



PARTS MANUAL

FORM#: 160-0-4001

REV. 9/1/2023



CLIPPERS 200 & 250

DRY FERTILIZER APPLICATORS

FOR SERIAL NUMBERS 05000 AND LATER

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TUBELESS TIRE & RIM ASSEMBLIES

Clippers 200 & 250

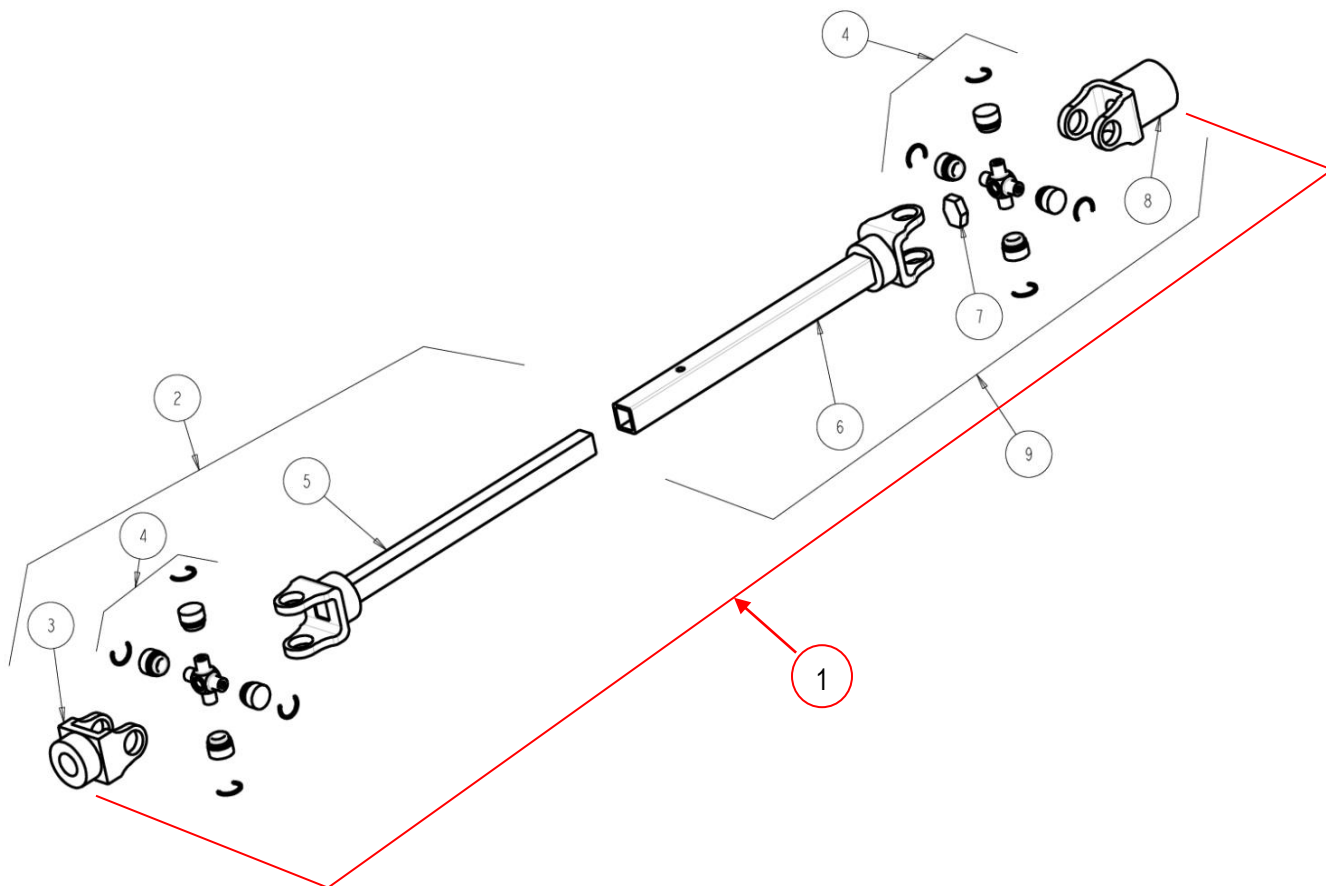


DEMPSTER AG EQUIPMENT WHEEL AND TIRE OPTIONS

DEMPSTERS #	DESCRIPTION	
160-0-4620	12.5L X 15 10 PLY GY I-1 ON 15 X 10 RIM / 6 ON 6 / 1-1/8 OFFSET	
160-0-4627	12.5L X 15 10 PLY TIRE ON 15 X 10 RIM / 8 ON 8 / 1-1/8 OFFSET	
160-0-4692	9.00 X 20 TRACTION TIRE ON 20" X 8" / 6 ON 6 WHEEL (ADJ AXLES)	
160-0-4628	16.5L X 16.1 10-PLY TIRE ON 16.1 X W14C / 6 ON 6 / 1-1/8" OFFSET	
160-0-4693	9.00 X 20 TRACTION TIRE ON 20" X 8" / 8 ON 8 WHEEL (ADJ AXLES)	
160-0-4695	385 X 22.5 USED TIRE ON 22.5 X 11.75 RIM / 8 ON 8 / 1-1/8 OFFSET	
160-0-4696	385 X 22.5 NEW TIRE ON 22.5 X 11.75 RIM / 8 ON 8 / 1-1/8 OFFSET	
160-0-4697	385 X 22.5 USED TIRE ON 22.5 X 11.75 / 6 ON 6 / 1-1/8 OFFSET	
160-0-4698	445 X 65R X 22.5 TIRE ON 22.5 X 13 RIM / 8 ON 8 / 1-1/2" NEG. OFFSET	
160-0-6100	16.5L X 16.1 10 PLY TITAN TIRE ON 16.1-14 RIM / 8 ON 8 / 1-1/8 OFFSET	
160-0-6101	19L X 16.1 10 PLY TITAN TIRE ON 16.1-16 RIM / 8 ON 8 / 1-1/8 OFFSET	
160-1-4632	12.5L X 15 10 PLY GOODYEAR TIRE	
160-1-4672	15 X 10 RIM / 8 ON 8 / 1-1/8 OFFSET (FOR 12.5 TIRE)	
160-1-4803	W11 X 16.1 / 6 ON 6 / 1-1/8 OFFSET	
160-1-4746	16.1 X W14C / 1-1/8" OFFSET / 6 ON 6 BC	
160-1-4841	20" X 8" / 6 ON 6 / IMPLEMENT WHEEL (ADJ AXLES)	
160-1-4842	9.00 X 20-14 PLY TRACTION TIRE (ADJ AXLES, INCLUDES INNERTUBE)	
160-1-4864	20" X 8" / 8 ON 8 / IMPLEMENT WHEEL (ADJ AXLES)	
160-1-4868	16.1 X W14C 1-1/8 OFFSET / 8 ON 8 (WHEEL ONLY)	
160-1-6117	19L X 16.1 10 PLY (TIRE ONLY)	
160-1-6134	16.1 X W16C 1-1/8 OFFSET / 8 ON 8 (WHEEL ONLY)	
160-1-6148	385 X 22.5 USED SUPER SINGLE TRUCK TIRE	
160-1-6149	385 X 22.5 NEW SUPER SINGLE TRUCK TIRE	
160-1-6150	22.5 X 11.75 / 8 ON 8 / RIM ONLY (FOR SUPER SINGLE) 3/8+	
161-1-0252	16.5L X 16.1 10 PLY (TIRE ONLY)	
905-00061	9.00 R 20 RADIAL INNERTUBE #TR443 (FURNISHED WITH TIRE ABOVE)	

TIRE & RIM DESCRIPTION	TIRE & RIM ASSEMBLY	TIRE ONLY	RIM ONLY
12.5L X 15 – 10 PLY TIRE	160-0-4627	160-1-4632	
10 X 15 RIM – 8-BOLT			160-1-4672
16.5L X 16.1 – 10 PLY	160-0-6100	161-1-0252	
16.1 X W14C RIM – 8-BOLT			160-1-4868
19L X 16.1 – 10 PLY TIRE	160-0-6101	160-1-6117	
16.1 X W16C RIM – 8-BOLT			160-1-6134
385 X 22.5 SUPER SINGLE	160-0-4695 (USED TIRE)	160-1-6148 (USED TIRE)	
22.5 X 11.75 RIM – 8-BOLT	160-0-4696 (NEW TIRE)	160-1-6149 (NEW TIRE)	160-1-6150
9.00 X 20 14 PLY TIRE (ROW CROP)	160-0-4693	160-1-4842	
20 X 8 RIM – 8-BOLT			160-1-4864

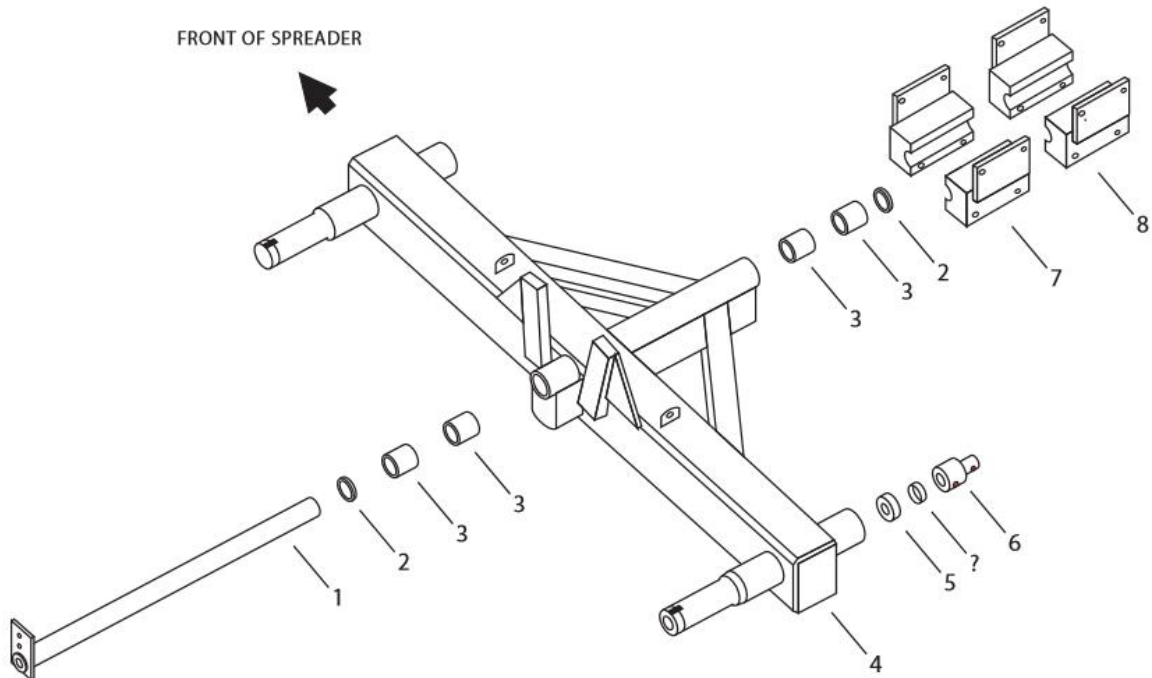
160-2-5213
TELESCOPIC SHAFT ASSEMBLY



ITEM	PART#	QTY	DESCRIPTION
1	160-2-5213	1	COMPLETE TELESCOPIC SHAFT INCLUDES ITEMS #2-9 200, 250 & 250/200 ADJ
	900-00449	2	CAPSCREW, 5/16NC X 2-1/2 GRADE 5 PLATED (FOR INSTALLING SHAFT)
	900-05143	2	NUT, LOCK 5/16NC SS (FOR INSTALLING SHAFT)
2	903-04165	1	SHAFT AND U-JOINT
3	903-04169	1	YOKE TAPPED FOR GREASE ZERK
4	903-04172	2	U-JOINT REPAIR KIT, INCLUDES CROSS, CAPS, RINGS & ZERK
	907-00569	1	ZERK, GREASE 90° 1/8 NPT
5	903-04167	1	SHAFT AND YOKE
6	903-04175	1	TUBE AND YOKE
	907-00001	1	ZERK, GREASE 1/8 NPT
7	160-3-4802	1	TELESCOPIC SHAFT PLUG
8	903-04170	1	YOKE –GEAR BOX END
9	903-04173	1	TUBE AND U-JOINT INCLUDES TIMES #4, 6-8

160-2-6059

**LEFT EQUALIZER W/HUBS
MODEL 250/200 – ADJUSTABLE**

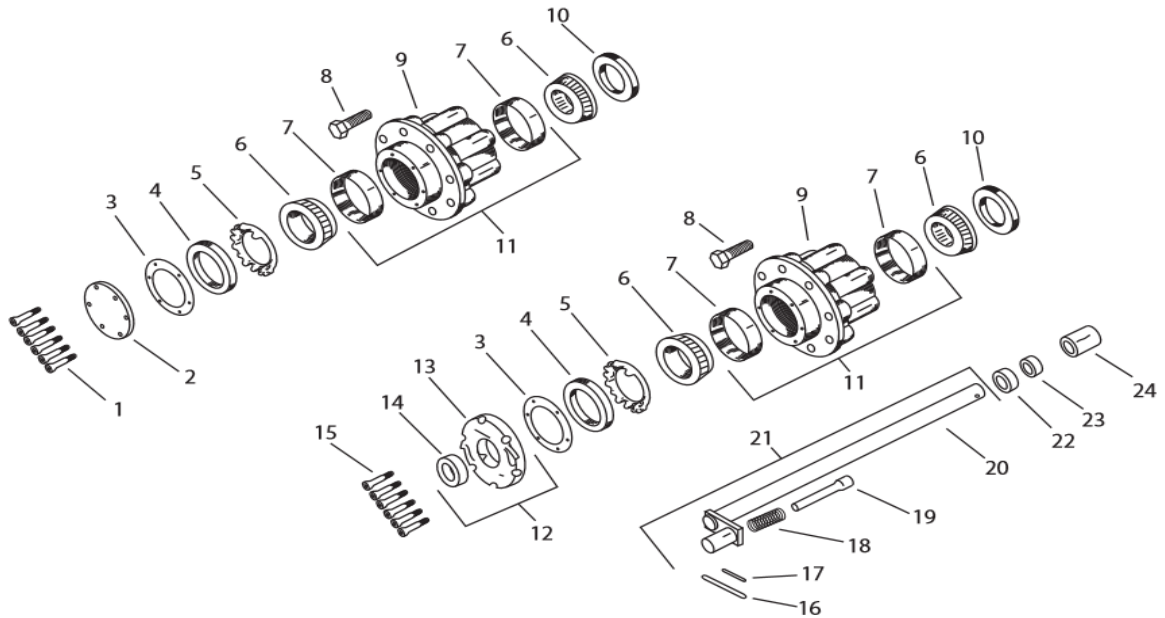


ITEM	PART#	QTY	DESCRIPTION	
1	160-2-5170	1	EQUALIZER PIN – ADJUSTABLE	
2	901-02029	2	SEAL, GREASE 1.500 ID X 1.878 OD X ¼ CR #14810	
3	901-00101	4	BUSHING, OILITE 1.507 ID X 1.880 OD X 2 #S-1801	
4	160-2-6053	1	EQUALIZER, WELDMENT LEFT 250 ADJUSTABLE-2018	
5	901-00122	1	BEARING W/LOCK COLLAR FOR LIVE AXLE 1" BORE	
6	160-2-5159	1	TELESCOPIC SHAFT ADAPTOR	
7	160-2-5164	1	SPACER BLOCK ASSY – 4" ADJUSTABLE – (4) 900-01062 - CAPSCREW, ½" NC X 6 GRADE 8 (4) 900-05261 - NUT, LOCK ½" NC JAM	
8	160-2-5165	1	SPACER BLOCK ASSY – 5" ADJUSTABLE – (4) 900-01062 - CAPSCREW, ½" NC X 6 GRADE 8 (4) 900-05261 - NUT, LOCK ½" NC JAM	

*SHOWN WITHOUT HUBS & ASSOCIATED HARDARE. DOESN'T INCLUDE ITEMS #1, 7, & 8
INCLUDES (1) 907-00569 1/8 NPT 90" GREASE ZERK*

160-2-6059

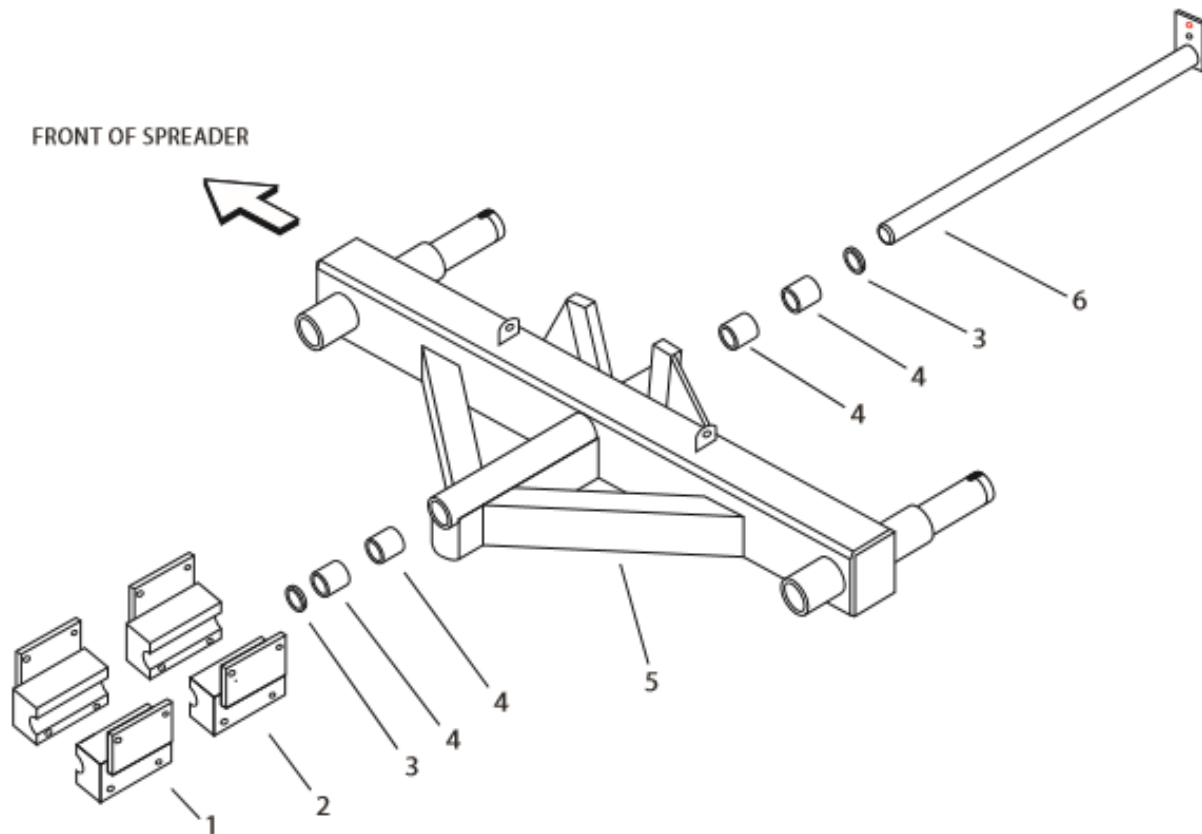
**LEFT EQUALIZER W/HUBS
MODEL 250/200 – ADJUSTABLE AXLE**



ITEM	PART#	QTY	DESCRIPTION	
1	900-00180	6	CAPSCREW ¼" NC X ¾" SKHD PLTD	
2	160-3-8008	1	COVER, HUB	
3	160-3-8009	2	GASKET	
4	901-00143	2	LOCKNUT, BEARING TIMKEN #TN11	
5	901-00144	2	LOCKWASHER, BEARING #TW111	
6	901-00128	4	CONE-TIMKEN BEARING #JM-207049	
7	901-00127	4	CUP-TIMKEN BEARING #JM207010	
8	905-00035	16	WHEEL BOLT 9/16" X 1-1/8" (NOT INCLUDED)	
9	160-3-8162	2	HUB	
10	901-02033	2	SEAL, GREASE CR #25091	
11	160-2-8073	2	HUB & CUPS W/O BRAKES	
12	160-2-8053	1	PLATE, DRIVE W/BEARING RATCHET LT	
13	160-2-8139	1	PLATE, RATCHET DRIVE – LEFT	
14	901-00126	1	BEARING – BALL 1 SEAL ND #Z9R16	
15	900-00606	6	CAPSCREW, ¼" NC X 1 SKTHD NYLOK HT	
16	900-26003	1	ROLLPIN, 3/16" X 2"	
17	900-26021	1	ROLLPIN, 3/16" X 1"	
18	380-3-0206	1	SPRING - #17 WIRE X 7/16" X 1-1/4"	
19	160-3-5176	1	PIN, THROWOUT – 5/8" X 3-5/8"	
20	160-2-6055	1	SHAFT, DRIVE – ASSEMBLY	
21	160-2-6057	1	SHAFT & PIN ASSY – LIVE AXLE	
22	901-00122	1	BEARING 1" ID FAFNIR #RA100NPP	
23	901-00123	1	COMES W/ 901-00122	
24	160-3-5509	1	SPACER (NOT INCLUDED)	

160-2-6060

**RIGHT EQUALIZER W/HUBS
MODEL 200/250 – ADJUSTABLE AXLE**

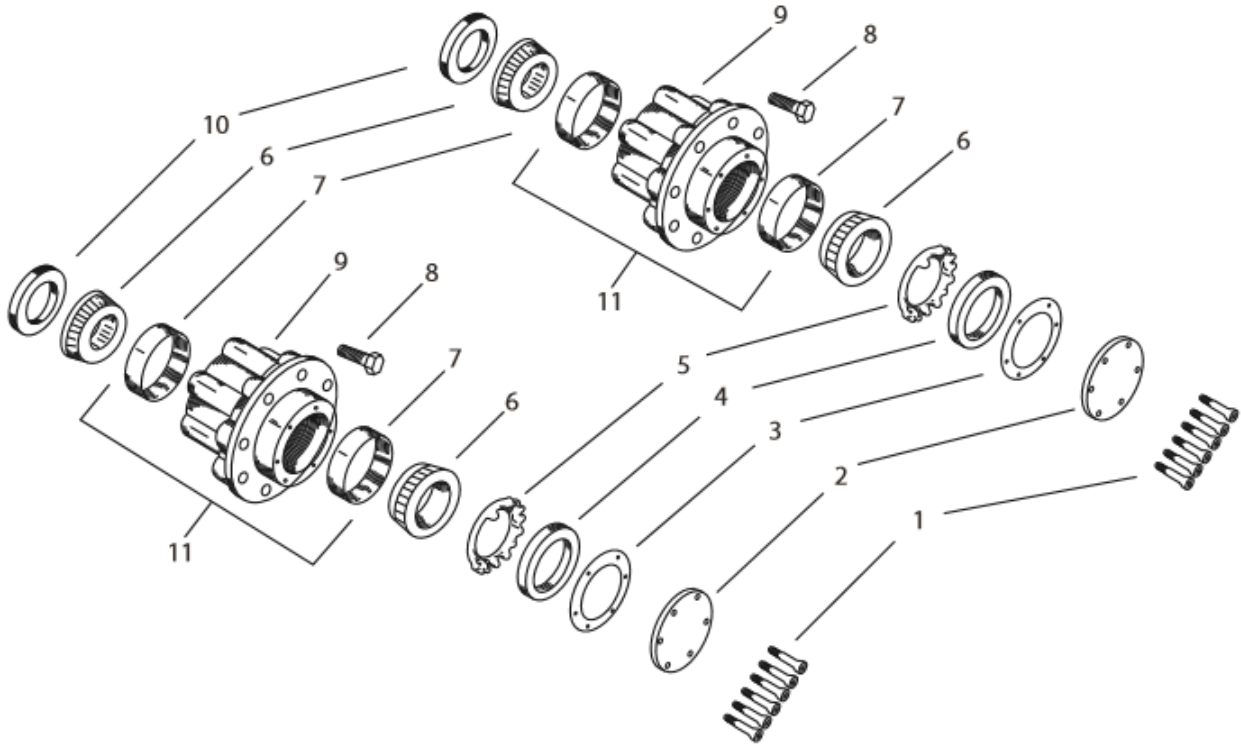


ITEM	PART#	QTY	DESCRIPTION	
1	160-2-5164	1	SPACER BLOCK ASSY – 4" ADJUSTABLE –	
			(4) 900-01062 - CAPSCREW, ½" NC X 6 GRADE 8	
			(4) 900-05261 – NUT, LOCK ½" NC JAM	
2	160-2-5165	1	SPACER BLOCK ASSY – 5" ADJUSTABLE –	
			(4) 900-01062 - CAPSCREW, ½" NC X 6 GRADE 8	
			(4) 900-05261 -NUT, LOCK ½" NC JAM	
3	901-02029	2	SEAL, GREASE 1.500 ID X 1.878 OD X ¼ CR #14810	
4	901-00101	4	BUSHING, OILITE 1.507 ID X 1.880 OD X 2 #S-1801	
5	160-2-6054	1	EQUALIZER, WELDMENT LEFT 250 ADJUSTABLE	
6	160-2-5170	1	EQUALIZER PIN – ADJUSTABLE	

SHOWN WITHOUT HUBS & ASSOCIATED HARDARE. DOESN'T INCLUDE ITEMS #1, 2, & 6
INCLUDES (1) 907-00569 1/8 NPT 90" GREASE ZERK

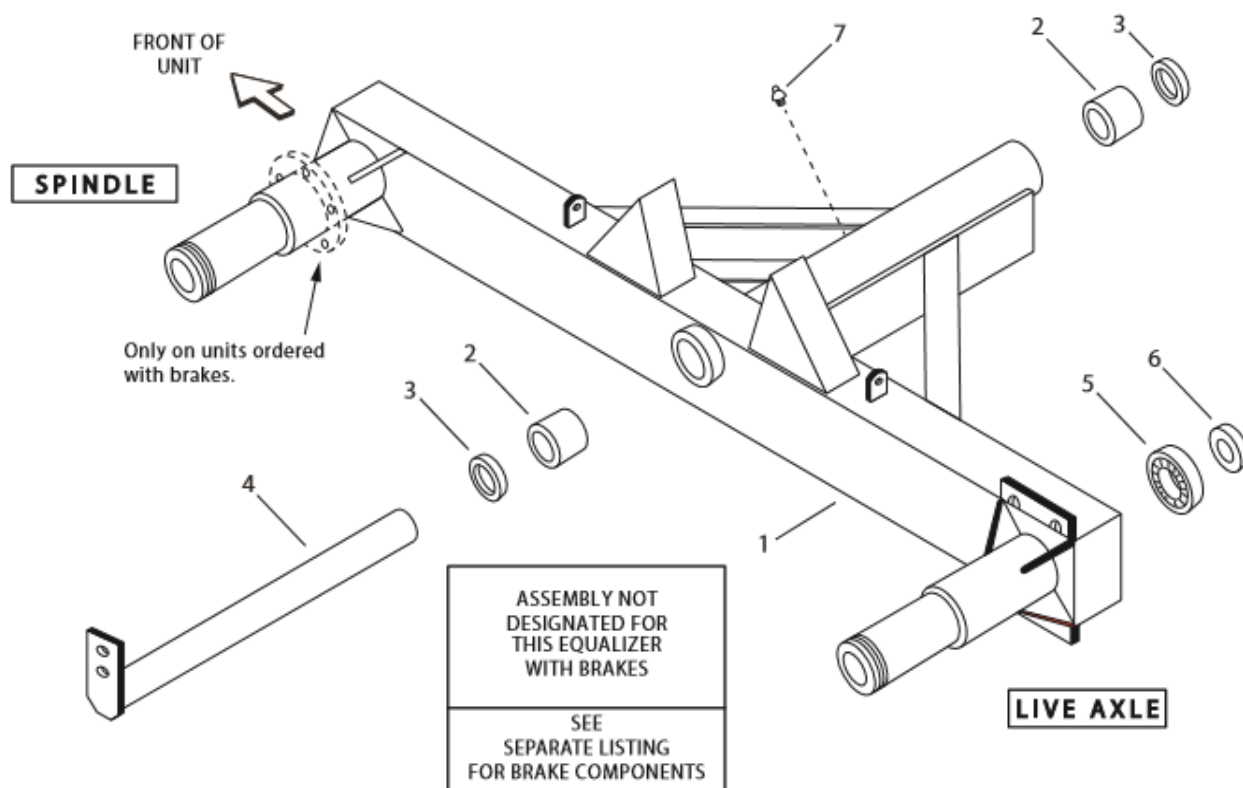
160-2-6060

**RIGHT EQUALIZER W/HUBS
MODEL 250/200 – ADJUSTABLE AXLE**



ITEM	PART#	QTY	DESCRIPTION	
1	900-00180	12	CAPSCREW ¼" NC X ¾ SKHD PLTD	
2	160-3-8008	2	COVER, HUB	
3	160-3-8009	2	GASKET	
4	901-00143	2	LOCKNUT, BEARING TIMKEN #TN11	
5	901-00144	2	LOCKWASHER, BEARING #TW111	
6	901-00128	4	CONE-TIMKEN BEARING #JM-207049	
7	901-00127	4	CUP-TIMKEN BEARING #JM207010	
8	905-00035	16	WHEEL BOLT 9/16" X 1-1/8" (NOT INCLUDED)	
9	160-3-8162	2	HUB	
10	901-02033	2	SEAL, GREASE CR #25091	
11	160-2-8073	2	HUB & CUPS W/O BRAKERS (INCLUDES #7 & 9)	

160-2-6039
LEFT EQUALIZER W/HUBS
H.D. HI - FLOATATION 200

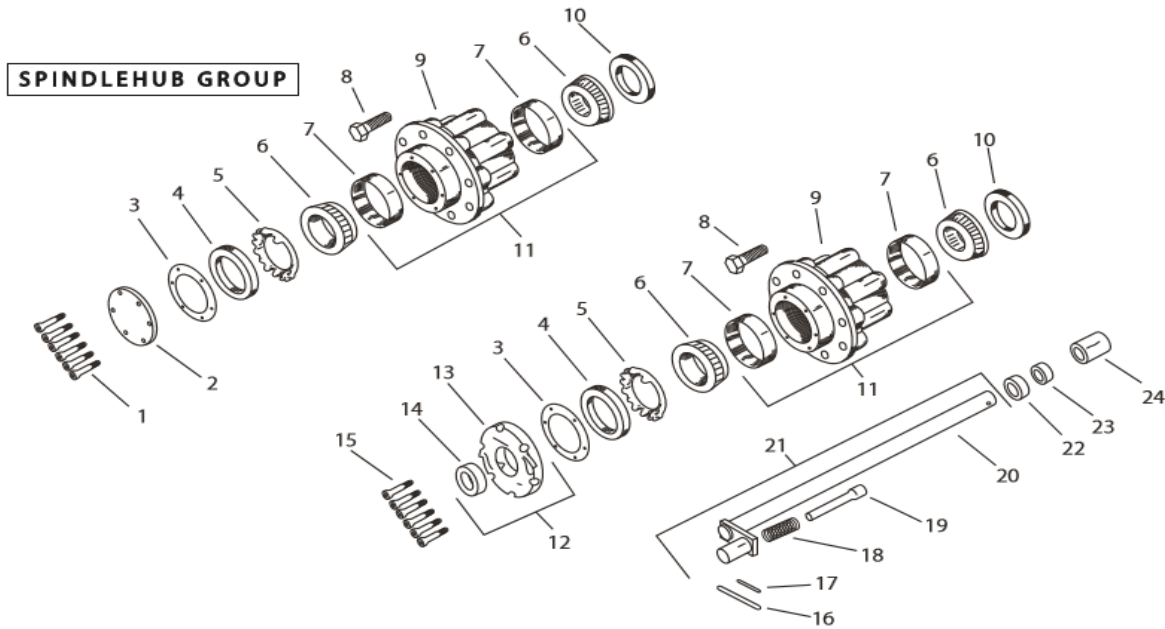


ITEM	PART#	QTY	DESCRIPTION
1	160-2-5185	1	EQUALIZER ASSEMBLY – LEFT
2	901-00101	2	BUSHING – SUP OIL #S-1801 STEEL
3	901-02029	2	SEAL, GREASE CR# 14810
4	160-2-5170	2	EQUALIZER PIN (NOT INCLUDED)
			(1) 900-00130 – 1/2" NC X 1" CAPSCREW – THREADED HOLE
			(1) 900-00050 – 1/2" NC X 2-1/4" CAPSCREW – DRILLED HOLE
			(1) 900-05198 – 1/2" NYLOC NUT
5	901-00122	1	BEARING, 1" I.D. FAFNER #RA100NPP
6	901-00123	1	COMES W/ 901-00122 LOCKING COLLAR
7	907-00569	1	ZERK, 1/8 NPT X 90 DEG (#H1613) STR

--- FOR LIVE AXLE GROUPS, SEE REVERSE SIDE ---

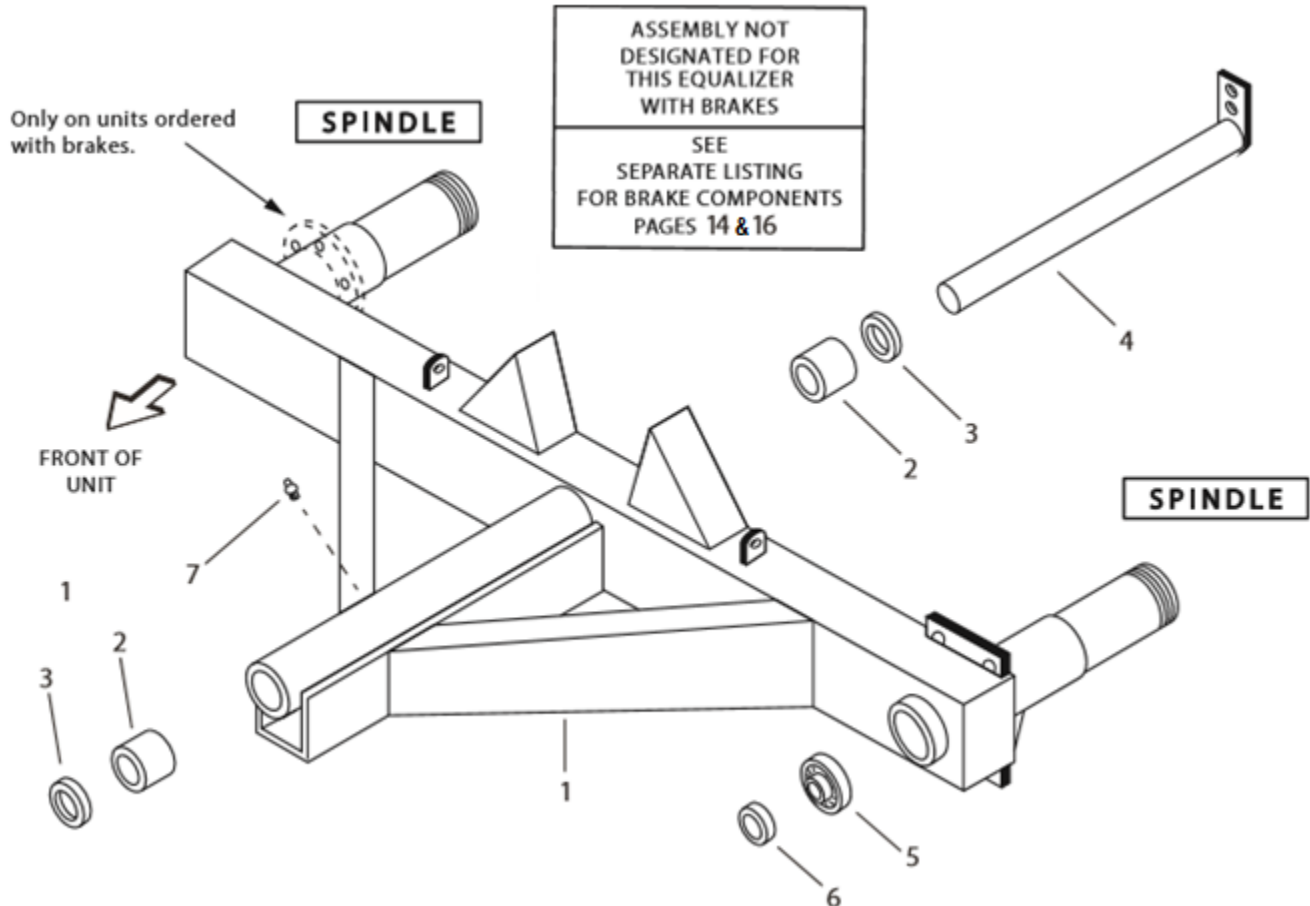
160-2-6039

LEFT EQUALIZER W/HUBS H.D. HI - FLOATATION 200



ITEM	PART#	QTY	DESCRIPTION
1	900-00180	6	CAPSCREW ¼" NC X ¾" SKHD PLTD
2	160-3-8008	1	COVER, HUB
3	160-3-8009	2	GASKET
4	901-00143	2	LOCKNUT, BEARING TIMKEN #TN11
5	901-00144	2	LOCKWASHER, BEARING #TW111
6	901-00128	4	CONE-TIMKEN BEARING #JM-207049
7	901-00127	4	CUP-TIMKEN BEARING #JM207010
8	905-00035	16	WHEEL BOLT 9/16" X 1-1/8" (NOT INCLUDED)
9	160-3-8162	2	HUB
10	901-02033	2	SEAL, GREASE CR #25091
11	160-2-8073	2	HUB & CUPS W/O BRAKES (INCLUDES #7 & 9)
12	160-2-8053	1	PLATE, DRIVE W/BEARING RATCHET LT
13	160-2-8139	1	PLATE, RATCHET DRIVE – LEFT
14	901-00126	1	BEARING – BALL 1 SEAL ND #Z9R16
15	900-00606	6	CAPSCREW, ¼" NC X 1 SKTHD NYLOK HT
16	900-26003	1	ROLLPIN, 3/16" X 2"
17	900-26021	1	ROLLPIN, 3/16" X 1"
18	380-3-0206	1	SPRING - #17 WIRE X 7/16" X 1-1/4"
19	160-3-5176	1	PIN, THROWOUT – 5/8" X 3-5/8"
20	160-2-6055	1	SHAFT, DRIVE – ASSEMBLY
21	160-2-6057	1	SHAFT & PIN ASSY – LIVE AXLE
22	901-00122	1	BEARING 1" ID FAFNIR #RA100NPP
23	901-00123	1	COMES W/ 901-00122
24	160-3-5509	1	SPACER (NOT INCLUDED)

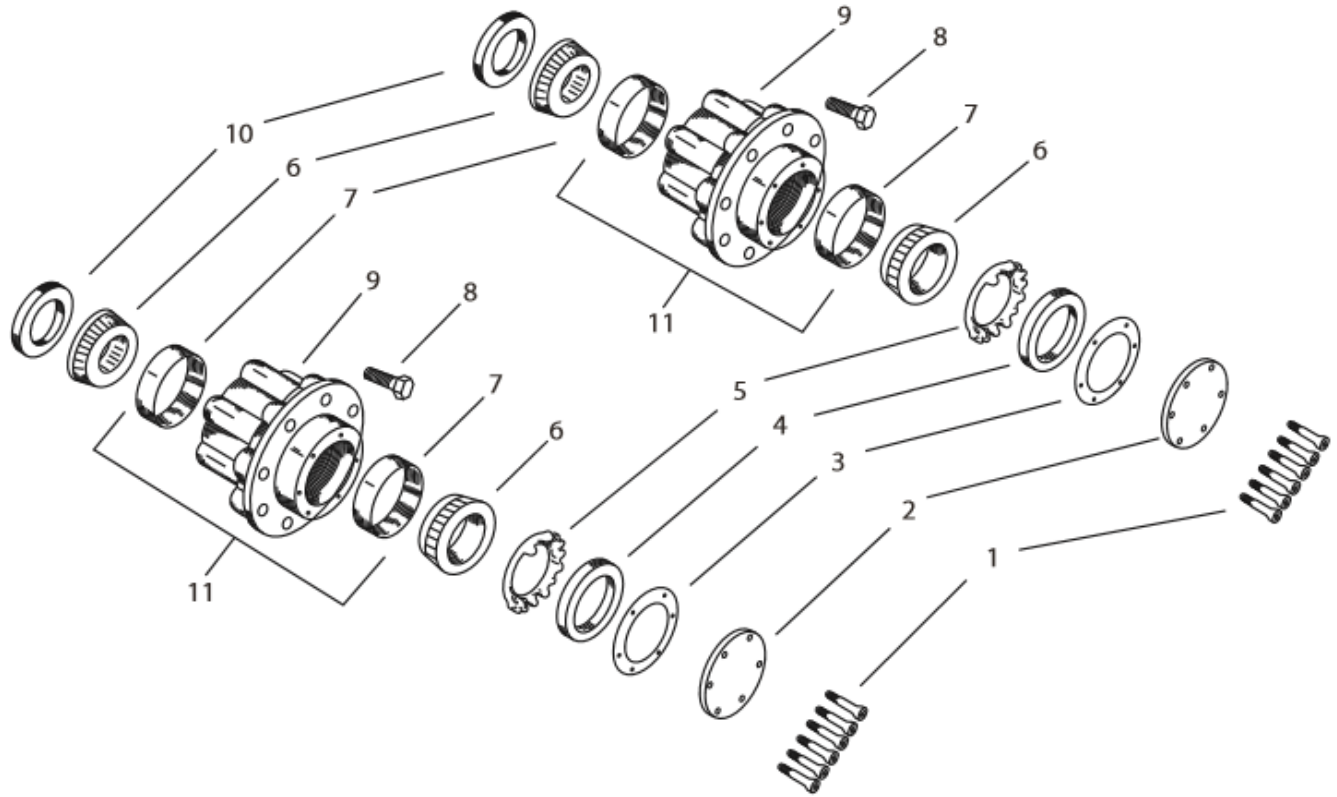
160-2-6040
RIGHT EQUALIZER W/HUBS
H.D. HI - FLOATATION 200



ITEM	PART#	QTY	DESCRIPTION	
1	160-2-5188	1	EQUALIZER ASSEMBLY – RIGHT	
2	901-00101	2	BUSHING – SUP OIL #S-1801 STEEL	
3	901-02029	2	SEAL, GREASE CR# 14810	
4	160-2-5170	2	EQUALIZER PIN (NOT INCLUDED)	
			(1) 900-00130 – 1/2" NC X 1" CAPSCREW – THREADED HOLE	
			(1) 900-00050 – 1/2" NC X 2-1/4" CAPSCREW – DRILLED HOLE	
			(1) 900-05198 – 1/2" NYLOC NUT	
5	901-00122	1	BEARING, 1" I.D. FAFNER #RA100NPP	
6	901-00123	1	COMES W/ 901-00122 LOCKING COLLAR	
7	907-00569	1	ZERK, 1/8 NPT X 90 DEG (#H1613) STR	

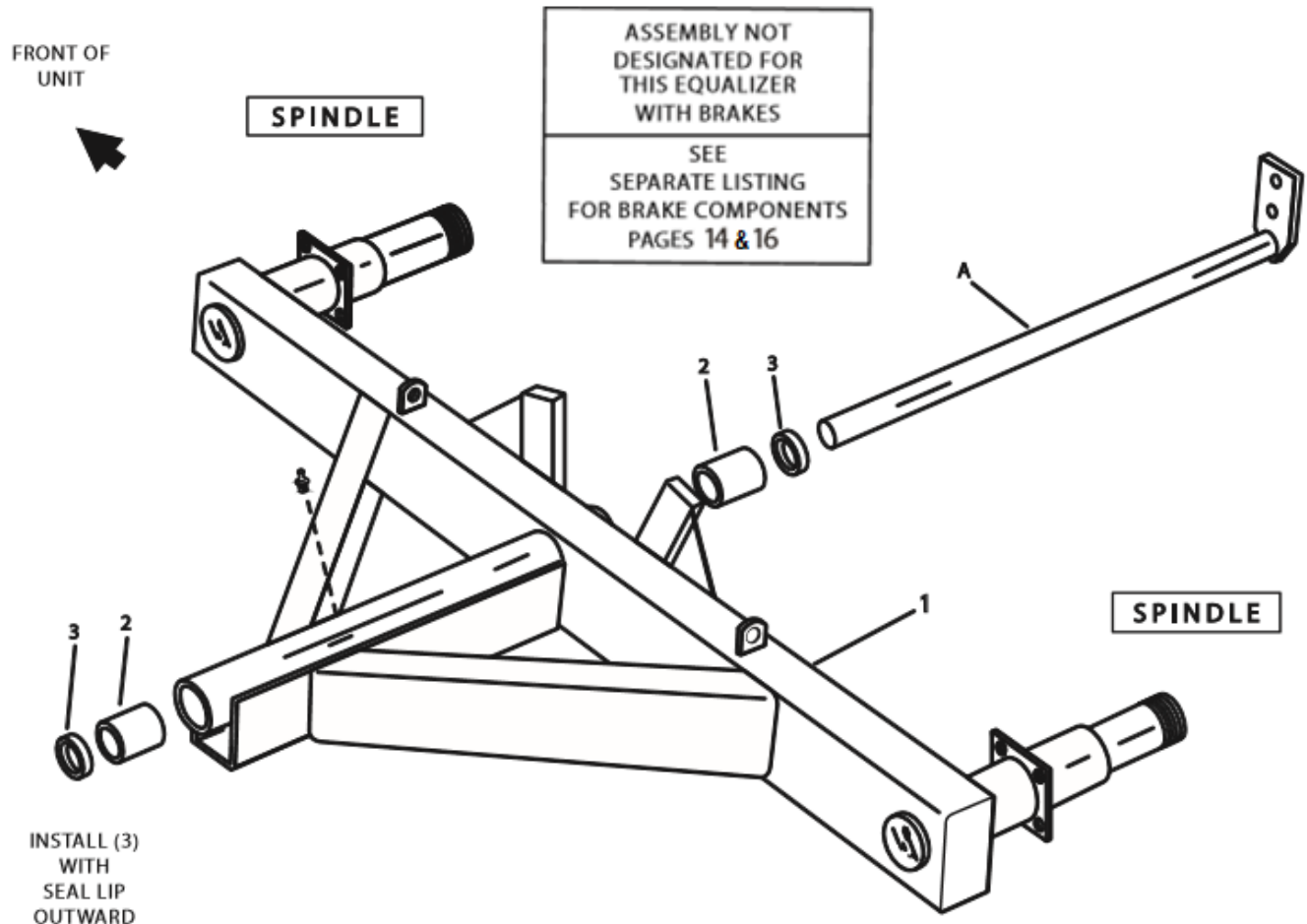
160-2-6040

**RIGHT EQUALIZER W/HUBS
H.D. HI - FLOATATION 200**



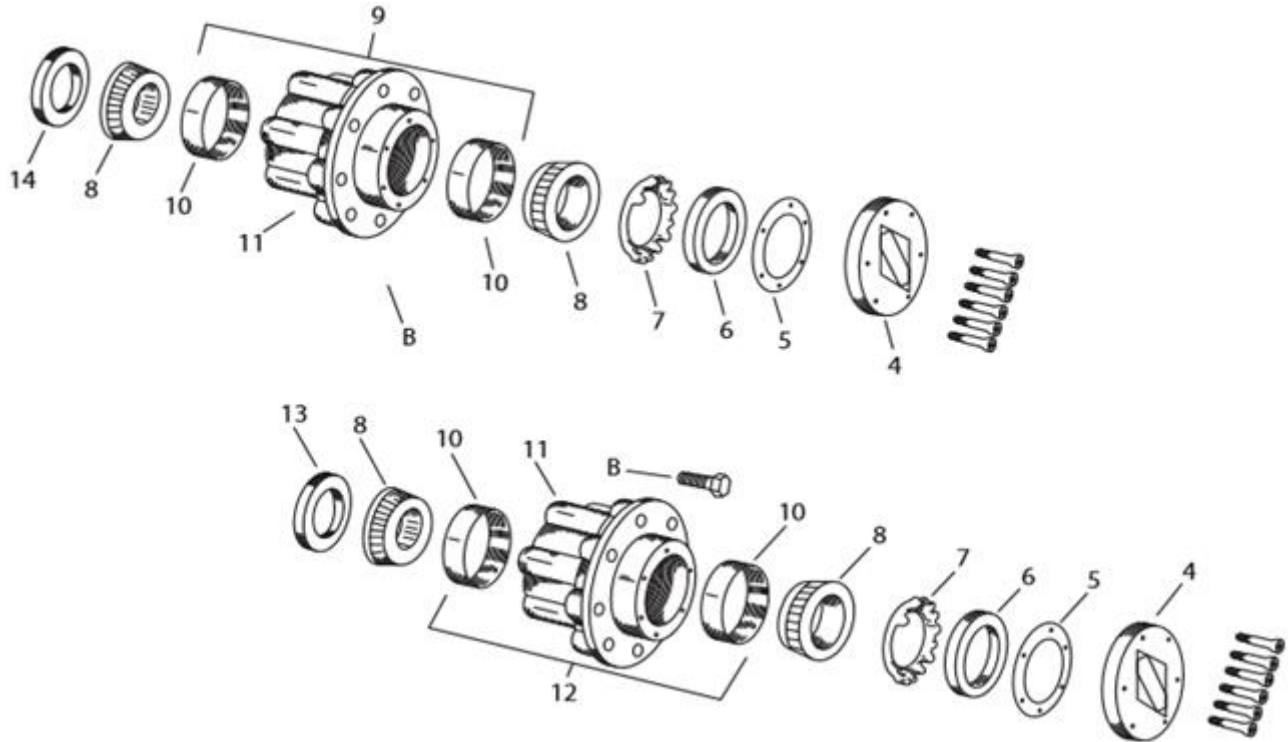
ITEM	PART#	QTY	DESCRIPTION	
1	900-00180	12	CAPSCREW ¼" NC X ¾" SKHD PLTD	
2	160-3-8008	2	COVER, HUB	
3	160-3-8009	2	GASKET	
4	901-00143	2	LOCKNUT, BEARING TIMKEN #TN11	
5	901-00144	2	LOCKWASHER, BEARING #TW111	
6	901-00128	4	CONE-TIMKEN BEARING #JM-207049	
7	901-00127	4	CUP-TIMKEN BEARING #JM207010	
8	905-00035	16	WHEEL BOLT 9/16" X 1-1/8" (NOT INCLUDED)	
9	160-3-8162	2	HUB	
10	901-02033	2	SEAL, GREASE CR #25091	
11	160-2-8073	2	HUB & CUPS W/O BRAKES (INCLUDES #7 & 9)	

160-2-6044
RIGHT EQUALIZER W/HUBS
CLIPPER 250



ITEM	PART#	QTY	DESCRIPTION
1	160-2-6042	1	EQUALIZER ASSEMBLY – RIGHT
2	901-00101	2	OILITE BUSHING – 1.507" ID X 1.880" PD X 2" - #S-1801
3	901-02029	2	GREASE SEAL – 1.500" ID X 1.878" OD X ¼" THICK - #C/R 1480
- - - FOLLOWING COMPONENTS NOT INCLUDED WITH 160-2-6044 REF. ONLY - - -			
A	160-2-5170	2	EQUALIZER PIN – 1-1/2" DIA X 25-1/2" LONG – WITH EAR
		(1)	900-00130 – ½" NC X 1" CAPSCREW – THREADED HOLE
		(2)	900-00050 – ½" NC X 2-1/4" CAPSCREW – DRILLED HOLE
		(3)	900-05198 – ½" NYLOC NUT
--- FOR HUB GROUPS, SEE REVERSE PAGE ---			

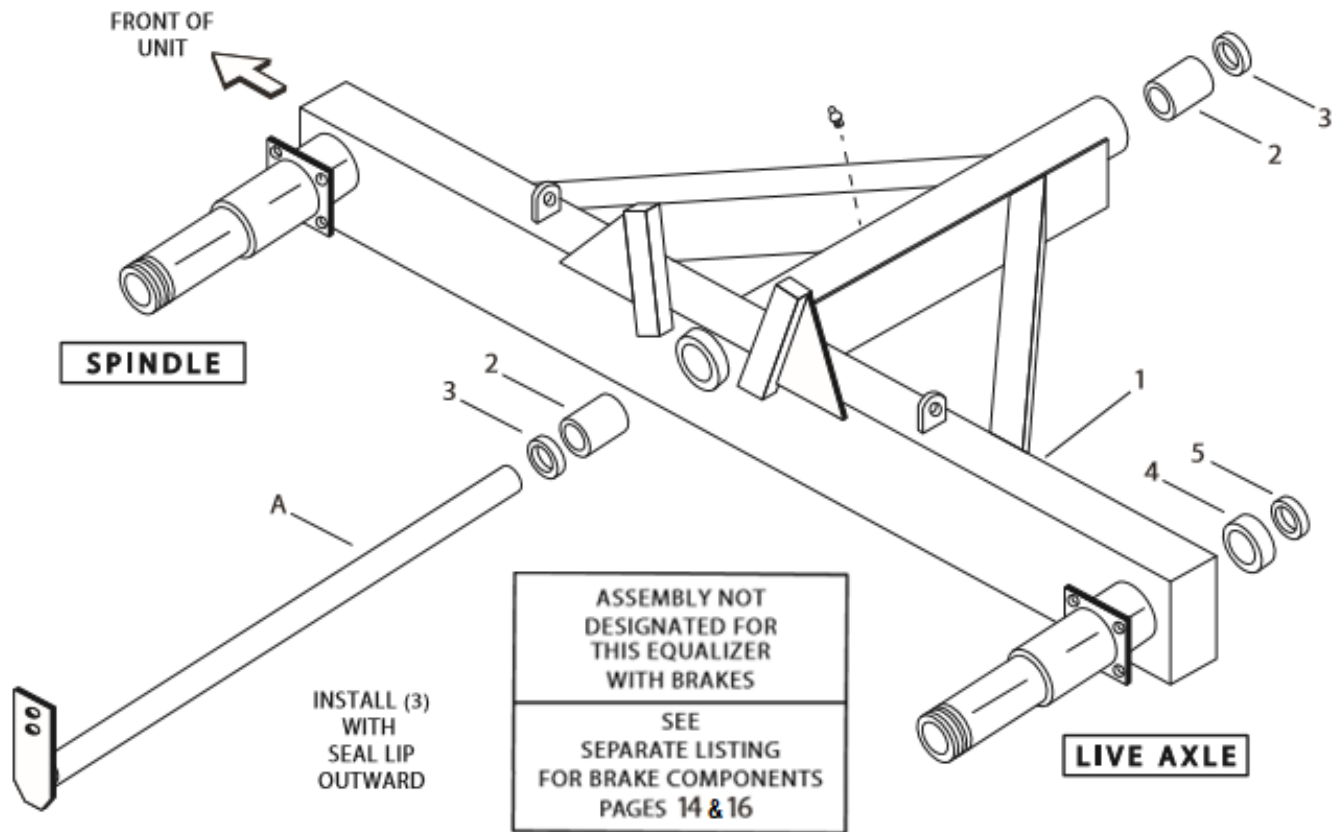
160-2-6044
RIGHT EQUALIZER W/HUBS
CLIPPER 250



ITEM	PART#	QTY	DESCRIPTION
4	160-3-8008	2	HUB COVER – 5-3/4" DIA X 3/8" THICK – DIAMOND EMBOSSED
5	160-3-8009	2	HUB COVER GASKET – 5-3/4" OD X 1/32" – VELLUMOID
6	901-00143	2	BEARING LOCKNUT – TIMKEN #TN-11
7	901-00144	2	LOCKWASHER, BEARING #TW111
8	901-00128	4	BEARING CONE – TIMKEN #JM-207049
9	160-2-8073	1	HUB & CUPS ASSEMBLY – INCLUDES (2) OF 10 & 11
10	901-00127	4	BEARING CUP – TIMKEN #JM-207010
11	160-3-8162	1	WHEEL HUB
12	160-2-8073	1	HUB & CUPS ASSEMBLY – INCLUDES (2) OF 10 & 13
13	901-02033	2	GREASE SEAL – C/R #25091 – 3-3/4" OD X 2-1/2" ID X 7/16"
--- FOR HUB GROUPS, SEE REVERSE PAGE ---			
B	905-00035	16*	WHEEL BOLT – 9/16" NF X 1-1/4"

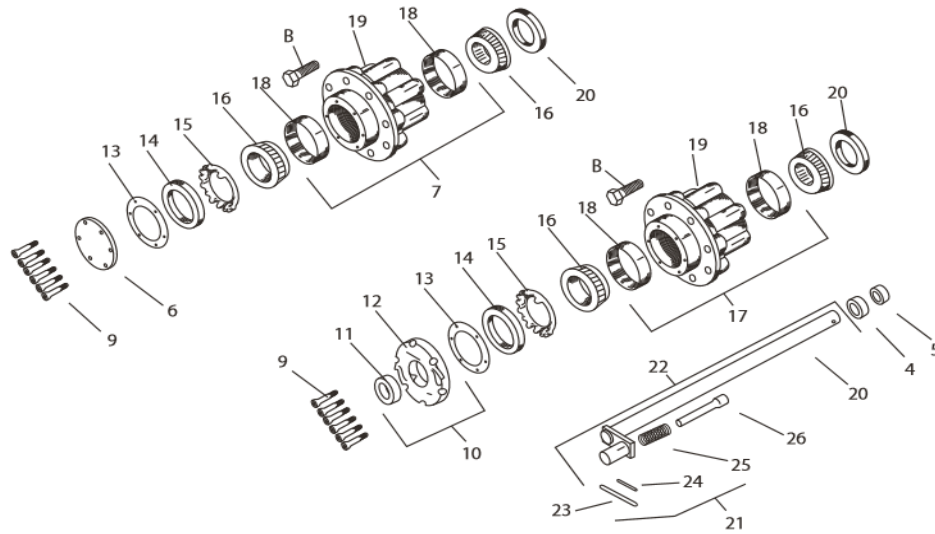
***8 REQUIRED PER HUB – 16 REQUIRED PER EQUALIZER
32 REQUIRED FOR THE FOUR HUBS ON AN APPLICATOR**

160-2-6045
LEFT EQUALIZER W/HUBS
CLIPPER 250



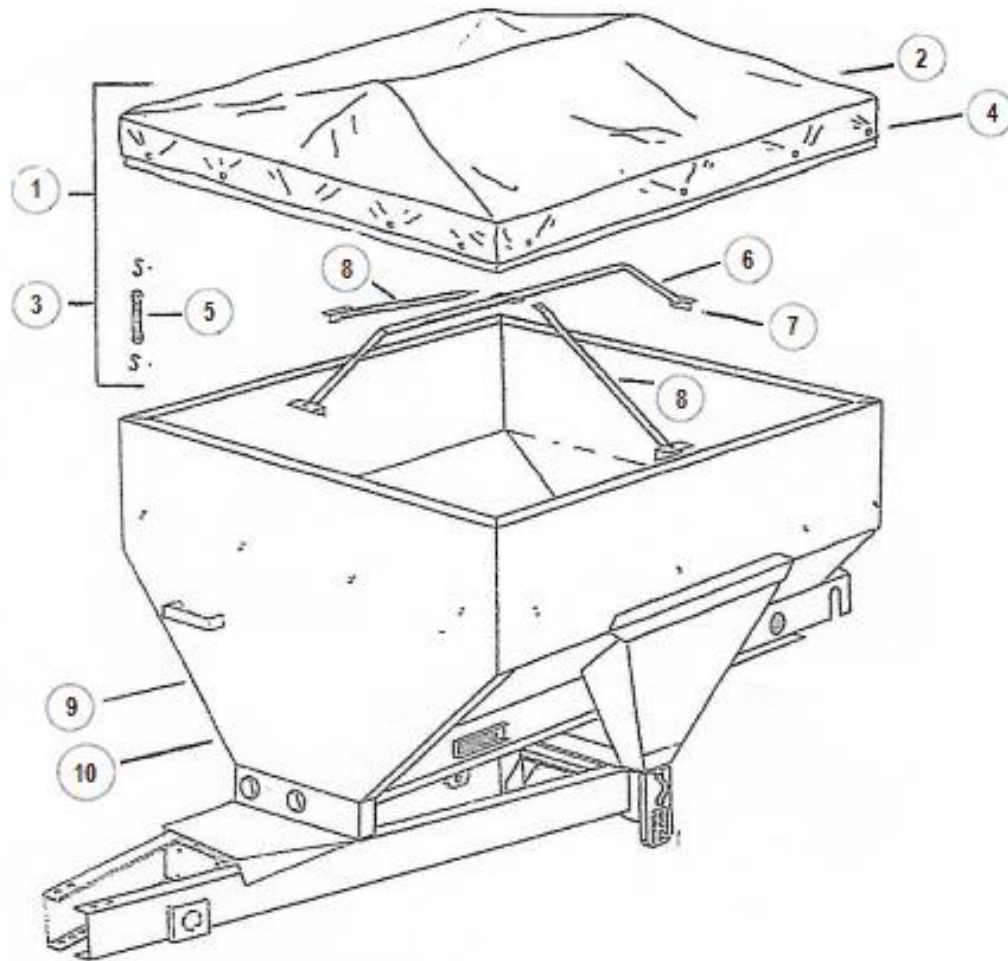
ITEM	PART#	QTY	DESCRIPTION	
1	160-2-6043	1	EQUALIZER ASSEMBLY – LEFT	
2	901-00101	2	OILITE BUSHING – 1.507" ID X 1.880" PD X 2" - #S-1801	
3	901-02029	1	GREASE SEAL – 1.500" ID X 1.878" OD X ¼" THICK - #C/R 1480	
4	901-00122	1	BEARING – LIVE AXLE INNER – 1" BORE – FAFNIR #RA-100NPP	
5	907-00123	1	LOCKING COLLAR – FOR 1" SHAFT – FAFNIT #S1100K – USE W/#4	
- NOT INCLUDED WITH EQUALIZER ASSEMBLY ONLY (1)				-
- - - FOLLOWING COMPONENTS NOT INCLUDED WITH 160-2-6045 - REF. ONLY - - -				
A	160-2-5170	2	EQUALIZER PIN – 1-1/2" DIA X 25-1/2" LONG – WITH EAR	
		(1)	900-00045 – ½" NC X 1" CAPSCREW – THREADED HOLE	
		(1)	900-00050 – ½" NC X 2-1/4" CAPSCREW – DRILLED HOLE	
		(1)	900-05198 – ½" NYLOC NUT (FOR 2-1/4" BOLT)	
- - - FOR LIVE AXLE, HUB & CUP GROUPS, SEE REVERSE SIDE OF SHEET - - -				

160-2-6045
LEFT EQUALIZER W/HUBS
CLIPPER 250



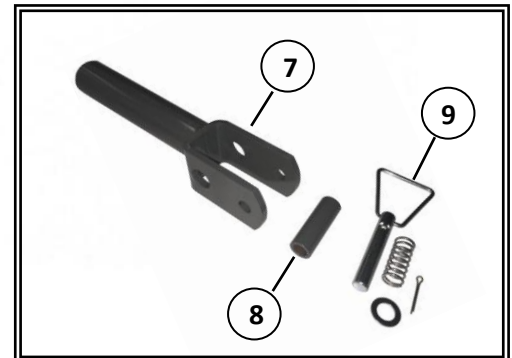
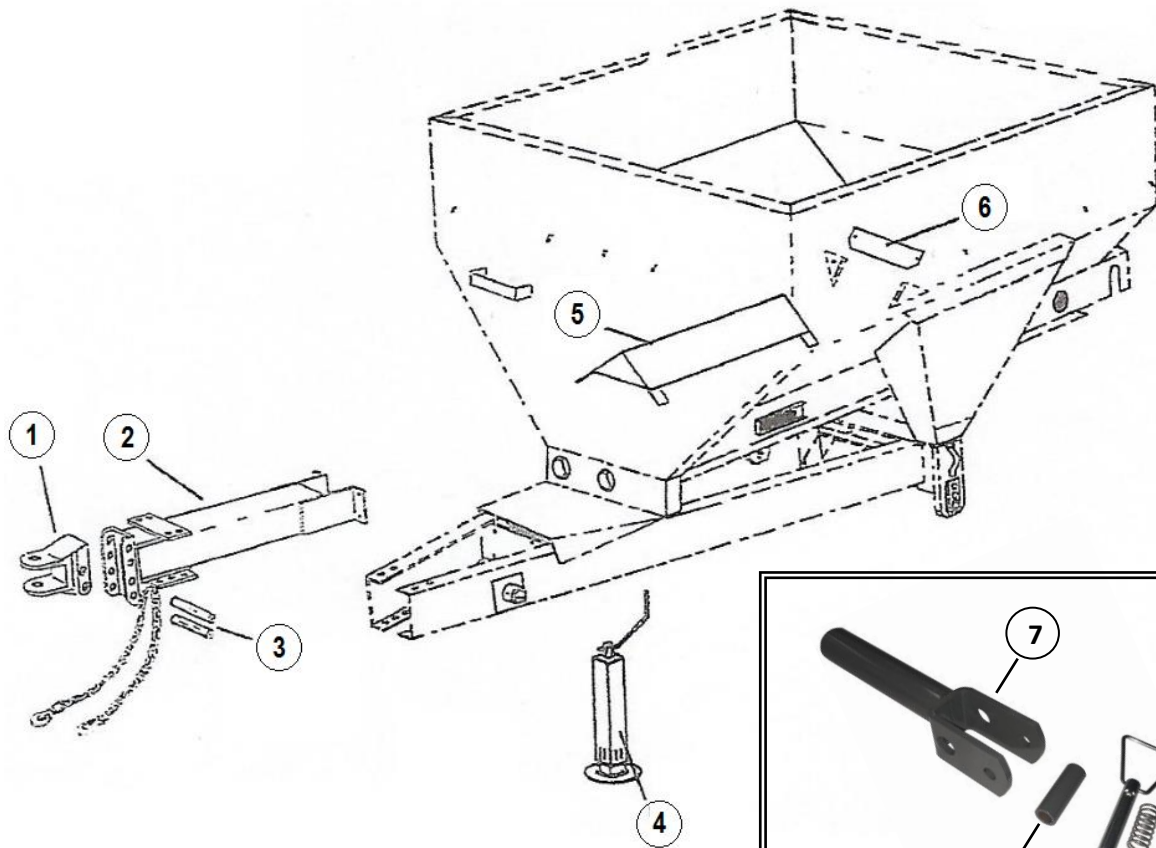
ITEM	PART#	QTY	DESCRIPTION	
6	160-3-8008	1	HUB COVER – 5-3/4" DIA X 3/8" THICK – DIAMOND EMBOSSED	
7	160-2-8073	1	HUB & CUPS ASSEMBLY – INCLUDES ITEMS 18 & 19	
9	900-00606	6	SOCKET HEAD CAPSCREW – ¼" NC X 1" LOCKING – HT	
10	160-2-8053	1	DRIVE PLATE W/BEARING – LEFT ONLY – RATCHING RELEASE	
11	901-00126	1	BEARING – 1" ID X 2" OD X ½" ND#Z9R16 – BALL BEARING	
12	160-3-8139	1	DRIVE PLATE – LEFT ONLY – 5-3/4 OD X 1-3/8" THICK –	
13	160-3-8009	2	GASKET – 5-3/4" OD X 1/32" – VELLUMOID	
14	901-00143	2	BEARING LOCK NUT – TIMKEN #TN-11	
15	901-00144	2	BEARING LOCK WASHER – TIMKEN #TW-111	
16	901-00128	4	BEARING CONE – 2.165" ID – TIMKEN #JM-207049	
17	160-2-8073	1	LIVE AXLE HUB & CUPS – INCLUDES (2) OF 18 & 19	
18	901-00127	4	BEARING CUP – TIMKEN #JM-207010	
19	160-3-8162	2	HUB ONLY W/O BRAKE BOSSES (NOT FOR BRAKES)	
20	901-02033	2	GREASE SEAL – 2-1/2" ID X 3-3/4" OD X 7/16" - C/R #25091	
21	160-2-6057	1	LIVE AXLE SHAFT & PIN ASSEMBLY – INCLUDES ITEMS 22 – 26	
22	160-2-6055	1	DRIVE SHAFT ASSEMBLY; 20-7/8" CLEAR SHAFT – ¼" KEYWAY	
			(1) 907-00005 – ¼ - 28 NF GREASE FITTING - #1792-B	
23	900-26003	1	ROLLPIN – 3/16" X 2" (USED FOR HANDLE)	
24	900-26021	1	ROLLPIN – 3/16" X 1" (RETAINS ASSEMBLY)	
25	380-3-0206	1	SPRING – 7/16" ID X 1-1/4" LONG – COMPRESSION	
26	160-3-5176	1	THROWOUT PIN – 5/8" DIA. X 3-5/8" LONG	
--- FOLLOWING NOT INCLUDED WITH EQUALIZER – REFERENCE ONLY ---				
B	900-00035	16	WHEEL BOLT – 9/16" NC X 1-1/4" (8 USED PER HUB)	

HOPPER GROUP CLIPPERS 200 & 250



ITEM	PART#	QTY	DESCRIPTION	
1	160-1-4848	1	MODEL 200 TARP KIT (INCLUDES ITEMS 2 & 5)	
2	160-1-4607	1	MODEL 200 TARP ONLY	
3	160-4-6145	1	MODEL 250 TARP KIT (INCLUDES ITEMS 4 & 5)	
4	160-1-6110	1	MODEL 250 TARP ONLY	
5	904-07844	14	RUBBER TIE DOWN STRAP – MODEL 200	
		16	RUBBER TIE DOWN STRAP – MEDEL 250	
6	160-2-4611	1	MODEL 200 TARP SUPPORT	
7	160-2-6123	1	MODEL 250 TARP SUPPORT	
8	164-2-4005	2	MODEL 200/250 TARP SUPPORT BRACE	
9	160-2-5192	1	MODEL 200 BOX & FRAME	
10	160-2-6046	1	MODEL 250 BOX & FRAME	
~~ AVAILABLE OPTIONS ~~ (REPLACES ITEMS #1 THROUGH #8) ~~				
	160-1-4847		MODEL 200 AGRI-COVER ROLL TOP TARP W/ S.S. FRAME	
	160-1-4852		MODEL 250 AGRI-COVER ROLL TOP TARP W/ S.S. FRAME	

HOPPER GROUP **CLIPPERS 200 & 250**



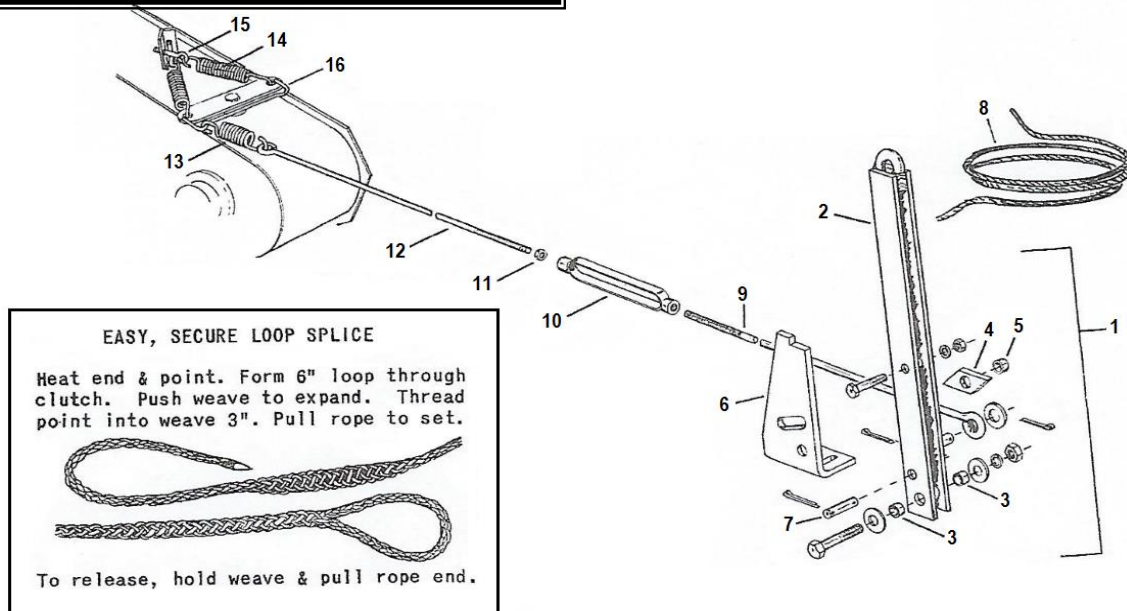
ITEM	PART#	QTY	DESCRIPTION
1	160-2-4838	1	CLEVIS ASSEMBLY
2	160-2-4920	1	HITCH ASSEMBLY
3	900-01091	2	3/4 – 10 X 4-1/2" GR.8 CAPSCREWS
	900-05160	2	3/4 – 10 NYLOC NUT
4	906-10147	1	TONGUE JACK
5	160-2-4986	1	CONVEYOR HOOD
			NUTS AND BOLTS
6	160-3-5566	1	ADJUSTABLE BAFFLE
7	160-2-5072	1	EQUALIZER BLOCK ASSEMBLY 250
8	160-3-5759	1	EQUAL. BLOCK BUSHING (BASIC SPREADER)
	900-00469	1	CAPSCREW 1/2NC X 3 1/4GR HEX HD.
	900-10165	1	FLATWASHER S.S.- 1/2
	900-05178	1	LOCKNUT 1/2 NC –NYLOC S.S.
9	906-10060	1	PLUNGER, PULL RING, SPRING #500178

HYDRAULIC CONVEYOR THROWOUT CLIPPERS 200 & 250



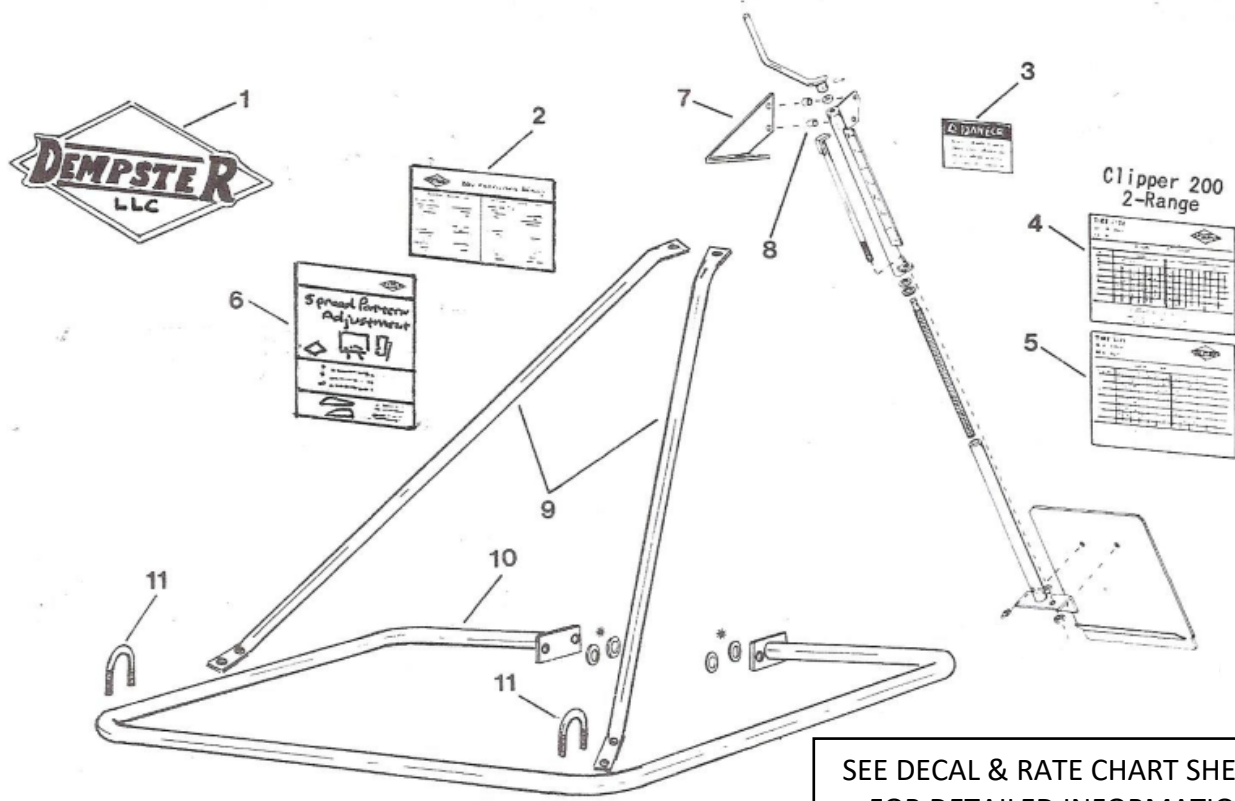
ITEM	PART#	QTY	DESCRIPTION	
1	169-2-0189	2	1/4" X 123" HYDRAULIC HOSE	
2	160-3-5600	2	MOUNTING TAB	
3	900-00628	1	3/8" X 1-1/2" STAINLESS STEEL BOLT	
4	900-05260	3	3/8" STAINLESS STEEL NYLOC NUT	
5	904-06528	2	90° ADAPTER	
6	166-2-0009	1	HYDRAULIC CYLINDER	
7	900-00743	1	1/2" X 1-1/2" STAINLESS STEEL BOLT	
8	900-05198	1	1/2" STAINLESS STEEL NYLOC NUT	
9	160-2-5006	1	CYLINDER ANCHOR	
10	900-00601	2	3/8" X 1" STAINLESS STEEL BOLT	
11	900-10179	2	3/8" STAINLESS STEEL FLATWASHER	
12	900-22053	1	1/8" X 3/4" STAINLESS STEEL COTTER PIN	
13	900-10179	1	3/8" STAINLESS STEEL FLATWASHER	
14	904-07862	2	1/2" QC X 1/2" NPT COUPLER	
15	904-06410	2	1/4" X 1/2" REDUCER BUSHING	
16	160-1-4855		HYDRAULIC THROWOUT KIT 200/250 (INCLUDES ALL ITEMS ON THIS PAGE)	
--	166-2-0010		HYDRAULIC CYLINDER REPAIR KIT	
--	160-1-6157		HYDRAULIC HOSE SUPPORT ASSY HTO	

ROPE PULL CONVEYOR THROWOUT CLIPPERS 200 & 250



ITEM	PART#	QTY	DESCRIPTION
1	160-2-4917	1	GEARBOX THROWOUT ASSEMBLY – INCLUDES ITEMS 2 THRU 7
			(2) 900-00623 – 3/8" NC X 1-1/4" CAPSCREW
			(2) 900-10179 – 3/8" FLATWASHER
			(2) 900-10157 – 3/8" LOCKWASHER
			(2) 900-05014 – 3/8" NC HEX NUT
2	160-2-4662	1	THROWOUT ARM – APPROX. 17" LONG – REQUIRES BUSHINGS (#3)
			(1) 900-00692 – 1/2" NC X 1-3/4" CAPSCREW
			(2) 900-10165 – 1/2" FLATWASHER
			(1) 900-10164 – 1/2" LOCKWASHER
			(1) 900-05250 – 1/2" NC HEX NUT
3	140-3-4081	2	LOWER BUSHING – 1/2" ID X 3/4" OD X 9/32" LONG
4	160-3-4777	1	THROWOUT DOG – 3/8" THICK – REQUIRES BUSHING (#5)
			(1) 900-00628 – 3/8" NC X 1-1/2" CAPSCREW
			(1) 900-10157 – 3/8" LOCKWASHER
			(1) 900-05014 – 3/8" NC HEX NUT
5	160-3-4779	1	UPPER BUSHING – 3/8" ID X 5/8" OD X 7/16" LONG
6	160-3-4778	1	THROWOUT MOUNT – 90° BEND – FOR ALL, EXCEPT GAS ENGINE MODELS
7	160-3-4780	1	THROWOUT STOP PIN – 1/2" DIA. X 1-9/16" LONG
			(2) 900-22008 – 1/8" X 1" COTTER PIN
8	160-3-4790	1	THROWOUT ROPE – 1/4" X 12' – POLYETHYLENE (BULK NO. 903-02029)
9	160-3-5503	1	CONN. ROD – FRONT – 5/16" X 35-7/8" – S.S. – LH THREAD
10	160-2-5194	1	TURNBUCKLE – 5/16" NC - LH & RH THRD. – S.S.
11	900-05269	1	LOCKING NUT FOR TURNBUCKLE – 5/16" NC – S.S.
12	160-3-5975	1	CONN. ROD – REAR – 5/16" X 57-1/2" – S.S. – RH THREAD
13	160-3-4735	1	ENGAGEMENT SPRING – 1-3/8" OD X 4" LONG – S.S.
14	160-3-4734	2	RETURN SPRING – 1-1/4" OD X 5-5/8" LONG – S.S.
15	160-3-5741S	2	EYEBOLT 2-SPEED/304 SS – FOR RETURN SPRINGS
			(2) 900-05014 – 3/8" NC HEX NUT – S.S.
16	160-3-5507	1	SPRING ANCHOR ONLY – TO UPDATE OLDER UNITS
			ITEMS 9 THRU 17 ABOVE MUST BE USED FOR CONVERSION

HOPPER GROUP - REAR CLIPPERS 200 & 250

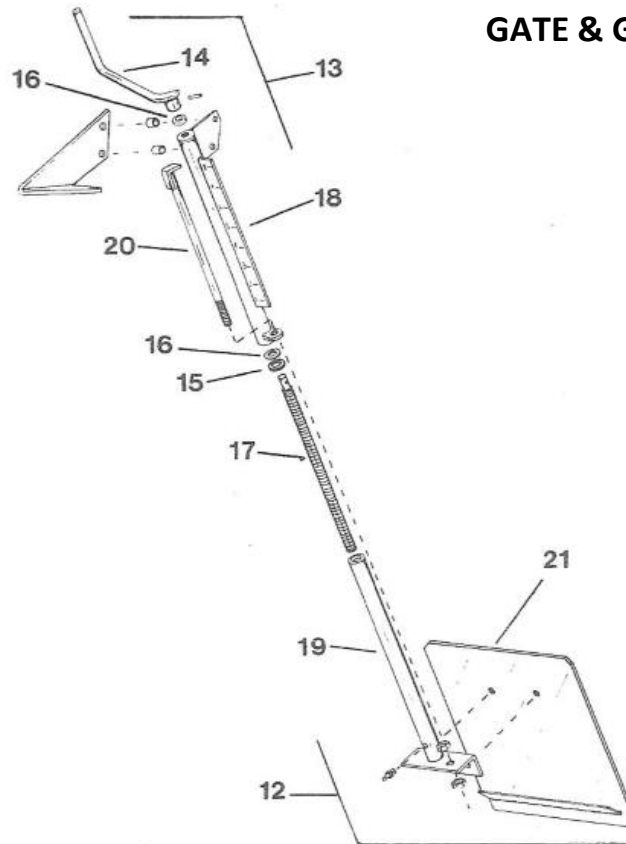


ITEM	PART#	QTY	DESCRIPTION
1	185-3-0321	2	DEMPSTER DIAMOND – 14-1/2" X 7-1/2"
2	185-3-0059	1	OPERATING INSTRUCTIONS DECAL
3	185-3-0048	1	"DANGER" DECAL – SPREADER FAN NOTICE
4	160-3-4751	1	RATE CHART – FOR 11 & 12.5L X 15 TIRES – 2 RANGE
5	160-3-5461	1	RATE CHART – FOR 16.5L & 19I X 16.1 TIRES – 2 RANGE
6	185-3-0130		SPREAD PATTERN ADJUSTMENT DECAL
7	160-3-8153	1	GUARD BRACE SUPPORT
		(3)	900-00628 – 3/8" NC X 1-1/2" CAPSCREW – S.S.
		(3)	900-10157 – 3/8" LOCKWASHER – S.S.
		(3)	900-05014 – 3/8" NC HEX NUT – S.S.
8	160-3-1440	2	BUSHING – 1/4" PIPE X 1/2" LONG
9	160-3-5974	2	GUARD BRACE – 34-3/4" LONG (ATTACHED WITH SUPPORT HDWE)
10	160-2-4915	1	GUARD BAR ASSEMBLY
		(4)	900-00601 – 3/8" NC X 1" CAPSCREW – S.S.
		(4)	900-10179 – 3/8" FLATWASHER (BETWEEN GUARD & HOPPER*)
		(4)	900-10157 – 3/8" LOCKWASHER – S.S.
		(4)	900-05014 – 3/8" NC HEX NUT – S.S.
11	101-3-0139	2	U-BOLT – 1/4" DIA – 2" DEEP
		(2)	900-10169 – 1/4" LOCKWASHER – S.S.
		(2)	900-05113 – 1/4" NC HEX NUT – S.S.

HOPPER GROUP - REAR CLIPPERS 200 & 250



GATE & GATE JACK ASSEMBLY

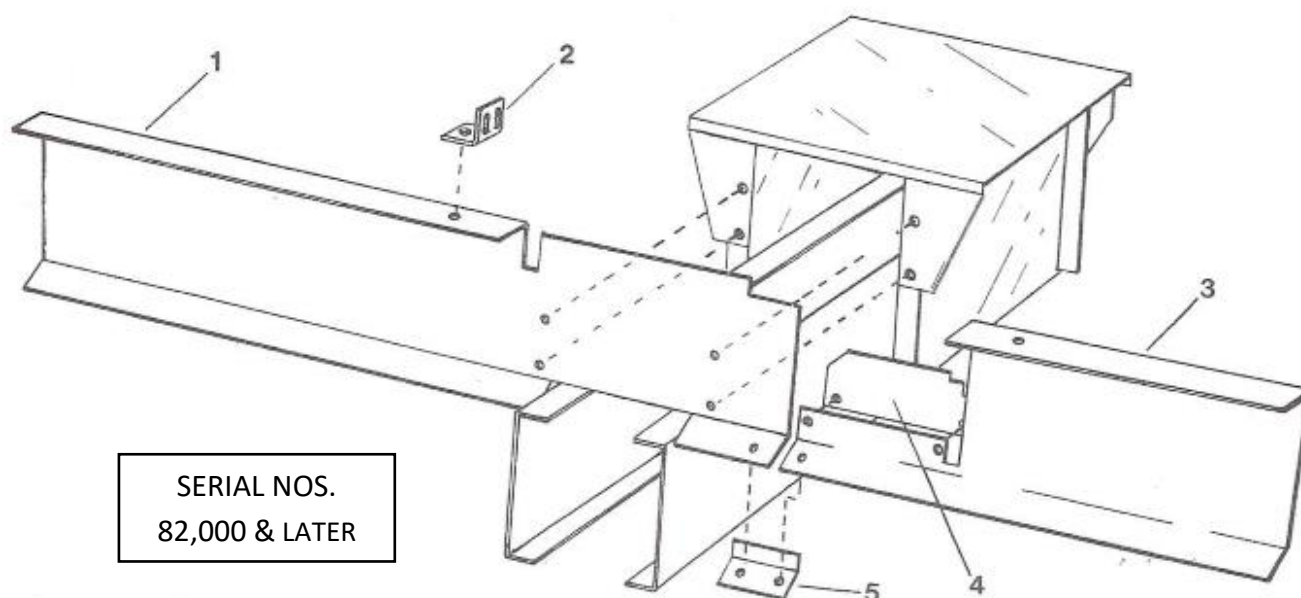


ITEM	PART#	QTY	DESCRIPTION	
12	160-2-4906	1	GATE & GATE JACK ASSEMBLY – INCLUDES ITEMS 14-21	
			(2) 900-01049 – 3/8" NC X 1-3/4" CAPSCREW – S.S.	
			(2) 900-05260 – 3/8" NC NYLOC NUT – S.S.	
			(SAME HARDWARE AS BRACE SUPPORT – ITEM #7)	
13	160-2-4805	1	GATE JACK ASSEMBLY ONLY – INCLUDES ITEMS 14 THRU 19	
14	160-2-4741	1	HANDLE ASSEMBLY	
			(1) 900-26043 – 3.16" X 3/4" ROLLPIN	
15	160-3-4927	1	THRUST WASHER – 3/4" DIA X 1/8" - STEEL	
16	160-3-4928	2	BEARING WASHER – 3/4" X DIA X 3/32" NYLON	
17	160-3-4929	1	JACK SCREW – 5/8" – 8 ACME THREAD – 11-5/8" LONG	
18	160-2-4806	1	UPPER JACK TUBE ASSEMBLY	
19	160-2-4740	1	LOWER JACK TUBE ASSEMBLY	
			(1) 907-00001 – 1/8" NPT GREASE FITTING	
20	160-2-4658	1	POINTER ROD – NOT INCLUDED WITH JACK ASSEMBLY	
			(2) 900-05144 – 3/8" JAM NUT	
21	164-2-4001	1	GATE ASSEMBLY – 9-3/4" X 10-1/8" – S.S.	
			(2) 900-00717 – 1/4" NC X 5/8" FLAT HEAD STOVE BOLT	
			(2) 900-10169 – 1/4" LOCKWASHER-S.S.	
			(2) 900-05113 – 1/4" NC HEX NUT-S.S.	

HOPPER GROUP - REAR CLIPPERS 200 & 250



DEFLECTOR GROUP

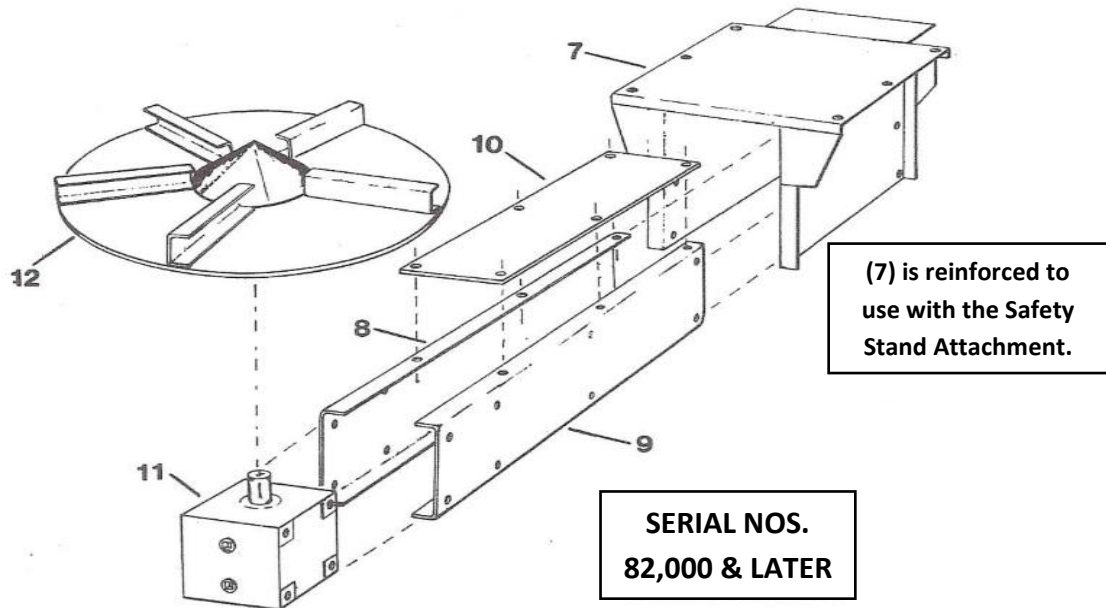


ITEM	PART#	QTY	DESCRIPTION
1	160-3-5375	1	FAN DEFLECTOR – LEFT – 37-5/165" LONG – S.S.
			(5) 900-00623 – 3/8" NC X 1-1/4" CAPSCREW
			(6) 900-10179 – 3/8" FLATWASHER (2 @ ANGLE)
			(5) 900-10157 – 3/8" LOCKWASHER
			(5) 900-05014 – 3/8" NC HEX NUT
2	160-3-4671	1	FAN DEFLECTOR CLIP
			(2) 900-00623 – 3/8" NC X 1-1/4" CAPSCREW
			(2) 900-10179 – 3/8" FLATWASHER
			(2) 900-10157 – 3/8" LOCKWASHER
			(2) 900-05014 – 3/8" NC HEX NUT
3	160-3-5376	1	FAN DEFLECTOR – RIGHT – 22-11/16" LONG – S.S.
			(1) 900-00623 – 3/8" NC X 1-1/4" CAPSCREW
			(2) 900-10179 – 3/8" FLATWASHER
			(1) 900-10157 – 3/8" LOCKWASHER
			(1) 900-05014 – 3/8" NC HEX NUT
4	160-3-4749	1	DEFLECTOR TAB – USED TO CLOSE GAP UNDER GEARCASE
			(2) 900-01069 – 5/16" NC X 3/4" CARRIAGE BOLT
			(2) 900-10168 – 5/16" FLATWASHER
			(2) 900-10114 – 5/16" LOCKWASHER
			(2) 900-05112 – 5/16" NC HEX NUT
5	160-3-5377	1	DEFLECTOR DOUBLER – TO CONNECT RIGHT & LEFT SECTIONS
			(2) 900-01044 – 1/4" NC X 3/4" CARRIAGE BOLT
			(2) 900-10169 – 1/4" LOCK WASHER
			(2) 900-05113 – 1/4" NC HEX NUT

HOPPER GROUP - REAR CLIPPERS 200 & 250

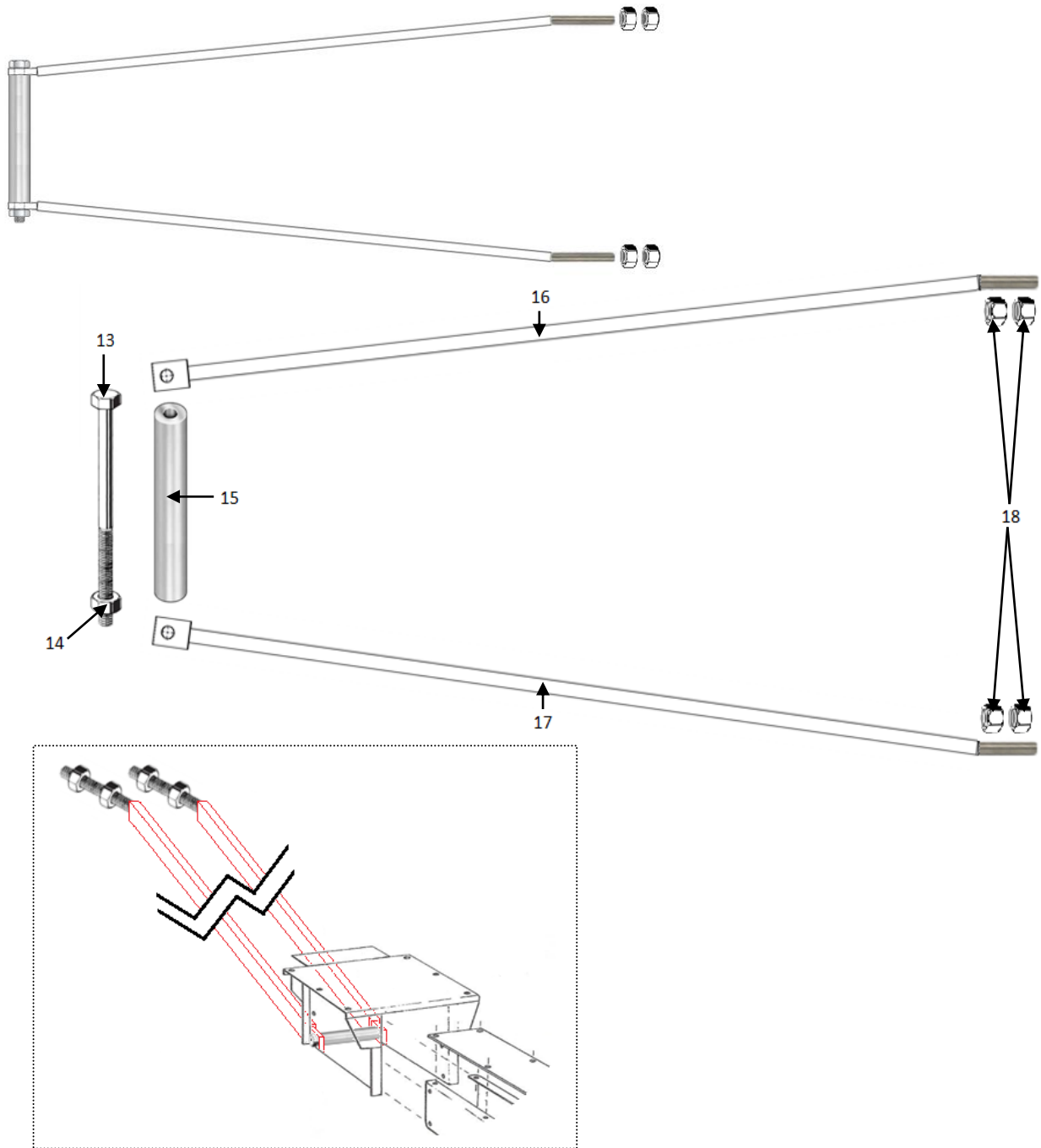


FAN SUPPORT ASSEMBLY



ITEM	PART#	QTY	DESCRIPTION	
7	160-2-4610S	1	FAN SUPPORT ASSEMBLY – ATTACHED TO HOPPER	
			(6) 900-00743 – 1/2" NC X 1-1/2" CAPSCREW	
			(6) 900-10164 – 1/2" LOCKWASHER	
			(6) 900-05150 – 1/2" NC HEX NUT	
8	160-3-4644	1	FAN SUPPORT – LEFT HORIZONTAL MEMBER – S.S.	
			(4) 900-00601 – 3/8" NC X 1" CAPSCREW	
			(4) 900-10157 – 3/8" LOCKWASHER	
			(4) 900-05014 – 3/8" NC HEX NUT	
9	160-3-4645	1	FAN SUPPORT – RIGHT HORIZONTAL MEMBER – S.S.	
			(HARDWARE SAME AS ITEMS #8)	
10	160-3-4646	1	FAN SUPPORT COVER – ATTACHED TO TOP OF SUPPORTS	
			(6) 900-00601 – 3/8" NC X 1" CAPSCREW	
			(6) 900-10179 – 3/8" FLATWASHER	
			(6) 900-10157 – 3/8" LOCKWASHER	
			(6) 900-05014 – 3/8" NC HEX NUT	
11	160-2-4760	1	FAN GEARBOX	
			(6) 900-00621 – 7/16" NC X 3/4" CAPSCREW – S.S.	
			(6) 900-10028 – 7/16" LOCKWASHER	
-- SEE SEPARATE LISTING FOR APPROPRIATE SPREADER FAN & CHUTES --				
12	160-2-4995S	1	HYD. DRIVE – FAN AND VANE ASS'Y (INCLUDES CONE)	
	160-2-4974S	1	PTO DRIVE – FAN AND VANE ASS'Y (INCLUDES CONE)	

HOPPER GROUP - REAR FAN SUPPORT BRACES

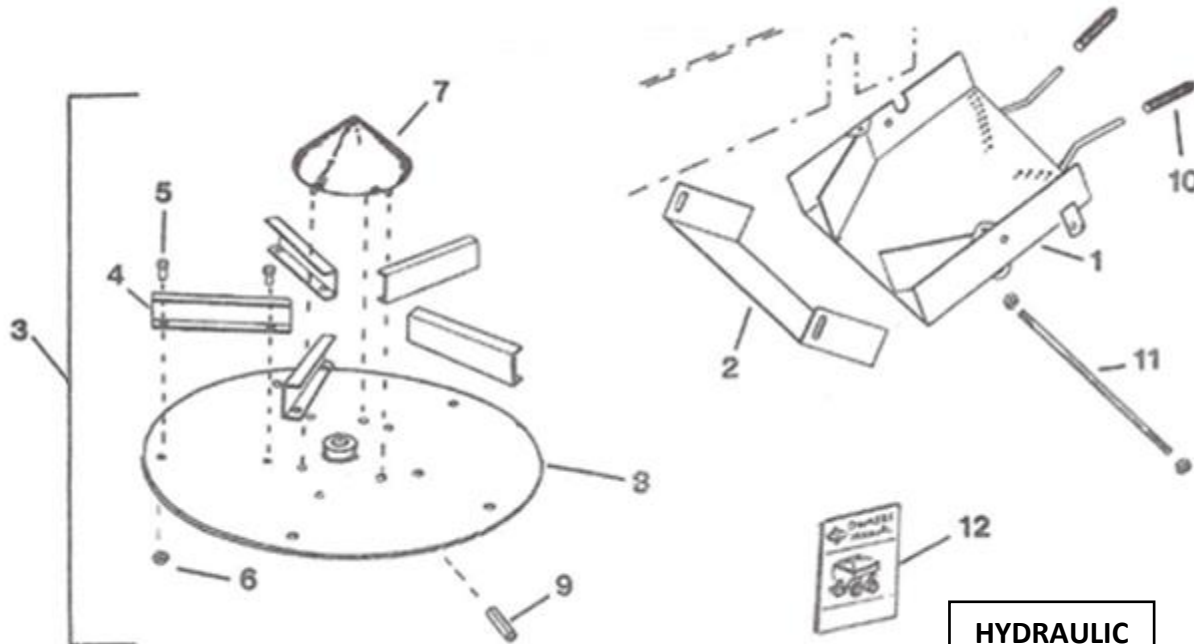


ITEM	PART#	QTY	DESCRIPTION	
13	900-01089	1	1/2" – 13 X 7" BOLT S.S.	
14	900-05198	1	1/2" – 13 HEX NYLOC LOCK NUT S.S.	
15	160-3-5620	1	TENSION ROD SPACER	
16	160-2-5173	1	TENSION ROD ASSEMBLY - RIGHT	
17	160-2-5172	1	TENSION ROD ASSEMBLY – LEFT	
18	900-05183	4	5/8" – 11 HEX NUTS S.S.	

160-1-6136 FAN CHUTES CLIPPERS 200 & 250



ADJUSTABLE REAR CHUTE



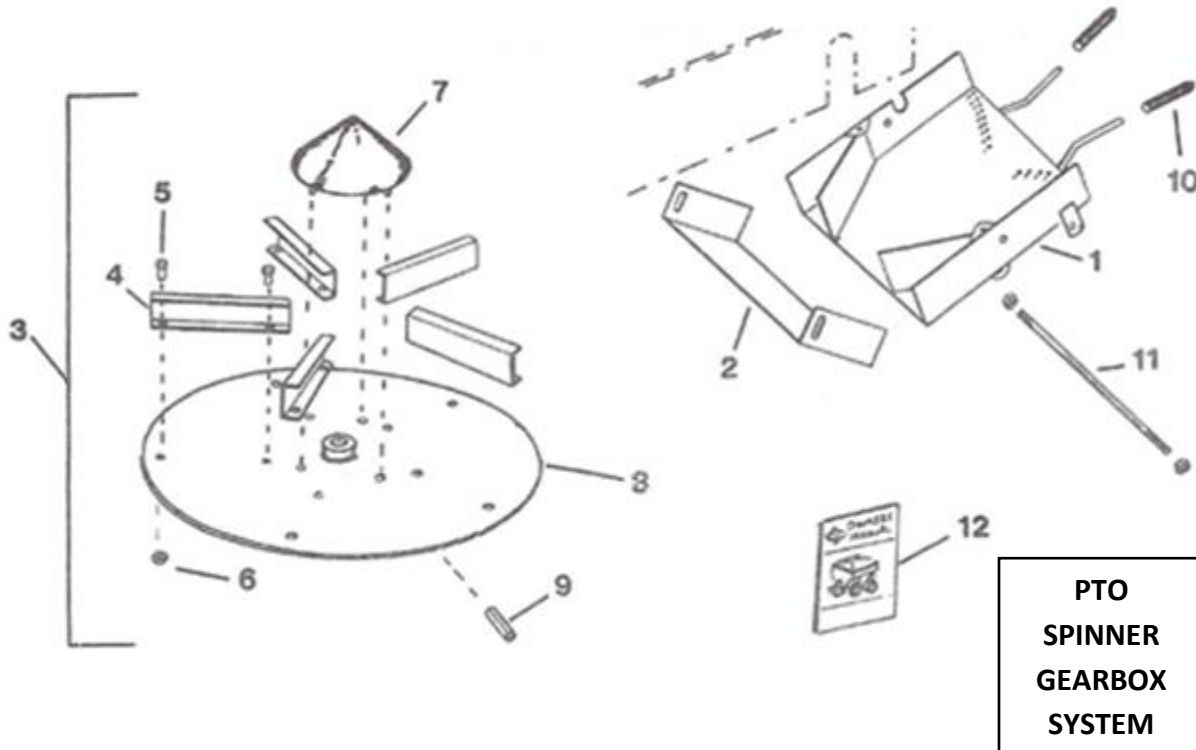
HYDRAULIC
SPINNER
MOTOR
SYSTEM

ITEM	PART#	QTY	DESCRIPTION
1	160-2-4979	1	REAR CHUTE ASSEMBLY – 10" WIDE – ADJUSTABLE
	160-1-4881		ADJUSTABLE CHUTE ASSEMBLY W/ REAR LOCK PIN AND HANDLE #'S 1,10, 11
2	160-3-4815	1	FRONT CHUTE – 4" WIDE – ADJUSTABLE
			(6) 900-00602 – 1/4" NC X 1" CAPSCREW – (4R) & (2F)
			(5) 900-10163 – 1/4" FLATWASHER – S.S.
			(6) 900-10170 – 1/4" LOCKWASHER – S.S.
			(6) 900-05113 – 1/4" NC HEX NUT – S.S.
3	160-2-4995S	1	FAN & VANE ASSEMBLY – INCLUDES ITEMS #4 THRU #9 -24" DIAMETER
4	160-3-5512	5	FAN VANE ONLY – 8" LONG – MAY BE SQUARE OR ROUND HOLES (*)
5	900-01069	10	CARRIAGE BOLT 5/16NC X 3/4 S.S.
6	900-05143	10	5/16" S.S. NYLOC NUT
7	160-2-4977	1	CONE ASSEMBLY – TO COVER HUB
			(3) 900-05143 – 5/16" NC HEX NYLOK NUT – S.S.
8	160-2-4996S	1	FAN & HUB ASSEMBLY – WELDED ASSEMBLY – FOR HYDRAULIC MOTOR
9	900-00382	2	SET SCREW – 3/8"NC X 1/2" – CUP POINT – HUB TO MOTOR
10	907-01201	2	RED PLASTIC SLEEVE - .280" ID X 1-3/4" LONG –
11	160-3-5523	1	LOCK PIN – 5/16" X 11-1/4" LONG – S.S.
			(2) 900-05143 – 5/16" S.S. NYLOK NUT
12	FORM 2628	1	OWNERS MANUAL FOR HYDRAULIC SPINNER CLIPPERS 200 & 250
	FORM 2629	1	REPAIR MANUAL FOR HYDRAULIC SPINNER CLIPPERS 200 & 250

160-1-4727 FAN CHUTES CLIPPERS 200 & 250



ADJUSTABLE REAR CHUTE



PTO
SPINNER
GEARBOX
SYSTEM

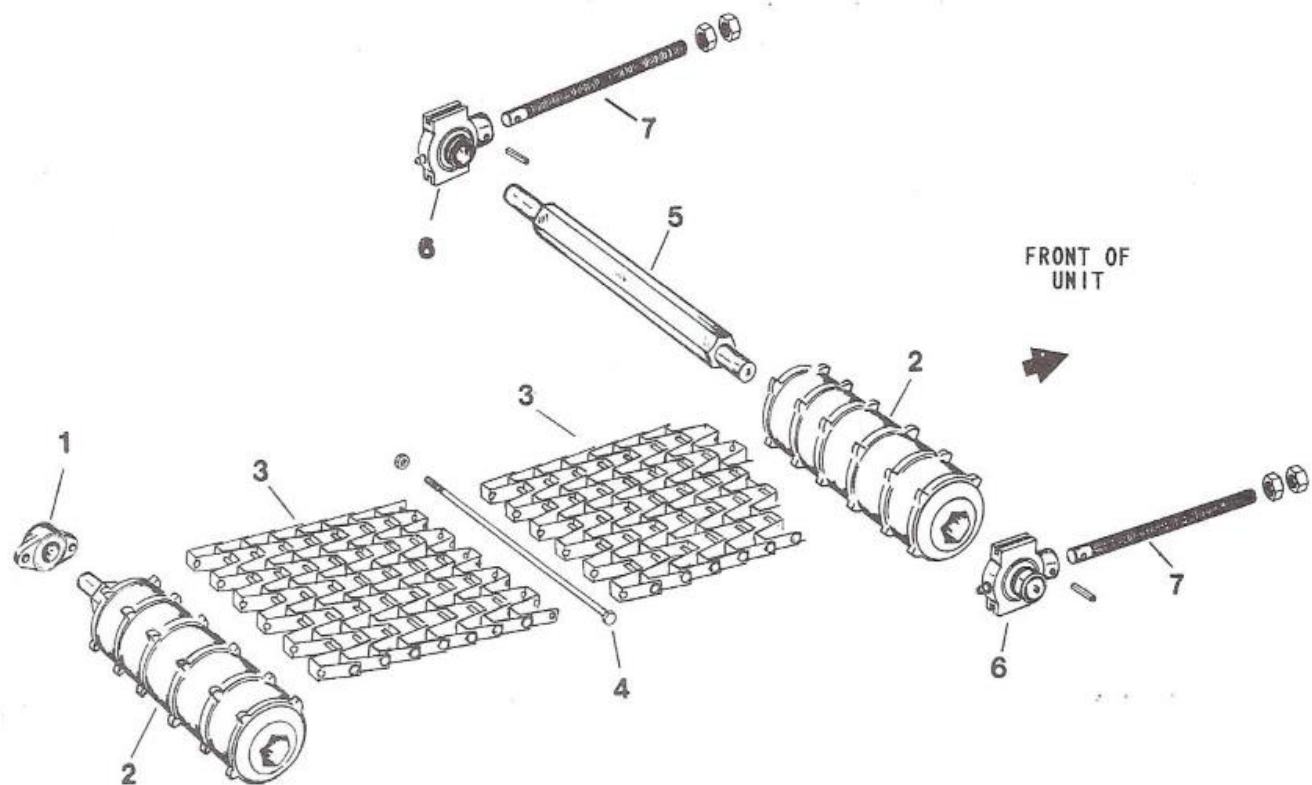
ITEM	PART#	QTY	DESCRIPTION	
1	160-2-4979	1	REAR CHUTE ASSEMBLY – 10" WIDE – <u>ADJUSTABLE</u>	
	160-1-4881		REAR CHUTE ASSEMBLY W/ REAR LOCK PIN AND ASSEMBLY #'S 1,10,11	
2	160-3-4815	1	FRONT CHUTE – 4" WIDE – ADJUSTABLE	
			(6) 900-00602 – 1/4" NC X 1" CAPSCREW – (4R) & (2F)	
			(5) 900-10163 – 1/4" FLATWASHER – S.S.	
			(6) 900-10170 – 1/4" LOCKWASHER – S.S.	
			(6) 900-05113 – 1/4" NC HEX NUT – S.S.	
3	160-2-49745	1	FAN & VANE ASSEMBLY – INCLUDES ITEMS #4 THRU #9– 24" DIAMETER	
4	160-3-5512	5	FAN VAN ONLY – 8" LONG – MAY BE SQUARE OR ROUND HOLES (*)	
5	900-01069	10	CARRIAGE BOLT 5/16NC X 3/4 S.S.	
6	900-05143	10	5/16" S.S. NYLOC NUT	
7	160-2-4977	1	CONE ASSEMBLY – TO COVER HUB	
			(3) 900-05143 – 5/16" NC HEX NYLOK NUT – S.S.	
8	160-2-49765	1	FAN & HUB ASSEMBLY – WELDED ASSEMBLY – FOR PTO DRIVE	
9	900-26028	2	3/8" X 1-3/4" ROLLPIN – HUB TO GEARBOX SHAFT	
10	907-01201	2	RED PLASTIC SLEEVE - .280" ID X 1-3/4" LONG –	
11	160-3-5523	1	LOCK PIN – 5/16" X 11-1/4" LONG – S.S.	
			(2) 900-05143 – 5/16" S.S. NYLOK NUT	
12	FORM 2628	1	OWNERS MANUAL FOR HYDRAULIC SPINNER CLIPPERS 200 & 250	
	160-1-4750	1	FAN VANE KIT (INCLUDES 5 VANE AND NUTS&BOLTS)	

CONVEYOR CHAIN COMPONENTS CLIPPERS 200 & 250

CLIPPER 30



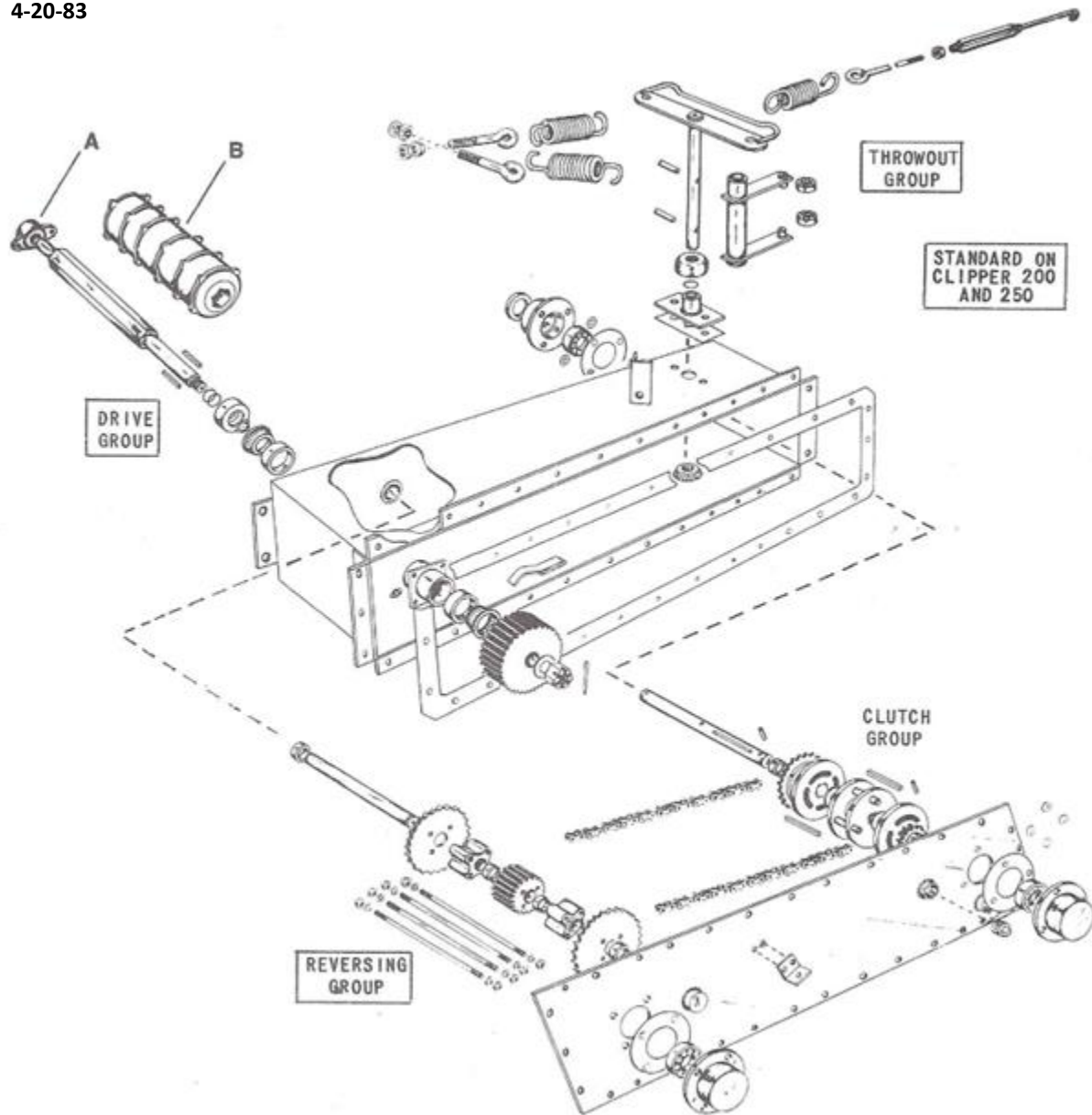
CONVEYOR CHAIN



ITEM	PART#	QTY	DESCRIPTION
1	901-00019	1	BEARING - 1" BORE - 2-HOLE FLANGE - #RTS-16
			(2) 900-00231 - 3/8" X 1-1/2" CARRIAGE BOLT
			(2) 900-10179 - 3/8" FLATWASHER
			(2) 900-10157 - 3/8" LOCKWASHER
			(2) 900-05014 - 3/8" NC HEX NUT
2	160-3-4811	2	SPROCKET - ONE PIECE - FRONT & REAR - CAST IRON
3	903-00046	1	CONVEYOR CHAIN - 1" MESH - 10" WIDE X 209-1/2" LONG - S.S.
4	903-00015	1	CONNECTING BOLT WITH NUT - FOR CONVEYOR CHAIN
5	160-3-4993	1	FRONT CONVEYOR SPROCKET SHAFT - 1-1/4" HEX X 15" LONG
6	901-00145	2	TAKEUP BEARING - 1" BORE - NARROW SLOT - #RTUL-16
7	160-3-4996	2	TAKEUP SCREW - 3/4" - S.S.
			(2) 900-26023 - 5/16" X 1-3/8" ROLLPIN
			(4) 900-05160 - 3/4" NC HEX NUT - S.S.

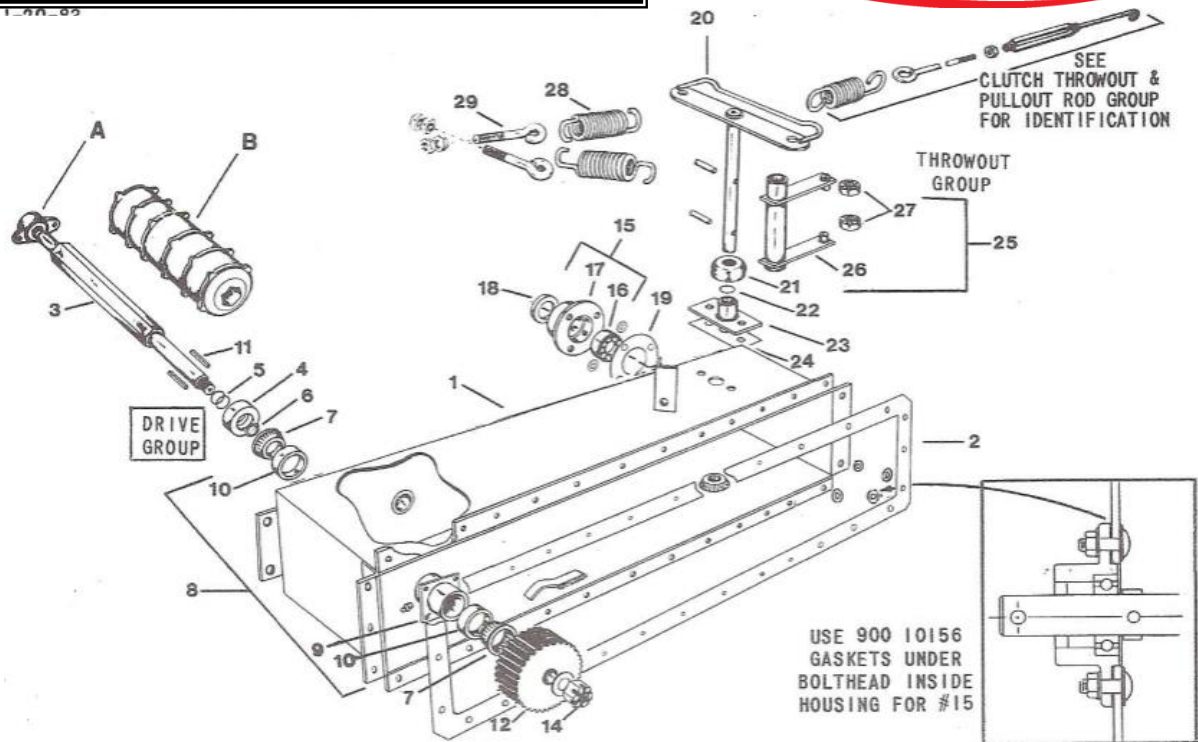
160-2-4955 CONVEYOR DRIVE 2-SPEED GEARBOX

4-20-83



ITEM	PART#	QTY	DESCRIPTION
--- ITEMS A & B ARE NOT INCLUDED IN ASSEMBLY – SHOWN FOR REFERENCE ONLY ---			
A	901-00019S	1	BEARING – 1" ID – 2-HOLE FLANGE – SELF ALIGNING
			(2) 900-00261 – 3/8" NC X 1-1/4" CARRIAGE BOLT
			(2) 900-10157 – 3/8" LOCKWASHER
			(2) 900-05014 – 3/8" NC HEX NUT
B	160-3-4811	2	CONVEYOR SPROCKET – 1 PIECE – CAST IRON – 1-1/4" HEX I.D.

160-2-4955 CONVEYOR DRIVE 2-SPEED GEARBOX

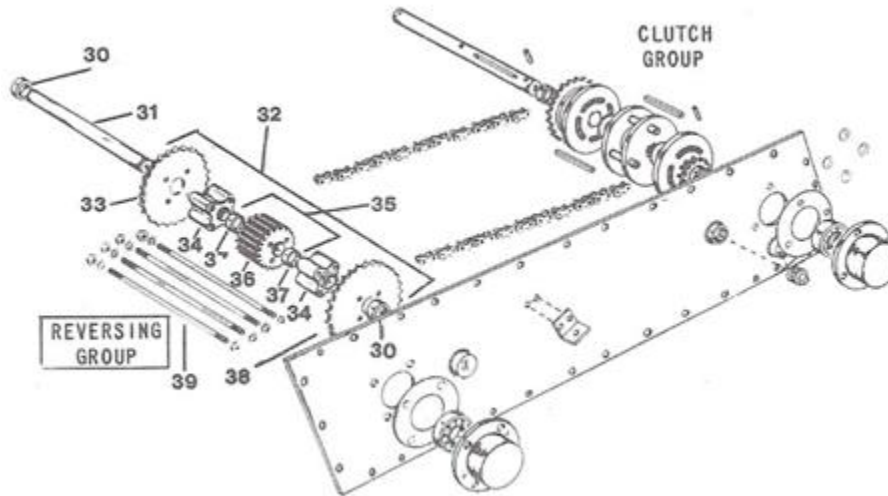


ITEM PART# QTY DESCRIPTION

--- CONVEYOR GEARBOX 160-2-4955 INCLUDES ITEMS 1 THROUGH 59 ---

1	160-2-5002S	1	HOUSING ASSEMBLY – 2-SPEED CONVEYOR GEARBOX – 1983 REVISION (2) 900-00601 – 3/8" NC X 1" CAPSCREW (2) 900-10157 – 3/8" LOCKWASHER (2) 900-05014 – 3/8" NC HEX NUT
2	160-3-5597	1	COVER GASKET – 9-1/4" X 36-1/4" X 1/16" – VELLUMOID
3	160-3-5239	1	DRIVE SHAFT – 1-1/4" HEX X 22-1/2" – BEARING LAND EACH END
4	160-3-4809	1	O-RING MOUNT – FOR QUAD RINGS (ITEM 5)
5	907-03037	2	QUAD RINGS – 1-9/16" O.D. X 1/8" ROUND
6	901-04037	1	RETAINING RING – FOR 1-1/4" SHAFT - #5160-125
7	901-00068	2	BEARING CONE – TIMKEN #LM-67048
8	160-2-4645	1	TOP BEARING W/CUPS – INCLUDES ITEMS #9 & 10 (2) 900-00686 – 3/8 NC X 1" CARRIAGE BOLT (2) 900-10157 – 3/8" LOCKWASHER (2) 900-05014 – 3/8" NC HEX NUT (1) 907-00001 – 1/8" NPT STRAIGHT ZERK
9	160-2-4638	1	TOP BEARING HOUSING ONLY
10	901-00067	2	BEARING CUP – TIMKEN #LM-67010
11	900-24034	2	DRIVE GEAR KEYS – 1/4" SQUARE X 1-5/8" LONG
12	160-3-4725	1	DRIVE GEAR – 28 TEETH – 6" DIA X 2"
13	900-10013	1	FLAT WASHER – 1-1/4" – PLAIN (No longer used with Nyloc Nut)
14	900-05247	1	1-1/4" NC NYLOC NUT

160-2-4955 CONVEYOR DRIVE 2-SPEED GEARBOX

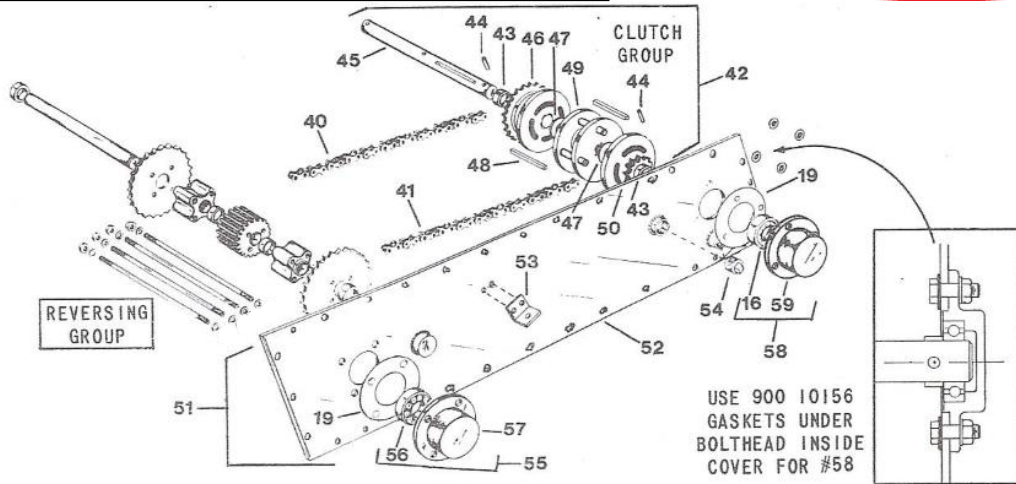


ITEM PART# QTY DESCRIPTION

--- CONVEYOR GEARBOX 160-2-4955 INCLUDES ITEMS 1 THROUGH 59 ---

15	160-2-4746	1	INNER HOUSING W/BEARING – INCLUDES (1) ITEM #16 & 17 (4) 900-10156 – GASKET – 3/8" ID X 7/8" OD – VELLUMOID (4) 900-00220 – 5/16" NC X 1" CARRIAGE BOLT (4) 900-10023 – 5/16" LOCKWASHER (4) 900-05143 – 5/16" NC HEX NUT
16	901-00121	2	BEARING - 1" ID X 2" OD X 3/8" THICK - #R16
17	160-3-4938	1	INNER BEARING HOUSING ONLY – CAST IRON
18	901-02018	1	OIL SEAL – 1" ID X 1-5/8" OD – C/R# 9910
19	160-3-4752	3	HOUSING GASKET – 4-7/16" OD – VELLUMOID
20	160-2-4651	1	VERTICAL SHAFT & LEVER – CLUTCH – W/INDEXED SPRING ANCHOR
21	160-3-4794	1	LEATHER SHIELD – 1-3/4" OD X 11/64"
22	907-03053	1	O-RING – 3/4" ID X 1" OD X 1/8" – PARKER #2-210
23	160-2-4647	1	VERTICAL SHAFT GUIDE – CAST IRON – REQUIRES O-RING (22) (2) 900-00601 – 3/8" NC X 1" CAPSCREW (2) 900-10179 – 3/8" LOCKWASHER (2) 900-05014 – 3/8" NC HEX NUT (1) 907-00001 – 1/8" NPT GREASE ZERK
24	160-3-4773	1	GASKET FOR SHAFT GUIDE – 2" X 3-3/4" X 1/16" – VELLUMOID
25	160-2-4649	1	ENGAGING ARM W/ BEARINGS – INCLUDES ITEMS #26 & 27
26	160-2-4648	1	ENGAGING ARM ASSEMBLY ONLY (2) 900-26033 – 1/4" X 1-3/8" ROLLPIN
27	901-00105	2	BALL BEARING – 5/8" ID X 1-3/8" OD
28	160-3-4734	2	RETURN SPRING – 1-1/4" OD X 5-5/8" LONG - S.S.
29	160-3-57415	2	EYEBOLT STAINLESS STEEL – FOR RETURN SPRINGS (2) 900-05014 – 3/8" NC HEX NUT – S.S.
30	160-3-4681	2	SHAFT SPACER – 1" ID X 1-1/4" OD X 7/16" LONG
31	160-3-4680	1	CENTER SHAFT – 1" DIA X 8-1/4" LONG
32	160-2-4957	1	GEAR & SPROCKET ASSEMBLY – INCLUDES ITEMS #33-39
33	160-3-4949	1	24 – TOOTH SPROCKET – INNER – FOR #50 CHAIN
34	160-3-4934	2	SPROCKET SPACER – CAST IRON – 1" BORE – 1-21/32" SPACING
35	160-2-4744	1	REVERSING GEAR & BUSHINGS – INCLUDES ITEMS #36 & 37
36	160-3-4933	1	REVERSING GEAR – 14-TOOTH – 3-1/8" DIA X 2"
37	901-00063	2	OILITE BUSHING – 1" ID X 3/4" LONG
38	160-3-5459	1	30 – TOOTH SPROCKET – OUTER – FOR #50 CHAIN
39	900-01017	4	5/16" X 6-1/4" HEX HEAD BOLT
	900-05204	4	Locknut 5/16 HEX LT PLTD. THIN

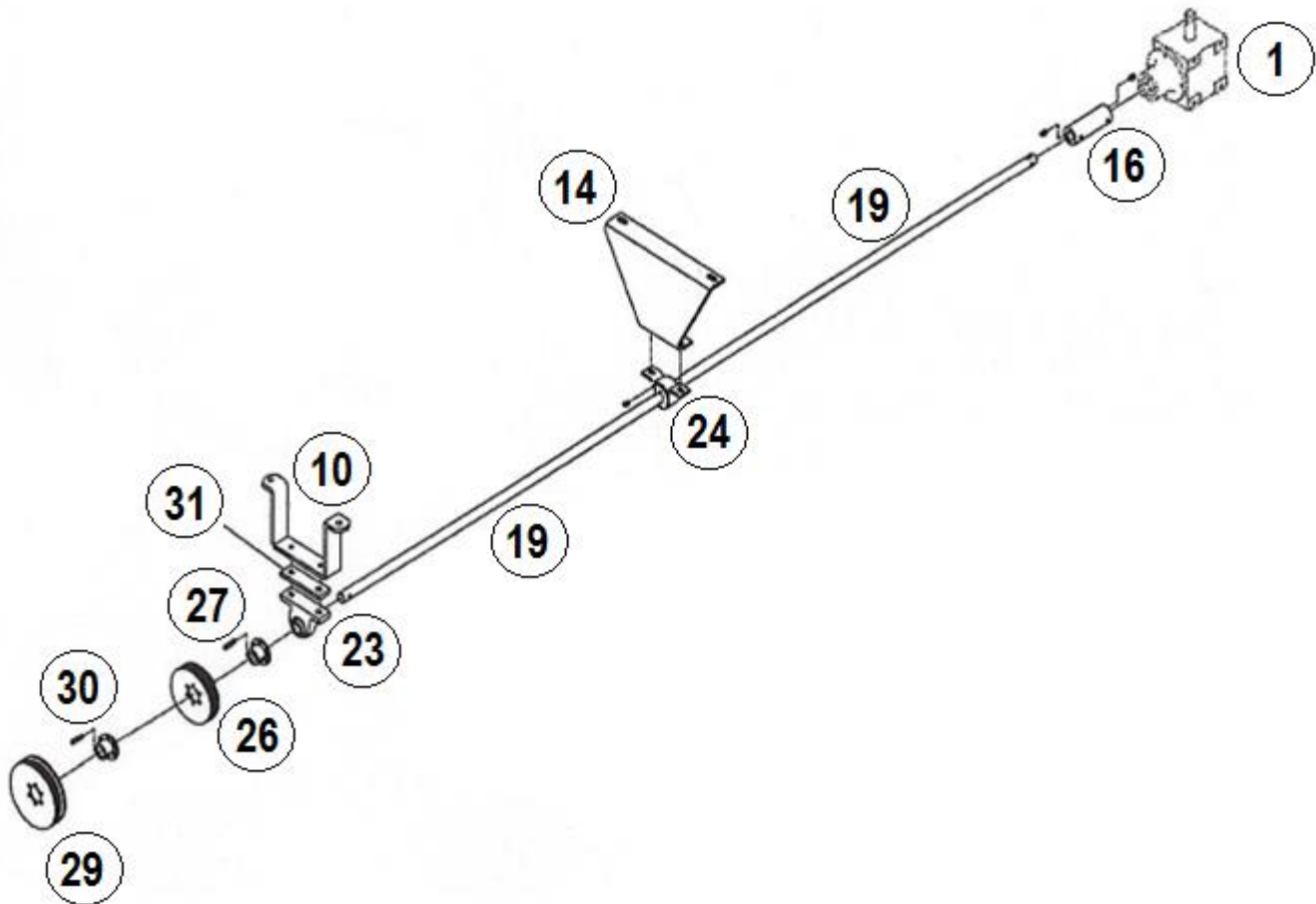
160-2-4955 CONVEYOR DRIVE 2-SPEED GEARBOX



ITEM	PART#	QTY	DESCRIPTION
--- CONVEYOR GEARBOX 160-2-4955 INCLUDES ITEMS 1 THROUGH 59 ---			
40	160-3-4951	1	CHAIN – INNER - #50 X 95 PITCHES (1) 903-02012 – CONNECTING LINK - #50
41	160-3-4730	1	CHAIN – OUTER - #50 X 93 PITCHES (1) 903-02012 – CONNECTING LINK - #50
42	160-2-4973*	1	CLUTCH ASSEMBLY – INCLUDES ITEMS #43 THRU 50
43	160-3-4797	2	LOCK RING – 1-1/4" DIA X 7/16" – DRILLED
44	900-26033	2	ROLLPIN FOR LOCK RING – 1/4" DIA X 1-3/8" LONG
45	160-3-5511*	1	LOWER SHAFT – 1" DIA X 10-5/8" LONG
46	160-2-4754	1	22-TOOTH SPROCKET & CLUTCH PLATE ASSEMBLY - #50 CHAIN
47	901-00014	2	SPACING WASHER – 1-1/32" ID X 2" OD X 14 GA.
48	160-3-4726	2	SPACING KEYS – 1/4" SQUARE X 3-3/8" LONG
49	160-2-4646	1	ENGAGING CLUSTER W/4 CLUTCH PINS
50	160-2-4639	1	11-TOOTH SPROCKET & CLUTCH PLATE ASSEMBLY - #50 CHAIN
51	160-2-5004	1	COVER PLATE ASSEMBLY – INCLUDES (2) #19, 52, 53, 55 & 58 (30) 900-00602 – 1/4" NC X 1" CAPSCREW - S.S (30) 900-10169 – 1/4" LOCKWASHER S.S (30) 900-05113 – 1/4" NC HEX NUT – S.S.
52	160-2-5005	1	COVER PLATE ASSEMBLY ONLY
53	160-3-4671	1	FAN DEFLECTOR CLIP – TO ATTACH RIGHT DEFLECTOR (2) 900-00229 – 3/8" NC X 1" CARRIAGE BOLT (2) 900-10179 – 3/8" FLATWASHER (2) 900-10157 – 3/8" LOCKWASHER (2) 900-05014 – 3/8" NC HEX NUT
54	907-00038	2	PIPE PLUG – 3/4" NPT - SQUARE HEAD – OIL FILL & LEVEL
55	160-2-4846	1	OUTER BEARING HOUSING W/BEARING – UPPER – INCLUDES #56 & 57 (4) 900-00008 – 5/16" NC X 1" CAPSCREW (4) 900-10156 – GASKET – 3/8" ID X 7/8" OD – VELLUMOID (4) 900-10114 – 5/16" LOCKWASHER (4) 900-05112 – 5/16" NC HEX NUT
56	901-00100	1	BEARING – 1" ID X 2" OD X 5/8" THK – GEN. #6205-2RS
57	160-3-5237	1	BEARING HOUSING ONLY (DISREGARD NO. STAMPED ON CASTING)
58	160-2-4747	1	OUTER BEARING HOUSING W/BEARING - LOWER – INCLUDES #39 & 59 -- USE SAME HARDWARE AS ITEM #55 --
59	160-3-4939	1	BEARING HOUSING ONLY – CAST IRON – USE BEARING ITME #39

CANNOT BE USED ON MEDLS 560H & EARLIER UNITS EQUIPPED WITH SHORTER LIVE AXLE
(160-2-4910) (19") OR OTHER LIVE AXLE NOT FOR USE WITH 1/2 RATE DRIVE (160-1-4653). ORDER
160-2-4456 ASSEMBLY OR LONGER (13") 160-3-4724 SHAFT USED WITH IT. > SEE APPROPRIATE MANUAL.

BELT DRIVE
160-1-4849 540 DRIVE
160-1-4850 540/1000 DRIVE

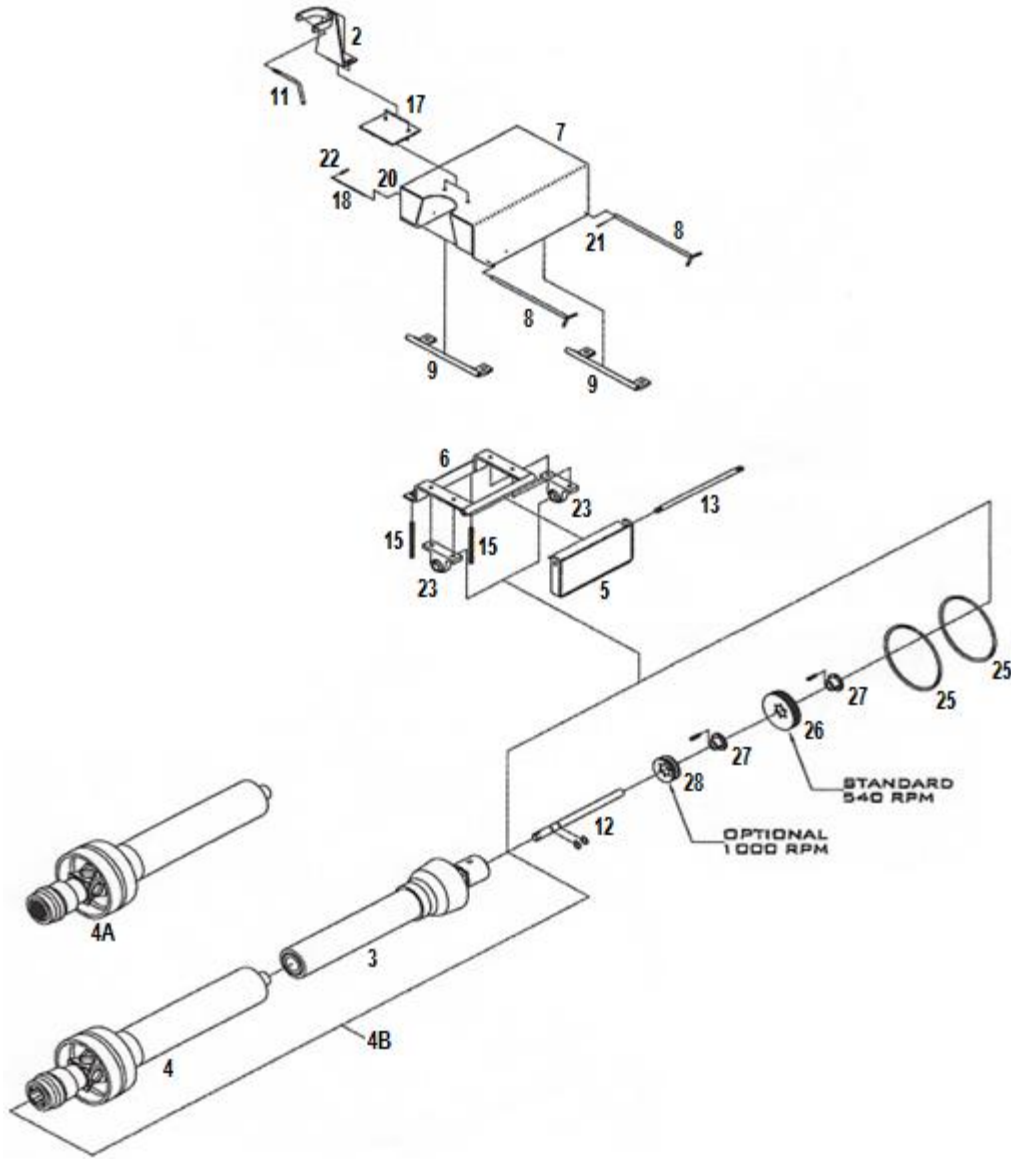


SEE PAGE 35 – 36 FOR PARTS LISTING

160-2-4868 REAR UNIVERSAL JOINT FOR OLDER MODELS

160-3-5752 DRIVE SHAFT 1"X144 ½" FOR OLDER MODELS

BELT DRIVE
160-1-4849 540 DRIVE
160-1-4850 540/1000 DRIVE



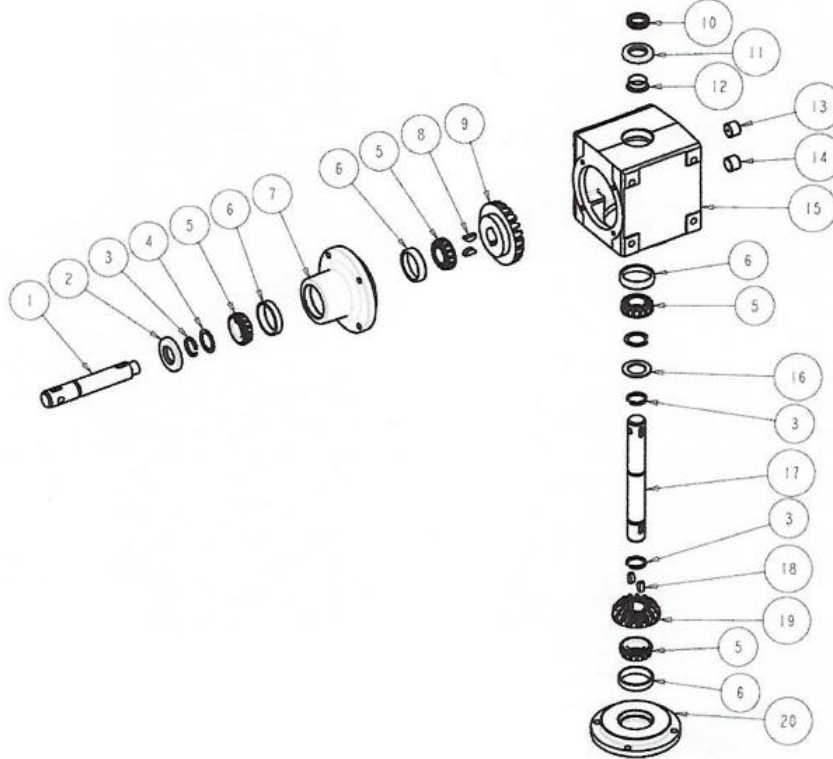
ITEM	PART#	QTY	DESCRIPTION	
1	160-2-4760	1	FAN GEARBOX (REFERENCE)	
2	160-2-4814	1	SUPPORT ASS'Y - PTO SHAFT 3" I.D.	
			(1) 900-10004 - FLAT WASHER, 3/8" PLATED	
3	160-2-4833	1	PTO SHAFT - REAR HALF 540/1000 RPM	
4	160-2-4834	1	PTO SHAFT - FRONT HALF 540 RPM	
4A	160-2-4835	1	PTO SHAFT - FRONT HALF 1000 RPM (OPTIONAL)	
4B	160-2-4812	1	PTO SHAFT 540 RPM (COMPLETE PTO SHAFT)	
5	160-2-5116	1	DRIVE MOUNT WELDMENT	
			(2) 900-00050 - CAPSCREW 1/2" NC X 2.25" HXHD PLT	
			(2) 900-05250 - NUT, 1/2" NC HEX PLATED	
			(2) 900-10029 - LOCK WASHER, 1/2" PLATED	
6	160-2-5117	1	CARRIER WELDMENT	
			(2) 900-10029 - LOCK WASHER, 1/2" PLATED	

BELT DRIVE
160-1-4849 540 DRIVE
160-1-4850 540/1000 DRIVE



ITEM	PART#	QTY	DESCRIPTION
7	160-2-5118	1	SHIELD WELDMENT (2) 900-22043 HAIRPIN COTTER KEY S.S
8	160-2-5119	2	PIVOT ROD WELDMENT (2) 900-10005 – FLAT WASHER, 7/16" REG. PLATED
9	160-2-5120	2	SHIELD MOUNT WELDMENT (4) 900-00047 – CAPSCREW, 1/2" NC X 1-1/2" HXHD PL (4) 900-05250 – NUT, 1/2" NC HEX PLATED (8) 900-10006 – FLAT WASHER, 1/2" PLATED
10	160-2-5121	1	BEARING MOUNT WELDMENT (2) 900-00047 – CAPSCREW, 1/2" NC X 1-1/2" HXHD PL (2) 900-05250 – NUT, 1/2" NC HEX PLATED (2) 900-10029 – LOCK WASHER, 1/2" PLATED
11	160-3-5812	1	STOWAGE PIN-ONG (2) 900-10006 – FLAT WASHER, 1/2" PLATED
12	160-3-5835	1	UPPER SHAFT (2) 901-04043 – SNAPRING 1" SHAFT EATON #329-1
13	160-2-5133	1	PIVOT ROD DRIVE (2) 900-10008 – FLAT WASHER, 5/8" REG. PLATED (2) 900-05176 – LOCK NUT, 5/8"-11 HEX PLATED
14	160-3-5837	1	SUPPORT CENTER BEARING (2) 900-05250 – NUT, 1/2" NC HEX PLATED (2) 900-10029 – LOCK WASHER, 1/2" PLATED
15	160-3-5838	2	JACKING SCREWS (8) 900-05250 – NUT, 1/2" NC HEX PLATED (8) 900-10006 – FLAT WASHER, 1/2" REG PLATED (8) 900-10029 – LOCK WASHER, 1/2" PLATED
16	160-3-5839	1	COUPLING (OLD STYLE)
	160-3-5839N	1	COUPLING (NEW STYLE) (1) 900-00449 – CAPSCREW, 5/16" NC X 2-1/2" HXHD HT (1) 900-00620 – CAPSCREW, 3/8" NC X 2-1/2" HXHD HT (1) 900-05182 – LOCK NUT, 3/8" NC PLATED (2) 900-24044 – KEY #91 WOODRUFF KEY 1/4" X 3/4"
17	160-3-5842	1	GUARD
18	160-3-5843	1	CHAIN – 1/4"
19	160-3-7023	1	DRIVE SHAFT – 139-1/2"
20	900-22053	1	SPRING COTTER, 1/8" X 3/4"
21	900-22013	1	PIN, COTTER 5/32" X 1"
22	900-22043	1	HAIRPIN COTTER KEY S.S.
23	901-00129	3	BRG 1" PILLOW BLOCK (6) 900-01049 – CAPSCREW 3/8" NC X 1-3/4" HXHD PL (6) 900-05012 – NUT, 3/8" NC PLATED (6) 900-10004 – FLAT WASHER, 3/8" NC PLATED (6) 900-10025 – LOCK WASHER, 3/8" PLATED
24	901-00219	1	WOOD BEARING, 1" BORE (4) 900-00018 – CAPSCREW, 3/8" NC X 1-1/4" (4) 900-00623 – CAPSCREW, 3/8" NC X 1-1/4" (4) 900-05012 – NUT, 3/8" NC PLATED (4) 900-10004 – FLAT WASHER, 3/8" NC PLATED
25	903-00040	2	V-BELT, 3VXT425
26	903-08049	2	5.6" DIA. 2 GROOVE 3V PULLEY
27	903-08052	2	BUSHING 1" BORE 1/4" KEYWAY (2) 900-24017 – KEY 1/4" SQ. X 1-1/2"
28	903-08050		3.5" - 2- GROOVE PULLEY
29	903-08051		6.5" - 2- GROOVE PULLEY
30	903-08053		BUSHING- 1" BORE 1/4" KEYWAY
31	160-3-5720		SPACER (OPTIONAL FOR 540 OR 540/1000 DRIVE ONLY)

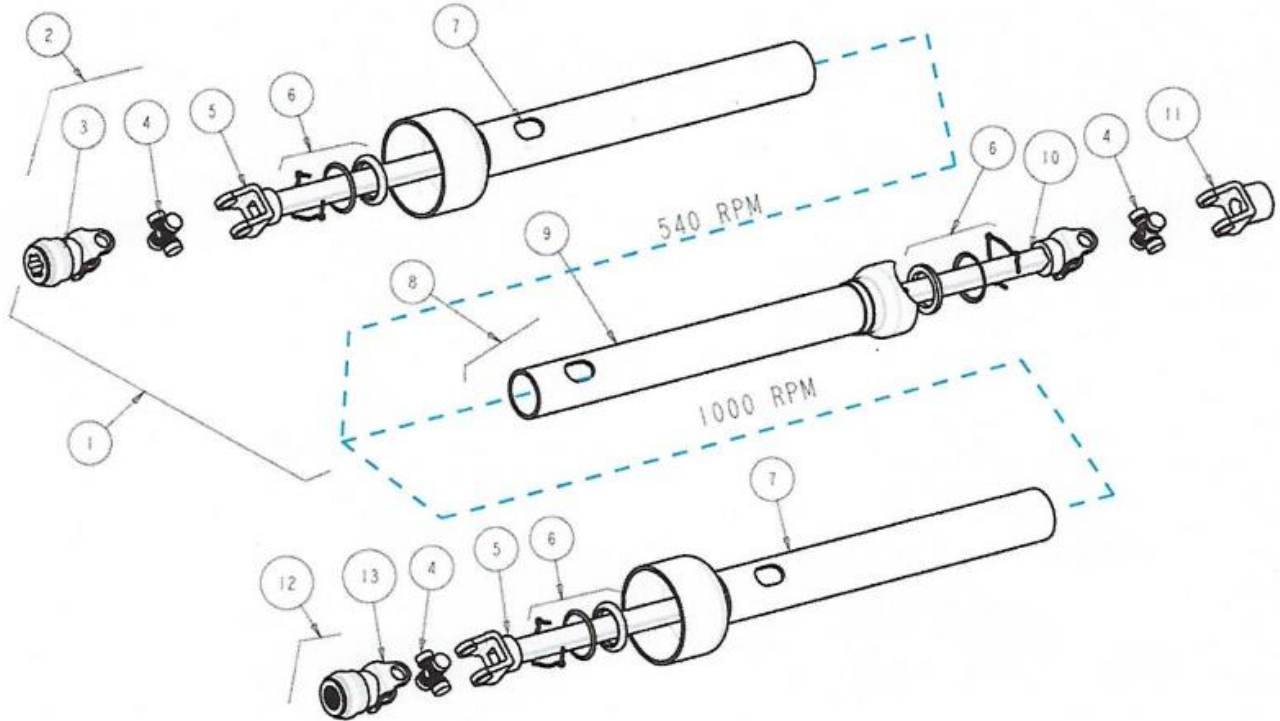
160-2-4760 GEAR BOX



ITEM	PART#	QTY	DESCRIPTION
1	160-3-4975	1	RING GEAR SHAFT 1" DIA X 6-1/4"
2	901-02037	1	OIL SEAL C/R #10123 - 3/4" W X 2" O.D. X 1" I.D.
3	901-04043	3	SNAP RING - 1" SHAFT X 1/8" SQUARE EATON #329-1
4	900-10173	2	WASHER, FLAT 1-3/8" O.D. X 1-1/64 ID* 18GA
5	901-00139	4	CONE #1985 1" BORE TIMKEN #L-4464
6	901-00138	4	CUP 1.980" O.D. TIMKEN #L-44610
7	160-2-4762	1	CAP, GEARBOX W/CUPS
	900-00555	8	CAPSCREW, 5/16 NC X 1" S.S.
	900-10114	8	5/16 LOCKWASHER
	160-3-4979	-	SHIM - .010 X 5-1/8" VELLUMOID (QTY VARIES)
8	900-24044	2	KEY, WOODRUFF 1/4 X 3/4 #806 HARDEND RC 40-50
9	160-3-4182	1	GEAR, BEVEL - 21 TOOTH 3-1/2 PITCH DIA
	900-10172	1	WASHER, FLAT 1-1/4 X 25/32 X 18GA
	900-05161	1	NUT, THIN LOCK 3/4-16
10	901-02048	1	V-RING, EPDM M-F #V-25A
11	901-02036	1	OIL SEAL C/R #9997
12	901-02079	1	SPEEDIE SLEEVE
13	907-01122	1	VENTED PIPE PLUG - 1/2" NPT
14	907-00059	1	PIPELUG 1/2" NPT COUNT SUNK HEAD
15	160-2-4761	1	GEARBOX BODY W/CUPS (#6)
16	900-10063	1	WASHER, FLAT 1-5/8 X 1-1/32 X 14GA*
17	160-3-4976	1	PINION SHAFT 1" DIA X 8-1/4"
18	160-3-5862	2	KEY, WOODRUFF (#8) MODIFIED TO 11/16 TO CLEAR (#3)
19	160-3-4181	1	GEAR, BEVEL -14 TOOTH 3-1/2 PITCH DIA
20	160-2-4763	1	PLATE, GEARBOX W/CUP (#6)
21	160-1-4768	1	FAN GEAR BOX REPAIR KIT ALL ITEMS ABOVE EXCEPT FOR 7,9,13,14,15,19,20. NOT SHOWN
	160-2-4760		FAN GEAR BOX COMPLETE (SHIPPED WITHOUT OIL)

-- CAN BE INTERCHANGED WITH #4. ONLY (1) #4 & (1) #16 TO BE USED PER ASSEMBLY --

540/1000 PTO SHAFT

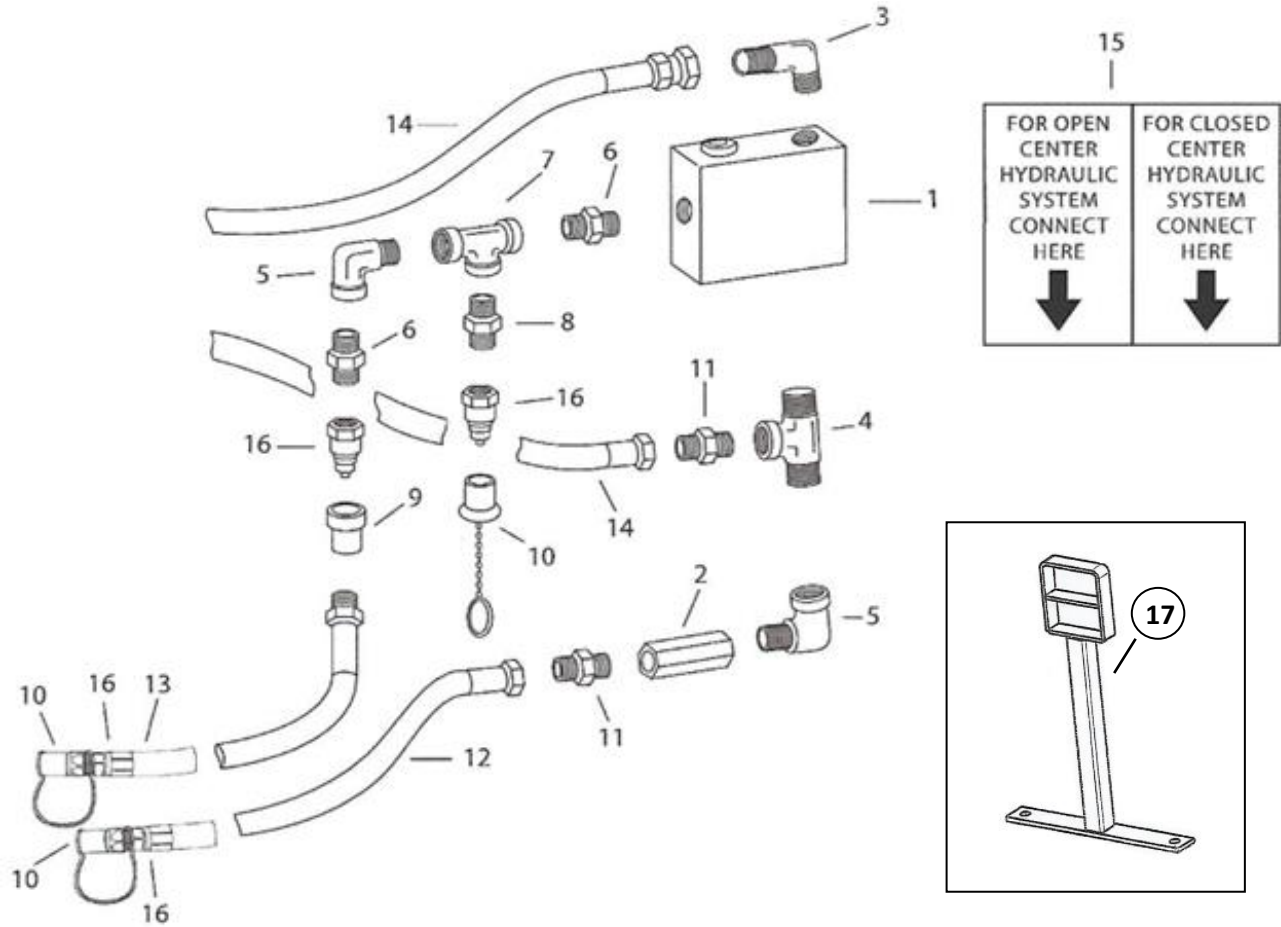


ITEM	PART#	QTY	DESCRIPTION
1	160-2-4812	1	COMPLETE 540 PTO SHAFT INCLUDES ITEMS #2-8
2	160-2-4834	1	PTO SHAFT 540 RPM – FRONT HALF
3	903-04144	1	JOINT HALF 1-3/8 - 6 SPLINE
4	903-04145	1	NEEDLE BEARING REPAIR KIT
5	903-04139	1	YOKE & SHAFT ASSEMBLY ONLY
6	903-04148	1	SHIEL REPAIR KIT THRUST WASHER, BEARING & SNAP RING
7	903-04135	1	FEMALE GUARD TUBE 2-13/16
8	160-2-4833	1	PTO SHAFT REAR HALF – INCLUDES ITEMS #4, 6, 9-11
9	903-04136	1	MALE GUARD TUBE
10	903-04138	1	YOKE & TUBE ASSEMBLY ONLY
11	903-04143	1	REAR HALF JOINT ONLY – 1" SHAFT W/KEYWAY
12	160-2-4835	1	PTO SHAFT 1000 RPM – FRONT HALF INCLUDES ITEMS #4-7 & 13
13	903-04155	1	JOINT HALF 1-3/8 - 21 SPLINE

HYDRAULIC SYSTEM SPREADER FAN MOTOR CLIPPERS 200 & 250



FAN CONTROL GROUP

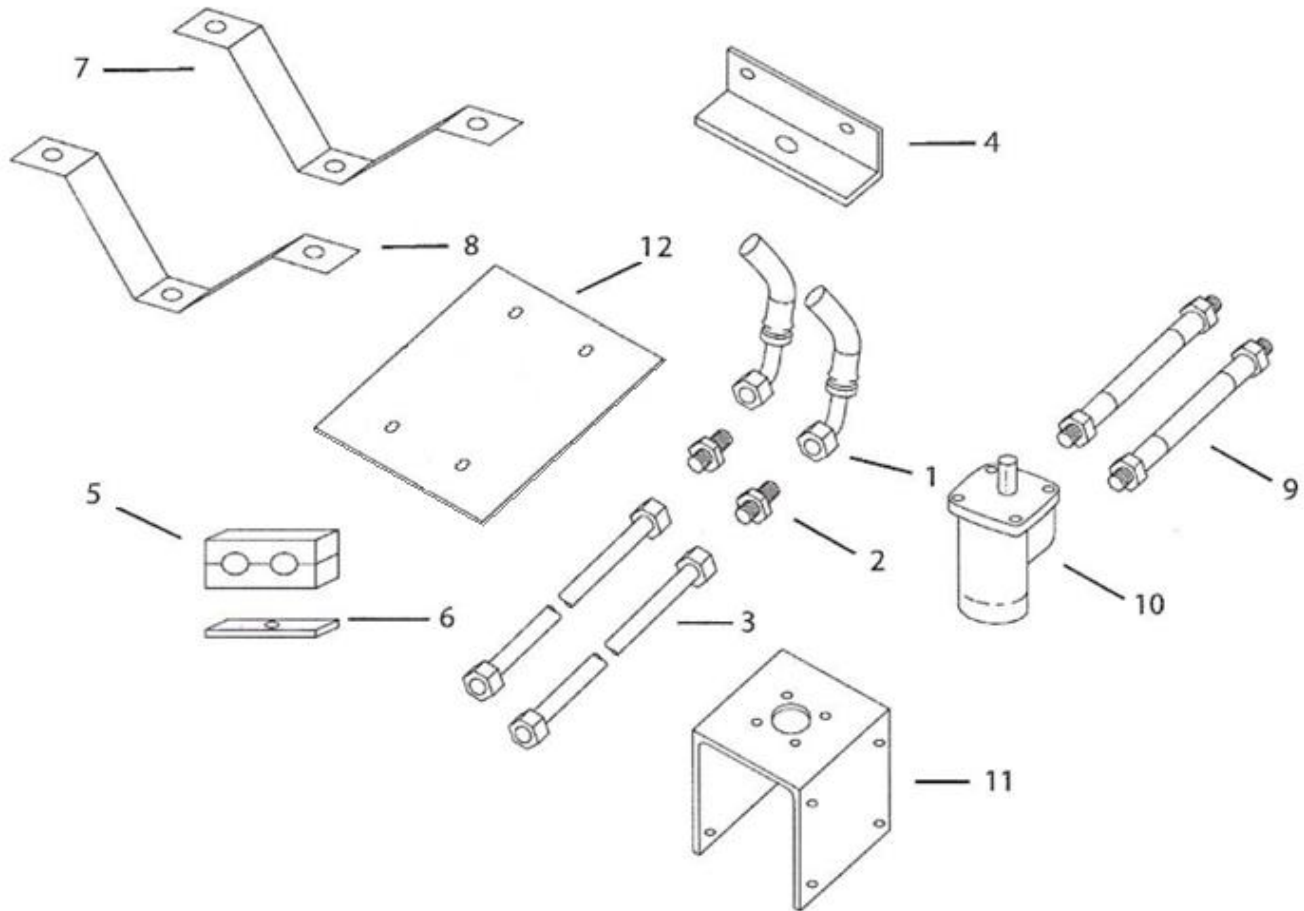


ITEM	PART#	QTY	DESCRIPTION	
1	904-06900	1	FLOW DIVIDER	
2	904-06677	1	CHECK VALVE	
3	904-06890	1	HYDRAULIC ELBOW	
4	904-07564	1	HYDRAULIC TEE	
5	904-06367	2	HYDRAULIC ST. ELL.	
6	904-06398	2	HYDRAULIC ADAPTER	
7	904-06312	1	HYDRAULIC TEE	
8	160-3-5626	1	ORIFACE NIPPLE	
9	904-06206	1	FEMALE QUICK COUPLER	
10	904-06343	3	DUST CAP	
11	904-06946	2	HYDRAULIC ADAPTER	
12	169-2-0505	1	3/4" X 129" HYDRAULIC HOSE	
13	169-2-0506	1	3/4" X 129" HYDRAULIC HOSE	
14	169-2-0504	2	3/4" X 30" HYDRAULIC HOSE	
15	185-3-0169	1	OPERATION DECAL	
16	904-06207	4	MALE QUICK COUPLER	
17	160-2-5197	1	HYDRAULIC HOSE SUPPORT	

HYDRAULIC SYSTEM SPREADER FAN MOTOR CLIPPERS 200 & 250



TRANSFER PIPE & MOTOR GROUP



ITEM	PART#	QTY	DESCRIPTION	
1	169-2-0504	2	3/4" X 30" HYDRAULIC HOSE	
2	904-06905	2	UNION	
3	160-2-5199	2	3/4" X 80" HYDRAULIC TUBE	
4	160-3-6075	1	FRONT TUBE SUPPORT	
5	904-07861	3	HYDRAULIC TUBE CLAMP	
6	160-3-6069	3	HYDRAULIC TUBE CLAMP PLATE	
7	160-3-6076	1	CENTER TUBE SUPPORT	
8	160-3-6077	1	REAR TUBE SUPPORT	
9	169-2-0507	2	3/4" X 39.5" HYDRAULIC HOSE	
10	164-2-4110	1	HYDRAULIC MOTOR W/V RING	
11	160-3-8156	1	HYDRAULIC MOTOR MOUNT	
12	160-3-5933	1	FERTILIZER GUARD	

DECALS



ITEM	PART#	QTY	DESCRIPTION
	160-3-4751		RATE CHART DECAL; 11 X 15 - 12.5L X 15 TIRES
	160-3-5461		RATE CHART DECAL; 19L X 16.1 – 16.5L X 16.1 TIRES
	185-3-0010		! CAUTION DECAL – TIRE SPEED
	185-3-0029		! WARNING DECAL – PTO SPEEDS
	185-3-0048		! DANGER DECAL – LOOK & LISTEN / SPINNER
	185-3-0049		! WARNING DECAL – SAFETY GUARDS
	185-3-0059		OPERATING INSTRUCTIONS DECAL
	185-3-0070		! DANGER– ROTATING DRIVELINE DECAL
	185-3-0078		RATE CHANGE DIRECTIONS DECAL
	185-3-0079		! WARNING DECAL – BOLT TIGHTENING
	185-3-0129		! CAUTION DECAL – PTO/HITCH
	185-3-0130		SPREAD PATTERN ADJUSTMENT DECAL
	185-3-0140		! WARNING DECAL – HITCH PIN
	185-3-0169		HYDRAULIC OPS 200/250 CLIPPER DECAL
	185-3-0175		AMERICAN FLAG 3 X 5 DECAL
	185-3-0200		! DANGER – SAFETY BLOCK DECAL
	185-3-0279		! WARNING – LIVE AXLE TROWOUT DECAL
	185-3-0292		! WARNING – ADJUSTABLE TRACK DECAL
	185-3-0319		CLIPPER 200 DECAL
	185-3-0320		CLIPPER 250 DECAL
	185-3-0322		DEMPSTERS (2015) SPREADER LOGO DECAL
	185-3-0326		60' SPREAD DECAL

160-3-4751

TIRE SIZE:
11X15
12.5LX15

Beatrice Nebraska

RATE CHART
Pounds Per Acre - 60' Swath *

GATE INCHES OPEN	Low Rate								High Rate							
	POUNDS PER CUBIC FOOT								POUNDS PER CUBIC FOOT							
	45	50	55	60	65	70	75	80	45	50	55	60	65	70	75	80
8"					460	495	534	570								
7 1/2"					445	479	513	546								
7"	288	320	352	382	414	445	480	512	576	640	704	764	828	890	960	1024
6 1/2"	267	290	320	350	380	410	442	472	534	580	640	700	760	820	884	944
6"	250	278	306	332	360	388	418	445	500	556	612	664	720	776	836	890
5 1/2"	231	256	282	307	333	359	387	413	462	512	564	614	666	718	774	826
5"	213	236	260	283	307	331	357	381	426	472	520	566	614	662	714	762
4 1/2"	194	216	238	260	282	304	328	350	388	432	478	520	564	608	656	700
4"	176	195	215	234	254	274	295	315	352	380	430	468	508	548	590	630
3 1/2"	156	173	190	207	224	242	261	279	316	346	380	414	448	484	522	568
3"	139	154	170	185	200	216	233	248	278	308	340	370				
2 1/2"	121	134	147	160	173	186	200	214								
2"	102	112	123	134	145	156	168	179								
1 1/2"	83	92	101	110	119	128	138	147								
1"	65	72	79	88	93	100	108	116								

WEIGHTS SHOWN ON CHART GIVE APPROXIMATE POUNDS PER ACRE AT STANDARD 60 FT. SWATH. HEAVY MATERIALS WILL SPREAD MORE THAN 60FT. LIGHT MATERIALS WILL SPREAD LESS THAN 60FT.

* TO SET RATES FOR SWATH WIDTH OTHER THAN 60 FT; MULTIPLY DESIRED RATE BY NEW SWATH AND DIVIDE BY 60. LOCATE CALCULATED RATE IN CHART & USE GATE SETTING INDICATED.

TO SET GATE INDICATOR, CLOSE GATE TO 1/8" ABOVE CONVEYOR, SET POINTER ON NO. 1 AND TIGHTEN LOCK NUTS.

Replace if damaged or defaced-P/N 160-3-4751

FORM 2288

DECALS



160-3-5461

TIRE SIZE:																	
19L X 16.1		(402)806-4800 Beatrice, Nebraska															
16.5L X 16.1																	
		RATE CHART															
		POUNDS PER ACRE - 60' SWATH															
GATE INCHES		LOW RATE								HIGH RATE							
		POUNDS PER CUBIC FOOT								POUNDS PER CUBIC FOOT							
		45	50	55	60	65	70	75	80	45	50	55	60	65	70	75	80
OPEN																	
7"		173	192	211	230	250	269	288	307	432	480	528	574	620	670	720	768
6-1/2"		160	178	196	213	231	249	267	284	400	435	480	525	570	615	663	708
6"		150	166	183	200	216	233	250	266	375	418	460	498	540	582	628	658
5-1/2"		139	154	170	185	200	216	232	247	347	384	423	460	500	540	580	620
5"		128	142	156	170	185	199	213	228	320	354	390	424	460	497	535	572
4-1/2"		117	130	143	156	169	182	194	208	291	324	357	390	423	456	492	525
4"		105	117	128	140	152	163	175	187	264	293	322	351	381	411	442	472
3-1/2"		94	104	115	125	136	146	157	167	234	260	285	310	335	363	392	419
3"		84	93	103	112	121	130	140	149	209	231	255	278	300	324	350	372
2-1/2"		73	81	89	97	105	113	122	130	181	200	221	241	260	281	303	322
2"		62	69	78	82	90	96	103	110	153	169	187	204	220	237	256	273

WEIGHTS SHOWN ON CHART WILL GIVE APPROXIMATE POUNDS PER ACRE AT STANDARD 60 FT. SWATH.
HEAVY MATERIALS WILL SPREAD MORE THAN 60FT. LIGHT MATERIALS WILL SPREAD LESS THAN 60FT.

*TO SET RATES FOR SWATH WIDTH OTHER THAN 60FT. : MULTIPLY DESIRED RATE BY NEW SWATH
AND DIVIDE BY 60. LOCATE CALCULATED RATE IN CHART & USE GATE SETTING INDICATED.

TO SET INDICATOR, CLOSE GATE TO 7/8" ABOVE CONVEYOR. SET POINTER ON NO. 2 AND TIGHTEN LOCK NUTS.

REPLACE DECAL IF DAMAGED OR DEFACED. P/N: 160-3-5461

185-3-0010



185-3-0029



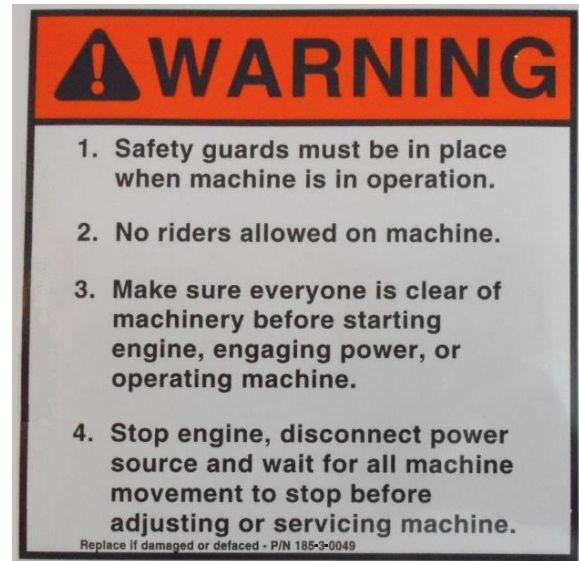
DECALS



185-3-0048



185-3-0049



185-3-0059



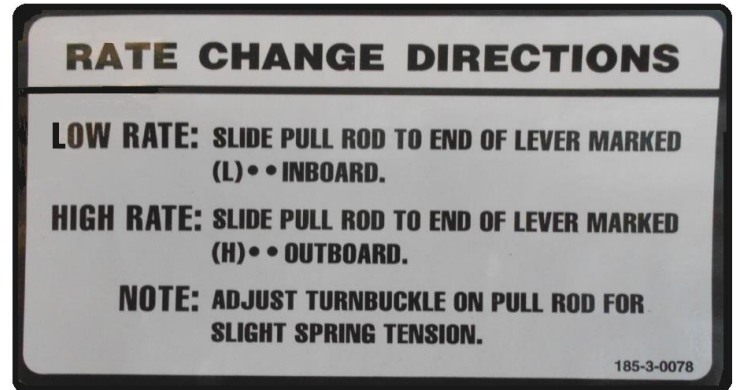
DECALS



185-3-0070

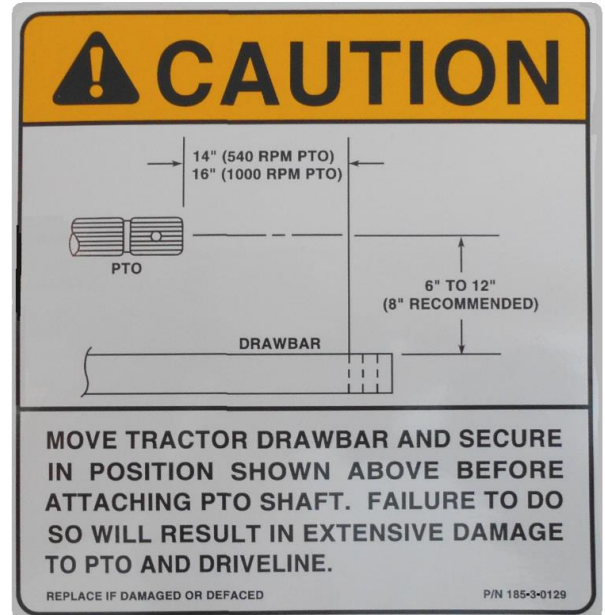


185-3-0078



185-3-0129

185-3-0079



DECALS



185-3-0130

SPREAD PATTERN ADJUSTMENT

ADJUSTING LEVERS MUST BE IN MATCHING HOLES - 1-1, 2-2, 3-3, ETC. TO CHECK THE CHUTE FOR PROPER ALIGNMENT, SET LEVERS IN HOLE SET 5 5. TABS MUST ALIGN WITH CALIBRATION MARKS 5-5.

LOCK BOLT

NOTE

IF DESIRED, LEVERS CAN BE LOCKED IN ANY POSITION BY INSERTING LOCK BOLT THROUGH UPPER HOLES

LOCKED POSITION

FREE POSITION

PATENT PENDING

THE CHUTE ADJUSTMENT CONTROLS THE RIGHT/LEFT PATTERN DISTRIBUTION.

1. **CAUTION:** SPREADING CHARACTERISTICS WILL VARY WITH DIFFERENT TYPES OF FERTILIZER MATERIALS AT VARIOUS RATES - EVEN IDENTICAL MATERIALS OBTAINED FROM DIFFERENT PRODUCERS CAN PRODUCE WIDE VARIATIONS IN SPREAD PATTERNS. THEREFORE, FOR OPTIMUM SPREAD PATTERN RESULTS, WE RECOMMEND YOU TEST AND ADJUST THIS MACHINE FOR THE TYPE OF MATERIALS AND RATES YOU WILL BE USING, AS INDICATED IN THESE INSTRUCTIONS.
2. WITH ANY GIVEN MATERIAL, THE BEST SETTING WILL MOVE TOWARD LOWER NUMBERS AS THE RATE PER ACRE INCREASES AND VICE VERSA.
3. WITH PLOW DOWN BLENDS, USE THE FOLLOWING SUGGESTED SETTINGS AS A STARTING POINT, AND CORRECT AS NECESSARY:
 150 to 300 LBS/ACRE - SETTING "6"
 300 to 450 LBS/ACRE - SETTING "5"
 450 to 600 LBS/ACRE - SETTING "4"
 (SEE INSTRUCTIONS IN ILLUSTRATIONS BELOW.)
4. WITH STRAIGHT UREA, USE THE FOLLOWING SUGGESTED SETTINGS AS A STARTING POINT, AND CORRECT AS NECESSARY:
 40 to 80 LBS/ACRE - SETTING "8"
 80 to 100 LBS/ACRE - SETTING "7"
 100 to 220 LBS/ACRE - SETTING "6"
 (SEE INSTRUCTIONS IN ILLUSTRATIONS BELOW.)
5. **IMPORTANT:**
 (A) DRIVE ON 60 FT. CENTERS.
 (B) MAINTAIN 810 SPINNER RPM! DOUBLE CHECK....
 CHECK TRACTOR THROTTLE AND PTO PULLEYS (PTO UNITS), FORWARD TRAVEL SPEED (GROUND-DRIVEN UNITS) OR ENGINE THROTTLE SETTING (ENGINE-DRIVEN UNITS) SO AS TO MAINTAIN CORRECT SPINNER RPM.

PATTERN HEAVY LEFT OF CENTERLINE

IF PATTERN IS HEAVY ON THE LEFT SIDE, MOVE CHUTE ADJUSTMENT LEVERS TO A HIGHER SET OF NUMBERS.

PATTERN HEAVY RIGHT OF CENTERLINE

IF PATTERN IS HEAVY ON THE RIGHT SIDE, MOVE CHUTE ADJUSTMENT LEVERS TO A LOWER SET OF NUMBERS.

Replace if damaged or defaced - P/N 185-3-0130

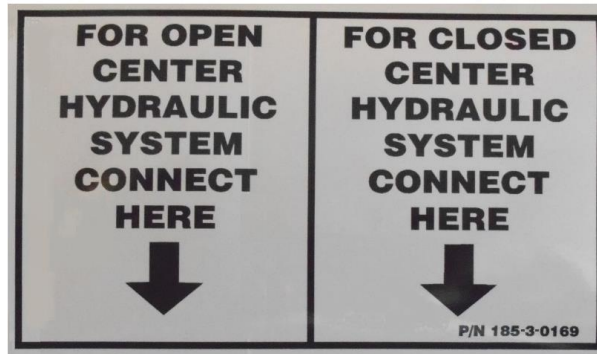
DECALS



185-3-0140



185-3-0169

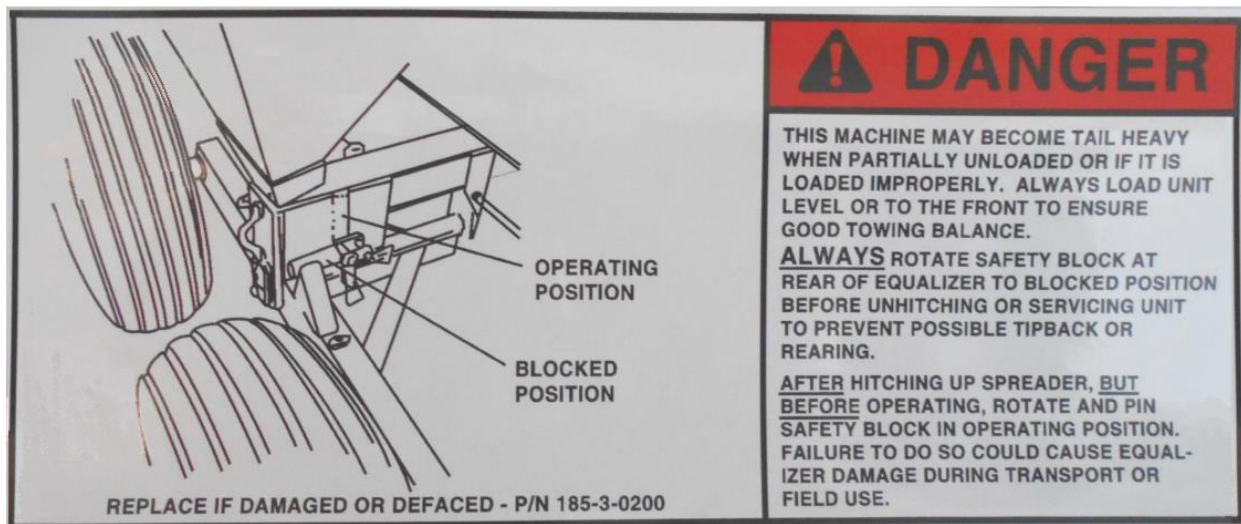


185-3-0279

185-3-0175



185-3-0200



DECALS



185-3-0292

⚠ WARNING

PROPER SETTING OF ALL AXLE SPACERS, AXLE STOP, AND LIVE AXLE DRIVE EXTENSION IS REQUIRED. FAILURE TO DO SO CAN RESULT IN DAMAGE TO EQUIPMENT AND/OR DEATH OR SERIOUS INJURY.

DRY FERTILIZER ADJUSTABLE TRACK APPLICATOR
ADJUSTABLE TRACK SETTINGS

TRACK SPACING	ADJUSTABLE TRACK SPACER		AXLE STOP	LIVE AXLE DRIVE EXTENSION	
	OUTER	INNER		STANDARD	HALF RATE
60"	4" & 5"	NONE	INNER	NONE	NONE
68"	5"	4"	INNER	NONE	4"
70"	4"	5"	OUTER	NONE	4"
78"	NONE	4" & 5"	OUTER	2"	6"

REPLACE IF DAMAGED OR DEFACED. 185-3-0292

185-3-0319

CLIPPER - 200S

185-3-0319

185-3-0320

CLIPPER - 250S

185-3-0320

185-3-0321



185-3-0321

185-3-0322

185-3-0326



(402)806-4800 Beatrice, Nebraska

185-3-0322



Thank You For Your Business!