

Dragon Products

by Modern
Manufacturing

1796
01

Modern

**42", 4', 5', 6'
Sunshine
Rotary Cutter**

**Owner's/Operator's
Manual**

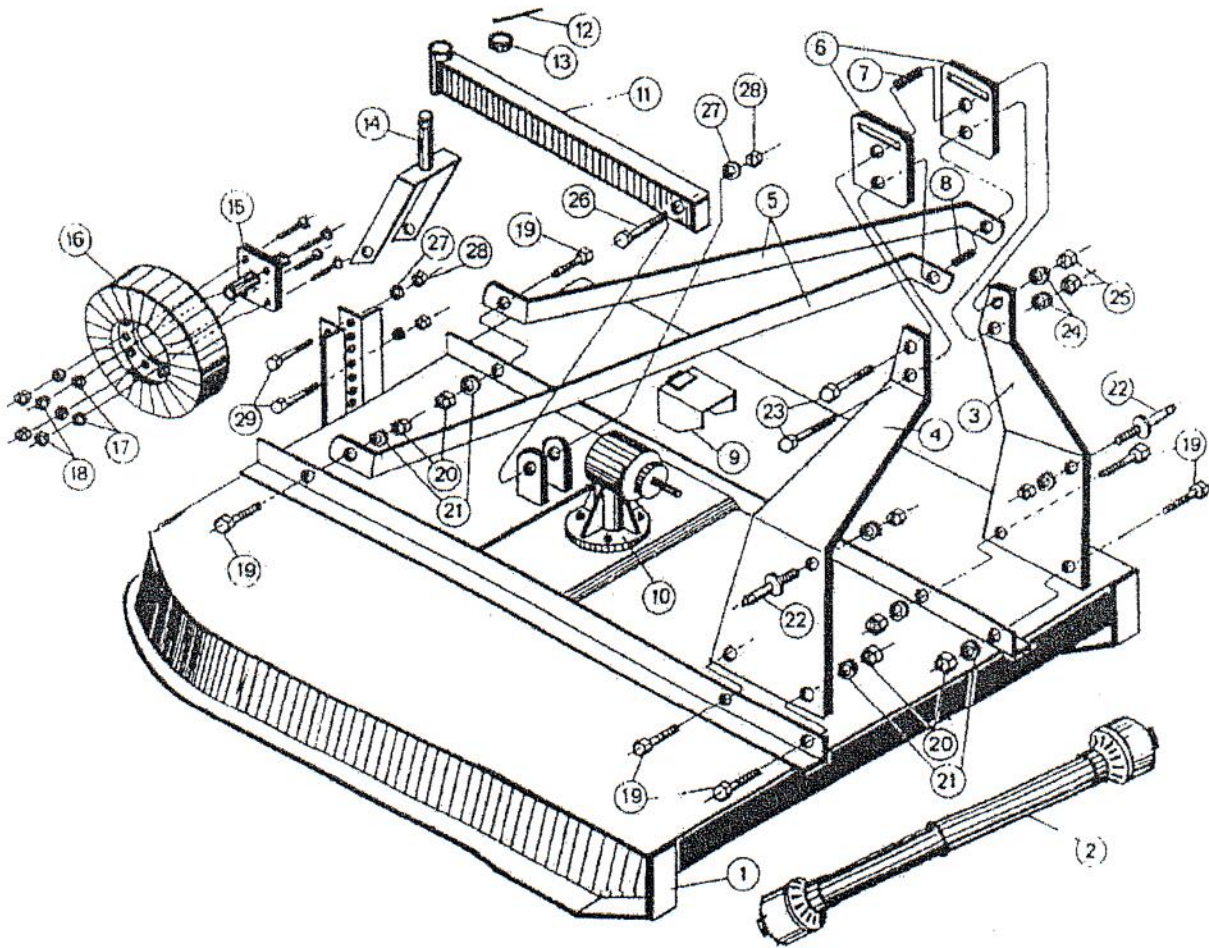
**Dragon Products
by Modern Manufacturing**

P.O. Box 790 / Beaumont, Texas 77704
(409) 833-2665 (800) 231-8198 Fax (409) 833-3780

June 1994

PARTS LIST

4' SUNSHINE - SS48 MAIN ASSEMBLY



PARTS LIST

4' SUNSHINE - SS48 MAIN ASSEMBLY

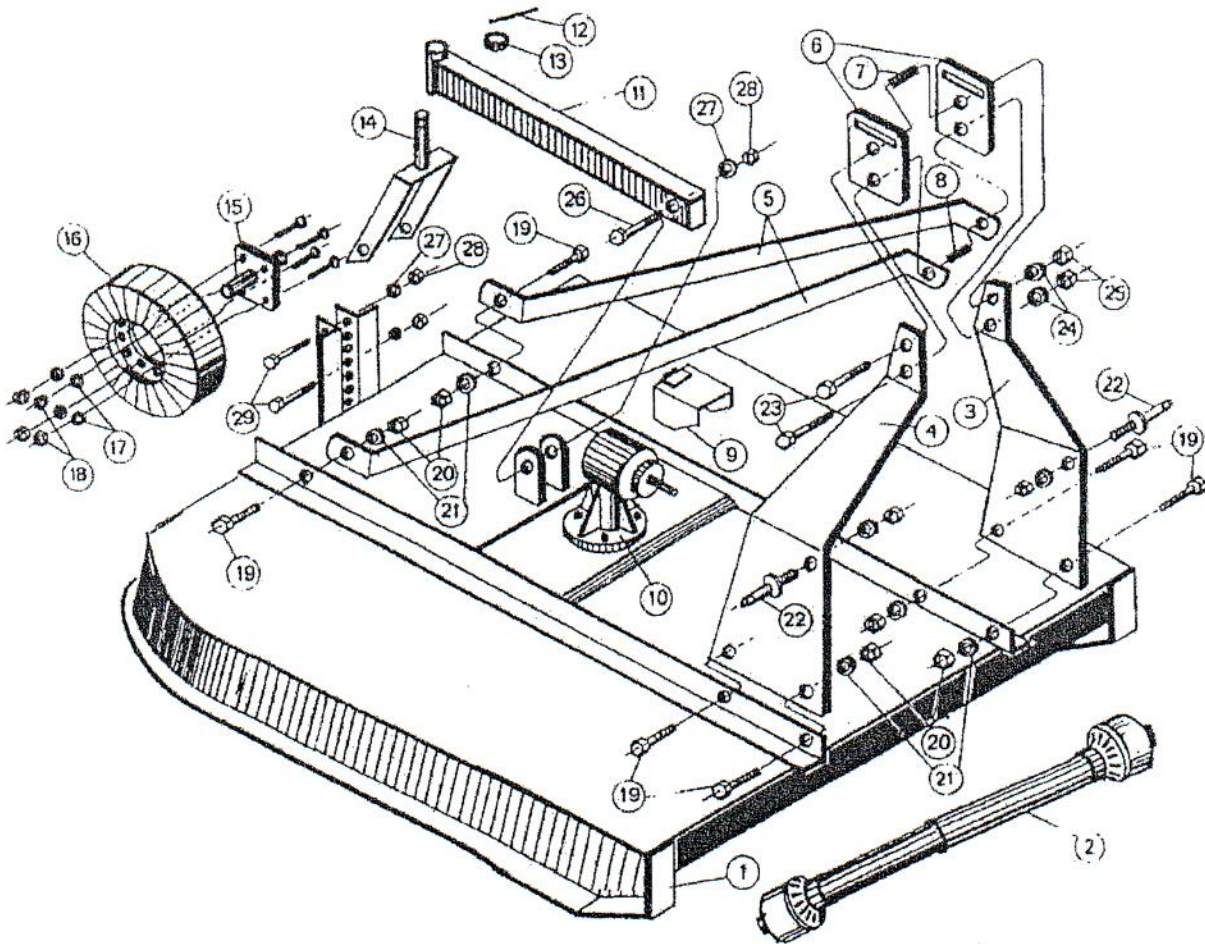
ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	101-3803	1	WELDED DECK
2	343-134	1	PTO COMPLETE
3	105-7010-L\R	1	STRUT RISER-LEFT\RIGHT
4	115-7134	1	U-PIVOT BRACKET 4-HOLE
	115-7135	2	BUSHING - PIVOT BRACKET
5	101-3861	2	STRUT BRACE
6	105-7134	1	FLEX PLATE
7	412-5404	1	SPACER
8	412-5403	1	SPACER
9	900-0003	1	HINGED SHEILD
10	401-0007-01	1	GEARBOX
11	101-8015	1	TAILWHEEL BOOM
12	412-0081	1	COTTER PIN
13	101-7552	1	SPACER
14	116-6486-01	1	TAILWHEEL YOKE FOR 5/8" AXLE BOLT
	116-6486	1	TAILWHEEL YOKE FOR 3/4" AXLE BOLT
15	900-1836	1	TAILWHEEL HUB FROR 5/8" AXLE BOLT
	401-3789	1	TAILWHEEL HUB FOR 3/4" AXLE BOLT
16	103-209	1	LAMINATED TIRE AND WHEEL
17	412-0072	4	1/2" LOCKWASHER
18	412-2287	4	1/2" - 20 NUT
19	412-0023	6	5/8" - 11 X 2" HHCS
20	412-0059	6	5/8" - 11 NUT
21	412-0073	6	5/8" LOCKWASHER
22	150-10	2	CAT I LIFT PIN ASSY.
23	412-2134	2	3/4" - 10 X 4-1/2" HHCS
24	412-0074	2	3/4" LOCKWASHER
25	412-0061	2	3/4" - 10 NUT
26	412-2094	1	1/2" - 13 X 4" HHCS
27	412-0072	3	1/2" LOCKWASHER
28	412-0058	3	1/2" - 13 NUT
29	412-2092	3	BOLT 1/2" 3-1/2" GR. 2
	610-1650	1	GEARBOX MOUNTING PLATE

CHAIN GUARDS

101-3590	FRONT
101-3591	REAR

PARTS LIST

5' SUNSHINE - SS60 MAIN ASSEMBLY



PARTS LIST

5' SUNSHINE - SS60 MAIN ASSEMBLY

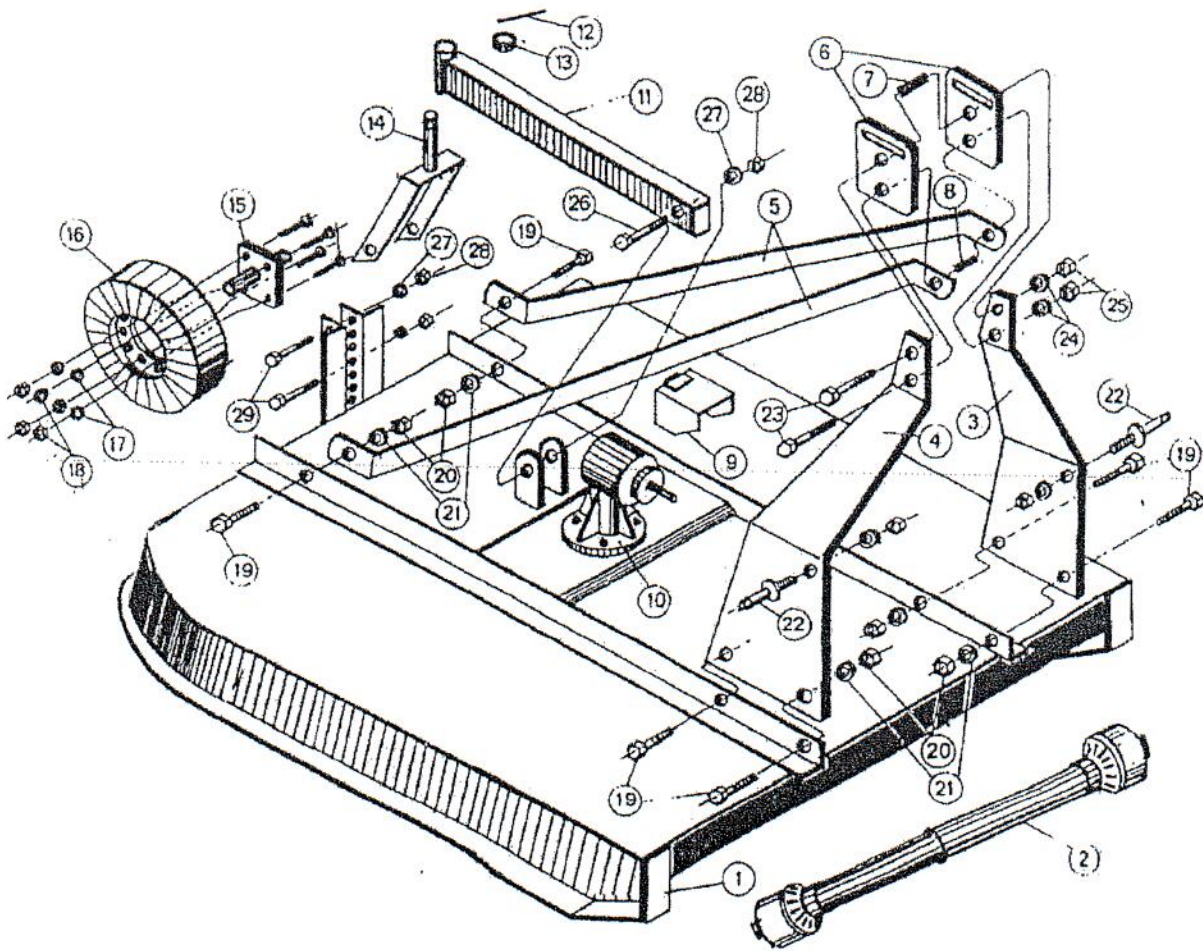
ITEM	PART NO.	QTY.	DESCRIPTION
1	101-1673	1	Welded Deck
2 343-134	401-0294	1	PTO Complete
3	105-5010L	1	Strut Riser-Left
4	105-5010R	1	Strut Riser-Right
5 <i>116-1025G galvanized</i>	101-0872	2	Strut Brace
6	105-7134	2	Flex Plate
7	412-5404	1	Spacer
8	412-5403	1	Spacer
9 900-0003	105-1438-01	1	Hinged Shield
10	401-0007-01	1	Gearbox
11 101-8015	105-5009	1	Tailwheel Boom
12	412-0081	1	Cotter Pin
13	101-7552	1	Spacer
14	116-6486-01	1	Tailwheel Yoke for 5/8" Axle Bolt
	116-6486	1	Tailwheel Yoke for 3/4" Axle Bolt
15	900-1836	1	Tailwheel Hub for 5/8" Axle Bolt
	401-3789	1	Tailwheel Hub for 3/4" Axle Bolt
16 103-209	401-0040	1	Laminated Tire & Wheel
17	412-0072	4	1/2" Lockwasher
18	412-2287	4	1/2" - 20 Nut
19	412-0023	6	5/8" - 11 x 2" HHCS
20	412-0059	6	5/8" - 11 Nut
21	412-0073	6	5/8" Lockwasher
22 150-10	412-7770	2	Cat I Lift Pin Assy.
23	412-2134	2	3/4" - 10 x 4 1/2" HHCS
24	412-0074	2	3/4" Lockwasher
25	412-0061	2	3/4" - 10 Nut
26	412-2094	1	1/2" - 13 x 4" HHCS
27	412-0072	3	1/2" Lockwasher
28	412-0058	3	1/2" - 13 Nut
29	412-2092	3	Bolt 1/2" x 3 1/2" GR. 2
	610-1650	1	gearbox mounting plate

replace w/ (1) 105-7010-L
(1) 105-7010-R
(1) 115-7134
(1) 115-7135

116-6487-01
(2) 101-7552
116-6487
101-7552(2)

PARTS LIST

6' SUNSHINE - SS72 MAIN ASSEMBLY



PARTS LIST

6' SUNSHINE - SS72 MAIN ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	101-0870	1	Welded Deck
2	343-135 401-0300-01	1	PTO Complete
3	105-5010L	1	Strut Riser-Left
4	105-5010R	1	Strut Riser-Right
5	116-1025 101-0872	2	Strut Brace
6	105-65032	2	Flex Plate
7	412-5404	1	Spacer
8	412-5403	1	Spacer
9	900-0003 105-1438-01	1	Hinged Shield
10	401-0007	1	Gearbox
11	101-7127 105-6009	1	Tailwheel Boom
12	412-0081	1	Cotter Pin
13	101-7552	1	Spacer
14	116-6486-01	1	Tailwheel Yoke for 5/8" Axle Bolt
	116-6486	1	Tailwheel Yoke for 3/4" Axle Bolt
15	900-1836	1	Tailwheel Hub for 5/8" Axle Bolt
	401-3789	1	Tailwheel Hub for 3/4" Axle Bolt
16	103-209 401-0048	1	Laminated Tire & Wheel
17	412-0072	4	1/2" Lockwasher
18	412-2287	4	1/2" - 20 Nut
19	412-0023	6	5/8" - 11 x 2" HHCS
20	412-0059	6	5/8" - 11 Nut
21	412-0073	6	5/8" Lockwasher
22	150-10 412-7770	2	Cat 1 Lift Pin Assy.
23	412-2134	2	3/4" - 10 x 4 1/2" HHCS
24	412-0074	2	3/4" Lockwasher
25	412-0061	2	3/4" - 10 Nut
26	412-2094	1	1/2" - 13 x 4" HHCS
27	412-0072	3	1/2" Lockwasher
28	412-0058	3	1/2" - 13 Nut
29	412-2092	3	Bolt 1/2" x 3 1/2" GR 2.
	610-1650	1	Gearbox mounting plate

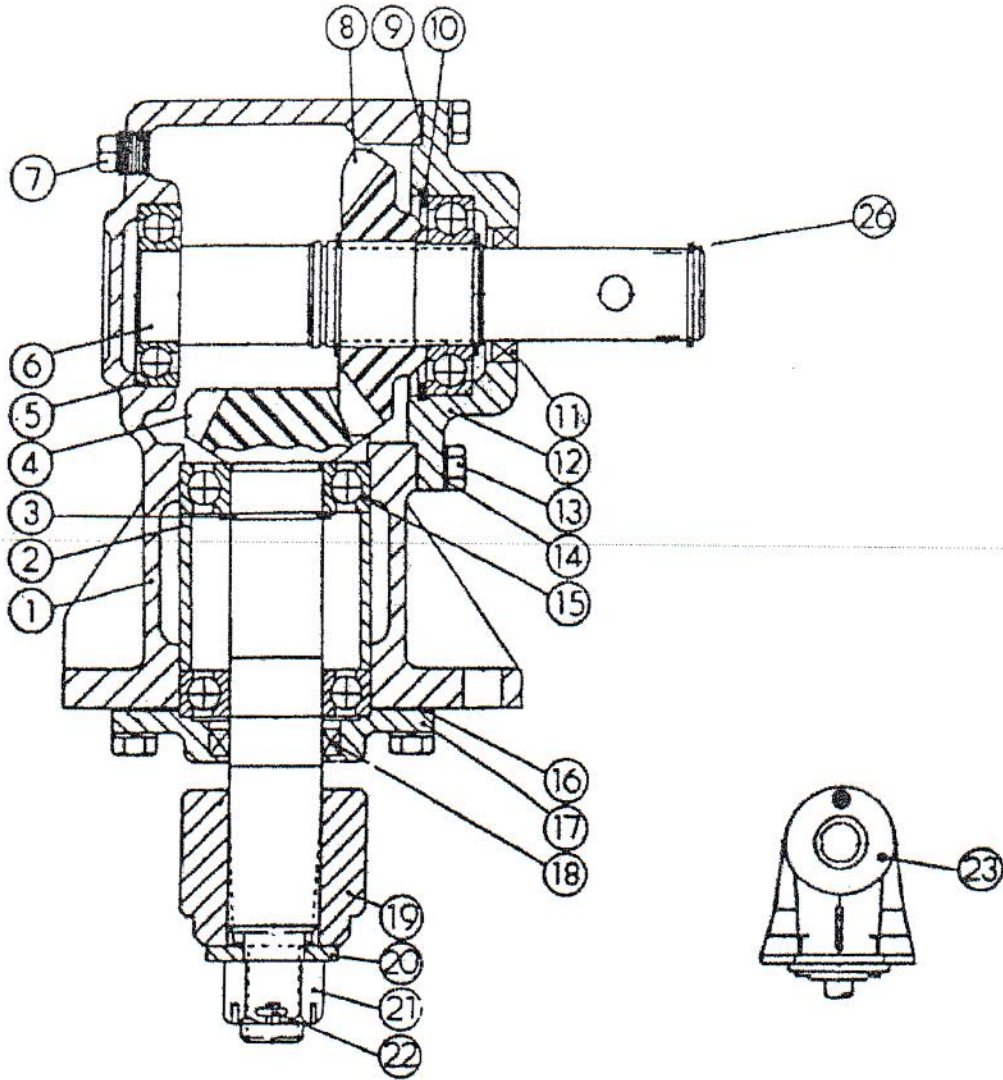
replace w/ (1) 105-7010-L
(1) 105-7010-R
(1) 115-7134
(1) 115-7135

sleeve 101-7134

116-6487-01
101-7552 (2)
116-6487
101-7552 (2)

PARTS LIST

4' & 5' SUNSHINE GEARBOX



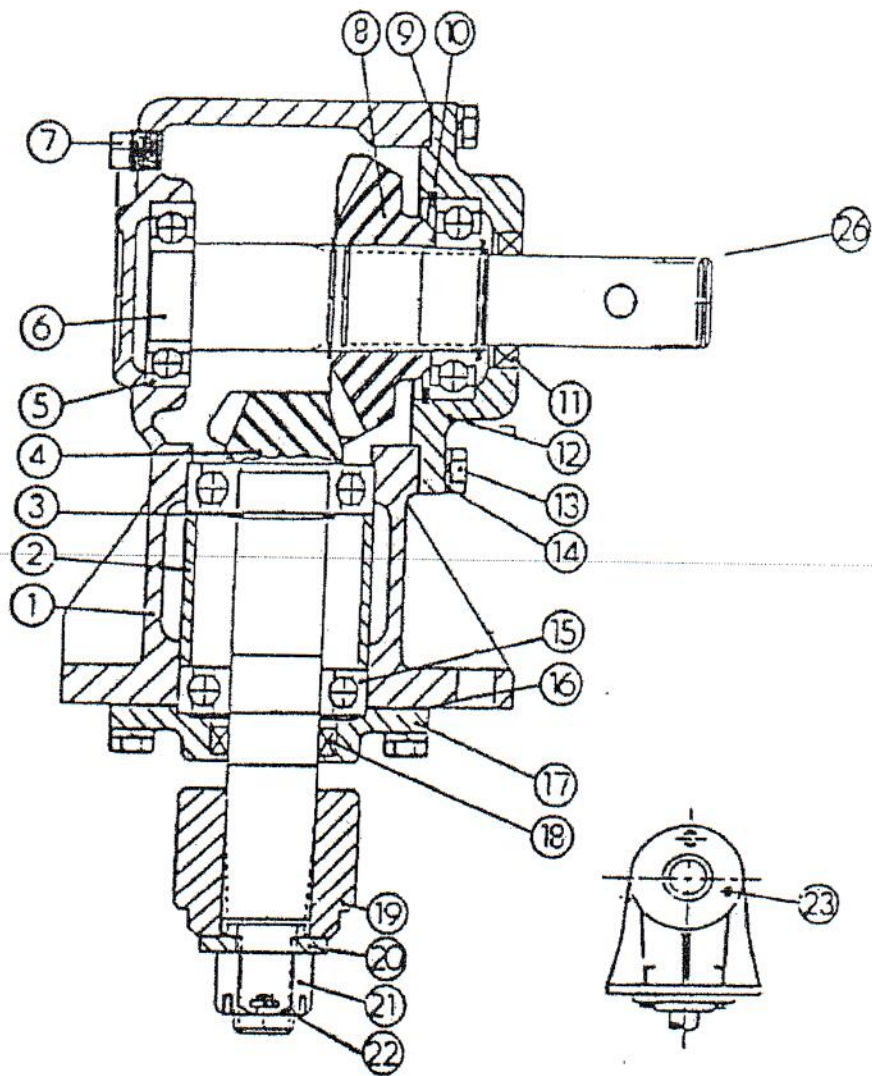
PARTS LIST

4' & 5' SUNSHINE GEARBOX

ITEM NO.	PART NO.	QTY.	DESCRIPTION
	401-0007-01	1	Gearbox
1	501-0023	1	Housing
2	501-0024	1	Spacer
3	501-0021	3	Retaining Ring
4	900-1493	1	Output Pinion
5	501-0011	1	Bearing
6	501-0012	1	Input Shaft
7	501-0030	1	Plug
8	900-1489	1	Input Gear
9	501-0016	AR	Input Gasket
10	501-0015	1	Retaining Ring
11	501-0020	1	Seal
12	501-0019	1	Input Cap
13	501-0018	10	Cap Screw
14	501-0017	10	Lockwasher
15	501-0025	3	Bearing
16	501-0026	AR	Gasket
17	501-0028	1	Output Cap
18	501-0027	1	Seal
19	401-7559	1	Hub
20	401-7471	1	Flat Washer
21	401-7263	1	Hex Nut
22	900-8951	1	Plug Cotter Pin
26	421-7978	1	Retaining Ring
23	501-0254	1	Pressure relief plug 1/8" NPT

PARTS LIST

6' SUNSHINE GEARBOX



PARTS LIST

6' SUNSHINE GEARBOX

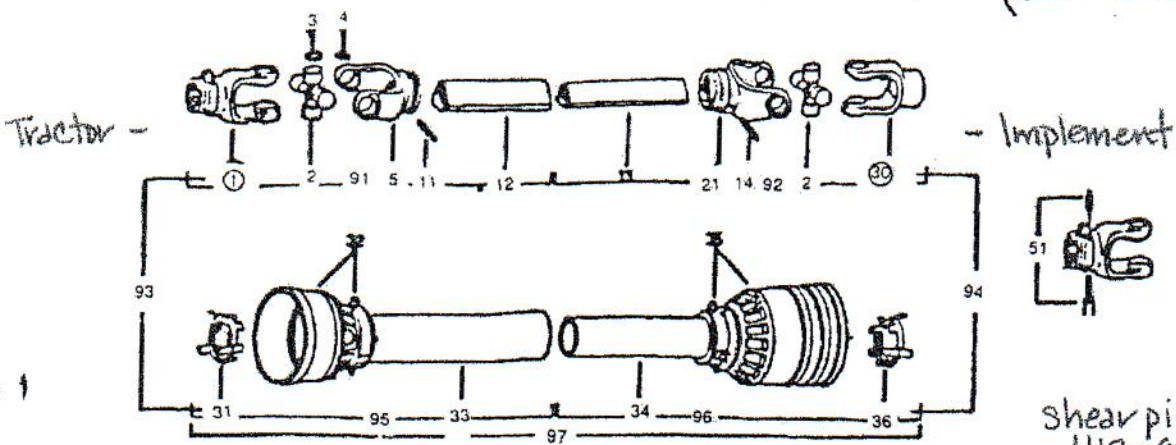
ITEM NO.	PART NO.	QTY.	DESCRIPTION
	401-0007	1	Gearbox
1	501-0023	1	Housing
2	501-0024	1	Spacer
3	501-0021	3	Snap Ring
4	501-0022	1	Output Shaft
5	501-0011	1	Bearing
6	501-0012	1	Input Shaft
7	501-0030	1	Plug
8	501-0014	1	Input Gear
9	501-0016	AR	Gasket
10	501-0015	1	Snap Ring
11	501-0020	1	Seal
12	501-0019	1	Input Cap
13	501-0018	10	Cap Screw
14	501-0017	10	Lochwasher
15	501-0025	3	Bearing
16	501-0026	AR	Gasket
17	501-0028	1	Output Cap
18	501-0027	1322-1267	Seal
19	401-7559	1	Hub
20	401-7471	1	Flat Washer
21	401-7263	1	Hex Nut
22	900-8951	1	Cotter Pin
23	501-0025	1501-0254	Plug - pressure relief plug 1/8" NPT
2b	412-7778	1	Retaining ring

PARTS LIST

4' & 5' SUNSHINE BONDIOLI & PAVESI 35" SHEAR PIN DRIVELINE

ITEM NO.	PART NO.	QTY.	DESCRIPTION
	401-0294	1343-134	Driveline
1	501-0095	1343-1115	Q.D. Yoke
2	501-0278	2 343-1211	Cross Bearing
3	501-0096	8	Circlip
4	501-0007	2 423-1132	Grease Zerk
5	501-0886	1 343-1704	Outer Tube Yoke
11	501-0294	1 341038000	Roll Pin
12	501-0120	1	Outer Tube
13	501-0121	1	Inner Tube
14	501-0294	1 341048000	Roll Pin
21	501-0387	1 343-1304	Inner Tube Yoke
30	501-0103	1 343-1857	Shear Pin Yoke
31	501-0104	1 343-1920	Outer Bearing
32	501-0106	1 343-1947	Outer Cone
33	501-0108	1 343-1939	Outer Tube Shield
34	501-0108	1 343-1943	Inner Tube Shield
35	501-0107	1 343-1950	Inner Cone
36	501-0105	1 343-1956	Inner Bearing
51	501-0293B	1 343-1931	Q.D. Pin Kit
91	501-0131	1	Tractor 1/2 Unshielded
92	501-0132	1	Implement 1/2 Complete
93	501-0112	1	Tractor 1/2 Complete
94	501-0113	1	Implement 1/2 Complete
95	501-0133	1	Tractor 1/2 Shield
96	501-0134	1	Implement 1/2 Shield
97	501-0135	1 083B04120L	Safety Guard Complete

} NLA
(cut to desired length)



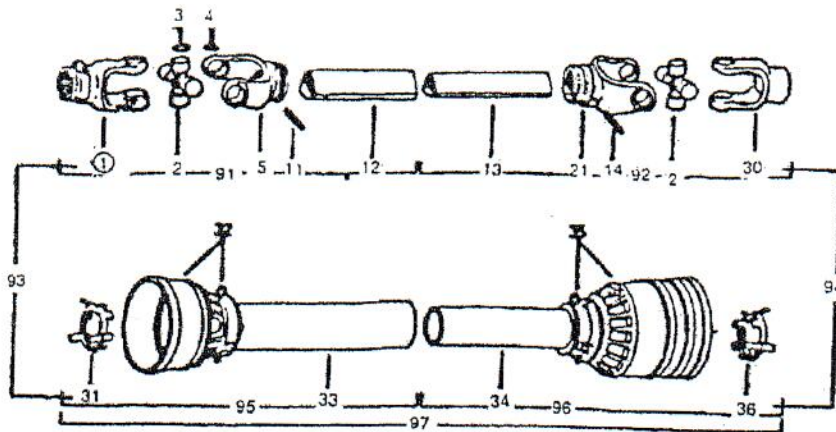
31
 Shear pin 412-0019
 Clutch optional: PTO w/clutch: 401-0307B
 125-801

PARTS LIST

6' SUNSHINE BONDIOLI & PAVESI 47" SHEAR PIN DRIVELINE

ITEM NO.	PART NO.	QTY.	DESCRIPTION
	401-0306-01	1343-135	Driveline
1	501-0095	1 343-1115	Yoke
2	501-0278	2 343-1211	Cross Bearing
3	501-0096	8	Retaining Ring
4	501-0097	2423-1132	Grease Zerk
5	501-0386	1343-1704	Outer Tube Yoke
11	501-0291	1341038000	Roll Pin
12	501-0384	1	Outer Tube
13	501-0385	1	Inner Tube
14	501-0294	1341049000	Roll Pin
21	501-0387	1343-1304	Inner Tube Yoke
30	501-0109	1343-1857	Shear Pin Yoke
31	501-0104	1343-1920	Outer Bearing
32	501-0108	1 343-1947	Outer Cone
33	501-0136	1	Outer Tube Shield
34	501-0137	1	Inner Tube Shield
35	501-0107	1343-1950	Inner Cone
36	501-0105	1343-1956	Inner Bearing
51	501-0293B	1 343-1931	Q.D. Pin Kit
91	501-0123	1	Tractor 1/2 Unshielded
92	501-0124	1	Implement 1/2 Unshielded
93	501-0125	1	Tractor 1/2 Complete
94	501-0126	1	Implement 1/2 Complete
95	501-0127	1	Tractor 1/2 Shield
96	501-0128	1	Implement 1/2 Shield
97	501-0129	1 093804120	Safety Guard Complete

} NLA
(cut to desired length)



clutch optional:
125-801

PTO w/clutch:
401-0306-6B

Shear pin
412. 0019

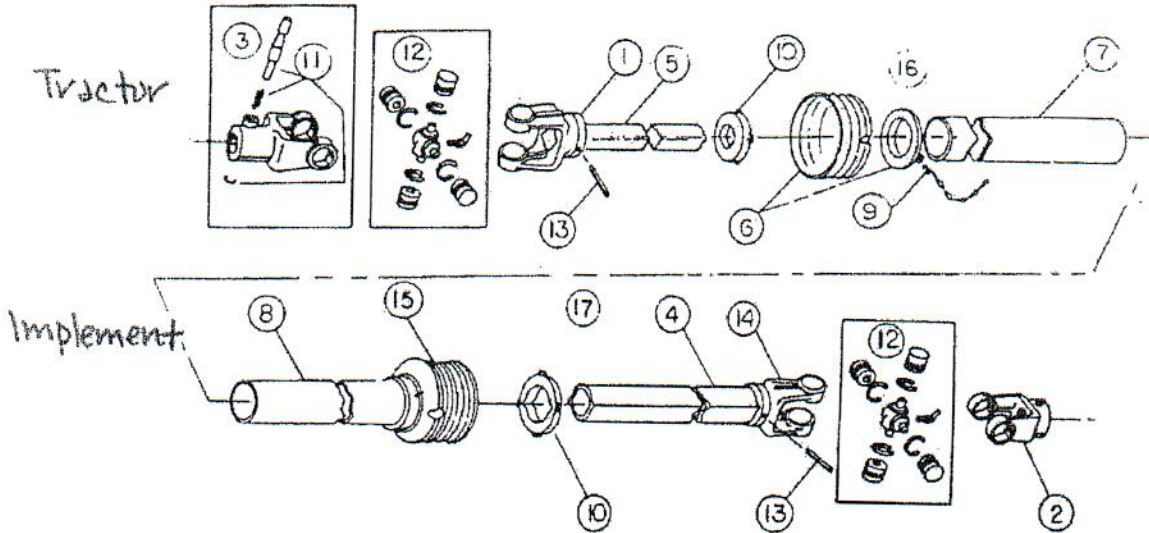
PARTS LIST

4' & 5' SUNSHINE WALTERSCHEID 35" SHEAR PIN DRIVELINE

Replacement PTO
343-134

ITEM NO.	PART NO.	QTY.	DESCRIPTION
	900-10765	1	Driveline
1	343-1310 900-10768	1	Inner Tube Yoke
2	343-1857 900-10779	1	Shear Pin Yoke
3	343-1115 900-10766	1	Q.D. Yoke
4	343-1607 900-10771	1	Outer Tube
5	343-1407 900-10770	1	Inner Tube
6	900-10774	1	Shield Cone
7	900-10776	1	Outer Tube Shield
8	900-10777	1	Inner Tube Shield
9	343-2017 900-10778	1	Safety Chain
10	343-2016 900-10775	2	Bearing
11	900-10798	1	Q.D. Pin Kit
12	343-1211 900-10767	2	Cross Bearing
13	343-1504 900-10769	2	Roll Pin
14	343-1710 900-10772	1	Outer Tube Yoke
15	900-10814	1	Shield Cone
16	900-01746	1	Tractor 1/2 Complete
17	900-10747	1	Implement 1/2 Complete

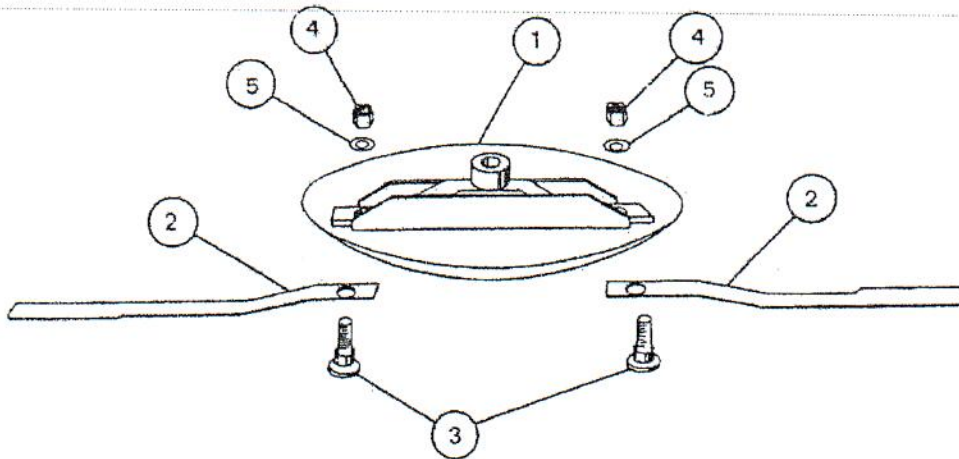
NLA



PARTS LIST

4', 5' & 6' SUNSHINE ROUND BLADE CARRIER

ITEM NO.	PART NO.	QTY.	DESCRIPTION
	101-0172-01	1	Complete Carrier With Blades 4'
	101-0053-01	1	Complete Carrier With Blades 5'
	101-0669-01	1	Complete Carrier With Blades 6'
1	401-5450	1	Welded Carrier 4', 5', 6'
2	401-0174S	2	Blade 4'
2	401-0056S	2	Blade 5'
2	401-0175S	2	Blade 6'
3	412-0057-03	2	Blade Bolt 4' & 5'
3	412-0057-01 2 ¹²⁵⁻⁹⁰⁷		Blade Bolt 6'
4	900-8614-01 2 ¹²⁵⁻⁹²⁵		1 1/8" Jam Nut
5	900-8771	2	1 1/8" Lockwasher
3-4-5	412-8043-03	2	Blade Bolt Kit 4' & 5'
3-4-5	412-8043-01	2	Blade Bolt Kit 6'



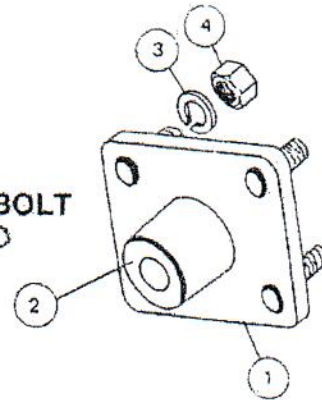
PARTS LIST

4', 5' & 6' SUNSHINE TAILWHEEL HUB

FABRICATED HUB 3/4" DIA. AXLE BOLT

↳ 412-0036

ITEM	PART NO.	QTY.	DESCRIPTION
1	401-3789	1	Hub
2	504-3790	2325-2622	Bushing
3	412-0072	4	1/2" Lockwasher
4	412-2287	4	1/2" Nut NF



FABRICATED HUB 5/8" DIA. AXLE BOLT

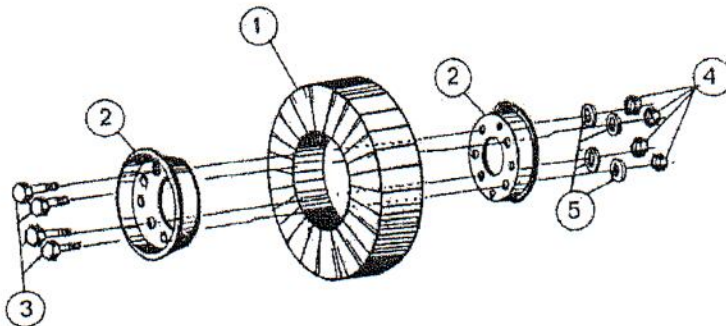
↳ 900-8720

ITEM	PART NO.	QTY.	DESCRIPTION
1	900-1836	1	Hub
2	900-1897	2325-2622	Bushing
3	412-0072	4	1/2" Lockwasher
4	412-2287	4	1/2" Nut NF

Included in hub
Drive in zerk
423-1067
Screw in zerk
423-1073

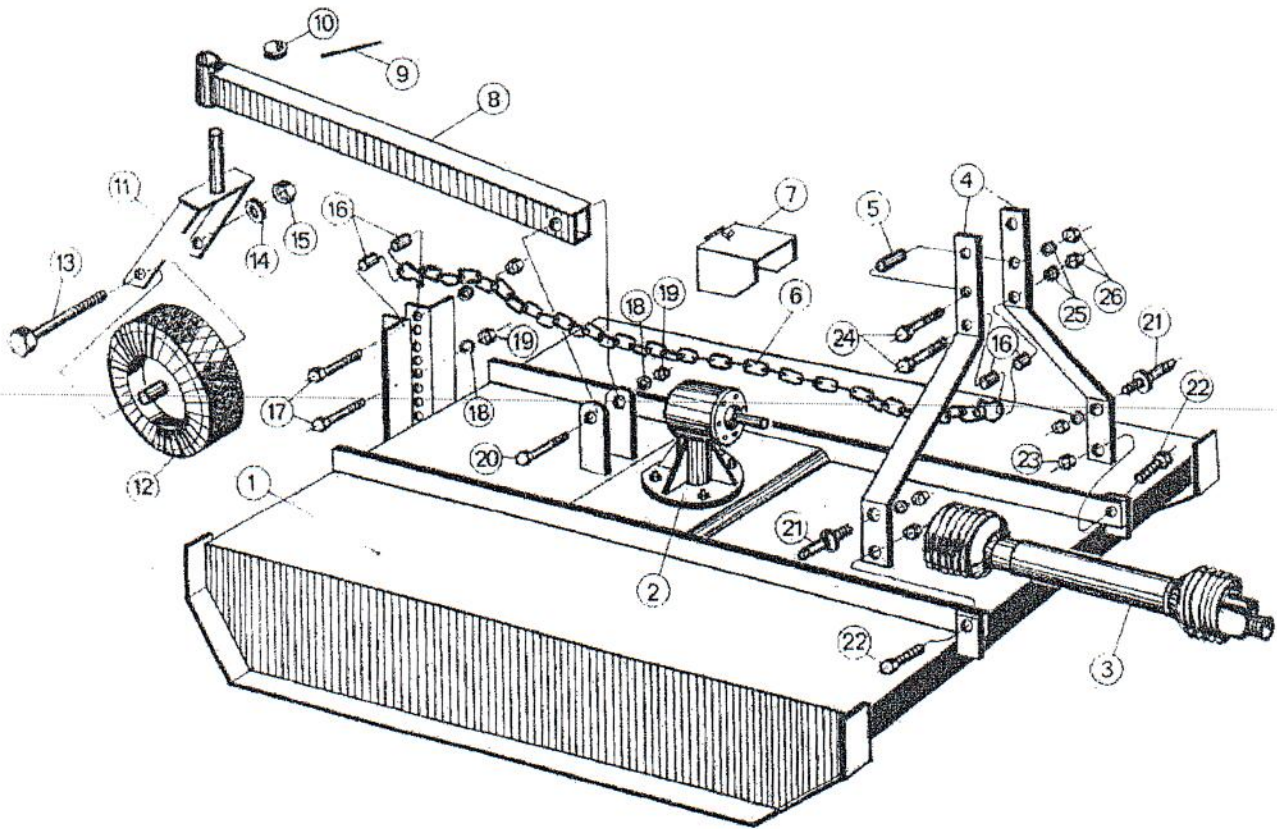
WHEEL DETAIL

ITEM	PART NO.	QTY.	DESCRIPTION
1	401-0048	1	103-209 Laminated Tire & Wheel
2	NLA 900-1499	1	Laminated Tire
3	900-1440	2	Wheel
4	412-0013	4	3/8" x 1" Hex Head Bolt
5	412-0657	4	3/8" Hex Nut
6	412-0071	4	3/8" Lockwasher



PARTS LIST

42" SUNSHINE - SS42 MAIN ASSEMBLY



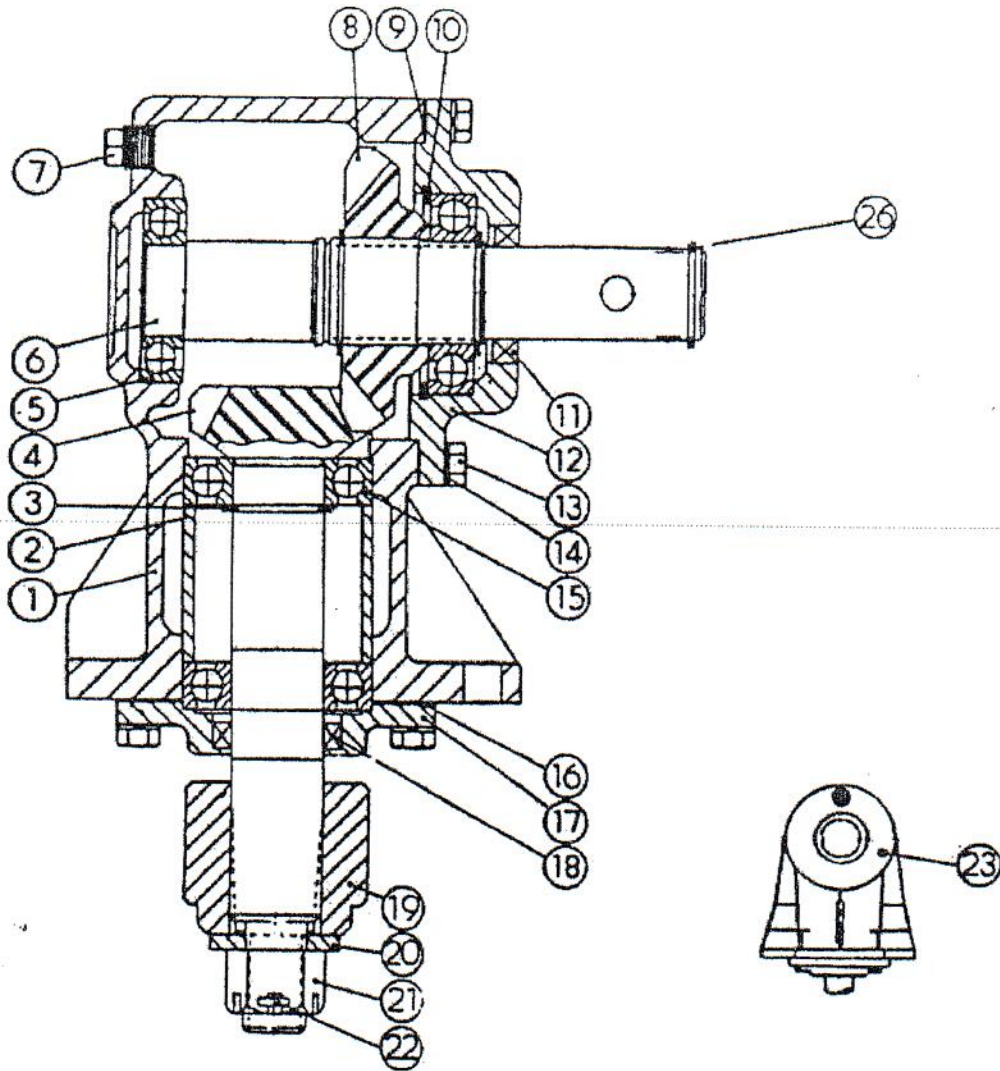
PARTS LIST

42" SUNSHINE - SS42 MAIN ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	102-2885	1 <i>Discontinued</i>	Welded Deck
2	401-0007-01	1	Gearbox
3	401-0294	1 <i>343-134</i>	PTO Complete
4	101-3314	2	Strut Riser
5	412-5404	1	Spacer
6	101-3249	1	Chain Assy.
7	105-1438-01	1 <i>100-0003</i>	Hinged Gearbox Shield
8	105-4009	1	Tailwheel Boom
9	412-0081	1	Cotter Pin
10	101-7552	2	Spacer
11	101-3288	1 <i>116-6487</i>	Tailwheel Yoke -
12	401-0180	1 <i>103-209</i>	Tailwheel
13	412-0036	1	3/4" x 8" Axle Bolt
14	412-0077	1	3/4" Flat Washer
15	412-0060	2	3/4" Nylock Nut
16	412-5401	4	Spacer
17	412-2092	2	1/2" x 3 1/2" HHCS
18	412-0072	3	1/2" Lockwasher
19	412-0058	3	1/2" Nut
20	412-2094	1	1/2" x 4 HHCS
21	412-7770	2 <i>150-10</i>	Cat I Lift Pin
22	412-0031	2	3/4" x 2 1/2" HHCS
23	412-0060	2	3/4" Nylock Nut
24	412-0033	2	3/4" x 4" Bolt
25	412-0074	2	3/4" Lockwasher
26	412-0061	2	3/4" Nut

PARTS LIST

42" SUNSHINE GEARBOX



PARTS LIST

42" SUNSHINE GEARBOX

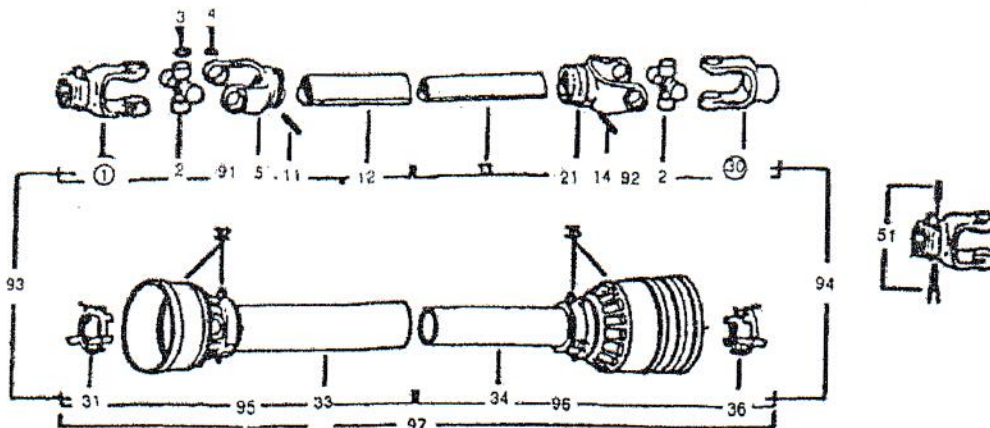
ITEM	PART NO.	QTY.	DESCRIPTION
	401-0007-01	1	Gearbox
1	501-0023	1	Housing
2	501-0024	1	Spacer
3	501-0021	3	Retaining Ring
4	900-1493	1	Output Pinion
5	501-0011	1	Bearing
6	501-0012	1	Input Shaft
7	501-0030	1	Plug
8	900-1489	1	Input Gear
9	501-0016	AR	Input Gasket
10	501-0015	1	Retaining Ring
11	501-0020	1	Seal
12	501-0019	1	Input Cap
13	501-0018	10	Cap Screw
14	501-0017	10	Lockwasher
15	501-0025	3	Bearing
16	501-0026	AR	Gasket
17	501-0028	1	Output Cap
18	501-0027 322-1267	1	Seal
19	401-7559	1	Hub
20	401-7471	1	Flat Washer
21	401-7263	1	Hex Nut
22	900-8951	1	Cotter Pin
23	501-0035 501-0254	1	Plug
26	412-7978	1	Retaining Ring

PARTS LIST

42" SUNSHINE BONDIOLI & PAVESI 35" SHEAR PIN DRIVELINE

ITEM	PART NO.	QTY.	DESCRIPTION
	404-0294	1	343-134 Driveline
1	501-0095	1	343-1115 Q.D. Yoke
2	501-0278	2	343-1211 Cross Bearing
3	501-0096	8	Circlip
4	501-0097	2	423-1132 Grease Zerk
5	501-0386	1	343-1704 Outer Tube Yoke
11	501-0291	1	341038000 Roll Pin
12	501-0120	1	Outer Tuber
13	501-0121	1	Inner Tube
14	501-0294	1	3411048000 Roll Pin
21	501-0387	1	343-1304 Inner Tube Yoke
30	501-0109	1	343-1857 Shear Pin Yoke
31	501-0104	1	343-1920 Outer Bearing
32	501-0106	1	343-1947 Outer Cone
33	501-0108	1	343-1939 Outer Tube Shield
34	501-0109	1	343-1943 Inner Tuber Shield
35	501-0107	1	343-1950 Inner Cone
36	501-0105	1	343-1956 Inner Bearing
51	501-0293B	1	343-1931 Q.D. Pin Kit
91	501-0131	1	Tractor 1/2 Unshielded
92	501-0132	1	Implement 1/2 Unshielded
93	501-0112	1	Tractor 1/2 Complete
94	501-0113	1	Implement 1/2 Complete
95	501-0133	1	Tractor 1/2 Shield
96	501-0134	1	Implement 1/2 Shield
97	501-0135	1	1083B04120L Safety Guard Complete

} NLA
(cut to desired length)

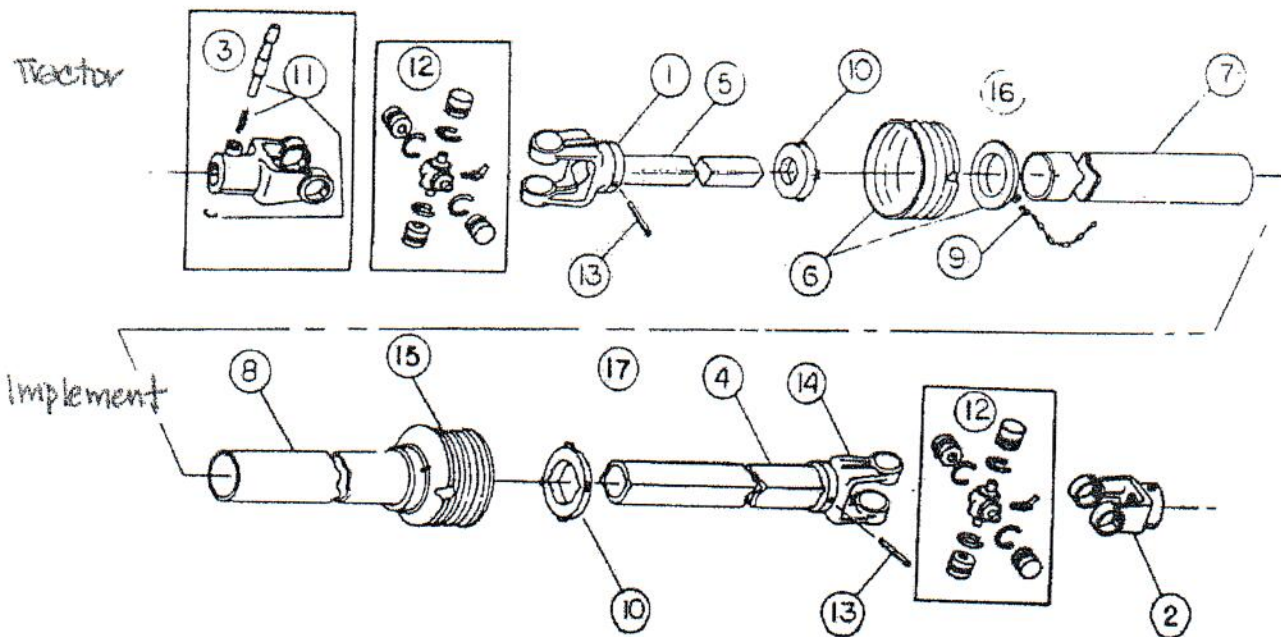


PARTS LIST

42" SUNSHINE WALTERSCHEID 35" SHEAR PIN DRIVELINE

Replacement PTO
343-134

ITEM	PART NO.	QTY.	DESCRIPTION
	900-10765	1	Driveline
1 343-1310	900-10768	1	Inner Tube Yoke
2 343-1857	900-10773	1	Shear Pin Yoke
3 343-1115	900-10766	1	Q.D. Yoke
4 343-1407	900-10774	1	Outer Tube
5 343-1407	900-10770	1	Inner Tube
6	900-10774	1	Shield Cone
7	900-10776	1	Outer Tube Shield
8	900-10777	1	Inner Tube Shield
9 343-2017	900-10778	1	Safety Chain
10 343-2016	900-10775	2	Bearing
11	900-10798	1	Q.D. Pin Kit
12 343-1211	900-10767	2	Cross Bearing
13 343-1504	900-10769	2	Roll Pin
14 343-1710	900-10772	1	Outer Tube Yoke
15	900-10814	1	Shield Cone
16	900-10746	1	Tractor ½ Complete
17	900-10747	1	Implement ½ Complete



PARTS LIST

42" SUNSHINE BLADE CARRIER ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	401-5355	1	Blade Bar
2	401-0153	2	Blade
3	412-0057	2	Blade Bolt
4	412-0067-01	2	Lock Nut
5	412-7975	2	Flat Washer
3-4-5	412-8043	2	Blade Bolt Kit

