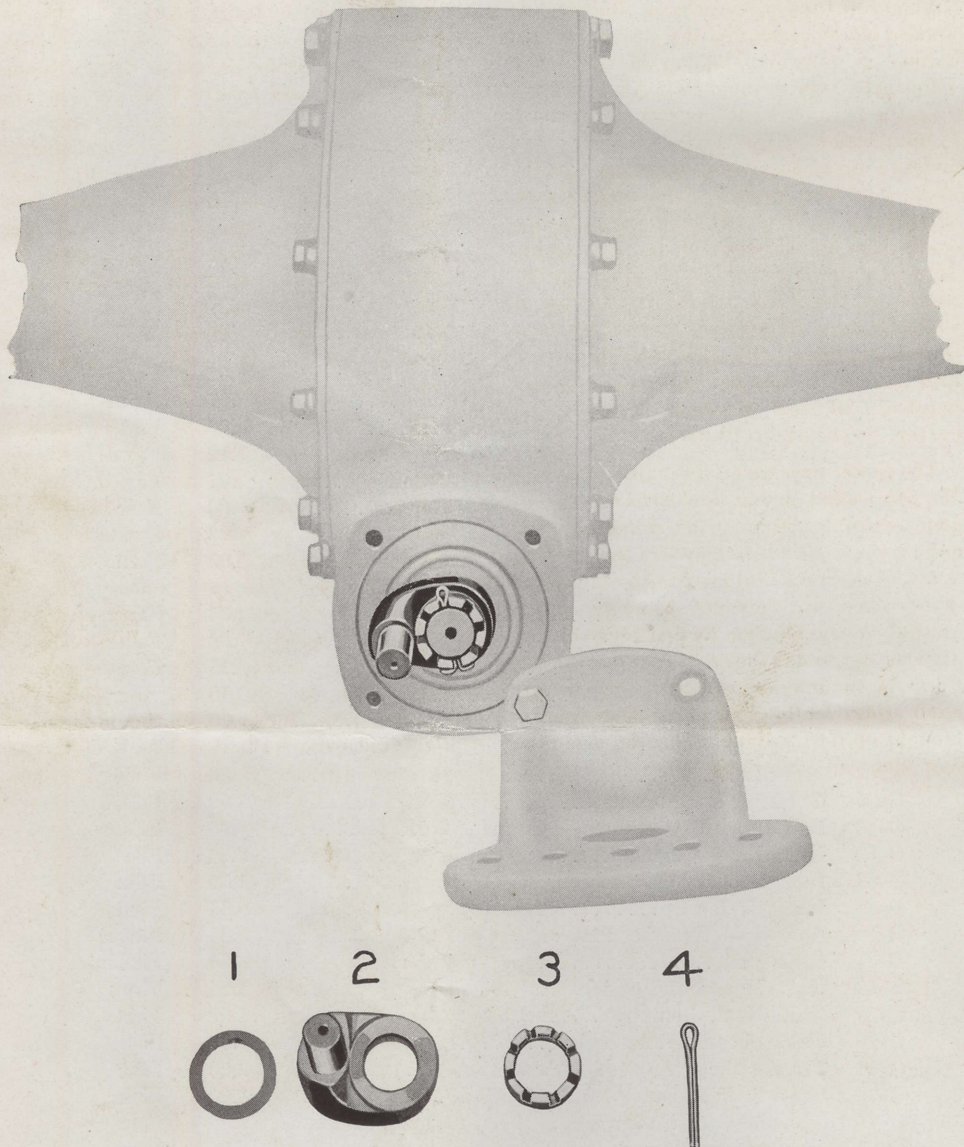


PLATE 1

Instructions for Attaching

1. Provide an oil pan so that the Fordson drawbar cap can be removed without wasting the transmission oil.

2. Remove the drawbar cap.

3. Attach the drawbar cap with one

screw as shown in Plate 1 so that the outer race of the taper roller bearings will not be forced out of place.

4. Remove the worm shaft nut.

5. Parts 1, 2, 3 and 4 on Plate 1 will be

found inside the housing casting. Remove the wooden blocks protecting the gaskets on this casting as they are shipped in the crate. Thread the mower crank (Part No. 2 in Plate 1) on the Fordson worm shaft snug and tight. If the position of the cotter pin hole comes under the crank pin, remove the crank from the worm shaft and install the thin washer shim (Part No. 1 in Plate 1) before threading the crank back on the worm shaft. This washer shim is of the proper thickness to change the relation of the cotter hole so that the cotter will then come through the shaft in the clear as shown in Plate 1. **Be sure that the crank and jam worm nut are tight against the bearings of the Fordson. Spread the cotter, as shown in Plate 1.**

The power housing casting, marked Junior No. 203, should next be applied as it is a complete assembly carrying the connecting rod and rocker shaft which converts the rotating action of the crank into a rocking motion of the main rocker arm. This unit should be applied carefully to the Fordson by first removing the drawbar cap as it is shown in Plate 1 from the Fordson, carefully assembling the connecting rod bearing over the crank pin as the housing is brought up into position. Then by using the four long cap screws the Fordson drawbar

cap and the Junior housing No. 203 are drawn firmly to form a unit with the Fordson. **These cap screws must be drawn absolutely snug and tight.** Lace the four cap screws with the lacing wire, as shown in Plate 2, and after the first day's use the lacing wire should be removed and the cap screws again drawn snug and tight. The cap screws should be relaced, which will prevent their loosening. This second tightening takes the stretch out of the cap screw and should prevent further loosening at this point. If, for any reason, the unit should leak oil at this point it would then be necessary to tighten the cap screws a third time.

Next attach the support bracket (marked No. 6 in Plate 3), using the three long cap screws furnished, assembling the clutch (marked No. 9 in Plate 3) over the end of the short rocker shaft which was attached with the power housing No. 203. The three cap screws in support bracket (marked No. 6 in Plate 3) should **not** be firmly tightened until the clutch (marked No. 9 in Plate 3) is properly lined up and in the position farthest to the rear, or the driving position. The two cap screws in the clutch should be firmly tightened, removing the backlash. Then tighten the three cap screws, using the Fordson nuts.

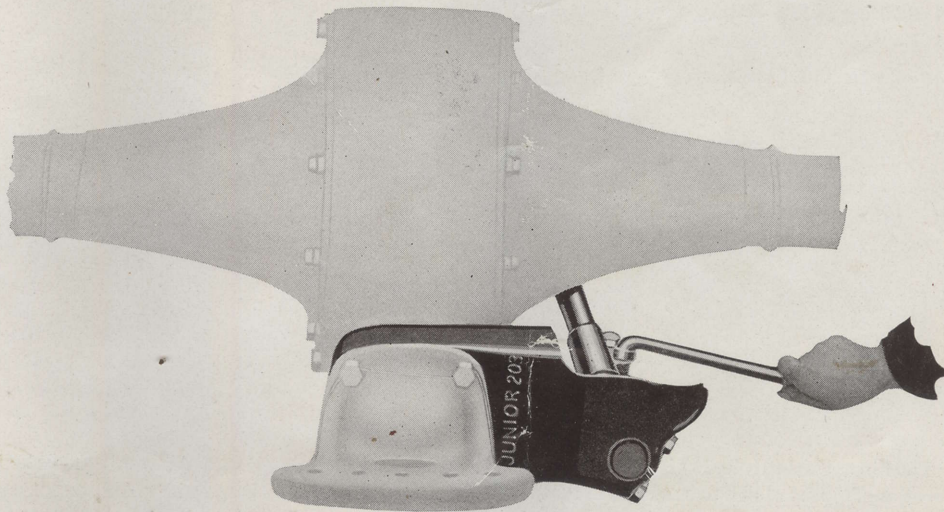


PLATE 2

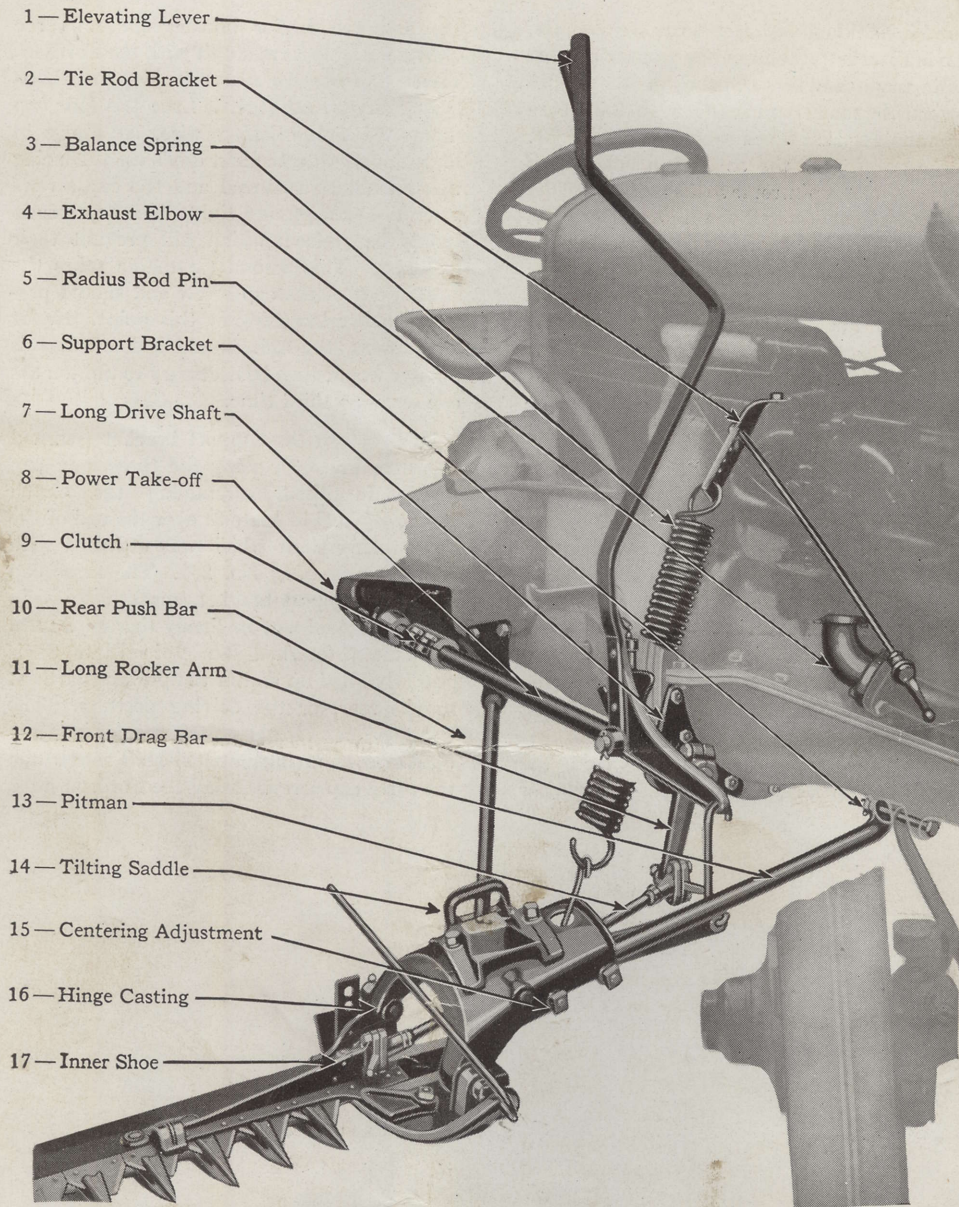


PLATE 3

The hinge casting (No. 16) is attached to Inner Shoe of the mowing bar, as shown in Plate 3.

The radius rod pin (marked No. 5 in Plate 3) is next attached to the Fordson as shown, inserted from the front.

The Rear Push Bar Assembly (marked No. 10 in Plate 3) is next installed, fastening the rear end through the plate (part 238) which is bolted to the bottom of the axle housing.

(marked No. 14 in Plate 3) to the hinge casting, as shown in Plate 3. Loosen the two cap screws of the tilting saddle over the hinge casting, then the mowing bar, together with the hinge casting as a unit, can be rocked so as to change the position of the guards, tilting up or down to the desired position, after which the two cap screws can be re-tightened, holding the entire unit in the desired position firm without backlash and unnecessary idle motion. This feature has proven a decided advantage in mowing work. The plate behind the large coil spring on the rear push bar No. 10 should be fastened to lower holes of rear axle housing. Keep these bolts tight.

The elevating lever (marked No. 1 in Plate 3) is now attached and connected with the cam lever through the elevating hook, as shown in Plate 3. The tie rod bracket (marked No. 2 in Plate 3) can now be attached, using the cylinder head bolt of the Fordson as shown. Next the balance spring is attached and is adjustable, using the correct notch of the tie rod bracket to assist in counter-balancing the weight of the mowing bar. With a small amount of trial the correct balance can be obtained through changing the position of this spring in the adjusting notch of the tie rod bracket. The spring should not be adjusted to a point where the mowing bar will not quickly return to the proper cutting position after clearing obstructions which raise the bar above the normal cutting level, as this would result in cutting the crop too high.

Next install the pitman (marked No. 13 in Plate 3), taking care that the ball end caps are securely tightened. Turn the clips and fill the oil holes at each end of pitman. **THESE TWO POSITIONS SHOULD BE OILED HOURLY FOR THE FIRST DAY.**

Next attach the exhaust elbow (marked No. 4 in Plate 3) which takes the Fordson exhaust tube out of interference with the mowing device; pointing upward, thereby preventing any possible damage from setting a dry stubble field on fire.

Method of Centering Knife Sections With Guards, On Mowing Bar

The front drag bar (marked No. 12 in Plate 3) is adjusted at the factory, but if, for any reason, its position has changed, the entire unit can be readjusted through the loosening of the nuts (marked No. 15 in Plate 3) driving the hinge casting and mowing bar either inward or outward until the knife sections center exactly with the center of the guard at the end of each stroke of the pitman. When this has been accomplished, with the mowing bar lying flat on the ground, nuts No. 15 should then be **securely** tightened and the entire unit is ready for use.

The Clutch

Marked No. 9 in Plate 3

The clutch is driven as far forward as it will go and locked in position, using the two cap screws, as shown in Plate 2. Be sure this is done before raising the mowing bar to the vertical position.

To engage the mower in its driving position, this clutch member (No. 9 in Plate 3) is slipped to the rear two inches from its forward position and securely clamped by the use of two cap screws as shown.

Oil

The oil level of the Fordson transmission should be maintained exactly as before the mower was attached, as the complete power housing unit is lubricated through the Fordson transmission oil. There are only three points where oil is necessary, at both ends of the pitman and the small oiler, found on the support bracket No. 6 in Plate 3. These three positions should be oiled daily.

NOTICE

Have you read carefully the instructions both on installation and operation of the
**DETROIT-JUNIOR
MOWER?**

Instructions for Ordering Parts

Always give number and name of each part ordered.

Specify how shipments are to be made.

Keep service orders separate from correspondence pertaining to other matters.

Prices F. O. B. factory—give serial number of mower.

Terms: Cash with order or C. O. D.

Prices subject to change without notice.

When TELEGRAPHING Use Code



DETROIT HARVESTER COMPANY

5450 West Jefferson Avenue

DETROIT

DETROIT JUNIOR MOWER FOR FORDSON

The following prices effective June 1, 1931
(Supersedes all previous price lists)

MOWING BAR PARTS LIST

0-4	Knife Clip .....	.12
0-10	Handle Nut .....	.12
0-12	Guard (Serrated).....	.50
0-13	Outer Shoe (with plate).....	2.70
0-14-B	Inner Shoe (with plate).....	6.75
0-16	Knife Clip Wearing Plate .....	.12
0-17	Guard Plate (Serrated) Box of 25	1.95
0-21	Inner Shoe Plate .....	.10
0-22	Outer Shoe Plate .....	.10
0-24	Hinge Pin .....	.25
0-29	Guard Bolt (Short) .....	.05
0-30	Guard Bolt (Long) .....	.06
0-31	Bolt, Outer Shoe to Bar .....	.08
0-32	Bolt, Inner Shoe Sole .....	.05
0-33	Bolt, Inner Shoe to Bar .....	.10
0-34	Bolt, Front Guide to Shoe .....	.06
0-37	Bolt, Grass Stick Socket .....	.05
0-40	Bolt, Tracker Board to shoe .....	.08
0-44	Rivet, Shoe Plate Per Pound .....	.25
0-45	Rivet, Knife Head Forging to Stamping Lb.	.25
0-47	Cotter, Hinge Pin .....	.02
0-52	Tracker Board Coil Spring .....	.10
0-53	Knife Section (Box of 25)	1.88
0-54	Rivet, Knife Section Per Pound .....	.25
0-55	Rivet, Knife Head to Knife Back per pound	.25
0-60	Bolt, Grass Rod to Shoe .....	.05
0-63	Knife Head Assembly	1.90
0-64-B	Inner Shoe Sole Assembly	1.10
0-65	Inner Knife Clip .....	.35
0-66	Rear Guide Wearing Plate .....	.15
0-67	Grass Rod .....	.45
0-68	Knife Head Ball Forging .....	.80
0-69	Knife Head Stamping .....	.70
0-70	Outer Shoe Sole Assembly .....	.90
0-71	Tracker Board Assembly (Swathboard).....	2.40
0-72	Grass Stick Assembly	1.20
0-75	Knife Back 5 Feet	1.00
0-76	Knife Back 6 Feet	1.00
0-77	Finger Bar 5 Feet	6.25
0-78	Finger Bar 6 Feet	7.50
0-79	Knife Guide	1.75
0-85	Knife (Sickle) Complete 5 Feet	5.70
0-86	Knife (Sickle) Complete 6 Feet	6.00
0-93	Mowing Bar Assembly 5 Feet	51.00
0-94	Mowing Bar Assembly 6 Feet	53.00

JUNIOR MOWER PACKING LIST

201	1	Power Housing Assembly ✓
224	1	Long Shaft & Bracket Assembly ✓
248-B	1	Front Drag Bar Assembly ✓
255-A	1	Rear Push Bar Assembly ✓
260-A	1	Elevating Lever Assembly ✓
0-71	1	Tracker Board Assembly ✓
0-85	1	Knife Assembly 5' or (see order) ✓
0-72	1	Grass Stick Assembly ✓
0-86	1	Knife Assembly 6' or (see order) ✓
0-93-B	1	Mower Bar Assembly 5' or (see order) ✓
0-94-B	1	Mower Bar Assembly 6' or (see order) ✓
289		Cam Lever and Lower elevating Rod Ass'y (Assembled on Bar)
278-A	1	<u>Bundle consisting of:</u>
223	1	Clutch ✓
240	1	Pitman Rod Assembly ✓
286	1	Balance Spring and Bracket Assembly ✓
557-H	1	Tie Rod Assembly (same as H.D) ✓
0-64B	1	Inner Shoe Sole Assembly ✓
0-67	1	Grass Rod ✓
285	1	Tilting Rod Assembly ✓
282-A		<u>Bag of Parts Consisting of:</u>
207	4	Power Housing Bolts 9/16 - 12 - 5-5/8 ✓
208	2	Power Housing Gasket ✓
209	1	Crank Gauge Washer ✓
210-L	1	Crank (L.H.Thd) ✓
211-L	1	Crank Jam Nut (L.H.Thd) ✓
543	3	Capscrew 7/16 - 14 - 2 1/4 ✓
544	3	Castellated Hex Nut 7/16 - 14 ✓
980	3	Cotter Pin 3/32 - 1' ✓
985	1	Cotter Pin 3/16 x 2 1/2 ✓
552-E	1	Radius Rod Pin Ass'y ✓

Exh Paper

JUNIOR MOWER PACKING LIST

201	1	Power Housing Assembly ✓
224	1	Long Shaft & Bracket Assembly ✓
248-B	1	Front Drag Bar Assembly ✓
255-A	1	Rear Push Bar Assembly ✓
260-A	1	Elevating Lever Assembly ✓
0-71	1	Tracker Board Assembly ✓
0-85	1	Knife Assembly 5' or (see order) ✓
0-72	1	Grass Stick Assembly ✓
0-86	1	Knife Assembly 6' or (see order) ✓
0-93-B	1	Mower Bar Assembly 5' or (see order) ✓
0-94-B	1	Mower Bar Assembly 6' or (see order) ✓
289		Cam Lever and Lower elevating Rod Ass'y (Assembled on Bar)

278-A 1 Bundle consisting of:

223	1	Clutch ✓
240	1	Pitman Rod Assembly ✓
286	1	Balance Spring and Bracket Assembly ✓
557-H	1	Tie Rod Assembly (same as H.D) ✓
0-64B	1	Inner Shoe Sole Assembly ✓
0-67	1	Grass Rod ✓
285	1	Tilting Rod Assembly ✓

Exh Paper Al

282-A Bag of Parts Consisting of:

207	4	Power Housing Bolts 9/16 - 12 - 5-5/8 ✓
208	2	Power Housing Gasket ✓
209	1	Crank Gauge Washer ✓
210-L	1	Crank (L.H.Thd) ✓
211-L	1	Crank Jam Nut (L.H.Thd) ✓
543	3	Capscrew 7/16 - 14 - 2 1/4 ✓
544	3	Castellated Hex Nut 7/16 - 14 ✓
980	3	Cotter Pin 3/32 - 1' ✓
985	1	Cotter Pin 3/16 x 2 1/2 ✓
552-E	1	Radius Rod Pin Ass'y ✓