

# PARTS BOOK

FOR D-EO-20 SIDE DELIVERY RAKE



MAY 1952

Harry Tersuson, Inc.

DETROIT MICHIGAN

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#### **FOREWORD**

This parts book for the D-EO-20 Side Delivery Rake has been arranged for easy reference in ordering and identifying current and prior model service parts.

This arrangement follows the same pattern we have established in previous books. Illustrations and Text appear together.

\* \* \*

This book supersedes catalog dated October 1949 form 0-3434

#### \* \* \*

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	RELATED PARTS	7 & 9
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#### INSTRUCTIONS

Wherever more than one part is covered by a reference number, the function of the parts are listed only once, that is after the first part number listed.

#### EXAMPLE:

PROTECT YOUR CUSTOMER - INSURE YOUR SERVICE BUY AND SELL ONLY GENUINE FERGUSON FARM TESTED PARTS

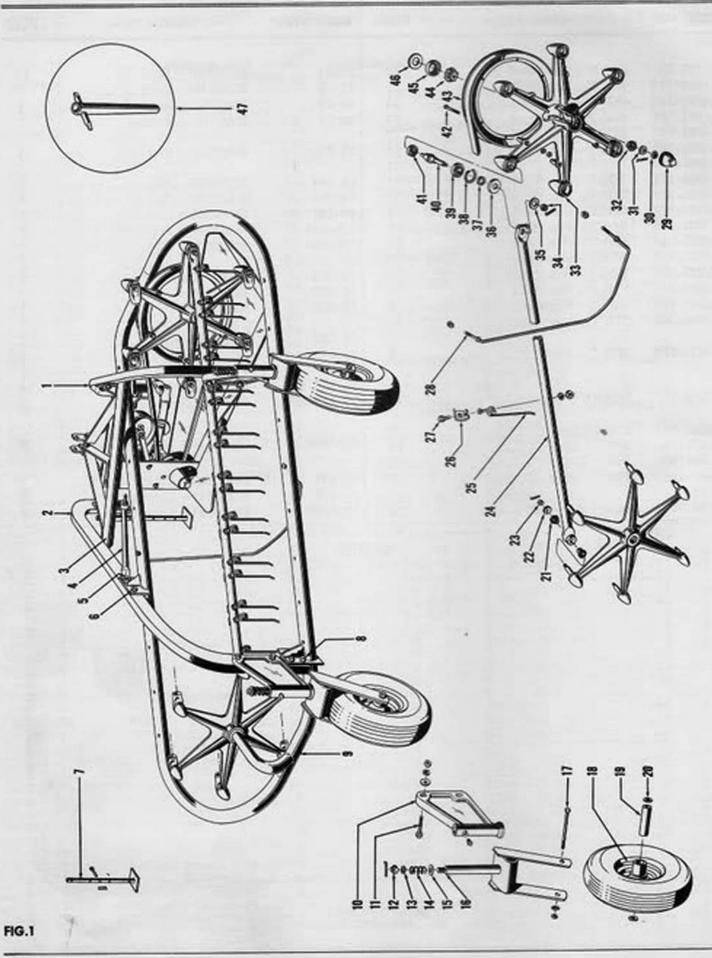
# D-EO-20 NUMERICAL PARTS INDEX

PART NO.	DESCRIPTION REF	. PAGE	PART NO.	DESCRIPTION	REF.	PAGE
Mes at 1				DRAGE REG		
D-EO-96	REDUCTION UNIT	14	D-EO-7823	BRACE - P.T.O. Bracket	6	11
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	KIT	9	D-E0-1020-1	Bracket	6	11
D-EO-98	CONVERSION KIT - Bean Raking 42	13	D EO 0000	STRUT ASSEMBLY	3	11
D-EO-99	SHEAVE AND BELT		D-EO-8000 D-EO-8004	BRACE - Strut - R.H	5	11
D-E0-99	KIT	9	D-EO-8005	BRACE - Strut - L.H	5	11
D-EO-780	STAND ASSY 7		D-EO-8010	CROSS TIE ASSY	47	13
TO-1139	CAP - Hub 29		D-EO-8014	BUSHING - Long	43	13
D-EO-3402	SPIDER ASSY R.H 33		D-EO-8015	BUSHING - Short	46	13
D-EO-3403	SPIDER ASSY L.H 33 SHAFT - Spider - R.H 40		D-EO-8900	HOUSING - Reduction	15	14
D-EO-3406 D-EO-3407	SHAFT - Spider - L.H 40		D PO 9000 4	Unit	10	14
D-EO-3420	SHEAVE ASSEMBLY 43	9	D-EO-8900-A	Unit	15	14
D-EO-3422	WASHER - Heavy 37		D-EO-8901	SPACER - Bearing	16	14
D-EO-3423	FLINGER 36		D-EO-8902	SHAFT - Reduction	12	14
D-EO-3424	NUT - Spider 34		D-EO-8903	EXTENSION - P.T.O.		
D-EO-3425	WASHER - Flat 22			Shaft	3	14
D-EO-3426	NUT - Spider 23 WASHER - Flat 35		D-EO-8904	SPROCKET ASSY	11	14
D-EO-3427 D-EO-3428	SHEAVE ASSEMBLY 43		D-EO-8907	SPROCKET ASSY SHIELD ASSY Reduc-		**
D-EO-3431	BAR ASSY Tooth 24	7	D-EO-8910	tion Unit	2	14
D-EO-3431-A	BAR ASSY Tooth 24		D-EO-8910-A	SHIELD ASSY Reduc-		
D-EO-3435	тоотн 25	9	D-20 0010 11	tion Unit	2	14
D-EO-3435-A	тоотн 25		D-EO-8950	SHAFT ASSY P.T.O		13
D-EO-3436	CLIP - Tooth 26		D-EO-8951	YOKE - Front	28	13
D-EO-3436-A	CLIP - Tooth 26		D-EO-8952	YOKE AND SLEEVE	28	13
D-EO-3437	BAR - Stripper 28 BAR - Stripper 28		D 50 0050	YOKE AND SHAFT	20	10
D-EO-3437-A D-EO-3442	WASHER - Spindle 46	Committee of the Commit	D-EO-8958	ASSEMBLY	27	13
D-EO-3446	STRAIGHTENER AND	A	D-EO-8959	YOKE - Rear		13
D-10-0110	SCREW DRIVER ASSY. 4"	7 9	D-EO-8971-B	SHEAVE ASSY Drive.	25	13
P-6234	RETAINER - Joint 3:	3 13	D-EO-8980	HOUSING ASSY		11 13
P-6235	WASHER - Cork 34		D-EO-8982	SHAFT ASSY Drive	24	13
P-6236	CENTER - Cross 3	5 13	D DO 0000	IDLER	38	13
P-6237	BUSHING - Center		D-EO-8988 D-EO-8989	WASHER	000 2020	13
	Cross		D-EO-8990	BRACKET ASSY		13
P-6238	SNAP RING - Joint 3 GUARD ASSY Belt 1		D-EO-8994	SLEEVE - Idler		13
D-EO-6501 D-EO-6501-A			D-EO-8995	PIN - Bracket		13
D-EO-6510	SUPPORT ASSY.		D-EO-8996	SPRING - Idler		13
D-20-0010	Guard 1	2 11	D-EO-9551	SPACER - Strut	1 4	11 11
D-EO-6513	Dritobit - Deit Gamar.	9 11	KO-9555	PIN - Link - L.H PIN - Link - R.H	8	îî
D-EO-6710-A	YOKE ASSEMBLY 1	8 7 8 7	S-9555 S-9773-H	NUT - Tri-Lock		9
D-EO-6710-B		0 1	S-9784-F	NUT - Nylock	28	9
D-EO-6720-A	BRACKET - Caster Wheel	0 7	S-9842	CONE & ROLLER ASSY.	32	9
D-EO-6720-B			S-9843	CUP - Bearing		9
D-E0-0120-D	Wheel 1	0 7	S-9862	BEARING - Roller	38	13
D-EO-6721	SPRING - Caster Wheel. 1	4 7	S-9863	BEARING - Ball		9
D-EO-6721-A	SPRING - Caster Wheel. 1		S-9864	BEARING - Ball BEARING - Ball		14
D-EO-6722	WASHER - Flat 1		S-9877 S-9914	SEAL - Dust		9
D-EO-6722-A	WASHER - Flat 1	3 7	S-9954	CHAIN - Assy		14
D-EO-6730	BUSHING - Wheel 2		8-9955	LINK - Roller		14
D-EO-6731 D-EO-6732	WASHER - Flat 2 SLEEVE - Caster Wheel 1		S-9956	LINK - Connecting	8	14
D-EO-6741	WHEEL ASSEMBLY 1		S-10093	U-JOINT SERVICE KIT.		13
D-EO-7800		9 7	S-10098	BUSHING - Rubber		7
D-EO-7810-B	ARCH ASSY R.H	1 7	S-10168	RING - Snap		9
D-EO-7812	ARCH ASSY L.H	2 7	S-10169	PIN - Internal Cotter		9
D-EO-7818	Dittion in the	4 7	S-10202-A S-10211-E	PIN - Clevis		7
D-EO-7819	BRACE - Arch - L.H	3 7	S-10211-E	U-BOLT	13	11
D-EO-7821	SUPPORT - Frame SUPPORT - Frame	3 7	S-10500	V-BELT		13
D-EO-7821-A			S-10501	V-BELT		13
D-EO-7822	BRACKET - P.T.O 2	UII	D-IOOOI	V-BELT		13

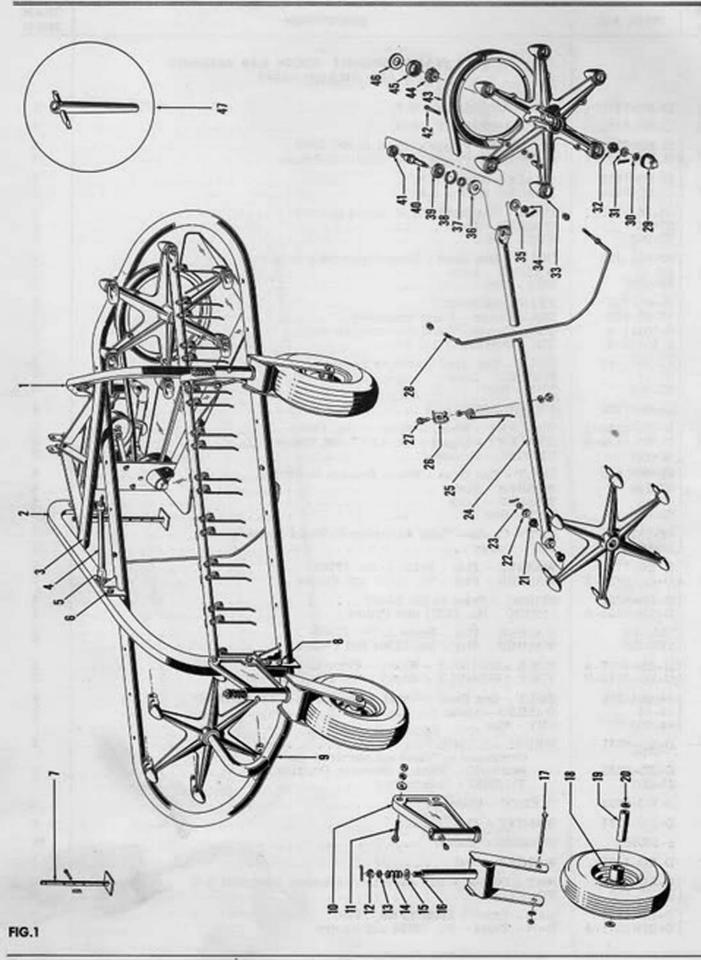
#### STANDARD PARTS INDEX

STANDARD FARTS INDEX					
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25-001-75	BOLT - Hex Head	13	25-14	WASHER - Lock	13
31-001-112	BOLT - Hex Head	11	31-14	WASHER - Lock	9
31-001-212	BOLT - Hex Head	14	44-14	WASHER - Lock	7
31-001-238	BOLT - Hex Head	13	62-14	WASHER - Lock	7
31-001-300	BOLT - Hex Head	9			
44-001-100	BOLT - Hex Head	11	31-104	WASHER - Flat	11
44-001-112	BOLT - Hex Head	11	2000		
44-001-138	BOLT - Hex Head	11	62-104	WASHER - Flat	7
44-001-300	BOLT - Hex Head	13	75-104	WASHER - Flat	9
44-001-775	BOLT - Hex Head	7	88-104	WASHER - Flat	11
62-001-125	BOLT - Hex Head	7	100-104	WASHER - Flat	7
62-001-138	BOLT - Hex Head	11	125-104	WASHER - Flat	7
62-001-150	BOLT - Hex Head	7	11 - 12 - 13 - 13 - 13 - 13 - 13 - 13 -		
62-001-200	BOLT - Hex Head	13	31-003	NUT - Hex	9
62-001-225	BOLT - Hex Head	13	44-003	NUT - Hex	7
62-001-238	BOLT - Hex Head	7	62-003	NUT - Hex	7
62-001-350	BOLT - Hex Head	11			
			62-023	NUT - Castle	7
31-011-250	BOLT - Carriage	9	75-023	NUT - Castle	9
			25-125-62	PIN - Groove	14
44-101-50	SCREW - Cap	14	25-125-200	PIN - Groove	13
09-05-100	PIN - Cotter	7	88-1003	NUT - Hex Jam	14
12-05-100	PIN - Cotter	13	00-1003	NOT - HEX VAIII	**
16-05-150	PIN - Cotter	7	San Farman		
19-05-150	PIN - Cotter	7	25-007	FITTING - Lubrication	7
			12-107	FITTING - Lubrication	7
19-09-88	KEY - Woodruff	13	12-3107	FITTING - Lubrication	13

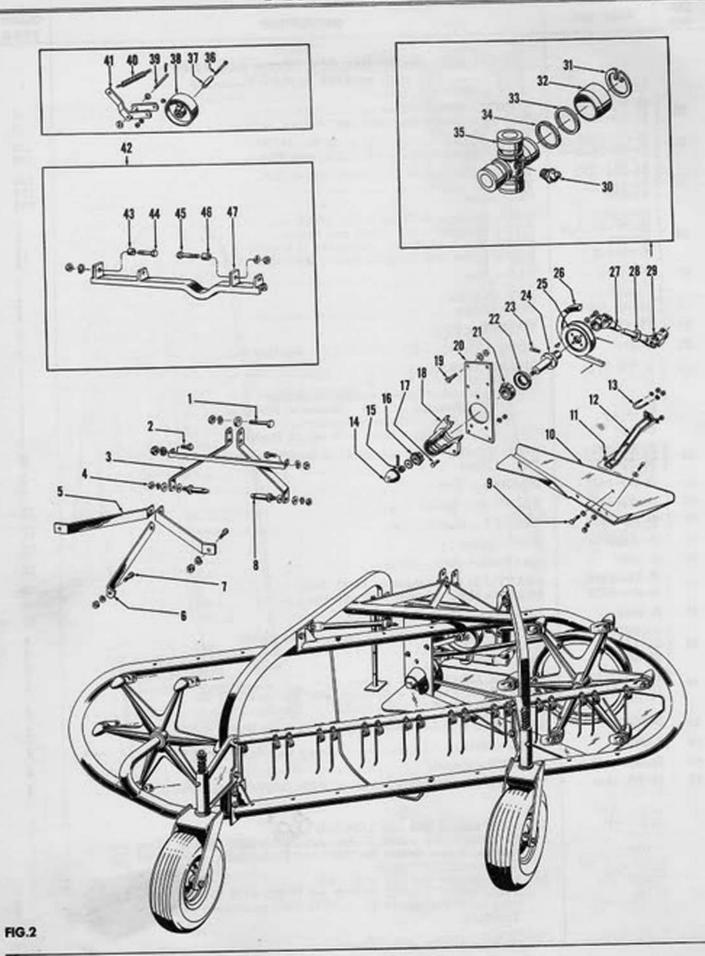
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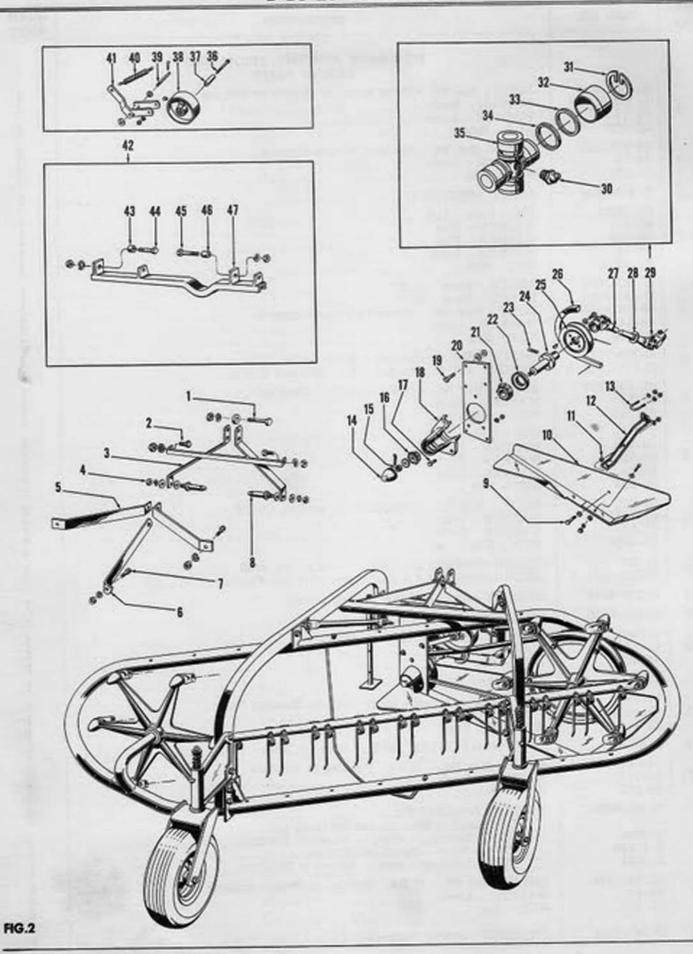
REF. NO.	PART NO.	DESCRIPTION	QUAN. REQ'D
		FIG.1 FRAME ASSEMBLY, TOOTH BAR ASSEMBLY AND RELATED PARTS	
1	D-EO-7810-B	ARCH ASSEMBLY - R.H	1
2	D-EO-7812	ARCH ASSEMBLY - L.H	1
3	D-EO-7821 D-EO-7821-A	SUPPORT - Frame - Prior to No. 3300	1 1
4	D-EO-7818 D-EO-7819	BRACE - Arch - R.H	1
5	62-001-150 62-14 62-003	BOLT - Hex Head - R.H. Brace to Arch	1 1
6	62-001-125 62-14 62-003	BOLT - Hex Head - Frame Assembly to Arch	3 3 3
7	D-EO-780 19-05-150 S-10211-E S-10202-A	STAND ASSEMBLY PIN - Cotter - Stand Assembly PIN - Clevis - Stand Assembly to Arch PIN - Internal Cotter Hair	1 1 1 1
8	62-001-125 62-14 62-003	BOLT - Hex Head - Arch to Frame	4 4
9	D-EO-7800	FRAME ASSEMBLY	1
10	D-EO-6720-A D-EO-6720-B 12-107	BRACKET - Wheel - Prior to No. 13300	2 2 2
11	62-001-238 62-104 62-14 62-003	BOLT - Hex Head - Wheel Bracket to Arches	4 4 4 4
12	{62-023 16-05-150	NUT - Castle - Yoke Assembly to Wheel Bracket	2 2
13	D-EO-6722 D-EO-6722-A	WASHER - Flat - Prior to No. 13300	2 2
14	D-EO-6721 D-EO-6721-A	SPRING - Prior to No. 13300	2 2
15	{100-104 125-104	WASHER - Flat - Prior to No. 13300	2 2
16	D-EO-6710-A D-EO-6710-B	YOKE ASSEMBLY - Wheel - Prior to No. 13300	2 2
17	{44-001-775 44-14 44-003	BOLT - Hex Head - Wheel Assembly to Yoke Assembly	2 2 2
18	D-EO-6741	WHEEL ASSEMBLY	2
	D-EO-6730 25-007	Composed of Wheel not serviced and BUSHING - Wheel - Shown in Position	2 2
19	D-EO-6732	SLEEVE - Wheel	2
20	D-EO-6731	WASHER - Flat	4
21	S-10098	BUSHING - Rubber	12
22	D-EO-3425	WASHER - Flat	6
23	D-EO-3426 09-05-100	NUT - Drilled - Bar Assembly to Spider Assembly L.H	6
24	D-EO-3431 D-EO-3431-A	BAR - Tooth - Prior to No. 14550	6



REF. NO.	PART NO.	DESCRIPTION	QUAN. REQ'D
		FIG.1 FRAME ASSEMBLY, TOOTH BAR ASSEMBLY AND RELATED PARTS - Continued	
25	D-EO-3435 D-EO-3435-A	TOOTH - Gray - Prior to No. 14550	108 108
26	D-EO-3436 D-EO-3436-A	CLIP - Tooth - Gray - Prior to No. 14550	108 108
27	\[ \begin{cases} 31-011-250 \\ 31-14 \\ 31-003 \end{cases} \]	BOLT - Carriage - Tooth and Clip to Bar	108 108 108
28	D-EO-3437 D-EO-3437-A S-9773-H S-9784-F	BAR - Stripper - Prior to No. 16890	9 9 18 18
29	TO-1139	CAP - Hub	2
30	{75-023 16-05-150	NUT - Castle	2 2
31	75-104	WASHER - Flat	2
32	S-9842	CONE AND ROLLER ASSEMBLY - Bearing Outer	2
33	D-EO-3403 D-EO-3402	SPIDER ASSEMBLY - L.H	1
	S-9843 S-10169 S-9861	Composed of Spider not serviced and CUP - Bearing - Outer - Shown in Position RING - Snap - Shown in Position	1 1 1
34	D-EO-3424 16-05-150	NUT - Drilled - Bar Assembly to Spider Assembly - R.H	6
35	D-EO-3427	WASHER - Flat	6
36	D-EO-3423	FLINGER - Spider	12
37	D-EO-3422	WASHER - Heavy	12
38	8-10168	RING - Snap	12
39	S-9863	BEARING - Ball - Outer	12
40	D-EO-3407 D-EO-3406	SHAFT - L.H Spider to Tooth Bar	6
41	S-9864	BEARING - Ball - Inner	12
42	31-001-300 31-14 31-003	BOLT - Hex Head - Sheave Assembly to Spider	6 6
43	D-EO-3420 D-EO-3428	SHEAVE ASSEMBLY - Driven	1
44	S-9860	CONE AND ROLLER ASSEMBLY - Bearing Inner	1
45	8-9914	SEAL - Dust	1
46	D-EO-3442	WASHER - Spindle	1
47	D-EO-3446	TOOTH STRAIGHTENER AND SCREW DRIVER ASSEMBLY	1
	D-EO-3440	1001H STRAIGHTENER AND SCREW DRIVEN ADDRESS.	
	D-EO-97	KIT - 22" Sheave and 108-1/2" Belt	1
	D-EO-99	KIT - 22" Sheave and 115-3/4" Belt	1
			1 - 3/



REF.	PART NO.	D-EO-20 PARTS LIST - DESCRIPTION	QUAN. REQ'D
NO.	02522		NEW D
		FIG.2 DRIVE ASSEMBLY, STRUTS AND RELATED PARTS	No.
	62-001-350	BOLT - Hex Hd Strut Assy. to Braces to Stopper	1
1	D-EO-9551 62-14	SPACER - Strut	1
	62-003	NUT - Hex	1
2	44-001-100 44-14 44-003	BOLT - Hex Hd Strut to Frame Support WASHER - Lock. NUT - Hex	2 2 2
3	D-EO-8000	STRUT ASSEMBLY	1
	KO-9555	PIN - Link - L.H.	1
. 4	88-104 62-104 62-14	WASHER - Flat	1 1
	l 62-003	NUT - Hex	1
	D-EO-8005 D-EO-8004	BRACE - Strut - L.H. BRACE - Strut - R.H.	1 1 2 2 2
5	44-001-112	BOLT - Hex Hd Struts to Frame Support	2
	44-14	WASHER - Lock	2 2
6	D-EO-7823 D-EO-7823-A	BRACE - P.T.O. Bracket - Prior to No. 3300	1
	62-001-138	BOLT - Hex Hd Brace to P.T.O. Bracket	1
7	62-14 62-003	WASHER - Lock. NUT - Hex	î
	8-9555	PIN - Link - R.H	1
8	88-104 62-104	WASHER - Flat	1
- 4	62-14	WASHER - Lock	î
	62-003	NUT - Hex	1
	31-001-112 31-104	BOLT - Hex Hd Support Assy. to Belt Guard	2 2 2
9	31-14	WASHER - Lock	2
	31-003	NUT - Hex	2
10	D-EO-6501 D-EO-6501-A	GUARD ASSEMBLY - Belt - Prior to No. 3300	1
11	D-EO-6513	SPACER - Support Assy. to Belt Guard	1
12	D-EO-6510	SUPPORT ASSEMBLY - Guard	1
13 -	S-10401 44-14	U-BOLT - Support Assy. to Frame	1 2
10	44-003	NUT - Hex	2
14	TO-1139	CAP - Hub	1
	75-023	NUT - Hex - Slotted - Shaft Assy. to Housing Assy	1
15	16-05-150 75-104	PIN - Cotter	1
16	S-9842	CONE AND ROLLER ASSY Bearing Inner	1
	44-001-138	BOLT - Hex Hd P.T.O. Housing to Bracket	
17	44-14 44-003	WASHER - Lock NUT - Hex	3 3 3
18	D-EO-8980	HOUSING ASSEMBLY	1
	S-9843	Composed of Housing not Serviced and CUP - Bearing - Outer - Shown in Position	1
	S-10169 S-9861	RING - Snap - Shown in Position	1
	62-001-138	BOLT - Hex Hd P.T.O. Bracket to Frame Support	2 2
19	62-14 62-003	WASHER - Lock. NUT - Hex	2 2
20	D-EO-7822	BRACKET - Power Take-Off	1
		Distriction of the contract of	



REF. NO.	PART NO.	DESCRIPTION	QUAN. REQ'D
		FIG.2 DRIVE ASSEMBLY, STRUTS AND RELATED PARTS - Continued	
21	S-9860	CONE AND ROLLER ASSEMBLY - Bearing - Outer	1
22	S-9914	SEAL - Dust	1
23	25-125-200	PIN - Groove	1
24	D-EO-8982 19-09-88	SHAFT - Drive	1
25	D-EO-8971-B 25-001-75 25-14	SHEAVE - Drive	1 4 4
26	S-10500 S-10501 S-10502	V-BELT - Prior to No. 3300 - and also used in D-EO-97 V-BELT - No. 3301 and Future	1 1 1
	D-EO-8950	SHAFT ASSEMBLY - Power Take-Off	1
27	D-EO-8958 D-EO-8959	YOKE AND SHAFT ASSEMBLY	1
28	D-EO-8952 D-EO-8951	YOKE AND SLEEVE ASSEMBLY	1
	31-001-238 31-14 31-003	BOLT - Hex Hd Front Yoke to P.T.O Shaft - Shown in Position WASHER - Lock	1 1 1
29	S-10093	KIT - Universal Joint Service	2
30	12-3107	FITTING - Lubrication	1
31	P-6238	RING - Snap	4
32	P-6237	BUSHING - Center Cross	4
33	P-6234	RETAINER - Joint	4
34	P-6235	WASHER - Cork	4
35	P-6236	CENTER - Cross	1
36	\$\begin{cases} 44-001-300 \\ 44-14 \\ 44-003 \end{cases}	BOLT - Hex Hd Idler to Bracket	1 1
37	D-EO-8994	SLEEVE - Idler	1
38	D-EO-8988 D-EO-8989 S-9862 12-107	IDLER. WASHER - Flat - Shown in Position BEARING - Roller - Shown in Position FITTING - Grease	1 1 1 1 1
39	D-EO-9885 12-05-100 62-104 62-003	PIN - Bracket PIN - Cotter WASHER - Flat NUT - Hex	1 1 1 1
40	D-EO-8996	SPRING - Idler	1
41	D-EO-8990	BRACKET ASSEMBLY - Idler	1
42	D-EO-98	CONVERSION KIT - Bean Raking	1
43	D-EO-8014	BUSHING - Long - Cross Tie	1
44	62-001-200 62-14 62-003	BOLT - Hex Hd Cross Tie to R.H. Arch	1 1 1
45	62-001-225 62-14 62-003	BOLT - Hex Hd Cross Tie to L.H. Arch	1 1 1
46	D-EO-8015	BUSHING - Short - Cross Tie	1
47	D-EO-8010	CROSS TIE ASSEMBLY	1

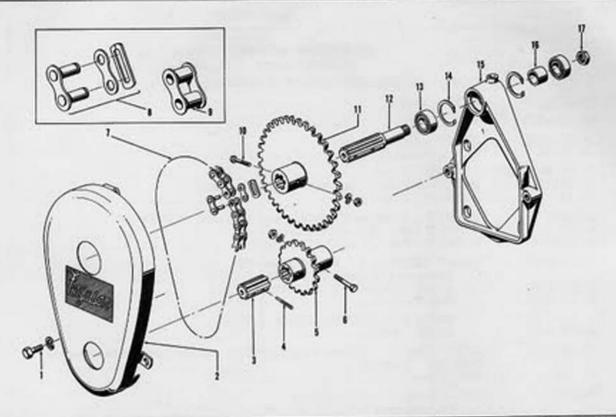


FIG.3

REF. NO.	PART NO.	DESCRIPTION	QUAN. REQ'D
*		FIG.3 REDUCTION UNIT - P.T.O. SPEED	1- 6
	D-EO-96	REDUCTION UNIT - P.T.O. Speed	1
1	{ 44-101-50 44-14	SCREW - Cap - Shield to Housing	3
2	D-EO-8910 D-EO-8910-A	SHIELD ASSEMBLY - Use w/D-EO-8900	1
3	D-EO-8903	EXTENSION	1
4	25-125-62	PIN - Groove	1
5	D-EO-8907	GEAR - 18 Teeth	1
6	\begin{cases} 31-001-212 \\ 31-14 \\ 31-003 \end{cases}	BOLT - Hex Head - Extension to Gear	1 1 1
7	8-9954	CHAIN ASSEMBLY	1
8	8-9956	LINK - Connecting	1
9	8-9955	LINK - Roller	24
10	\begin{cases} 31-001-212 \\ 31-14 \\ 31-003 \end{cases}	BOLT - Hex Head - Shaft to Sprocket	1 1
11	D-EO-8904	SPROCKET - 36 Teeth	1
12	D-EO-8902	SHAFT	1
13	S-9877	BEARING - Ball	2
14	S-10168	RING - Snap	2
15	D-EO-8900 D-EO-8900-A	HOUSING - Use w/D-EO-8910	1
16	D-EO-8901	SPACER - Ball Bearing	1
17	88-1003	NUT - Hex Jam	1



Form 0-3434-A

LITHO IN U.S.A.