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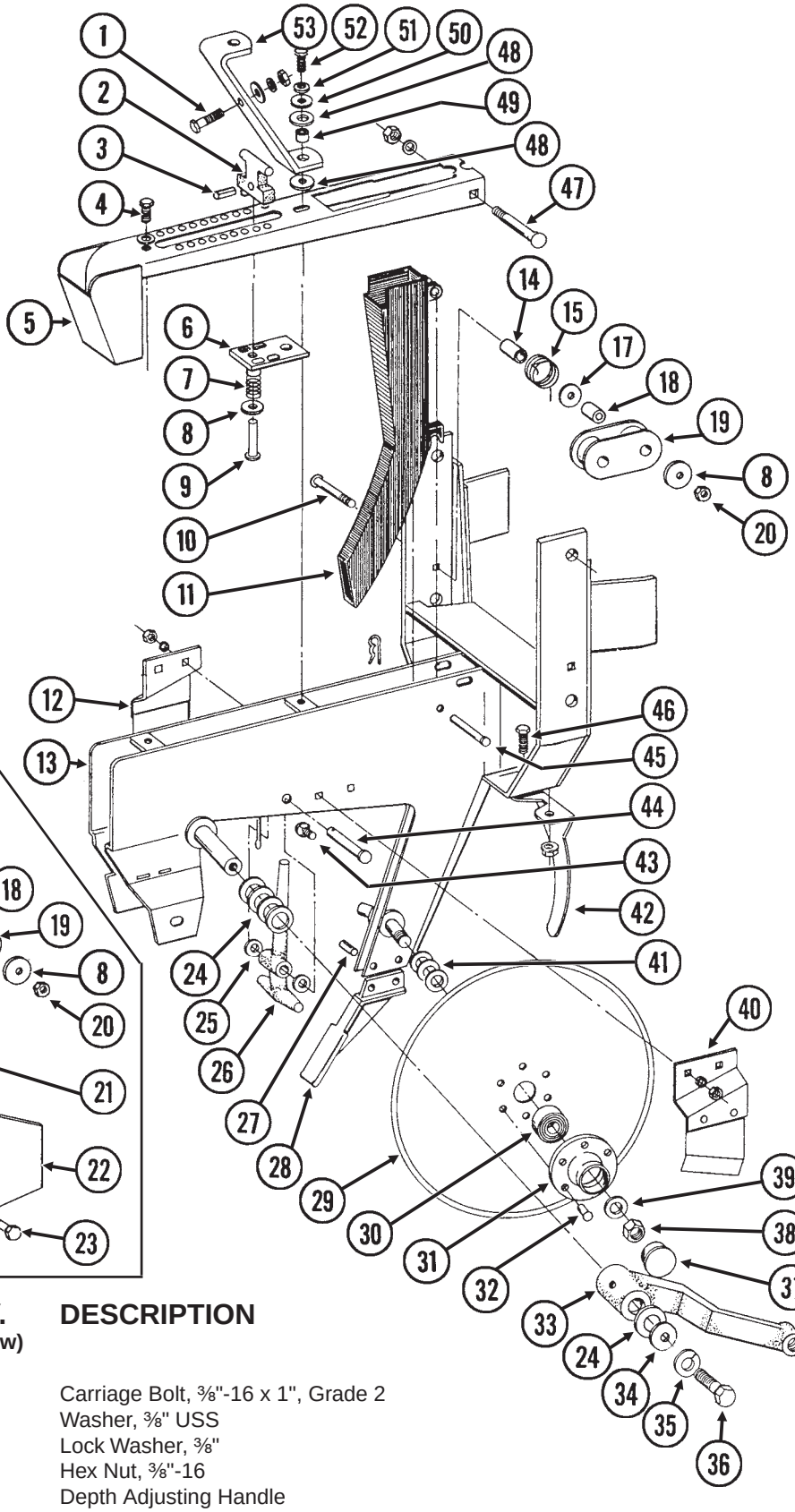
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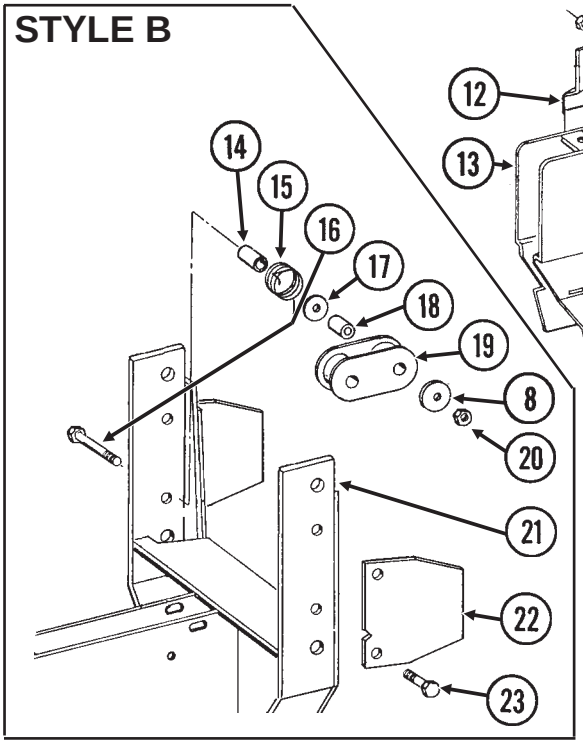
SHANK ASSEMBLY

RUB006/RUA044(RU1c/RU1d)

STYLE A



STYLE B



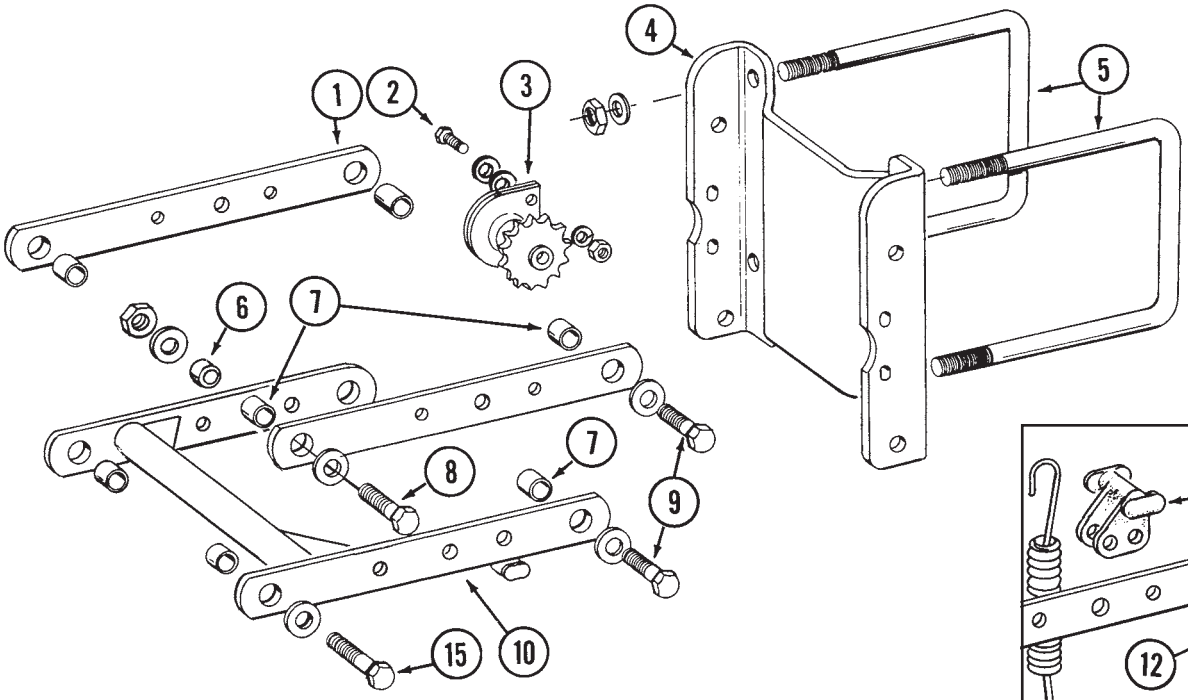
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	G10305	2	Carriage Bolt, ⅜"-16 x 1", Grade 2
	G10210	2	Washer, ⅜" USS
	G10229	2	Lock Washer, ⅜"
	G10101	2	Hex Nut, ⅜"-16
2.	GB0102	1	Depth Adjusting Handle
3.	G10605	1	Spring Pin, 5⁄32" x ¾"
4.	G10001	1	Hex Head Cap Screw, ⅜"-16 x 1"
	G10229	1	Lock Washer, ⅜"
5.	GA0811	1	Shank Cover
6.	GB0105	1	Depth Adjusting Slide

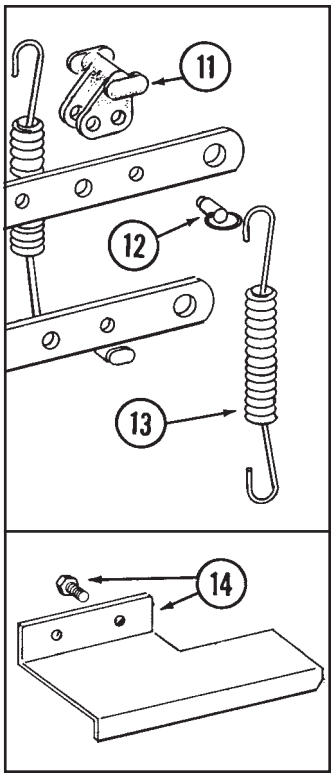
SHANK ASSEMBLY

ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
7.	GD1066	1	Compression Spring
8.	G10210	1	Washer, 3/8" USS
9.	G10552	1	Clevis Pin, 3/8" x 2"
10.	G10307	1	Carriage Bolt, 3/8"-16 x 3 1/2", Grade 2
11.	GD1130	-	Seed Tube, Regular
	GA5880	-	Seed Tube W/High Rate Sensor
	GR1062	-	Seed Tube (With Holes For High Rate Sensor Installation)
	GR1087	-	Sensor Only (For GA5880)
12.	GA2012L	1	Disc Scraper, L.H.
13.	GA0860	1	Shank **(Sub G1K272)**
14.	GD7318	1	Bushing, 1"
15.	GD1065	1	Idler Spring
16.	G10326	1	Hex Head Cap Screw, 3/8"-16 x 3 3/4"
17.	G10201	1	Special Washer
18.	GD1026	1	Spacer, 1 3/16"
19.	GD9240	1	Idler
20.	G10108	1	Lock Nut, 3/8"-16
21.	GA1306	1	Shank
22.	GD10867	2	Stop
23	G10004	3	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10229	3	Lock Washer, 3/8"
	G10101	3	Hex Nut, 3/8"-16
24.	G10526	-	Spacer Washer, .048" Gauge (As Required)
25.	G10206	2	Washer, 1/2" SAE
26.	GB0104	1	Depth Adjusting Stop
27.	G10814	2	Spring Pin, 1/4" x 7/8"
28.	GB0103	1	Seed Tube Guard/Inner Scraper
29.	GD1030	2	Disc, 15"
30.	GA2014	2	Bearing
31.	GD10473	2	Housing
32.	G10427	12	Rivet, 1/4" x 1/2"
33.		-	See “Gauge Wheel”, Page P5
34.	G10216	2	Washer, 1/2" USS
35.	G10228	2	Lock Washer, 1/2"
36.	G10014	2	Hex Head Cap Screw, 1/2"-13 x 1"
37.	GD6533	2	Dust Cap
38.	G10503	1	Jam Nut, 5/8"-11, R.H.
	G10504	1	Jam Nut, 5/8"-11, L.H.
39.	G10204	2	Machine Bushing, 21/32"
40.	GA2012R	1	Disc Scraper, R.H.
41.	G10213	-	Machine Bushing, .030" Gauge (As Required)
42.	GD1033	1	Shield
43.	G10328	4	Hex Head Cap Screw, 3/8"-16 x 5/8"
	G10622	4	Flange Nut, 3/8"-16
44.	G10555	1	Clevis Pin, 1/2" x 2 1/2"
	G10451	1	Cotter Pin, 1/8" x 1"
45.	G10551	1	Clevis Pin, 1/4" x 2 1/2"
	G10669	1	Hair Pin Clip, No. 22
46.	G10312	2	Carriage Bolt, 5/16"-18 x 3/4", Grade 2
	G10620	2	Flange Nut, 5/16"-18
47.	G10304	1	Carriage Bolt, 3/8"-16 x 3", Grade 2
	G10108	1	Lock Nut, 3/8"-16
48.	GD1120	2	Rubber Washer
49.	GD1110	1	Bushing, 1/2"
50.	G10208	1	Special Washer, 13/32"
51.	G10229	1	Lock Washer, 3/8"
52.	G10003	1	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
53.	GD1027	1	Stabilizer Bracket
A.	GA2013	-	Disc And Bearing Assembly, Less Bearing Cap (Items 29-32)
B.	G1K212	-	Meter Drive Idler Kit (Items 8 And 14-20)
C.	G1K272	-	Row Unit Shank Replacement Kit (Items 16 And 20-23)

PARALLEL ARMS, MOUNTING SUPPORT PLATE AND QUICK ADJUSTABLE DOWN FORCE SPRINGS

RUB007/RUB015/RUB016/RUB013/RUB019/RUB020(RU2a/RU3/RU4)

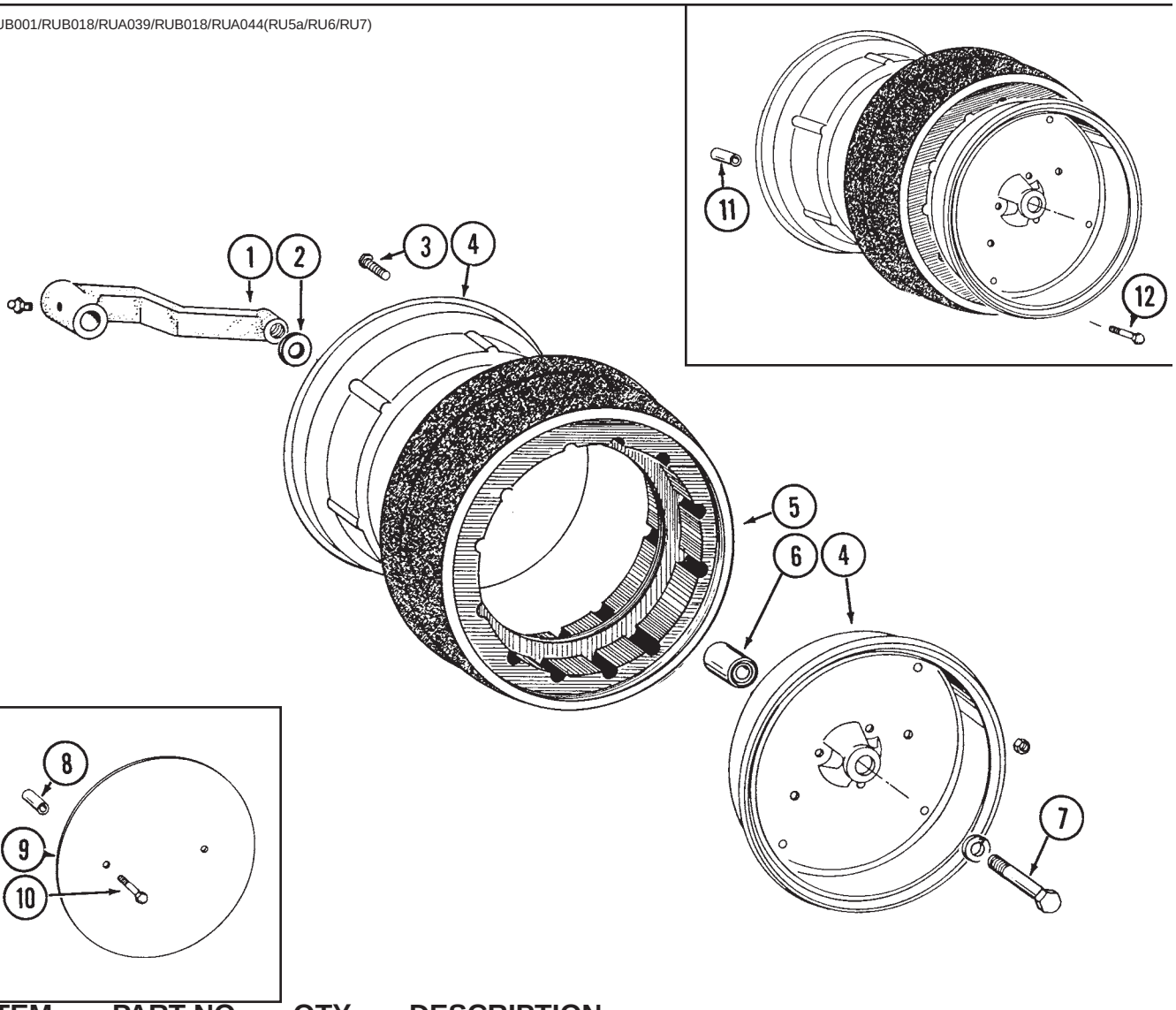




ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GD7619	2	Upper Parallel Arm
2.	G10004	2	Hex Head Cap Screw, ⅜"-16 x 1 ¼"
	G10210	-	Washer, ⅜" USS (As Required)
	G10229	2	Lock Washer, ⅜"
	G10101	2	Hex Nut, ⅜"-16
3.	GA1720	1	Bearing/Sprocket, ⅞" Bore
4.	GD10036	1	Mounting Support Plate
5.	GD1114	2	U-Bolt, 7" x 7" x ⅝"-11
	G10177	-	Hex Head Cap Screw, ⅝"-11 x 9 ½"
	G10230	4	Lock Washer, ⅝"
	G10104	4	Hex Nut, ⅝"-11
6.	GD1109	2	Pivot Bushing, ¼"
7.	GB0218	8	Bushing, 19⁄32"
8.	G10752	2	Hex Head Cap Screw, ⅝"-18 x 2 ¼"
	GD7805	4	Special Washer
	G10412	2	Lock Nut, ⅝"-18
9.	G10732	4	Hex Head Cap Screw, ⅝"-18 x 2"
	GD7805	4	Special Washer
	G10412	4	Lock Nut, ⅝"-18
10.	GA5651	1	Lower Parallel Arm
11.	GB0186	2	Spring Anchor
12.	G10545	2	Detent Pin, 1" Grip
13.	GD8249	-	Spring
14.	G7192X	-	Chain Shield Package With Hardware
	G10037	-	Hex Head Cap Screw, ½"-13 x 1 ¼"
	G10228	-	Lock Washer, ½"
	G10102	-	Hex Nut, ½"-13
15.	G10751	2	Hex Head Cap Screw, ⅝"-18 x 1 ¾"
	GD7805	2	Special Washer
	G10412	2	Lock Nut, ⅝"-18

GAUGE WHEEL

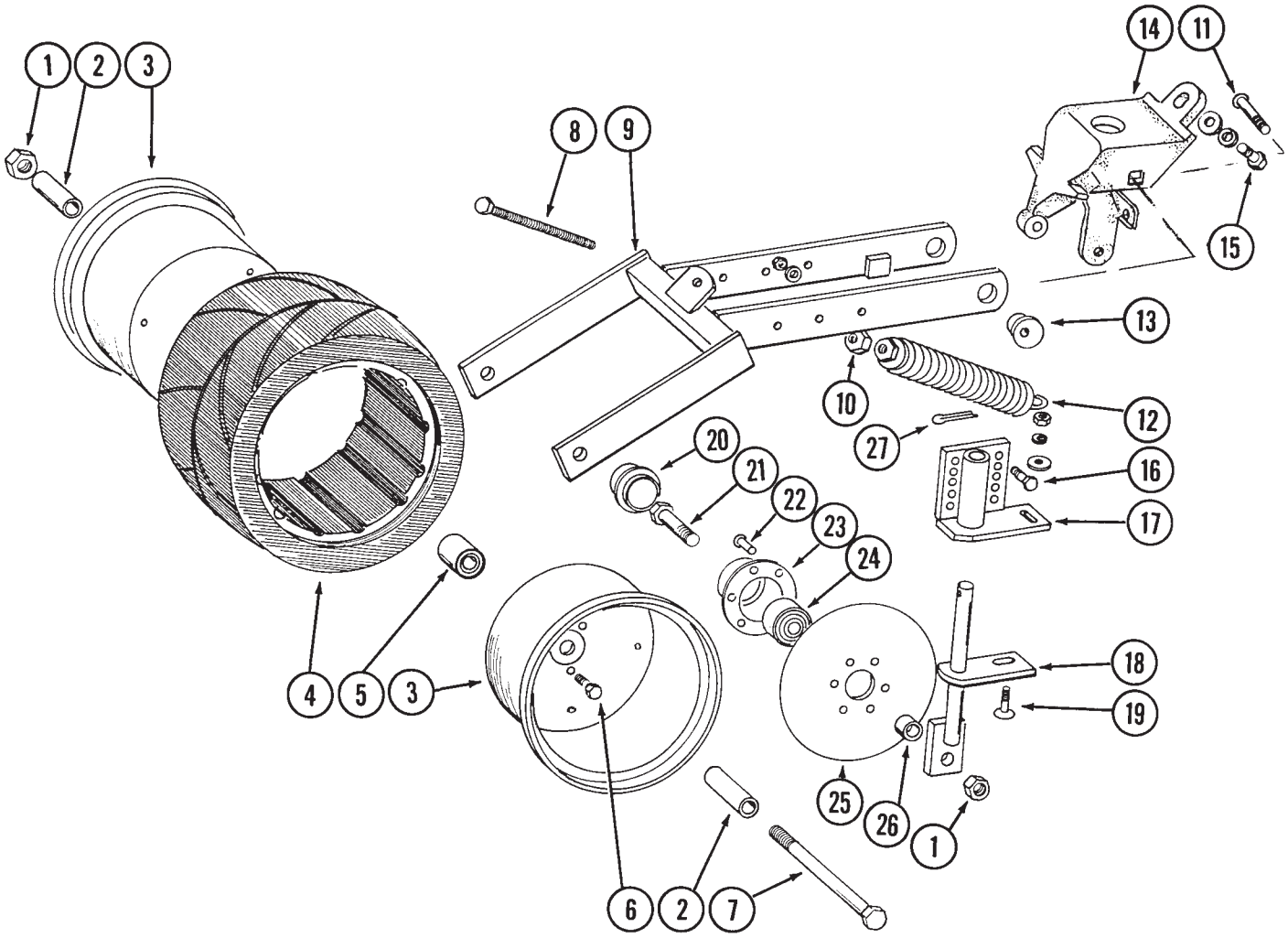
RUB001/RUB018/RUA039/RUB018/RUA044(RU5a/RU6/RU7)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GA6614	2	Wheel Arm With Grease Fitting
	G10640	2	Grease Fitting, ¼"-28
2.	G10204	1	Machine Bushing, 21/32"
3.	G10018	14	Hex Head Cap Screw, 5/16"-18 x 5/8"
	G10109	14	Lock Nut, 5/16"-18
4.	GD1048	4	Half Wheel
5.	GD1086	2	Tire
6.	GA6171	2	Bearing
7.	G10010	2	Hex Head Cap Screw, 5/8"-11 x 3"
	G10230	2	Lock Washer, 5/8"
8.	GD0973	4	Wheel Cover Sleeve, 1 ½" (Optional)
9.	GD1353	2	Wheel Cover (Optional)
10.	G10069	4	Hex Head Cap Screw, 5/16"-18 x 2 ¼"
	G10232	4	Lock Washer, 5/16"
	G10106	4	Hex Nut, 5/16"-18
11.	GD8811	8	Dual Gauge Wheel Sleeve, 4 ⅛" (Optional)
12.	G10764	8	Hex Head Cap Screw, 5/16"-18 x 5"
	G10109	8	Lock Nut, 5/16"-18
A.	GA6615	-	Gauge Wheel Complete (Items 3-6)

COVERING DISCS/SINGLE PRESS WHEEL

RUA042/RUA044(RU8)

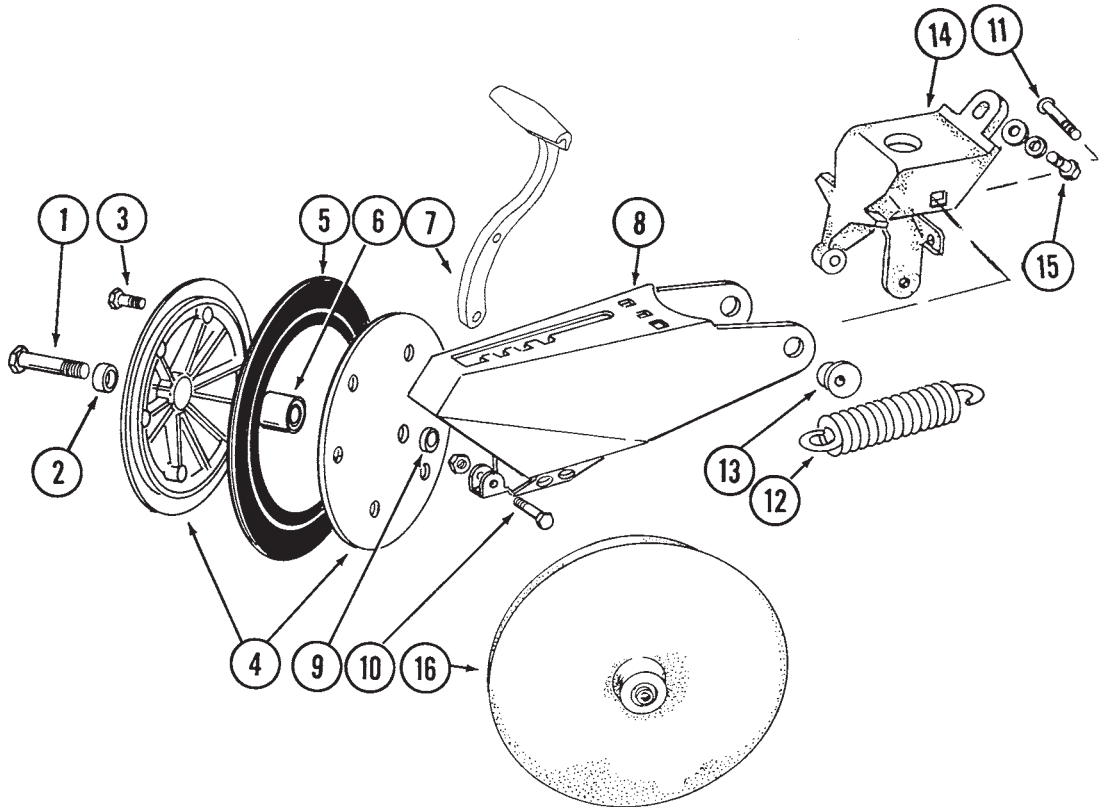


COVERING DISCS/SINGLE PRESS WHEEL

ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	G10107	3	Lock Nut, 5/8"-11
2.	GD3181-12	2	Spacer, 2 7/8"
3.	GD9562	2	Half Wheel
4.	GD9305	1	Tire
5.	GA6171	1	Bearing
6.	G10018	7	Hex Head Cap Screw, 5/16"-18 x 5/8"
	G10109	7	Lock Nut, 5/16"-18
7.	G10152	1	Hex Head Cap Screw, 5/8"-11 x 9"
8.	G10015	1	Adjusting Bolt, 1/2"-13 x 5"
9.	GA6619	1	Mounting Arm
10.	G10102	1	Hex Nut, 1/2"-13
11.	G10801	2	Carriage Bolt, 1/2"-13 x 2 1/4"
	G10315	-	Carraige Bolt, 1/2"-13 x 2 1/2"
	G10216	2	Washer, 1/2" USS
	G10102	2	Hex Nut, 1/2"-13
12.	GA2054	1	Spring
13.	GB0239	2	Eccentric Bushing
14.	GB0233	1	Wheel Arm Stop
15.	G10003	1	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
	G10229	1	Lock Washer, 3/8"
	G10210	2	Washer, 3/8" USS
16.	G10171	4	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
	G10232	4	Lock Washer, 5/16"
	G10106	4	Hex Nut, 5/16"-18
17.	GA6620	2	Bracket
18.	GA6618	2	Mount
19.	G10303	2	Carriage Bolt, 5/16"-18 x 1"
	G10219	2	Washer, 5/16" USS
	G10232	2	Lock Washer, 5/16"
	G10106	2	Hex Nut, 5/16"-18
20.	GD6533	2	Cap
21.	G10006	2	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
22.	G10427	12	Rivet, 1/4" x 1/2"
23.	GD10473	2	Bearing Housing
24.	GA2014	2	Bearing
25.	GD9290	2	Blade, 8" Diameter
26.	GD1109	2	Spacer, 1/4"
27.	G10463	2	Cotter Pin, 1/4" x 1 1/2"
A.	GA6733	-	Single Press Wheel Complete With Bearing (Items 3-6)
B.	GA6801	-	Covering Disc Complete With Bearing (Items 22-25)

“V” CLOSING WHEELS

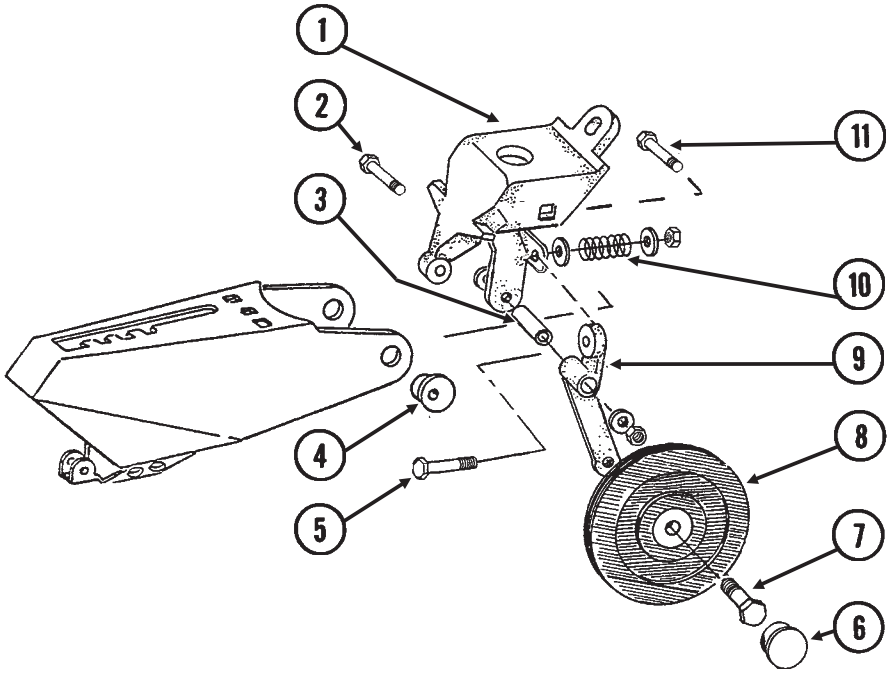
RUB004/RUA044/RUA046(RU9)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	G10013	2	Hex Head Cap Screw, 5/8"-11 x 3 1/2"
	G10107	2	Lock Nut, 5/8"-11
2.	GB0218	2	Bushing, 19/32"
3.	G10064	6	Hex Head Cap Screw, 1/4"-20 x 1"
	G10103	6	Hex Nut, 1/4"-20
4.	GD9120	4	Nylon Half Wheel
5.	GD1085	2	Rubber Tire, 1" x 12"
6.	GA6171	2	Bearing
7.	GB0254	1	Lever
8.	GA6613	1	Arm
9.	GD1109	2	Bushing, 1/4"
10.	G10133	1	Hex Head Cap Screw, 5/16"-18 x 1 1/2"
	G10109	1	Lock Nut, 5/16"-18
11.	G10747	2	Carriage Bolt, 1/2"-13 x 2"
	G10111	2	Lock Nut, 1/2"-13
12.	GD8460	1	Spring
13.	GB0219	2	Eccentric Bushing
14.	GB0233	1	Wheel Arm Stop
15.	G10003	1	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
	G10229	1	Lock Washer, 3/8"
	G10210	2	Washer, 3/8" USS
16.	GA6597	-	Cast Iron Closing Wheel W/Bearing
	GA6171	-	Bearing
A.	GA6434	-	Rubber Closing Wheel Complete With Bearing (Items 3-6)

SEED FIRMING WHEEL

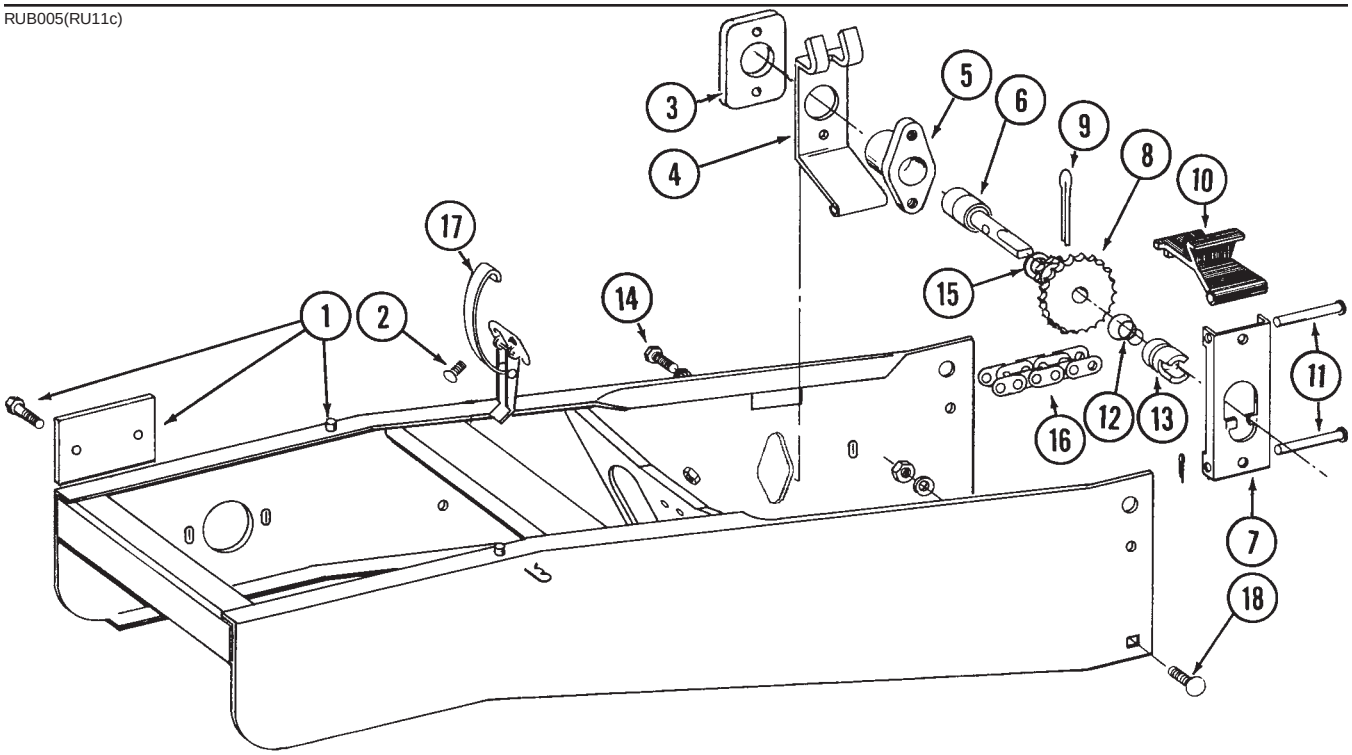
RUB006/RUA044(RU10b)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GB0233	1	Wheel Arm Stop
2.	G10049	1	Hex Head Cap Screw, ⅜"-16 x 2 ½"
	G10210	2	Washer, ⅜" USS
	G10108	1	Lock Nut, ⅜"-16
3.	GD9786	1	Bushing
4.	GB0219	2	Eccentric Bushing
5.	G10062	1	Hex Head Cap Screw, ⅜"-16 x 3"
	G10210	2	Washer, ⅜" USS
	G10108	1	Lock Nut, ⅜"-16
6.	GD1079	1	Dust Cap
7.	G10055	1	Hex Head Cap Screw, ⅝"-11 x 1 ¼"
8.	GA7580	1	Seed Firming Wheel W/Bearing And Snap Ring
	GA2014	-	Bearing
	G10770	-	Snap Ring
9.	GB0245	1	Arm
10.	GD9787	1	Spring
11.	G10747	2	Carriage Bolt, ½"-13 x 2"
	G10111	2	Lock Nut, ½"-13
A.	GA6937	-	Seed Firming Wheel Retrofit Package (Items 1-11)

HOPPER SUPPORT AND METER DRIVE

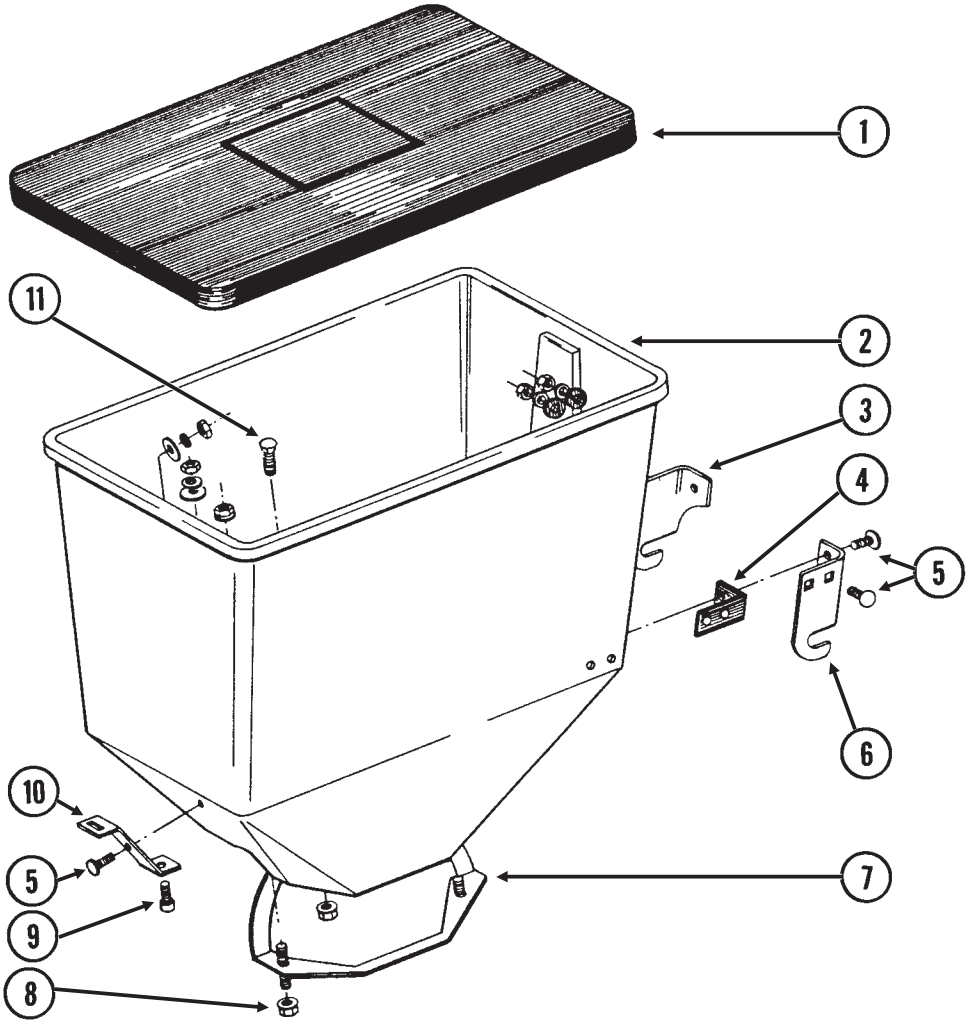
RUB005(RU11c)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GR1066	1	Hopper Support W/Cover And Hardware
	GD7618	1	Cover
	G10312	2	Carriage Bolt, 5/16"-18 x 3/4"
	G10620	2	Flange Nut, 5/16"-18
2.	G10309	2	Carriage Bolt, 1/4"-20 x 5/8", Grade 2
	G10621	2	Flange Nut, 1/4"-20
3.	GD2128	1	Plate
4.	GD1037	1	Bearing Support
5.	GB0108	1	Bearing Housing
6.	GA2016	1	Bearing
7.	GD1036	1	Drive Release Lever
8.	GB0107	1	Sprocket, 11/19 Tooth
9.	G10457	1	Cotter Pin, 5/32" x 1 1/2"
10.	GD1035	1	Release Handle
11.	G10553	2	Clevis Pin, 1/4" x 2 5/8"
	G10455	2	Cotter Pin, 1/16" x 1/2"
12.	GD10464	1	Compression Spring
13.	GB0243	1	Drive Coupler
14.	G10019	2	Hex Head Cap Screw, 5/16"-18 x 1"
	G10232	2	Lock Washer, 5/16"
15.	G10204	-	Machinery Bushing, 21/32" (As Required)
16.	G3303-98	1	Roller Chain, No. 41, 98 Links Including Connector Link
	G3303-16	-	Roller Chain, No. 41, 16 Links Including Connector Link (Used W/Row Unit Extension Brackets)
	GR0196	1	Connector Link, No. 41
17.	GA2007	1	Hopper Hold Down Latch
18.	G10305	1	Carriage Bolt, 3/8"-16 x 1", Grade 2
	G10004	-	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
A.	GA4822	-	Meter Drive Assembly Complete (Items 3-14)

SEED HOPPER

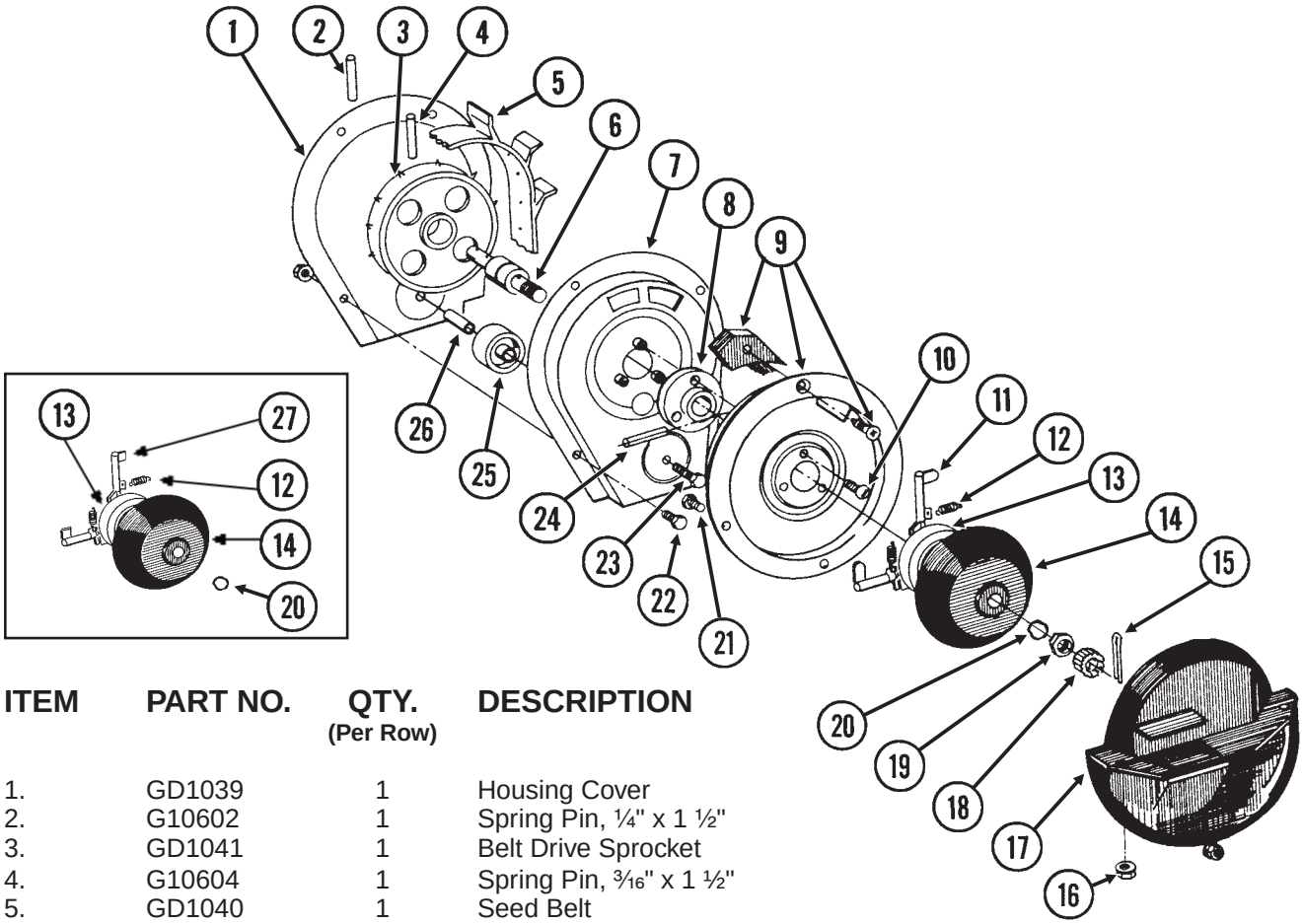
RUA015(RU12b)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GA2327	1	Lid With Clip
2.	GD1053	1	Seed Hopper
3.	GD1051L	1	Bracket, Left Hand
4.	GD1054	2	Mounting Pad
5.	G10310	7	Carriage Bolt, ¼"-20 x ¾", Grade 2
	GD1121	7	Rubber Washer
	G10209	7	Washer, ¼" USS
	G10110	7	Self Locking Nut, ¼"-20
6.	GD1051R	1	Bracket, Right Hand
7.	GA2027	1	Retainer
8.	G10620	4	Flange Nut, 5⁄16"-18
9.	G10520	1	Hex Socket Head Cap Screw, ⅜"-16 x ¾", Grade 8
	G10210	1	Washer, ⅜" USS
	G10229	1	Lock Washer, ⅜"
	G10101	1	Hex Nut, ⅜"-16
10.	GD1055	1	Clip
11.	G10310	1	Carriage Bolt, ¼"-20 x ¾", Grade 2
	G10621	1	Flange Nut, ¼"-20
A.	GA2058	-	Seed Hopper With Hardware, Less Lid (Items 2-11)

FINGER PICKUP SEED METER

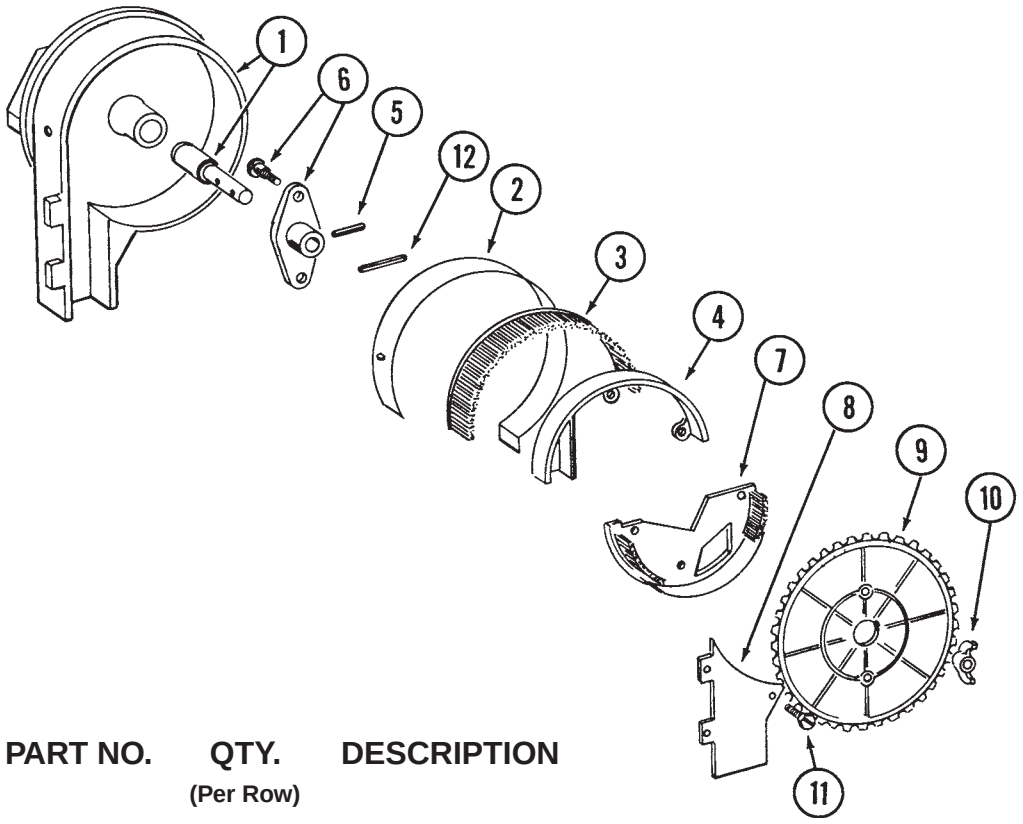
RUA015(RU13a/RU37b)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GD1039	1	Housing Cover
2.	G10602	1	Spring Pin, ¼" x 1 ½"
3.	GD1041	1	Belt Drive Sprocket
4.	G10604	1	Spring Pin, 3⁄16" x 1 ½"
5.	GD1040	1	Seed Belt
6.	GA2019	1	Bearing
7.	GA2018	1	Conveyor Housing
8.	GB0110	1	Bearing Housing
9.	GR0664	1	Carrier With Brush And Screw
	GA2020	-	Brush
	G10690	-	Rolling Thread Screw, No. 10 x ¾"
10.	G10401	3	Screw, No. 10-32 x ⅝"
11.	GD10733	12	Finger, Corn
12.	GD6501	12	Spring
13.	GB0111	1	Cam
14.	GD1045	1	Finger Holder
15.	G10470	1	Cotter Pin, 5⁄32" x 1"
16.	G10620	2	Flange Nut, 5⁄16"-18
17.	GD1046	1	Seed Baffle
18.	GD1083	1	Cover Nut, ⅝"-18
19.	G10500	1	Jam Nut, ⅝"-18 UNF
20.	GA8343	1	Wave Washer, ⅝" (Triple Wave)
21.	G10020	3	Hex Head Cap Screw, ¼"-20 x ⅝"
	G10323	3	Hex Flange Nut, ¼"-20
22.	G10022	4	Hex Head Cap Screw, ¼"-20 x ½"
	G10621	4	Flange Nut, ¼"-20
23.	G10021	1	Hex Head Cap Screw, ¼"-20 x 1 ½"
	G10621	1	Flange Nut, ¼"-20
24.	G10603	1	Spring Pin, ¼" x 1 ¼"
25.	GD1042	1	Idler
26.	GB0120	1	Bushing
27.	GD10226	12	Finger, Oil Sunflower
A.	GR0933	-	Finger Assembly, Corn (Items 11-14 And 20)
B.	GR1327	-	Finger Assembly, Oil Sunflower (Items 12-14, 20 And 27)

BRUSH-TYPE SEED METER

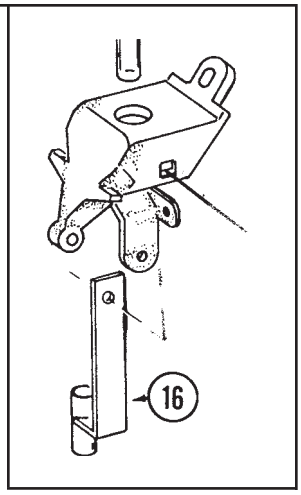
RUA037(RU14)

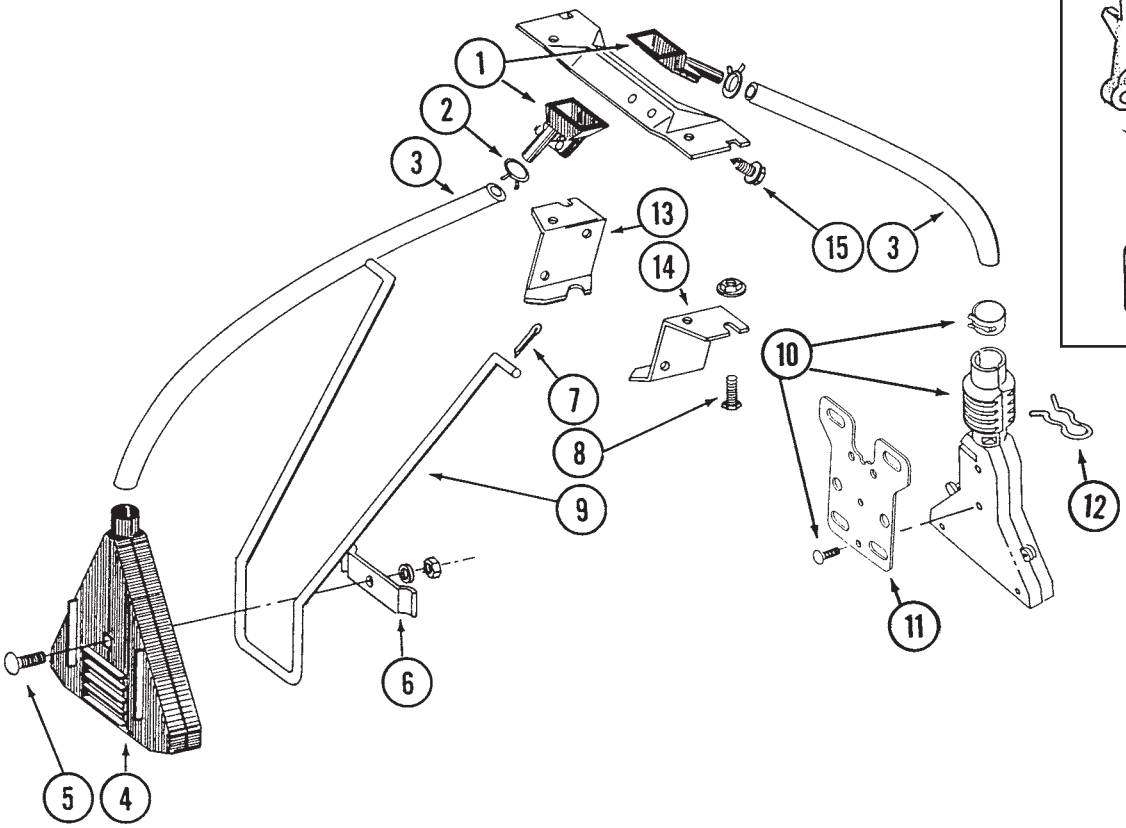


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GA6027	1	Housing W/Bearing
	GA5698	-	Bearing
2.	GD8778	1	Wear Strip
3.	GA5699	1	Upper Retaining Brush
4.	GD8237	1	Retaining Brush Holder
5.	G10603	1	Spring Pin, ¼" x 1 ¼"
6.	GA6038	1	Hub W/Shoulder Bolts
	GD1755	-	Shoulder Bolt, ¼"-20 (2 Used)
7.	GA5834	1	Lower Brush
8.	GD7878	1	Cover
9.	GA5794	-	Seed Disc, Soybean, 60 Cell, Black Color-Coded
	GA6184	-	Seed Disc, Specialty Soybean, 48 Cell, Dark Blue Color-Coded
	GA5982	-	Seed Disc, Small Milo/Grain Sorghum, 30 Cell, Red Color-Coded
	GA6187	-	Seed Disc, Large Milo/Grain Sorghum, 30 Cell, Light Blue Color-Coded
	GA5795	-	Seed Disc, High Rate Small Milo/Grain Sorghum, 60 Cell, Red Color-Coded
	GA6633	-	Seed Disc, High Rate Large Milo/Grain Sorghum, 60 Cell, Yellow Color-Coded
	GA5796	-	Seed Disc, Cotton, Acid-Delinted, 30 Cell, White Color-Coded
	GA6168	-	Seed Disc, Large Cotton, Acid-Delinted, 36 Cell, Tan Color-Coded
	GA6478	-	Seed Disc, High Rate Cotton, Acid-Delinted, 48 Cell, Light Green Color-Coded
	GA6182	-	Seed Disc, Hill-Drop Cotton, Acid-Delinted, 12 Cell, Brown Color-Coded
	GA7255	-	Seed Disc, Small Hill-Drop Cotton, Acid-Delinted, 12 Cell, Dark Green Color-Coded
10.	G10531	2	Nylon Insert Wing Nut, ¼"-20
11.	G10584	9	Slotted Tap Screw, No. 10-24 x ½"
12.	G10602	1	Spring Pin, ¼" x 1 ½"

GRANULAR CHEMICAL BANDERS

RUA013/RUA016/RUA044(RU16a/RU15)

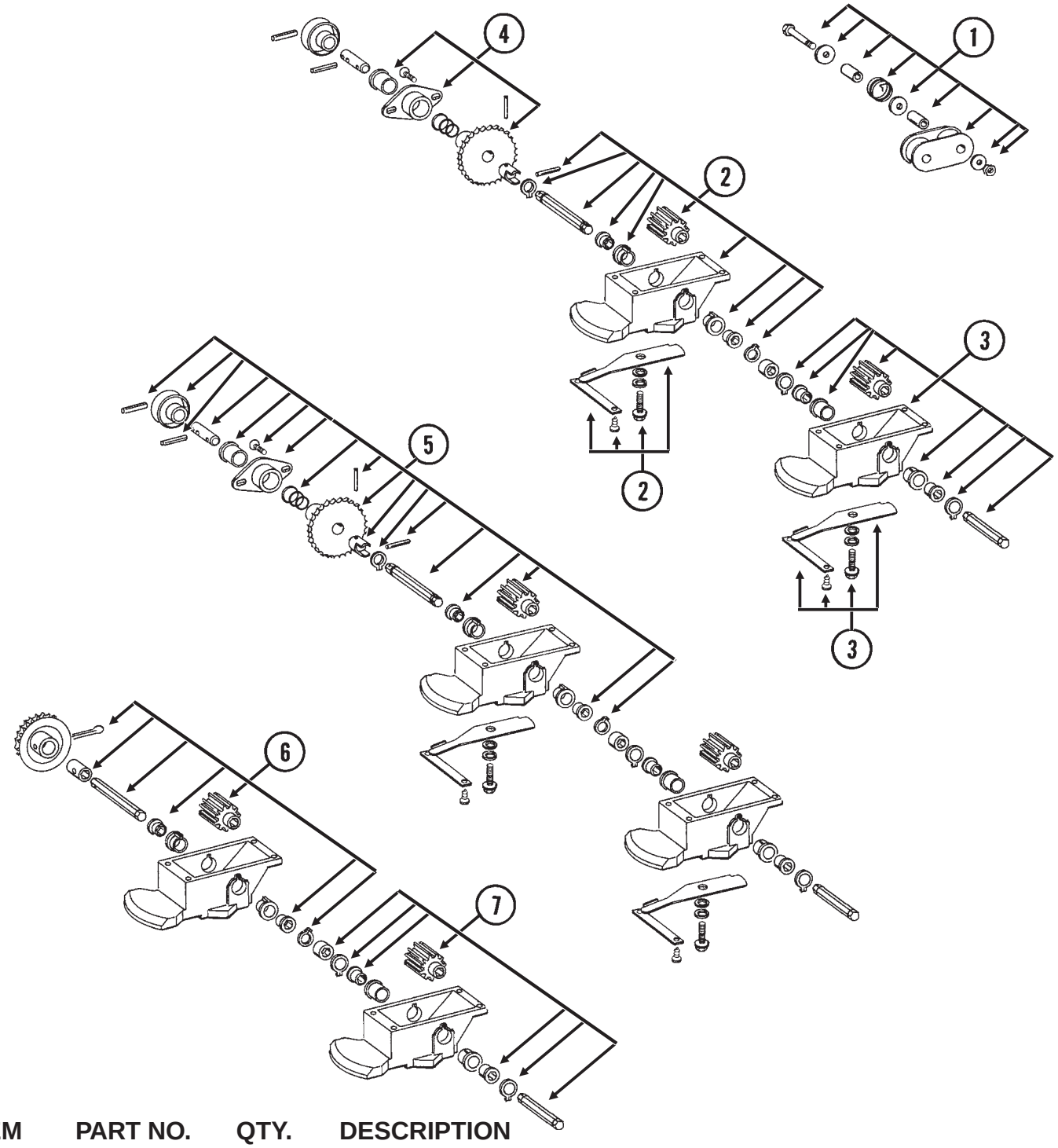




ITEM	PART NO.	QTY.	DESCRIPTION
1.	GD2423	-	Funnel
2.	G10680	-	Hose Clamp, 7⁄16"
3.	GD2947	-	Hose, 7⁄16" x 28"
4.	GA2075	-	Diffuser, 14" Band
5.	G10306	-	Carriage Bolt, 3⁄8"-16 x 2", Grade 2
	G10229	-	Lock Washer, 3⁄8"
	G10101	-	Hex Nut, 3⁄8"-16
6.	GD1118	-	Clamp
7.	G10452	-	Cotter Pin, 1⁄8" x 1⁄2"
8.	G10310	-	Carriage Bolt, 1⁄4"-20 x 3⁄4", Grade 2
	G10227	-	Lock Washer, 1⁄4"
	G10103	-	Hex Nut, 1⁄4"-20
9.	GD1116	-	Hanger
10.	GA6907	-	Slope-Compensating Bander W/Hardware (4 1⁄2" Band Width)
	G10864	-	Uni-Clamp
	G10757	2	Screw, No. 10-32 x 1 1⁄4"
	G10758	2	Hex Nut, No. 10-32
11.	GD9816	-	Bander Mounting Bracket (For Some Non-KINZE® Applications)
12.	GD1090	-	Spring Clip
13.	GD1115L	-	Hanger Bracket, L.H.
14.	GD1115R	-	Hanger Bracket, R.H.
15.	G10523	-	Self Tapping Screw, No. 10 x 1⁄2"
16.	GA6741	-	Bracket (Straight Drop In-Furrow)

GRANULAR CHEMICAL SUB-ASSEMBLIES AND KITS

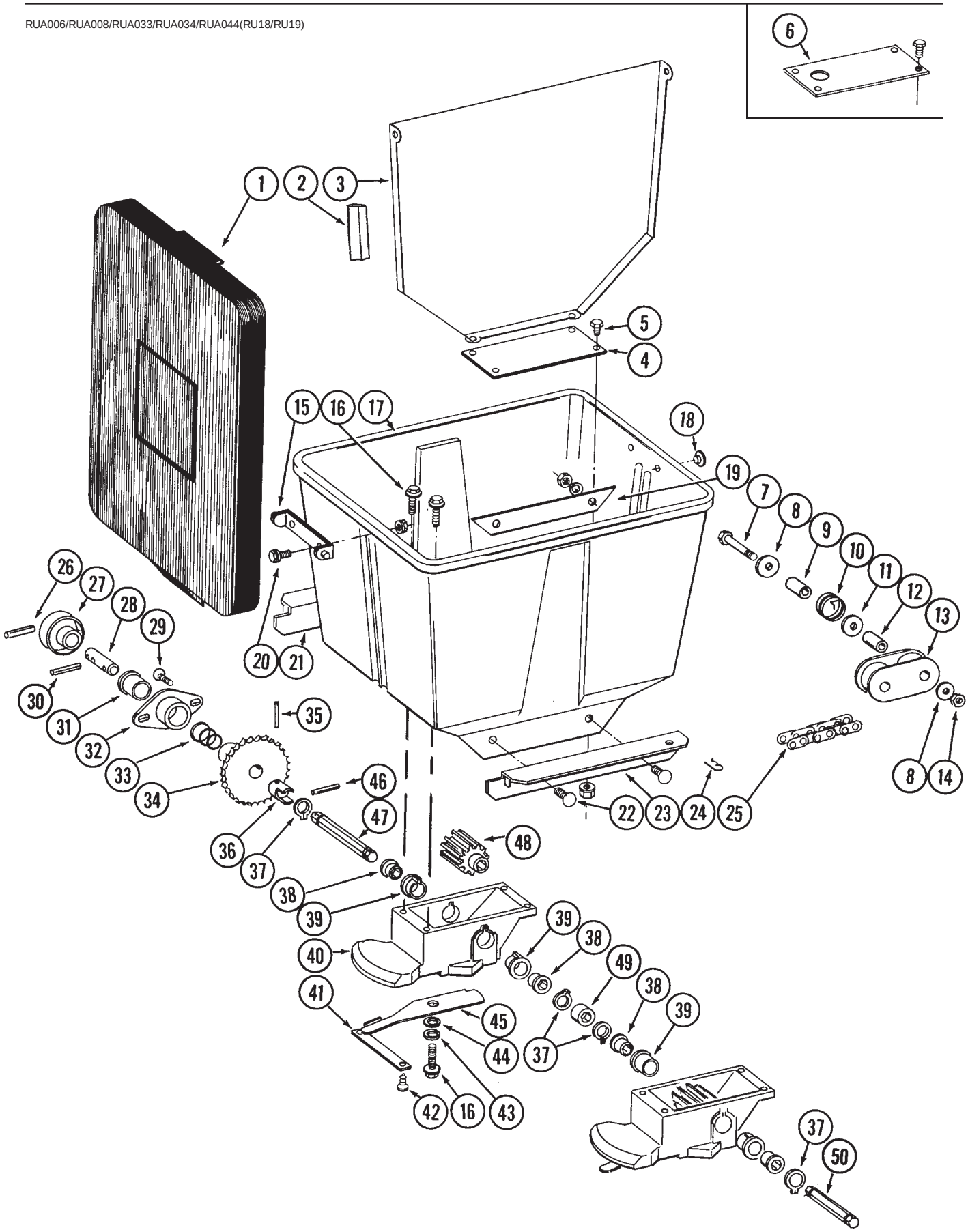
(RU65/RU66/RU67)



ITEM	PART NO.	QTY.	DESCRIPTION
1.	G1K213	1	Granular Chemical Idler Kit W/Instruction
2.	GA5553	1	Insecticide Housing Sub-Assembly
3.	GA5554	1	Herbicide Housing Sub-Assembly
4.	GA5746	1	Sprocket Sub-Assembly
5.	GA5623	1	Throwout Update Kit W/Instructions And Template
6.	GA5560	1	Primary Meter Roller Replacement Kit W/Instruction (Update For Non-Current Design)
7.	GA5561	1	Secondary Meter Roller Replacement Kit W/Instruction (Update For Non-Current Design)

GRANULAR CHEMICAL HOPPER WITH METER(S) & THROWOUT

RUA006/RUA008/RUA033/RUA034/RUA044(RU18/RU19)

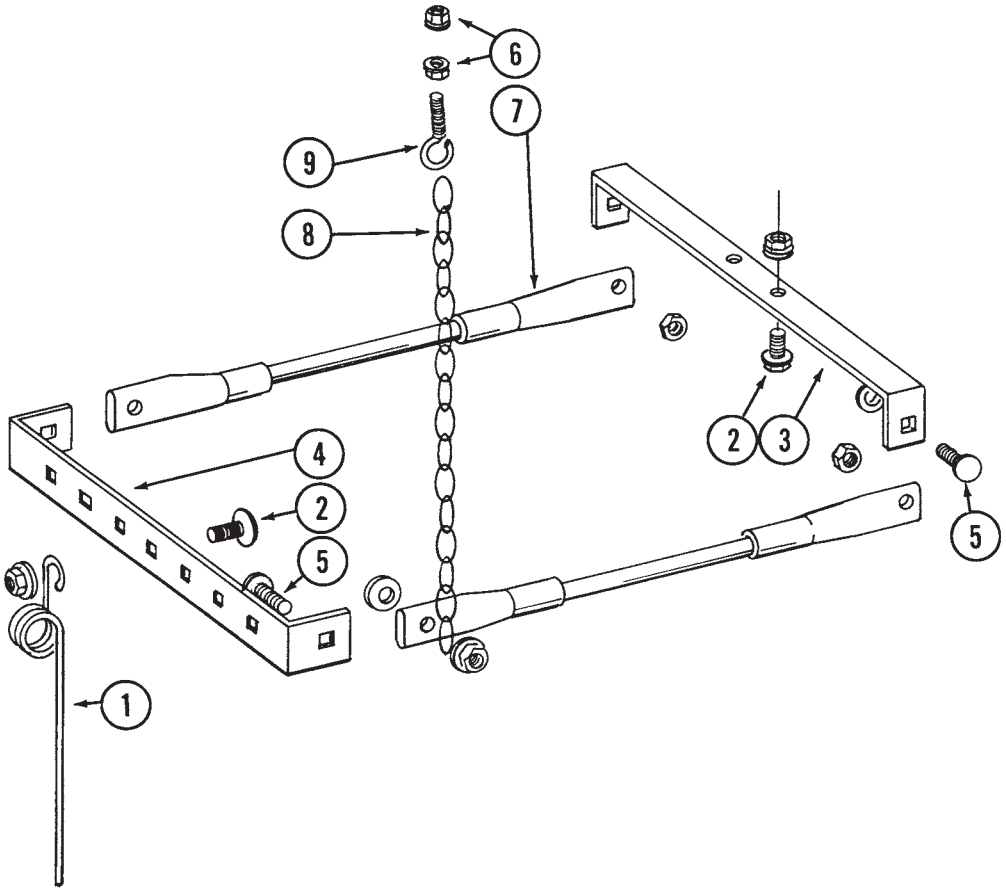


GRANULAR CHEMICAL HOPPER WITH METER(S) & THROWOUT

ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GA4444	1	Lid
2.	G3314-40	-	Foam Strip, 40"
3.	GA2076	1	Divider (Used With Two Meters)
4.	GD1056	-	Cover Plate (1 Used With One Meter)
5.	G10022	4	Hex Head Cap Screw, ¼"-20 x ½"
	G10621	4	Flange Nut, ¼"-20
6.	GD8750	-	Restrictor Plate (Optional)
7.	G10049	1	Hex Head Cap Screw, ⅜"-16 x 2 ½"
8.	G10210	2	Washer, ⅜" USS
9.	GD2971-10	1	Bushing, 9⁄16"
10.	GD11219	1	Spring
11.	G10201	1	Special Washer
12.	GD1026	1	Spacer, 1 3⁄16"
13.	GD9240	1	Idler
14.	G10108	1	Lock Nut, ⅜"-16
15.	GD1060	1	Hinge
16.	G10570	-	Self Tapping Screw, ¼" x ¾" (4 Used Per Meter)
17.	GD1058	1	Hopper
18.	GD1089	2	Plug
19.	GD1072	2	Strap
20.	G10023	2	Hex Head Cap Screw, ¼"-20 x ¾"
	G10621	2	Flange Nut, ¼"-20
21.	GD1059L	1	Support, L.H.
22.	G10311	4	Carriage Bolt, ⅜"-16 x ¾" Short Necked, Grade 2
	G10229	4	Lock Washer, ⅜"
	G10101	4	Hex Nut, ⅜"-16
23.	GD1059R	1	Support, R.H.
24.	G10670	2	Spring Locking Pin, No. 3
25.	G3303-114	1	Roller Chain, No. 41, 114 Pitch Including Connector Link
	GR0196	1	Connector Link, No. 41
26.	G10637	1	Spring Pin, ⅛" x 1 ½"
27.	GD11239	1	Knob
28.	GD7589	1	Throwout Pin
29.	G10312	2	Carriage Bolt, 5⁄16"-18 x ¾"
	G10620	2	Flange Nut, 5⁄16"-18
30.	G10602	1	Spring Pin, ¼" x 1 ½"
31.	GB0121	1	Bearing
32.	GB0183	1	Bearing Mount
33.	GD10464	1	Spring
34.	GA5533	1	Sprocket, 24 Tooth
35.	G10609	1	Spring Pin, 5⁄32" x 1"
36.	GB0184	1	Coupling
37.	G10567	1	Retaining Ring
38.	GD7258	-	Hex Bushing (2 Used Per Meter)
39.	GB0115	-	Bearing (2 Used Per Meter)
40.	GB0116	-	Granular Housing (1 Used Per Meter)
41.	GD1061	-	Support Strap (1 Used Per Meter)
42.	G10521	1	Self Tapping Screw, No. 10 x ⅜" (2 Used Per Meter)
43.	G10209	-	Washer, ¼" USS (1 Used Per Meter)
44.	G10660	-	Wave Washer (1 Used Per Meter)
45.	GD1063	-	Metering Gate (1 Used Per Meter)
46.	G10546	1	Spring Pin, 3⁄16" x 1 ¼"
47.	GD7588	1	Shaft
48.	GD7148	-	Feed Roller, Hex Bore (1 Used Per Meter)
49.	GD7592	1	Coupler, Hex Bore (With 2nd Meter)
50.	GD7591	-	Shaft (1 Used In 2nd Meter)

SPRING TOOTH INCORPORATOR

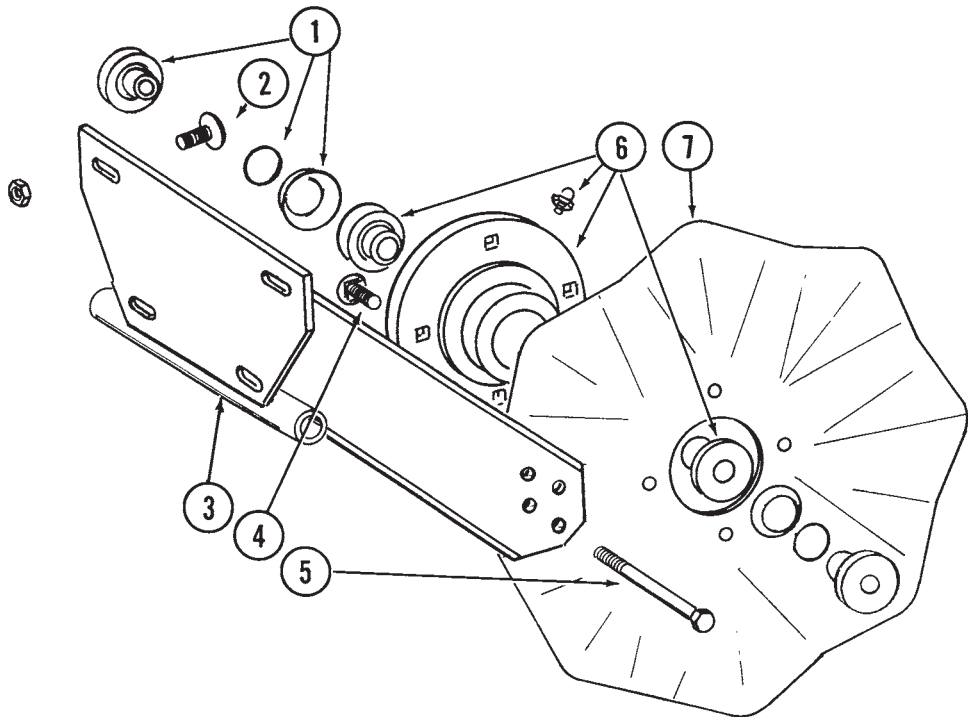
RUA011(RU20)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GD1145	7	Spring Tooth
2.	G10308	9	Carriage Bolt, ⅜"-16 x ¾", Grade 2
	G10622	9	Flange Nut, ⅜"-16
3.	GD1143	1	Front Bracket
4.	GD1144	1	Rear Bracket
5.	G10305	4	Carriage Bolt, ⅜"-16 x 1", Grade 2
	G10529	4	External Tooth Lock Washer, ⅜"
	G10622	4	Flange Nut, ⅜"-16
6.	G10621	4	Flange Nut, ¼"-20
7.	GA2094	2	Cable Assembly
8.	G3305-01	4	Chain
9.	GD2460	2	Eyebolt, ¼"-20

NO TILL COULTER, ROW UNIT MOUNTED

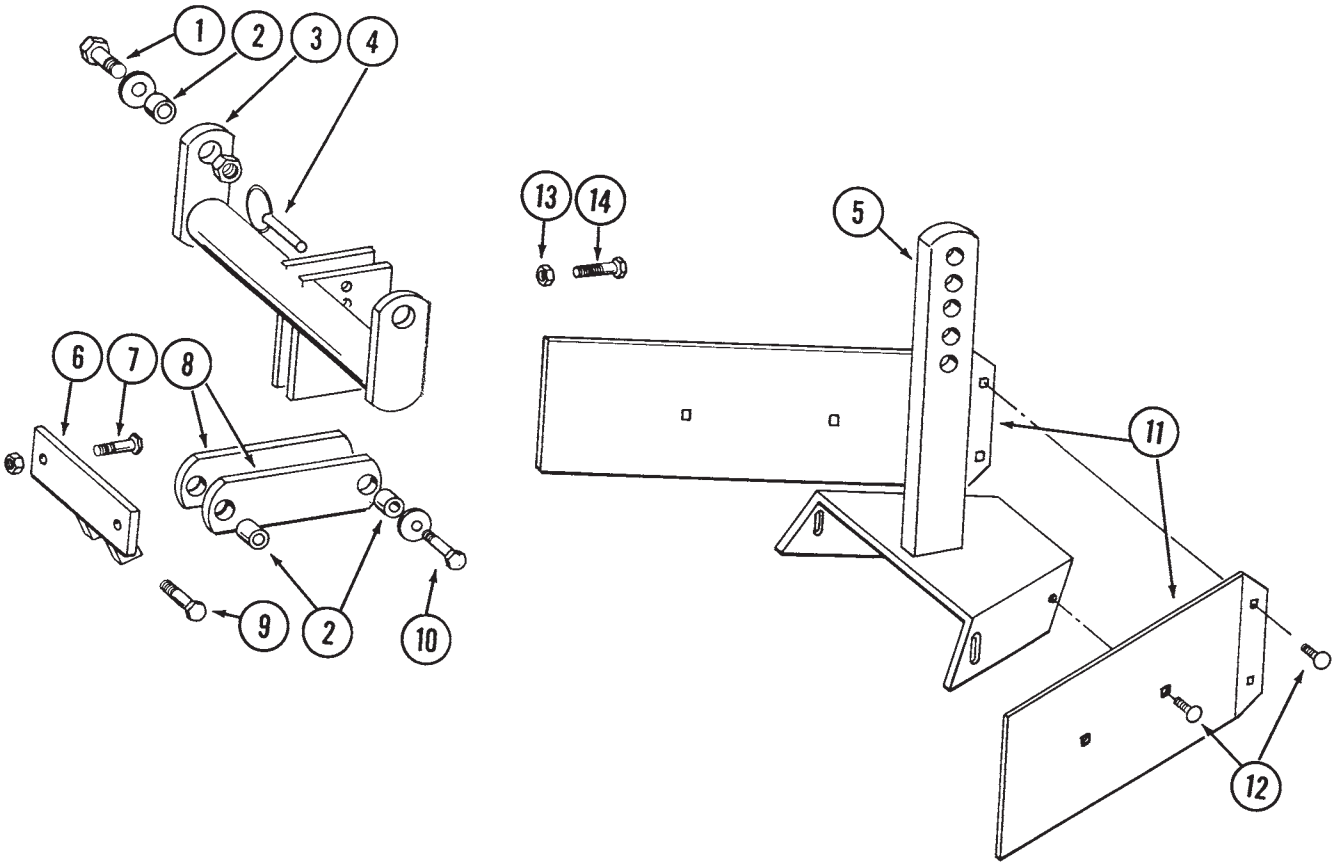
RUA036(RU21a)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	GB0227	2	Adapter W/O-Ring And Spring Washer
	GD8844	2	O-Ring
	GD8843	2	Spring Washer
2.	G10574	4	Carriage Bolt, ½"-13 x 1 ¼"
	G10111	4	Lock Nut, ½"-13
3.	GA5625	1	Arm
4.	G10574	4	Carriage Bolt, ½"-13 x 1 ¼"
	G10111	4	Lock Nut, ½"-13
5.	G10036	1	Hex Head Cap Screw, ⅝"-11 x 4"
	G10107	1	Lock Nut, ⅝"-11
6.	GA5640	1	Hub W/Bearings And Grease Fitting
	GA5622	-	Bearing (2 Used)
	G10640	-	Grease Fitting, ¼"-28
7.	GD7803	-	Fluted Blade, 1", 8 Flutes (Shown)
	GD7804	-	Bubbled Blade, 1"
	GD9254	-	Fluted Blade, ¾", 13 Flutes

BED LEVELER, ROW UNIT MOUNTED

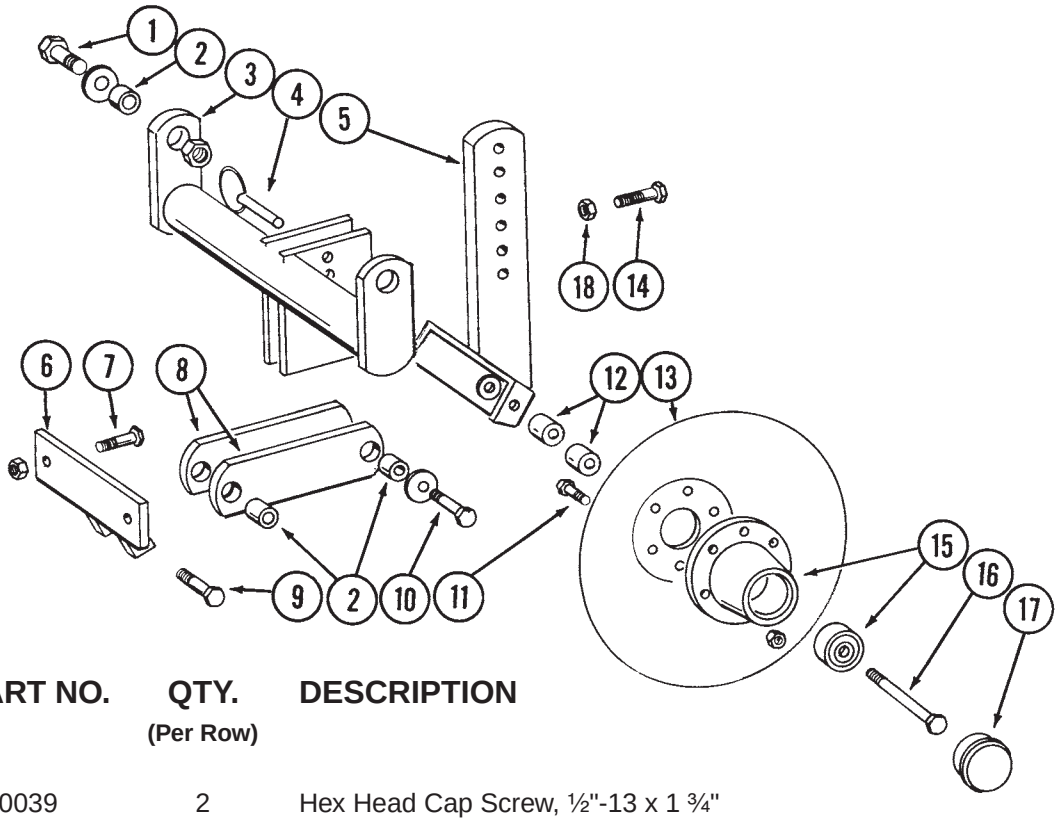
RUA038/RUA040(RU22)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	G10039	2	Hex Head Cap Screw, ½"-13 x 1 ¾"
	G10216	2	Washer, ½" USS
	G10111	2	Lock Nut, ½"-13
2.	GD7889	6	Bushing
3.	GA5719	1	Mounting Bracket
4.	G10536	1	Pin
5.	GA5892	1	Leveler
6.	GA5715	1	Anchor
7.	G10017	2	Hex Head Cap Screw, ½"-13 x 1 ½"
	G10111	2	Lock Nut, ½"-13
8.	GD7890	2	Link
9.	G10017	2	Hex Head Cap Screw, ½"-13 x 1 ½"
	G10216	2	Washer, ½" USS
	G10111	2	Lock Nut, ½"-13
10.	G10585	1	Hex Head Cap Screw, ½"-13 x 3 ¼"
	G10216	2	Washer, ½" USS
	G10111	1	Lock Nut, ½"-13
11.	GD8266	2	Blade
12.	G10303	6	Carriage Bolt, 5⁄16"-18 x 1"
	G10219	4	Washer, 5⁄16" USS
	G10109	6	Lock Nut, 5⁄16"-18
13.	G10503	1	Jam Nut, ⅝"-11
14.	G10597	1	Set Screw, ⅝"-11 x 2 ¼"

DISC FURROWER, ROW UNIT MOUNTED

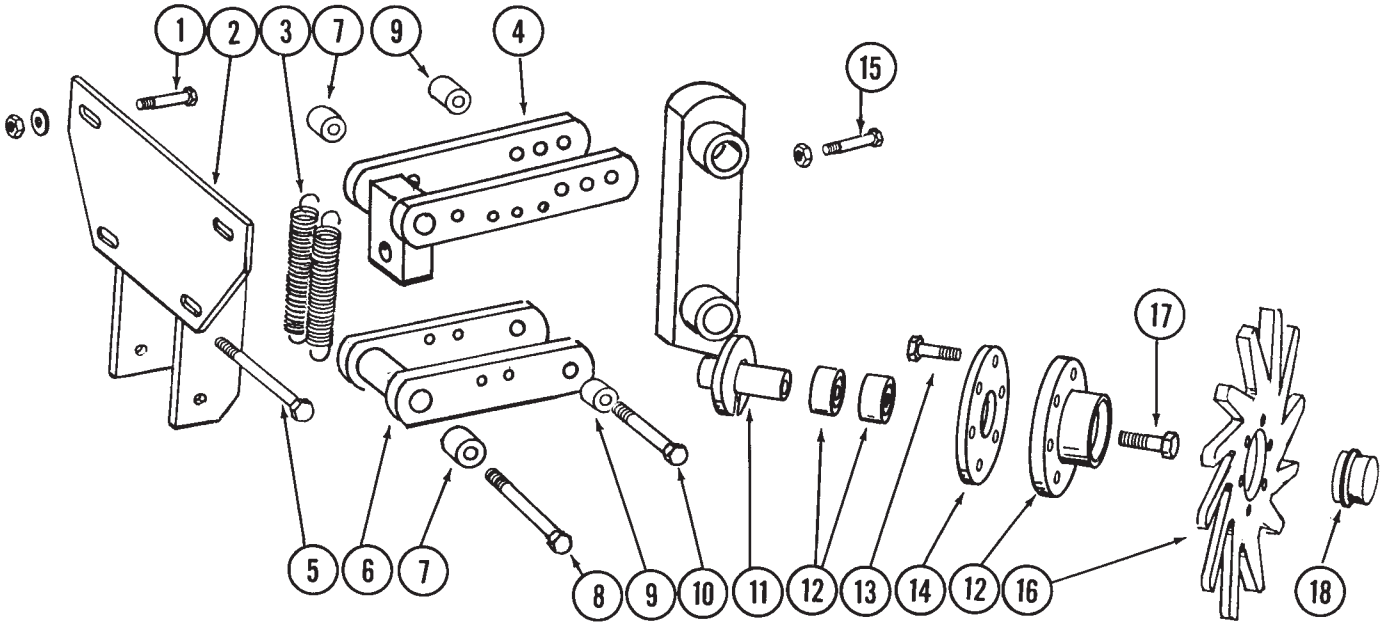
RUA038/RUA040(RU23)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	G10039	2	Hex Head Cap Screw, ½"-13 x 1 ¾"
	G10216	2	Washer, ½" USS
	G10111	2	Lock Nut, ½"-13
2.	GD7889	6	Bushing
3.	GA5719	1	Mounting Bracket
4.	G10536	1	Pin
5.	GA5718	1	Support Arm
6.	GA5715	1	Anchor
7.	G10017	2	Hex Head Cap Screw, ½"-13 x 1 ½"
	G10111	2	Lock Nut, ½"-13
8.	GD7890	2	Link
9.	G10017	2	Hex Head Cap Screw, ½"-13 x 1 ½"
	G10216	2	Washer, ½" USS
	G10111	2	Lock Nut, ½"-13
10.	G10585	1	Hex Head Cap Screw, ½"-13 x 3 ¼"
	G10216	2	Washer, ½" USS
	G10111	1	Lock Nut, ½"-13
11.	G10572	6	Truss Head Slotted Machine Screw, 5⁄16"-18 x 7⁄8"
	G10106	6	Hex Nut, 5⁄16"-18
12.	GD7817-01	2	Spacer, ¾"
	GD7817-04	2	Spacer, ½"
13.	GD7823	-	Solid Blade, 12" (Shown)
	GD8307	-	Notched Blade, 12"
14.	G10597	1	Set Screw, ⅝"-11 x 2 ¼"
15.	GA5654	2	Hub W/Bearings
	GA2014	-	Bearing
16.	G10318	2	Hex Head Cap Screw, ⅝"-11 x 4 ½"
	GD7805	2	Special Washer
	G10107	2	Lock Nut, ⅝"-11
17.	GD1132	2	Dust Cap
18.	G10503	1	Jam Nut, ⅝"-11

RESIDUE WHEEL, ROW UNIT MOUNTED

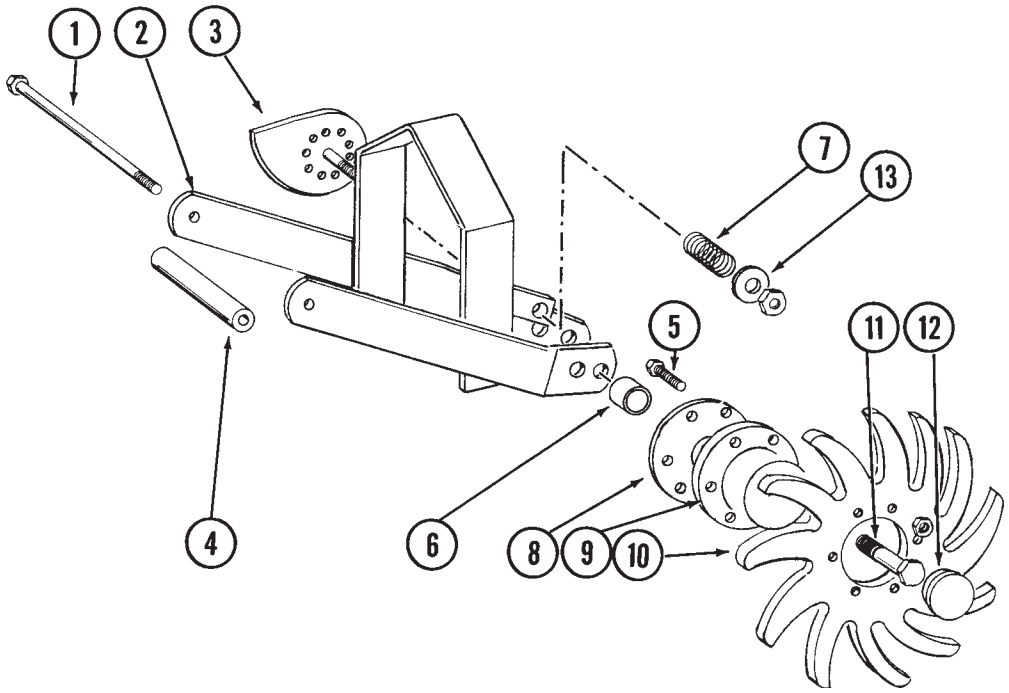
RUA041/RUA045(RU24a)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	G10574	4	Carriage Bolt, ½"-13 x 1 ¼"
	G10216	4	Washer, ½" USS
	G10111	4	Lock Nut, ½"-13
2.	GA6832	1	Mount
3.	GD5857	2	Spring
4.	GA6833	1	Upper Link
5.	G10348	1	Hex Head Cap Screw, ½"-13 x 5" (Lockup Bolt)
	G10111	1	Lock Nut, ½"-13
6.	GA6834	1	Lower Link
7.	GD9715	2	Spacer, 3"
8.	G10045	2	Hex Head Cap Screw, ½"-13 x 4 ½"
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
9.	GD9720	2	Spacer, 2 3⁄16"
10.	G10033	2	Hex Head Cap Screw, ½"-13 x 3 ½"
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
11.	GA6838	1	Wheel Mount
12.	GA5654	2	Hub W/Bearings
	GA2014	-	Bearing
13.	G10133	6	Hex Head Cap Screw, 5⁄16"-18 x 1 ½"
	G10109	6	Lock Nut, 5⁄16"-18
14.	GD10552	1	Backing Plate
15.	G10371	1	Hex Head Cap Screw, ⅜"-13 x 3", Full Thread
	G10501	1	Jam Nut, ½"-13
16.	GD10552	1	Wheel, ⅜" x 12"
17.	G10006	1	Hex Head Cap Screw, ⅝"-11 x 2 ¼"
18.	GD1132	1	Dust Cap
A.	GA7446	-	Wheel Assembly (Items 12-14 And 16)

RESIDUE WHEELS, COULTER MOUNTED

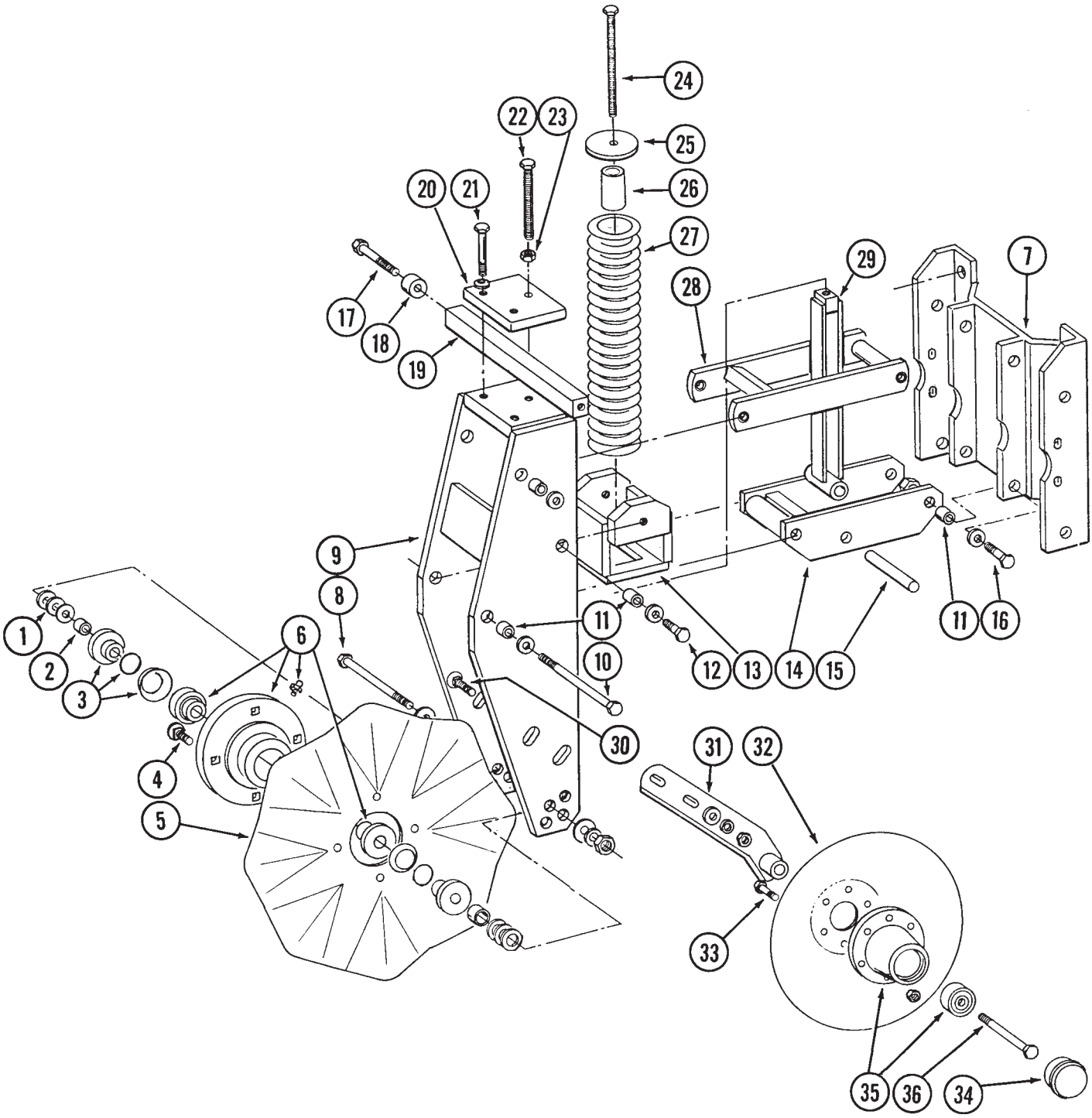
RUA047(RU31a)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	G10148	1	Hex Head Cap Screw, ½"-13 x 9 ½"
	G10111	1	Lock Nut, ½"-13
2.	GA7271	1	Mount
3.	GA7412	1	Cam
4.	GD10526	1	Sleeve, 7 ½"
5.	G10133	12	Hex Head Cap Screw, 5⁄16"-18 x 1 ½"
	G10109	12	Lock Nut, 5⁄16"-18
6.	GD7817-04	2	Spacer, 1 ¼" O.D. x ½" Long
7.	GD10519	1	Spring
8.	GD9724	2	Backing Plate
9.	GA5654	2	Hub W/Bearings
	GA2014	-	Bearing
10.	GD10552	2	Wheel, ⅜" x 12"
11.	G10009	2	Hex Head Cap Screw, ⅝"-11 x 2 ½"
12.	GD1132	2	Dust Cap
13.	G10206	1	Washer, ½" SAE
	G10111	1	Lock Nut, ½"-13
A.	GA7446	-	R.H. Wheel Assembly (Items 5 And 8-10) (Shown)
	GA7445	-	L.H. Wheel Assembly (Items 5 And 8-10)

FRAME MOUNTED COULTER W/DISC FURROWER

RUA035/RUB016(RU25)



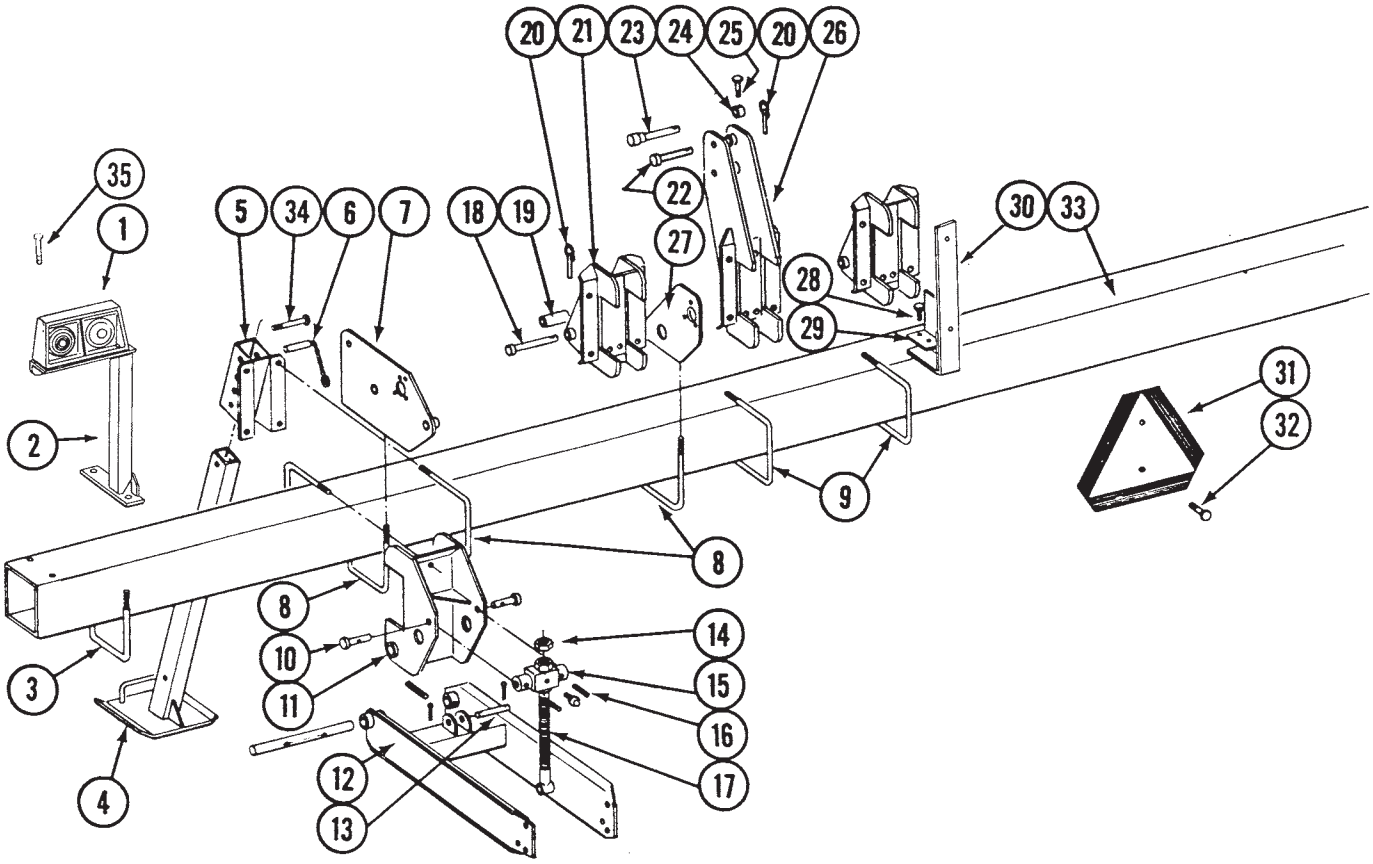
FRAME MOUNTED COULTER W/DISC FURROWER

ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1.	G10217	-	Washer, ⅝" USS (As Required)
2.	GD7817-04	2	Spacer, ½"
3.	GB0227	2	Adapter W/O-Ring And Spring Washer
	GD8844	-	O-Ring
	GD8843	-	Spring Washer
4.	G10574	4	Carriage Bolt, ½"-13 x 1 ¼"
	G10111	4	Lock Nut, ½"-13
5.	GD7803	-	Fluted Blade, 1", 8 Flutes (Shown)
	GD7804	-	Bubbled Blade, 1"
	GD9254	-	Fluted Blade, ¾", 13 Flutes
6.	GA5640	1	Hub W/Bearings And Grease Fitting
	GA5622	-	Bearing (2 Used Per Hub)
	G10640	-	Grease Fitting, ¼"-28
7.	GA5798	1	Support Plate
8.	G10068	1	Hex Head Cap Screw, ⅝"-11 x 6"
	G10107	1	Lock Nut, ⅝"-11
9.	GA5643	1	Fork Mount
10.	G10012	1	Hex Head Cap Screw, ⅝"-11 x 6 ½"
	GD7805	2	Washer
	G10107	1	Lock Nut, ⅝"-11
11.	GB0218	10	Bushing, 19⁄32"
12.	G10055	2	Hex Head Cap Screw, ⅝"-11 x 1 ¼"
	GD7805	2	Washer
13.	GA5637	1	Spring Socket
14.	GA5631	1	Lower Parallel Link
15.	GD7815	1	Pin, ⅝" x 4 ¼"
16.	G10008	6	Hex Head Cap Screw, ⅝"-11 x 2"
	GD7805	6	Washer
	G10107	4	Lock Nut, ⅝"-11 (As Required)
17.	GD7818	2	Special Bolt
18.	GD7817-01	2	Roller, ¾"
19.	GD7816	1	Depth Control Bar
20.	GD7811	1	Depth Adjustment Clamp
21.	G10581	2	Hex Head Cap Screw, ½"-13 x 2 ¼"
	G10228	2	Lock Washer, ½"
22.	G10582	1	Hex Head Cap Screw, ⅝"-11 x 4", Full Thread
23.	G10104	1	Hex Nut, ⅝"-11
24.	G10573	1	Hex Head Cap Screw, ⅝"-11 x 5 ½", Full Thread
25.	GB0196	1	Washer
26.	GD7817-09	1	Stop, 1 ¾"
27.	GD7831	1	Compression Spring
28.	GA5630	1	Upper Parallel Link
29.	GA5635	1	Spring Guide
30.	G10747	4	Carriage Bolt, ½"-13 x 2"
	G10206	-	Washer, ½" SAE (As Required)
	G10228	4	Lock Washer, ½"
	G10102	4	Hex Nut, ½"-13
31.	GA5636	2	Arm
32.	GD7823	-	Solid Blade, 12" (Shown)
	GD8307	-	Notched Blade, 12"
33.	G10572	12	Truss Head Slotted Machine Screw, 5⁄16"-18 x ⅞"
	G10106	12	Hex Nut, 5⁄16"-18
34.	GD1132	2	Dust Cap
35.	GA5654	2	Hub W/Bearings
	GA2014	4	Bearing
36.	G10036	2	Hex Head Cap Screw, ⅝"-11 x 4"
	G10107	2	Lock Nut, ⅝"-11

RIGID TOOLBAR ASSEMBLY

PFA043/PFA055(MT3)

STYLE A BOLT-ON HITCH POINTS



ITEM	PART NO.	QTY.	DESCRIPTION
1.			See “Electrical Components”, Page P66
2.	GA6823	1	Bracket, L.H. Side (Shown)
	GA6824	1	Bracket, R.H. Side
3.	GD7145	2	U-Bolt, 7" x 7" x ½"-13
	G10228	4	Lock Washer, ½"
	G10102	4	Hex Nut, ½"-13
4.	GA4732	2	Jack Stand
5.	GA4707	2	Mount
6.	GA4733	2	Detent Pin W/Chain
7.	GA4699	1	Drive Plate, L.H. (Shown)
	GA4700	1	Drive Plate, R.H.

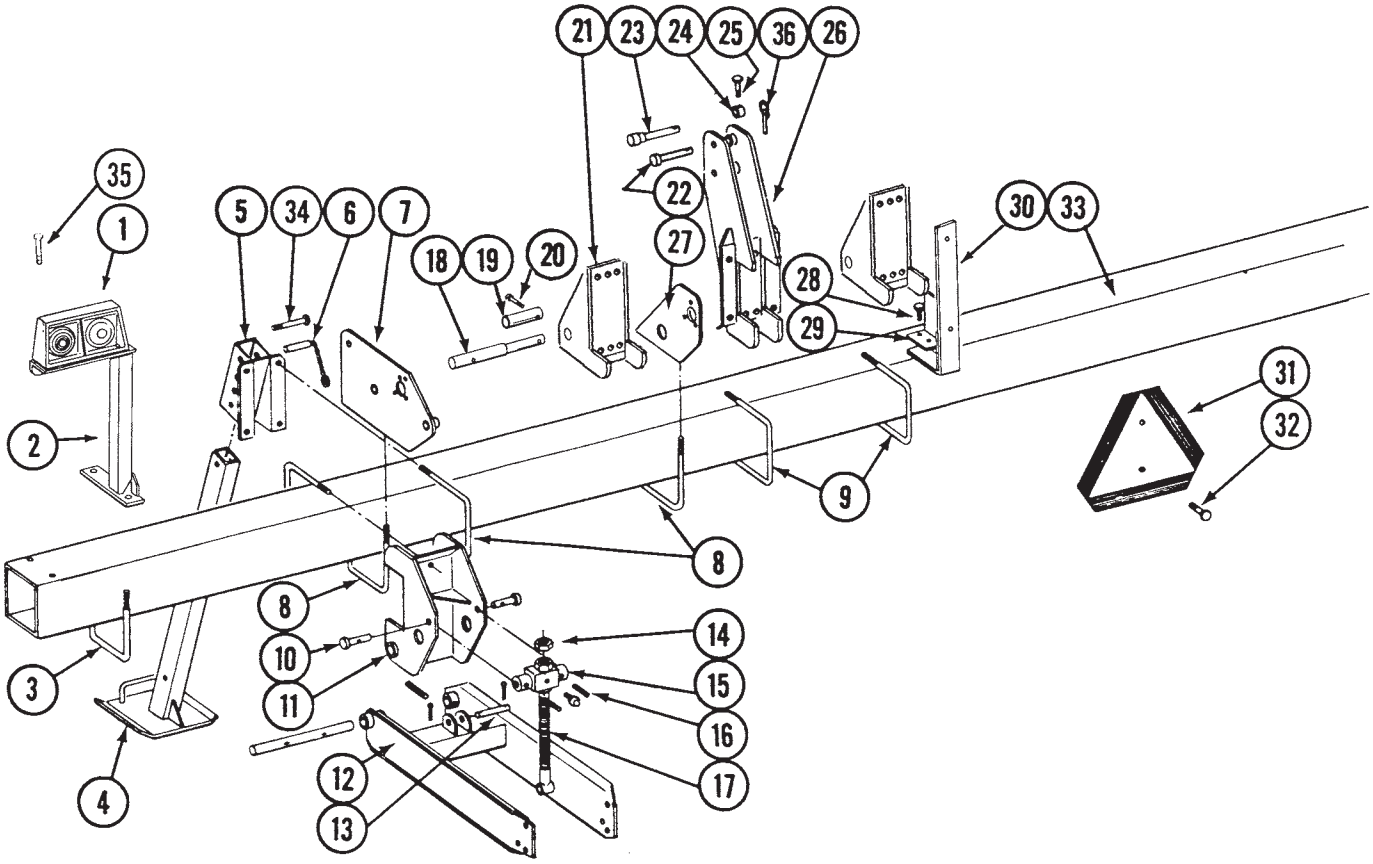
RIGID TOOLBAR ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
8.	GD1114	7	U-Bolt, 7" x 7" x 5/8"-11
	G10230	14	Lock Washer, 5/8"
	G10104	14	Hex Nut, 5/8"-11
9.	GD1748	16	U-Bolt, 7" x 7" x 3/4"-10
	G10231	32	Lock Washer, 3/4"
	G10105	32	Hex Nut, 3/4"-10
10.	GA4704	-	Pin
11.	A4703	-	Module W/Grease Fitting **(Non-Stock Item)**
	G10641	-	Grease Fitting, 1/8" NPT
12.	A4706	-	Arm W/Shaft And Spring Pin **(Non-Stock Item)**
	GD7042	-	Shaft, 1 1/4" x 12 1/8"
	G10610	-	Spring Pin, 3/8" x 2"
13.	GD7041	2	Pin, 1" x 4"
	G10459	4	Cotter Pin, 3/16" x 1 1/2"
14.	G10117	2	Hex Nut, 1"-8, Grade 2
15.	GA4711	2	Jack Screw Mount W/Grease Fitting
	G10641	-	Grease Fitting, 1/8" NPT
16.	G10489	4	Spring Pin, 3/8" x 1 1/2"
17.	GA4705	2	Adjusting Screw
18.	GA4665	2	Pin
19.	GD7090	2	Bushing, Category 3
20.	GD2557	3	Lynch Pin, 7/16"
21.	GA4701	-	Lower Hitch Point
22.	GA4666	1	Pin, 1 1/4", Category 3
23.	GA4938	1	Pin, 1", Category 2
24.	GD7338	1	Bushing, Category 2
25.	G10048	1	Hex Head Cap Screw, 3/8"-16 x 2"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
26.	GA4702	1	Mast
27.	GA4709	1	Carrier Bearing Mount, L.H. (Shown), 4 Row 36"/38"/40" Through 10 Row 30"
	GA5466	1	Carrier Bearing Mount, R.H., 8 Row 40" and 10 Row 30" Only
28.	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"
29.	GD5807	1	Valve Mounting Bracket
30.	GD7152	1	SMV Mounting Bracket
31.		-	See “SMV Sign, Decals, Reflectors And Tie Straps”, Pages P64 And P65
32.	G10023	2	Hex Head Cap Screw, 1/4"-20 x 3/4"
	G10110	2	Lock Nut, 1/4"-20
33.	D5873-02	1	Toolbar, 7" x 7" x 120", 4 Row 30" **(Non-Stock Item)**
	D5873-04	-	Toolbar, 7" x 7" x 150", 4 Row 36"/38"/40" **(Non-Stock Item)**
	D5873-01	-	Toolbar, 7" x 7" x 180", 6 Row 30" **(Non-Stock Item)**
	D5873-06	-	Toolbar, 7" x 7" x 230", 6 Row 36"/38"/40" **(Non-Stock Item)**
	D5873-07	-	Toolbar, 7" x 7" x 240", 8 Row 30" **(Non-Stock Item)**
	D9257-02	-	Toolbar, 7" x 7" x 310", 8 Row 40" **(Non-Stock Item)**
	D9257-01	-	Toolbar, 7" x 7" x 300", 10 Row 30" **(Non-Stock Item)**
34.	G10016	2	Hex Head Cap Screw, 1/2"-13 x 2"
	G10111	2	Lock Nut, 1/2"-13
35.	G10064	8	Hex Head Cap Screw, 1/4"-20 x 1"
	G10209	8	Washer, 1/4" USS
	G10110	8	Lock Nut, 1/4"-20

RIGID TOOLBAR ASSEMBLY

PFA043/PFA055(MT3a)

STYLE B BOLT-ON HITCH POINTS



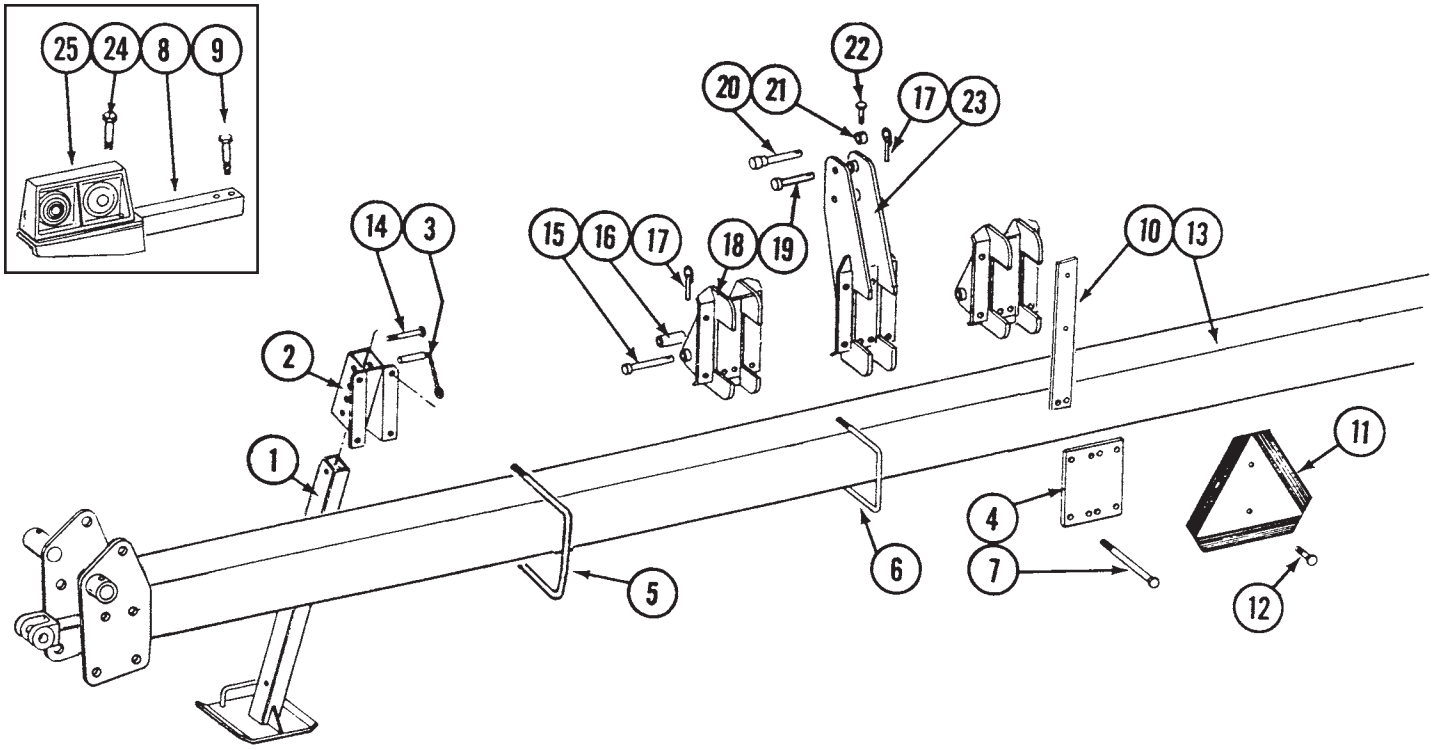
ITEM	PART NO.	QTY.	DESCRIPTION
1.			See “Electrical Components”, Page 66
2.	GA6823	1	Bracket, L.H. Side (Shown)
	GA6824	1	Bracket, R.H. Side
3.	GD7145	2	U-Bolt, 7" x 7" x ½"-13
	G10228	4	Lock Washer, ½"
	G10102	4	Hex Nut, ½"-13
4.	GA4732	2	Jack Stand
5.	GA4707	2	Mount
6.	GA4733	2	Detent Pin W/Chain
7.	GA4699	1	Drive Plate, L.H. (Shown)
	GA4700	1	Drive Plate, R.H.

RIGID TOOLBAR ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
8.	GD1114	7	U-Bolt, 7" x 7" x 5/8"-11
	G10230	14	Lock Washer, 5/8"
	G10104	14	Hex Nut, 5/8"-11
9.	GD1748	16	U-Bolt, 7" x 7" x 3/4"-10
	G10231	32	Lock Washer, 3/4"
	G10105	32	Hex Nut, 3/4"-10
10.	GA4704	-	Pin
11.	A4703	-	Module W/Grease Fitting **(Non-Stock Item)**
	G10641	-	Grease Fitting, 1/8" NPT
12.	A4706	-	Arm W/Shaft And Spring Pin **(Non-Stock Item)**
	GD7042	-	Shaft, 1 1/4" x 12 1/8"
	G10610	-	Spring Pin, 3/8" x 2"
13.	GD7041	2	Pin, 1" x 4"
	G10459	4	Cotter Pin, 3/16" x 1 1/2"
14.	G10117	2	Hex Nut, 1"-8, Grade 2
15.	GA4711	2	Jack Screw Mount W/Grease Fitting
	G10641	-	Grease Fitting, 1/8" NPT
16.	G10489	4	Spring Pin, 3/8" x 1 1/2"
17.	GA4705	2	Adjusting Screw
18.	GD9750	2	Pin, 11 3/4"
19.	GD9749	2	Bushing, 3 3/4"
20.	G10048	4	Hex Head Cap Screw, 3/8"-16 x 2"
	G10108	4	Lock Nut, 3/8"-16
21.	GA6581	-	Lower Hitch Point, L.H.
	GA6582	-	Lower Hitch Point, R.H.
22.	GA4666	1	Pin, 1 1/4", Category 3
23.	GA4938	1	Pin, 1", Category 2
24.	GD7338	1	Bushing, Category 2
25.	G10048	1	Hex Head Cap Screw, 3/8"-16 x 2"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
26.	GA4702	1	Mast
27.	GA4709	1	Carrier Bearing Mount, L.H. (Shown), 4 Row 36"/38"/40" Through 10 Row 30"
	GA5466	1	Carrier Bearing Mount, R.H., 8 Row 40" and 10 Row 30" Only
28.	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"
29.	GD5807	1	Valve Mounting Bracket
30.	GD7152	1	SMV Mounting Bracket
31.		-	See “SMV Sign, Decals, Reflectors And Tie Straps”, Pages P64 And P65
32.	G10023	2	Hex Head Cap Screw, 1/4"-20 x 3/4"
	G10110	2	Lock Nut, 1/4"-20
33.	D5873-02	1	Toolbar, 7" x 7" x 120", 4 Row 30" **(Non-Stock Item)**
	D5873-04	-	Toolbar, 7" x 7" x 150", 4 Row 36"/38"/40" **(Non-Stock Item)**
	D5873-01	-	Toolbar, 7" x 7" x 180", 6 Row 30" **(Non-Stock Item)**
	D5873-06	-	Toolbar, 7" x 7" x 230", 6 Row 36"/38"/40" **(Non-Stock Item)**
	D5873-07	-	Toolbar, 7" x 7" x 240", 8 Row 30" **(Non-Stock Item)**
	D9257-02	-	Toolbar, 7" x 7" x 310", 8 Row 40" **(Non-Stock Item)**
	D9257-01	-	Toolbar, 7" x 7" x 300", 10 Row 30" **(Non-Stock Item)**
34.	G10016	2	Hex Head Cap Screw, 1/2"-13 x 2"
	G10111	2	Lock Nut, 1/2"-13
35.	G10064	8	Hex Head Cap Screw, 1/4"-20 x 1"
	G10209	8	Washer, 1/4" USS
	G10110	8	Lock Nut, 1/4"-20
36.	GD2557	1	Lynch Pin, 7/16"

CENTER FRAME ASSEMBLY (VERTICAL FOLDING TOOLBAR)

PFA043/PFA048/PFA055(MT4a)

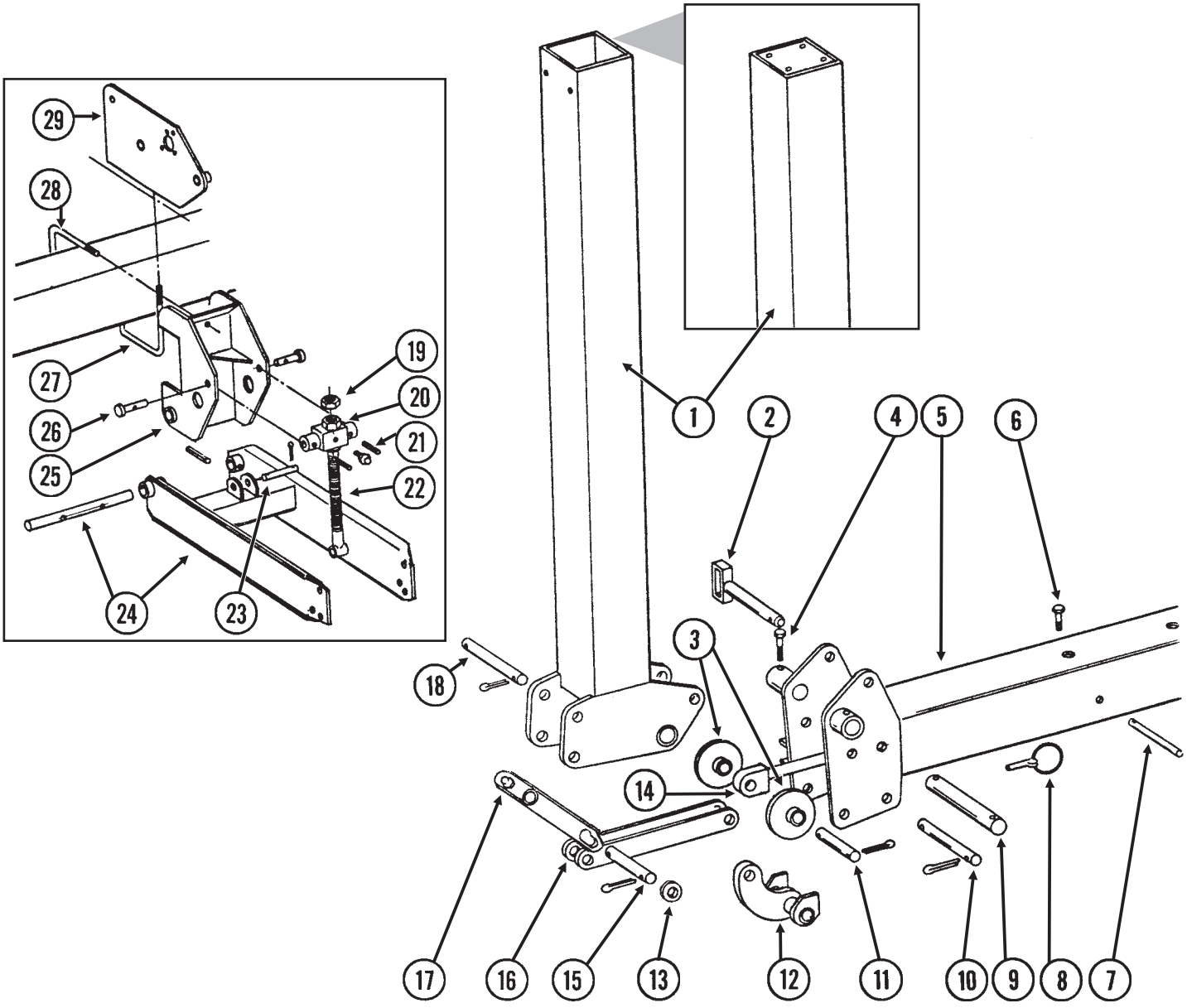


CENTER FRAME ASSEMBLY (VERTICAL FOLDING TOOLBAR)

ITEM	PART NO.	QTY.	DESCRIPTION
1.	GA4732	2	Jack Stand
2.	GA4707	2	Mount
3.	GA4733	2	Detent Pin W/Chain
4.	D7191	-	Mounting Bar **(Non-Stock Item)**
5.	GD1114	4	U-Bolt, 7" x 7" x ⅝"-11
	G10230	8	Lock Washer, ⅝"
	G10104	8	Hex Nut, ⅝"-11
6.	GD1748	12	U-Bolt, 7" x 7" x ¾"-10
	G10231	24	Lock Washer, ¾"
	G10105	24	Hex Nut, ¾"-10
7.	G10059	8	Hex Head Cap Screw, ¾"-10 x 9 ½"
	G10231	8	Lock Washer, ¾"
	G10105	8	Hex Nut, ¾"-10
8.	GA6827	1	Bracket, R.H. Side
	GA6828	1	Bracket, L.H. Side (Shown)
9.	G10325	4	Hex Head Cap Screw, ⅜"-16 x 2 ¾"
	G10229	4	Lock Washer, ⅜"
	G10101	4	Hex Nut, ⅜"-16
10.	GA5714	1	SMV Mounting Bracket
11.		-	See “SMV Sign, Decals, Reflectors And Tie Straps”, Pages P64 And P65
12.	G10023	2	Hex Head Cap Screw, ¼"-13 x ¾"
	G10110	2	Lock Nut, ¼"-13
13.	A5658	1	Center Toolbar, 7" x 7" x 144", 8 Row 36"/38" **(Non-Stock Item)**
	A6538	-	Center Toolbar, 7" x 7" x 150 ½", 8 Row 40" **(Non-Stock Item)**
	A5661	-	Center Toolbar, 7" x 7" x 183", 12 Row 30" **(Non-Stock Item)**
14.	G10016	2	Hex Head Cap Screw, ½"-13 x 2"
	G10111	2	Lock Nut, ½"-13
15.	GA4665	2	Pin
16.	GD7090	2	Bushing, Category 3
17.	GD2557	3	Lynch Pin, 7⁄16"
18.	GA4701	-	Lower Hitch Point
19.	GA4666	1	Pin, 1 ¼", Category 3
20.	GA4938	1	Pin, 1", Category 2
21.	GD7338	1	Bushing, Category 2
22.	G10048	1	Hex Head Cap Screw, ⅜"-16 x 2"
	G10229	1	Lock Washer, ⅜"
	G10101	1	Hex Nut, ⅜"-16
23.	GA4702	1	Mast
24.	G10064	8	Hex Head Cap Screw, ¼"-20 x 1"
	G10209	8	Washer, ¼" USS
	G10110	8	Lock Nut, ¼"-20
25.			See “Electrical Components”, Page P66

WING AND HINGE ASSEMBLY (VERTICAL FOLDING TOOLBAR)

PFA044/PFA043/PFA049(MT5b)

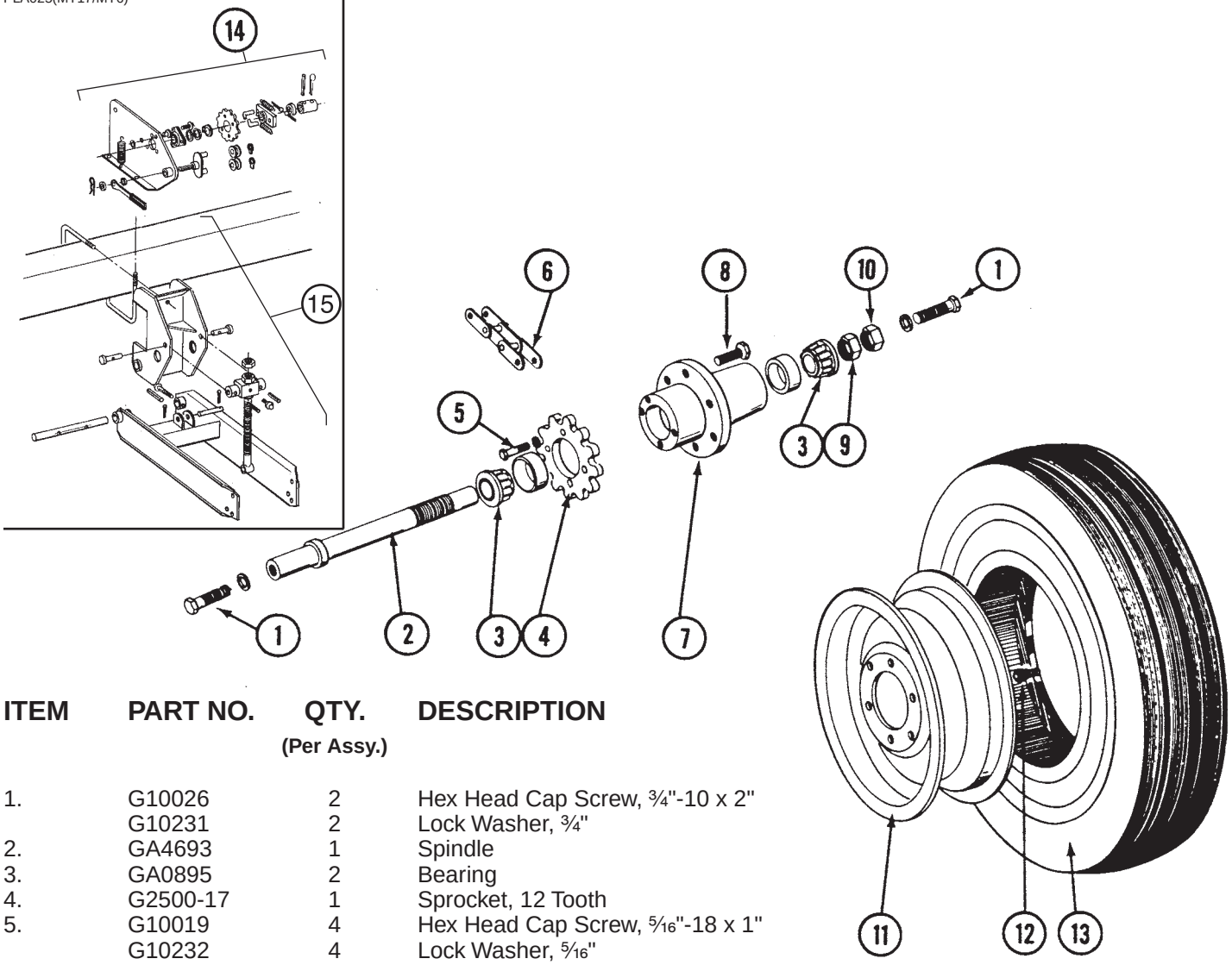


WING AND HINGE ASSEMBLY (VERTICAL FOLDING TOOLBAR)

ITEM	PART NO.	QTY.	DESCRIPTION
1.	A4849	2	Wing W/Grease Fitting, 76", 8 Row 36"/38" **(Non-Stock Item)**
	A6537	-	Wing W/Grease Fitting, 80", 8 Row 40" **(Non-Stock Item)**
	A4851	-	Wing W/Grease Fitting, 88 ½", 12 Row 30" **(Non-Stock Item)**
	G10641	-	Grease Fitting, ⅛" NPT
2.	GA4402	2	Safety Pin
3.	GA5659	4	Wheel
4.	G10061	4	Hex Head Cap Screw, ⅜"-16 x 3 ½"
	G10229	4	Lock Washer, ⅜"
	G10101	4	Hex Nut, ⅜"-16
5.		-	See “Center Frame Assembly”, Pages P30 And P31
6.	G10048	2	Hex Head Cap Screw, ⅜"-16 x 2"
	G10229	2	Lock Washer, ⅜"
	G10101	2	Hex Nut, ⅜"-16
7.	GD7302	2	Cylinder Pin, 1" x 6"
8.	GD2557	4	Lynch Pin, 7⁄16"
9.	GD7282	2	Hinge Pin, 2 ⅛" x 13"
10.	GD4724	2	Pin, 1 ¼" x 10"
	G10460	4	Cotter Pin, ¼" x 2"
11.	GD7861	2	Pin, 1 ¼" x 6 ⅛"
	G10460	4	Cotter Pin, ¼" x 2"
12.	GA4883	2	Link
13.	G10159	8	Machine Bushing
14.		-	See “Wing Lift Cylinder”, Page P59
15.	GD5841	2	Pin, 1 ¼" x 5 ⅝"
	G10460	4	Cotter Pin, ¼" x 2"
16.	GA5660	2	Link
17.	GA5805	2	Link
18.	GD3737	2	Pin, 1 ¼" x 8 ½"
	G10460	4	Cotter Pin, ¼" x 2"
19.	G10117	2-4	Hex Nut, 1"-8, Grade 2
20.	GA4711	2-4	Jack Screw Mount W/Grease Fitting
	G10641	-	Grease Fitting, ⅛" NPT
21.	G10489	4-8	Spring Pin, ⅜" x 1 ½"
22.	GA4705	2-4	Adjusting Screw
23.	GD7041	-	Pin, 1" x 4"
	G10459	-	Cotter Pin, 3⁄16" x 1 ½"
24.	A4706	-	Arm W/Shaft And Spring Pin **(Non-Stock Item)**
	GD7042	-	Shaft, 1 ¼" x 12 ⅛"
	G10610	-	Spring Pin, ⅜" x 2"
25.	A4703	-	Module W/Grease Fitting **(Non-Stock Item)**
	G10641	-	Grease Fitting, ⅛" NPT
26.	GA4704	-	Pin
27.	GD1114	-	U-Bolt, 7" x 7" x ⅝"-11
	G10230	-	Lock Washer, ⅝"
	G10104	-	Hex Nut, ⅝"-11
28.	GD1748	-	U-Bolt, 7" x 7" x ¾"-10
	G10231	-	Lock Washer, ¾"
	G10105	-	Hex Nut, ¾"-10
29.	GA4699	1-2	Drive Plate, L.H. (Shown)
	GA4700	1-2	Drive Plate, R.H.

DRIVE WHEEL ASSEMBLY

PLA025(MT17/MT6)

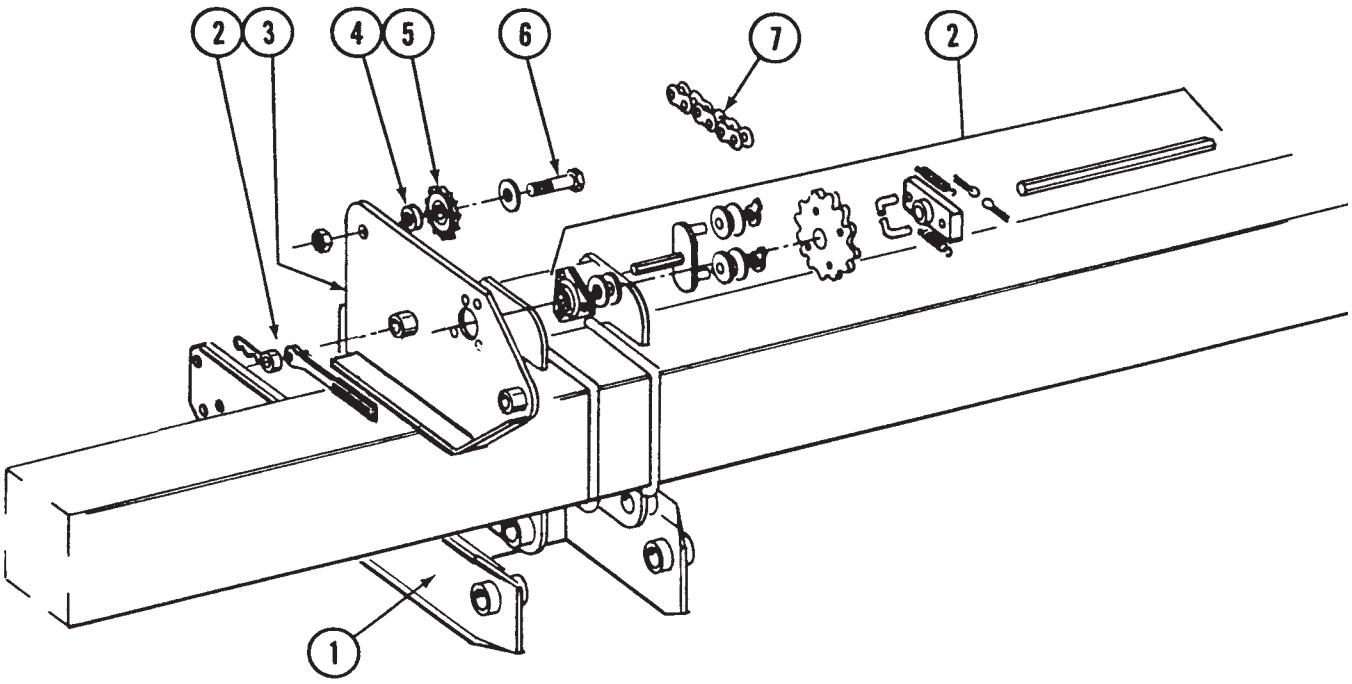


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1.	G10026	2	Hex Head Cap Screw, ¾"-10 x 2"
	G10231	2	Lock Washer, ¾"
2.	GA4693	1	Spindle
3.	GA0895	2	Bearing
4.	G2500-17	1	Sprocket, 12 Tooth
5.	G10019	4	Hex Head Cap Screw, 5⁄16"-18 x 1"
	G10232	4	Lock Washer, 5⁄16"
6.	G3200-62	1	Chain, No. 2050, 62 Pitch Including Connector Link
	G3200-06	-	Chain, No. 2050 (Add To Chain When Using Half Rate (2 To 1) Drive Reduction Sprockets)
	GR0195	-	Connector Link, No. 2050
	GR0200	-	Offset Link, No. 2050
7.	GA0926	1	Hub W/Cups, 6 Bolt
	GR0434	-	Cup
8.	GR0270	6	Bolt, 9⁄16"-18
9.	G10092	1	Hex Nut, 1 ½"-12, Grade 2
10.	G10087	1	Jam Nut, 1 ½"-12, Grade 2
11.	GA4696	1	Wheel, 5" x 15"
12.	GD1166	1	Valve Stem
13.	GD0844	1	Tire, 7.60" x 15", 4 Ply (Specify Brand*)
14.		-	See “Driveline (Rigid Toolbar)”, Pages P38-P41
15.		-	See “Rigid Toolbar Assembly”, Pages P26-P29
A.	GA4695	-	Hub Assembly (Items 1-5 And 7-10)
B.	GA4694	-	Tire And Rim Assembly (Items 11-13)
C.	GA5496	-	Drive Wheel Assembly, R.H. (Items 1-15)
	GA5497	-	Drive Wheel Assembly, L.H. (Items 1-15)

*** Specific brand requests will be supplied only as available from current KINZE® stock. If a specific brand as requested is not on hand, the brand available will be supplied.**

FRONT MOUNTED DRIVE WHEEL (OPTIONAL)

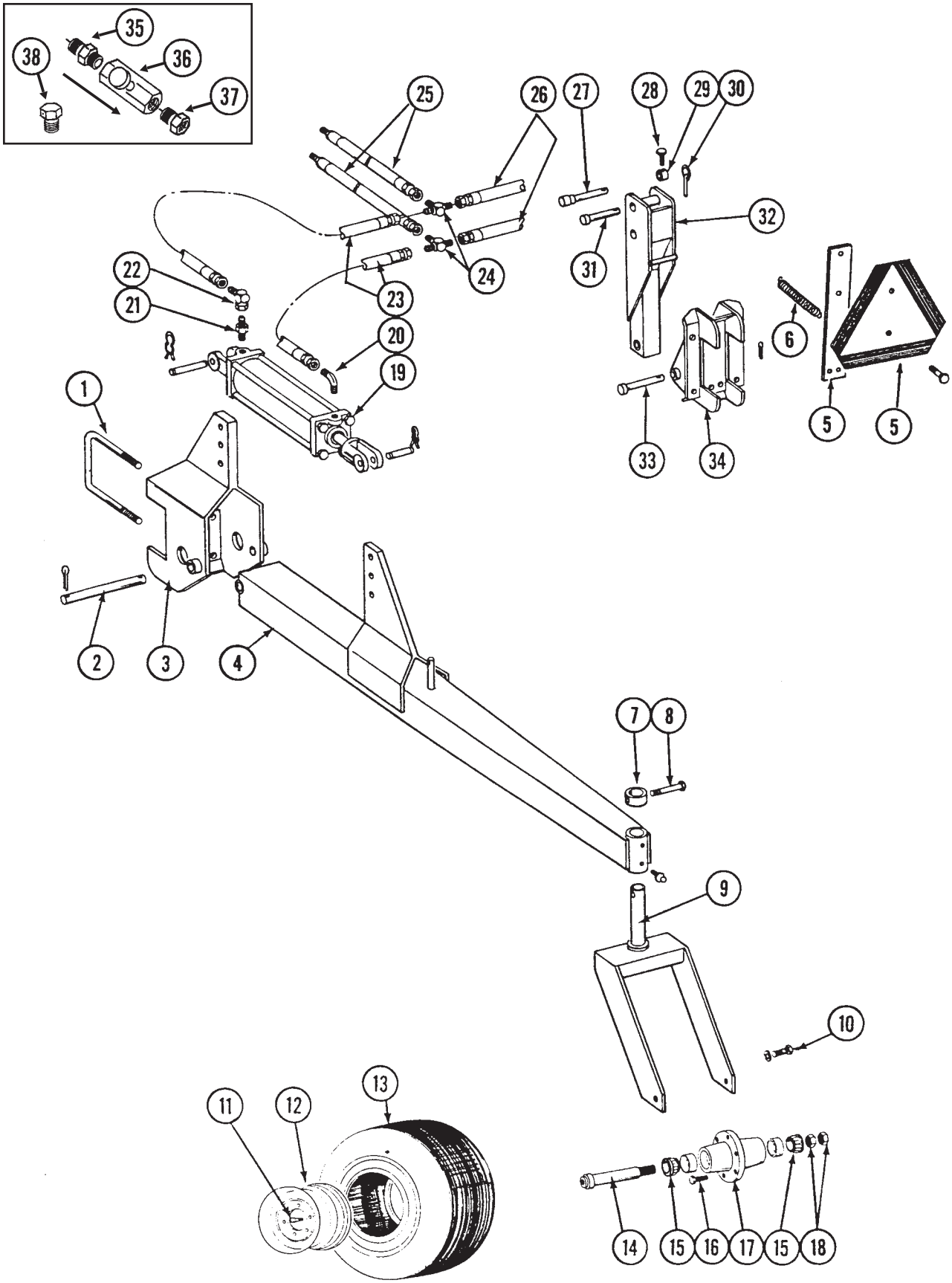
PTD064(MT7)



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1.		-	See “Rigid Toolbar Assembly” Pages P26-P29, Or “Wing And Hinge Assembly, Vertical Folding Toolbar”, Pages P32 And P33
2.		-	See “Driveline, Rigid Toolbar” Pages P38-P41, Or “Driveline, Vertical Folding Toolbar”, Pages P42 And P43
3.		-	See “Rigid Toolbar Assembly” Pages P26-P29, Or “Wing And Hinge Assembly, Vertical Folding Toolbar” Pages P30-P33
4.	GD7101	1	Sleeve
5.	GA0262	1	Idler Sprocket W/Bearing, 15 Tooth
6.	G10009	1	Hex Head Cap Screw, ⅝"-11 x 2 ½"
	G10217	-	Washer, ⅝" USS (As Required)
	G10107	1	Lock Nut, ⅝"-11
7.	G3200-22	1	Chain, No. 2050, 22 Pitch Including Connector Link (Add To Chain When Using Front Mounted Drive. See “Drive Wheel Assembly” Page P34.)
	GR0195	-	Connector Link, No. 2050

DUAL LIFT ASSIST W/FLOATING CENTER MAST (OPTIONAL - VERTICAL FOLDING PLANTER)

PFA045/PLA015/HTA014/PFA043(MT8a)



DUAL LIFT ASSIST W/FLOATING CENTER MAST (OPTIONAL - VERTICAL FOLDING PLANTER)

ITEM	PART NO.	QTY.	DESCRIPTION
1.	GD1748	6	U-Bolt, 7" x 7" x ¾"-10
	G10231	12	Lock Washer, ¾"
	G10105	12	Hex Nut, ¾"-10
2.	GD8311	2	Pin, 1 ¼" x 10 ½"
	G10460	4	Cotter Pin, ¼" x 2"
3.	A5513	-	Wheel Tower **(Non-Stock Item)**
4.	A4713	-	Tube W/Grease Fittings **(Non-Stock Item)**
	G10641	-	Grease Fitting, ⅛" NPT
5.		-	See “Center Frame Assembly (Vertical Folding Toolbar)”, Pages P30 And P31
6.	GD0829	1	Spring
7.	GD7068	2	Cap
8.	G10032	2	Hex Head Cap Screw, ½"-13 x 3 ¾"
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
9.	GA4715	2	Caster Wheel
10.	G10026	4	Hex Head Cap Screw, ¾"-10 x 2"
	G10231	4	Lock Washer, ¾"
11.	GD1166	2	Valve Stem
12.	GA5196	2	Wheel W/Valve Protector, 5" x 15"
13.	GD0844	2	Tire, 7.60" x 15", 4 Ply (Specify Brand**)
14.	GA2558	2	Spindle
15.	GA0895	4	Bearing
16.	GR0270	12	Bolt, 9⁄16"-18
17.	GA2148	2	Hub W/Cups, 6 Bolt
	GR0434	-	Cup
18.	G10087	-	Jam Nut, 1 ½"-10, Grade 2
19.		-	See “Dual Lift Assist Cylinder”, Page P60
20.	G2501-08-08	2	Elbow, ¾"-16 JIC To ½" NPT
21.	G2404-08-08	2	Adapter, ¾"-16 JIC To ½" NPT
22.	G6500-08	2	Elbow, ¾"-16 JIC Male To Female
23.	*A1039	2	Hose Assembly, ⅜" x 76"
24.	G2603-08	2	Tee, ¾"-16 JIC
25.	*A1005	2	Hose Assembly, ⅜" x 48"
26.	*A1055	2	Hose Assembly, ⅜" x 66"
27.	GA4938	1	Pin, 1 ¼", Category 2
28.	G10048	1	Hex Head Cap Screw, ⅜"-16 x 2"
	G10229	1	Lock Washer, ⅜"
	G10101	1	Hex Nut, ⅜"-16
29.	GD7338	1	Bushing, 1", Category 2
30.	GD2557	2	Lynch Pin, 7⁄16"
31.	GA4666	1	Pin, 1 ¼", Category 3
32.	GA4972	1	Floating Mast
33.	GA4665	2	Pin
	G10468	2	Cotter Pin, ⅜" x 2"
34.	GA4701	-	Lower Hitch Point
35.	G2404-08-06	1	Adapter, ¾"-16 SIC To ⅜" NPT Male
36.		-	See "Flow Control Valve", Page P61
37.	G6505-06-08	1	Adapter, ¾"-16 JIC Female To ⅜" NPT Male
38.	GA7861	1	Breather Plug, ½" NPT
A.	GA2147	-	Hub Assembly (Items 10 And 14-18)

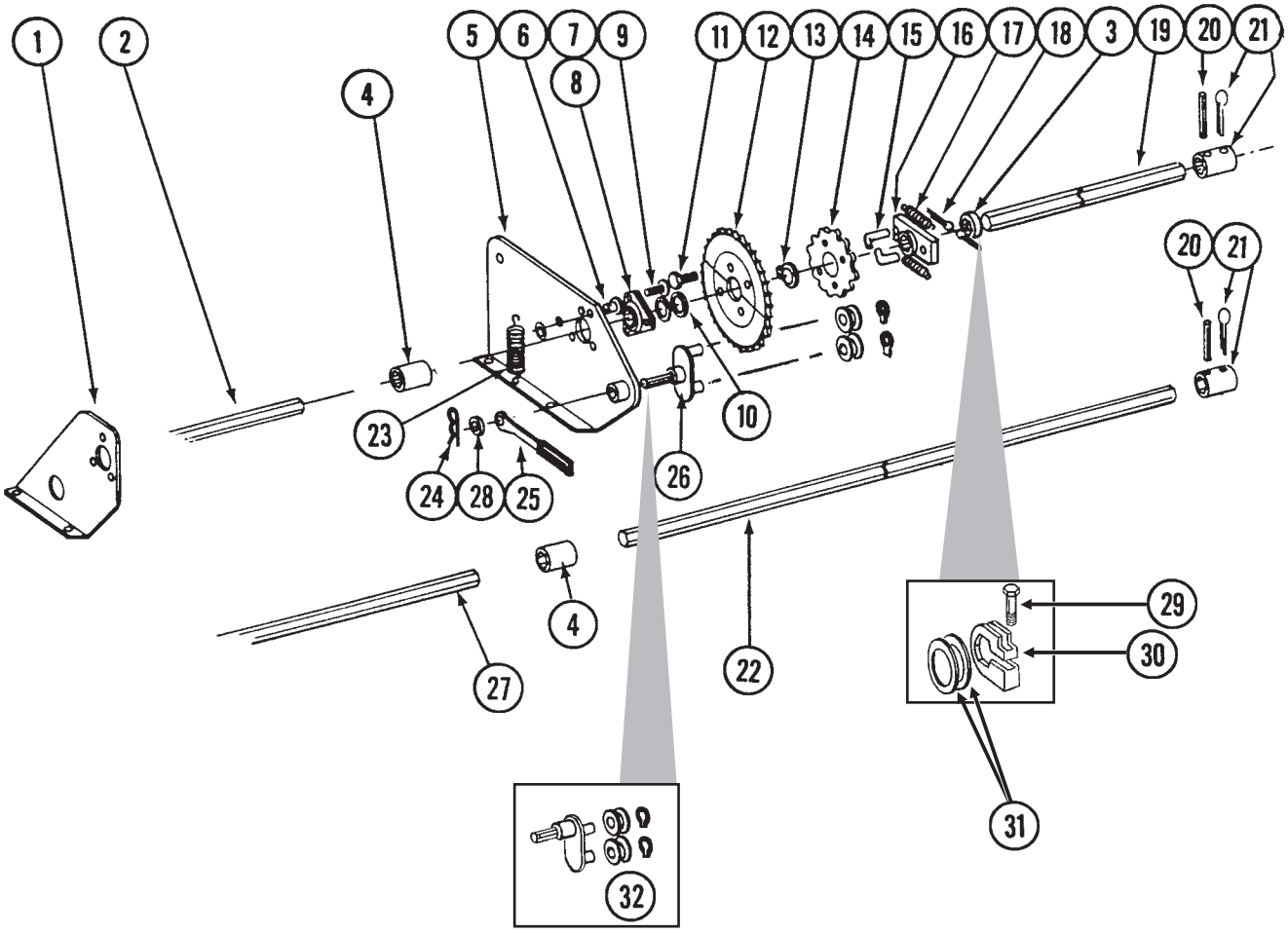
*** Hydraulic hose is not stocked by KINZE® repair parts, but can be made available on a special order basis. Call for quote.**

**** Specific brand requests will be supplied only as available from current KINZE® stock. If a specific brand is not on hand, the brand available will be supplied.**

DRIVELINE (RIGID TOOLBAR)

PTD062(MT9/PLTR128/MT28)

STYLE A (Used With All Style A Bolt-On Hitch Points And With Style B Bolt-On Hitch Points Prior To Serial No. 602707.)



ITEM	PART NO.	QTY.	DESCRIPTION
1.		-	See “Rigid Toolbar Assembly”, Pages P26-P29
2.	GD0914-120	1	Drive Shaft, 8 Row 36"/38"/40" And 10 Row 30" Only
3.	GD0917	2	Lock Collar, ⅞" Hex, Less Set Screws **(Sub G1K269)**
	G10145	-	Set Screw, ⅝"-18 x ½"
4.	GD2219	2	Lock Collar, 3", Less Set Screws, 8 Row 36"/38"/40" And 10 Row 30" Only
	G10145	-	Set Screw, ⅝"-18 x ½"
5.		-	See “Rigid Toolbar Assembly”, Pages P26-P29
6.	G10478	2	Clevis Pin, ⅝" x 1"
	G10409	2	Retaining Ring
7.	G2100-03	2	Bearing, ⅞" Hex Bore, Spherical
8.	G3400-01	4	Flangette
9.	G10303	6	Carriage Bolt, ⅝"-18 x 1"
	G10232	6	Lock Washer, ⅝"
	G10106	6	Hex Nut, ⅝"-18
10.	G10233	-	Machine Bushing
11.	G10002	-	Hex Head Cap Screw, ⅜"-16 x ¾"
	G10229	-	Lock Washer, ⅜"

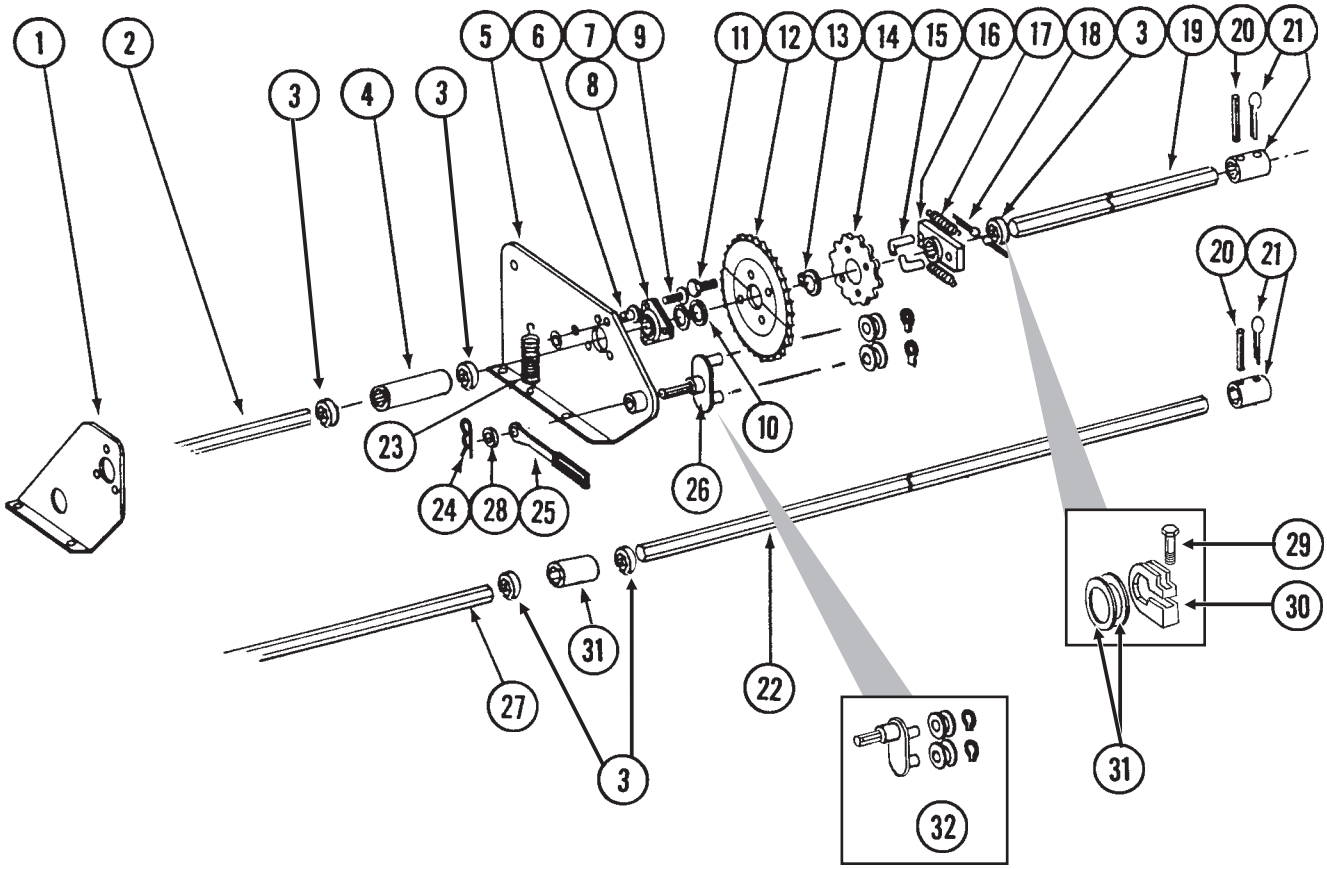
DRIVELINE (RIGID TOOLBAR)

ITEM	PART NO.	QTY.	DESCRIPTION
12.	GA2359	2	Sprocket, 48 Tooth, Half Rate (2 To 1) Drive Reduction
13.	G10430	2	Ring
14.	GA0376	2	Sprocket, 12 Tooth Ratchet
15.	GD1255	4	“L” Pin
16.	GA0378	2	Block
17.	GD1256	4	Spring
18.	G10464	4	Cotter Pin, 3⁄16" x 1"
19.	GD5887-82	1	Drive Shaft, 4 Row 30"
	GD5887-106	-	Drive Shaft, 4 Row 36"/38"/40"
	GD5887-142	-	Drive Shaft, 6 Row 30"
	GD5887-186	-	Drive Shaft, 6 Row 36"/38"/40"
	GD5887-202	-	Drive Shaft, 8 Row 30"
	GD5887-144	-	Drive Shaft, 8 Row 36"/38"/40"
	GD5887-140	-	Drive Shaft, 10 Row 30"
20.	G10602	2	Spring Pin, ¼" x 1 ½"
21.			See “Transmission Assembly”, Pages P44 And P45
22.	GD5887-105	1	Drill Shaft, 4 Row 30"
	GD5887-135	-	Drill Shaft, 4 Row 36"/38"/40"
	GD5887-165	-	Drill Shaft, 6 Row 30"
	GD5887-215	-	Drill Shaft, 6 Row 36"/38"/40"
	GD5887-225	-	Drill Shaft, 8 Row 30"
	GD5887-148	-	Drill Shaft, 8 Row 36"/38"/40"
	GD5887-144	-	Drill Shaft, 10 Row 30"
23.	GD5857	2	Spring
24.	G10670	2	Hair Pin Clip, No. 3
25.	GA4235	2	Ratchet Wrench W/Protective Closure
	G10445	-	Protective Closure
26.	GA0901	2	Idler W/Spools And Rings
	GD0916	-	Spool
	G10435	-	Ring
27.	GD5887-148	2	Drill Shaft, 8 Row 36"/38"/40" Only
	GD5887-144	-	Drill Shaft, 10 Row 30" Only
28.	GD6819	2	Sleeve
29.	G10031	-	Hex Head Cap Screw, 5⁄16"-18 x 1 ¾"
	G10620	-	Flange Nut, 5⁄16"-18
30.	GD11045	-	Lock Clamp
31.	G10233	-	Machine Bushing
32.	GA5545	-	Idler W/Spools And Rings, Half Rate (2 To 1) Drive Reduction
	GD0916	-	Spool
	G10435	-	Ring
A.	GA0261R	-	Ratchet Sprocket Assembly, R.H. (Items 13-18)
	GA0261L	-	Ratchet Sprocket Assembly, L.H. (Items 13-18)
B.	G1K269	-	Lock Clamp Kit (Items 29 And 30)

DRIVELINE (RIGID TOOLBAR)

PTD062(MT9a/PLTR124a/MT28)

STYLE B (Used With Style B Bolt-On Hitch Points Serial No. 602707 & On)



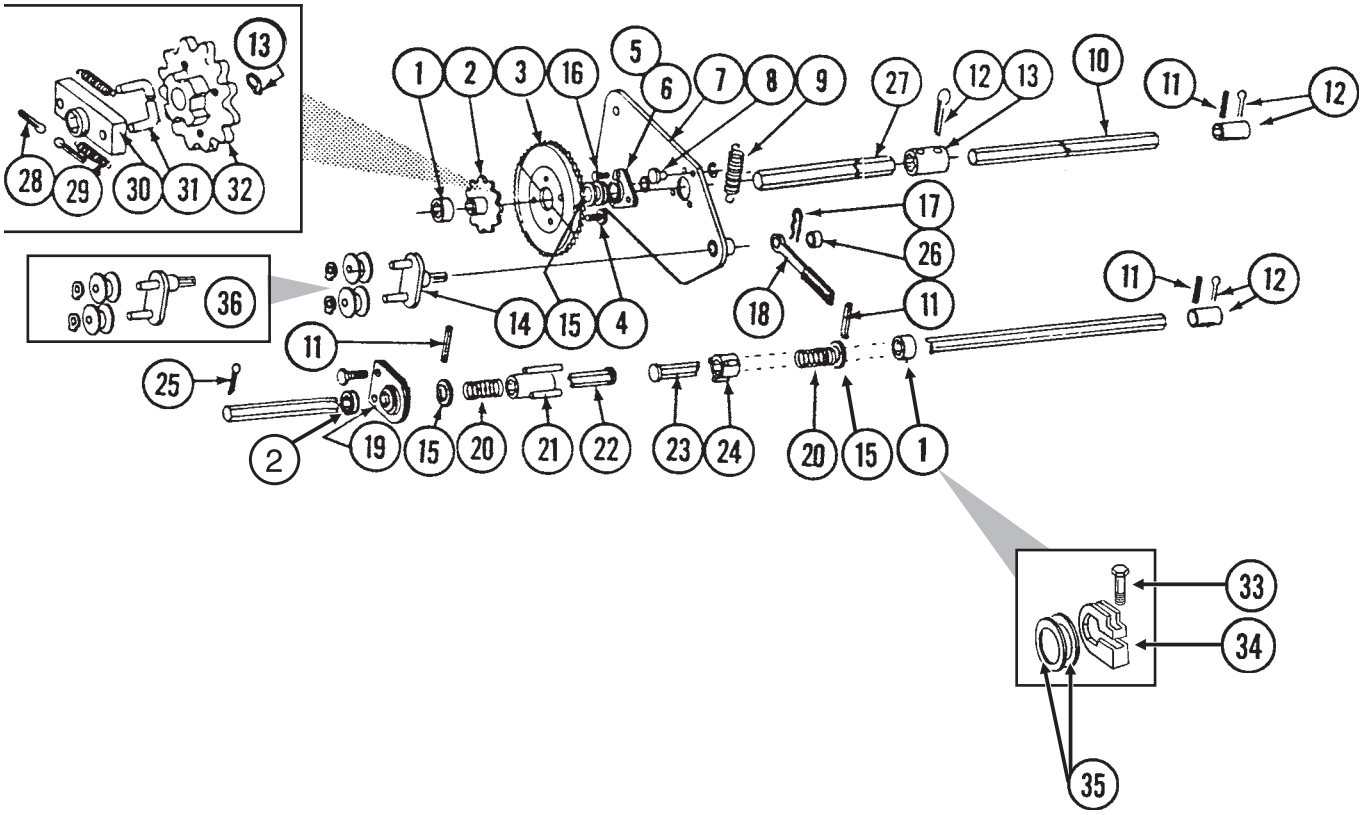
ITEM	PART NO.	QTY.	DESCRIPTION
1.		-	See “Rigid Toolbar Assembly”, Pages P28 And P29
2.	GD0914-120	1	Drive Shaft, 8 Row 36"/38"/40" And 10 Row 30" Only
3.	GD0917	6	Lock Collar, ⅞" Hex, Less Set Screws **(Sub G1K269)**
	G10145	-	Set Screw, 5⁄16"-18 x ½"
4.	GD7153	1	Coupler, 12"
5.		-	See “Rigid Toolbar Assembly”, Pages P28 And P29
6.	G10478	2	Clevis Pin, 5⁄16" x 1"
	G10409	2	Retaining Ring
7.	G2100-03	2	Bearing, ⅞" Hex Bore, Spherical
8.	G3400-01	4	Flangette
9.	G10303	6	Carriage Bolt, 5⁄16"-18 x 1"
	G10232	6	Lock Washer, 5⁄16"
	G10106	6	Hex Nut, 5⁄16"-18

DRIVELINE (RIGID TOOLBAR)

ITEM	PART NO.	QTY.	DESCRIPTION
10.	G10233	-	Machine Bushing
11.	G10002	-	Hex Head Cap Screw, ⅜"-16 x ¾"
	G10229	-	Lock Washer, ⅜"
12.	GA2359	2	Sprocket, 48 Tooth, Half Rate (2 To 1) Drive Reduction
13.	G10430	2	Ring
14.	GA0376	2	Sprocket, 12 Tooth Ratchet
15.	GD1255	4	"L" Pin
16.	GA0378	2	Block
17.	GD1256	4	Spring
18.	G10464	4	Cotter Pin, ³⁄₁₆" x 1"
19.	GD5887-82	1	Drive Shaft, 4 Row 30"
	GD5887-106	-	Drive Shaft, 4 Row 36"/38"/40"
	GD5887-142	-	Drive Shaft, 6 Row 30"
	GD5887-186	-	Drive Shaft, 6 Row 36"/38"/40"
	GD5887-202	-	Drive Shaft, 8 Row 30"
	GD5887-144	-	Drive Shaft, 8 Row 36"/38"/40"
	GD5887-140	-	Drive Shaft, 10 Row 30"
20.	G10602	2	Spring Pin, ¼" x 1 ½"
21.			See "Transmission Assembly", Pages P44 And P45
22.	GD5887-105	1	Drill Shaft, 4 Row 30"
	GD5887-135	-	Drill Shaft, 4 Row 36"/38"/40"
	GD5887-165	-	Drill Shaft, 6 Row 30"
	GD5887-215	-	Drill Shaft, 6 Row 36"/38"/40"
	GD5887-225	-	Drill Shaft, 8 Row 30"
	GD5887-148	-	Drill Shaft, 8 Row 36"/38"/40"
	GD5887-144	-	Drill Shaft, 10 Row 30"
23.	GD5857	2	Spring
24.	G10670	2	Hair Pin Clip, No. 3
25.	GA4235	2	Ratchet Wrench W/Protective Closure
	G10445	-	Protective Closure
26.	GA0901	2	Idler W/Spools And Rings
	GD0916	-	Spool
	G10435	-	Ring
27.	GD5887-148	2	Drill Shaft, 8 Row 36"/38"/40" Only
	GD5887-144	-	Drill Shaft, 10 Row 30" Only
28.	GD6819	2	Sleeve
29.	G10031	6	Hex Head Cap Screw, ⁵⁄₁₆"-18 x 1 ¾"
	G10620	6	Flange Nut, ⁵⁄₁₆"-18
30.	GD11045	6	Lock Clamp
31.	G10233	1	Machine Bushing
32.	GA5545	-	Idler W/Spools And Rings, Half Rate (2 To 1) Drive Reduction
	GD0916	-	Spool
	G10435	-	Ring
A.	GA0261R	-	Ratchet Sprocket Assembly, R.H. (Items 13-18)
	GA0261L	-	Ratchet Sprocket Assembly, L.H. (Items 13-18)
B.	G1K269	-	Lock Clamp Kit (Items 29 And 30)

DRIVELINE (VERTICAL FOLDING TOOLBAR)

PTD063/PLA008(MT10/MT29)



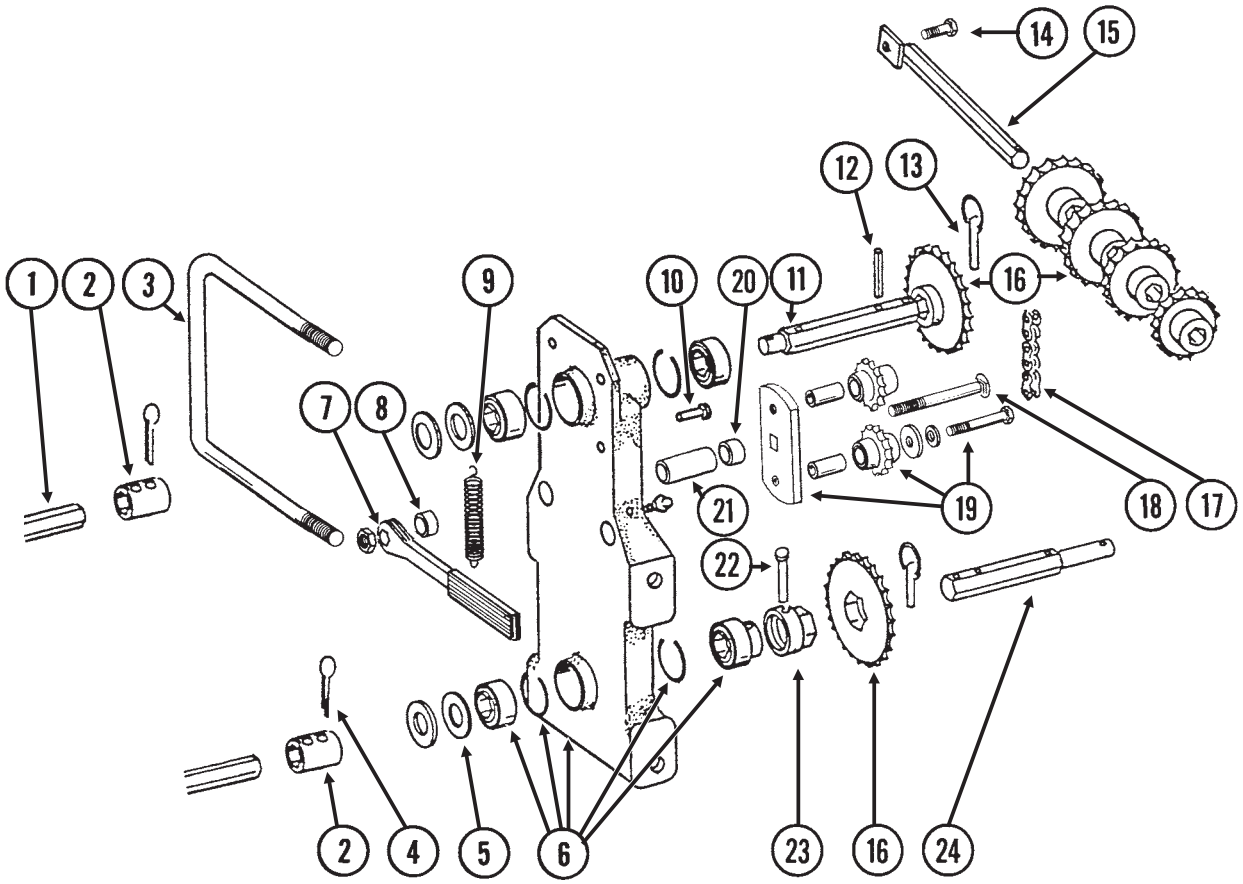
ITEM	PART NO.	QTY.	DESCRIPTION
1.	GD0917	4	Lock Collar, ⅞" Hex, Less Set Screws **(Sub G1K269)**
	G10145	-	Set Screw, 5⁄16"-18 x ½"
2.	G2500-18	-	Sprocket, 12 Tooth
3.	GA2359	-	Sprocket, 48 Tooth, Half Rate (2 To 1) Drive Reduction
4.	G10002	-	Hex Head Cap Screw, ⅜"-16 x ¾"
	G10229	-	Lock Washer, ⅜"
5.	G2100-03	-	Bearing, ⅞" Hex Bore, Spherical
6.	G3400-01	-	Flangette
7.		-	See “Wing And Hinge Assembly, Vertical Folding Toolbar”, Pages P32 And P33
8.	G10478	-	Clevis Pin, 5⁄16" x 1"
	G10409	-	Retaining Ring
9.	GD5857	-	Spring
10.	GD5887-36	2	Drive Shaft, 8 Row 36"/38"/40"
	GD6825-24	2	Drive Shaft, 12 Row 30"

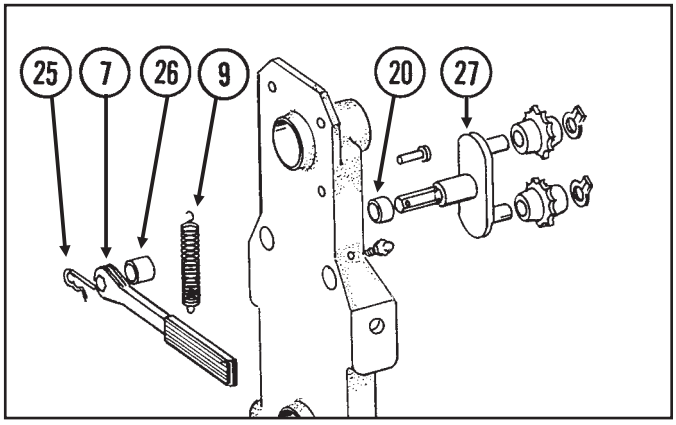
DRIVELINE (VERTICAL FOLDING TOOLBAR)

ITEM	PART NO.	QTY.	DESCRIPTION
11.	G10602	-	Spring Pin, ¼" x 1 ½"
12.			See “Transmission Assembly”, Pages P44 And P45
13.	G10430	-	Ring
14.	GA0901	-	Idler W/Spools And Rings (Shown)
	GD0916	-	Spool
	G10435	-	Ring
15.	G10233	-	Machine Bushing
16.	G10303	-	Carriage Bolt, 5⁄16"-18 x 1"
	G10232	-	Lock Washer, 5⁄16"
	G10106	-	Hex Nut, 5⁄16"-18
17.	G10670	-	Hair Pin Clip, No. 3
18.	GA4235	-	Ratchet Wrench W/Protective Closure
	G10445	-	Protective Closure
19.	GA2180	-	Bearing Hanger, 7⁄8" Hex
20.	GD2962	-	Spring
21.	GA5713	2	Coupler W/Grease Fitting, 6"
	G10641	-	Grease Fitting, 1⁄8" NPT
22.	GA5705	1	Center Section Drill Shaft, 60", R.H., 8 Row 36"/38"/40"
	GA5706	1	Center Section Drill Shaft, 50", L.H., 8 Row 36"/38"
	GA6540	-	Center Section Drill Shaft, 51", L.H., 8 Row 40"
	GA5708	-	Center Section Drill Shaft, 82", R.H., 12 Row 30"
	GA5709	-	Center Section Drill Shaft, 72", L.H., 12 Row 30"
23.	GA5704	2	Wing Drill Shaft, 68 ½", 8 Row 36"/38"
	GA6539	-	Wing Drill Shaft, 72 ½", 8 Row 40"
	GA5707	-	Wing Drill Shaft, 81", 12 Row 30"
24.	GA5712	2	Coupler W/Grease Fitting, 5"
	G10641	-	Grease Fitting, 1⁄8" NPT
25.	G10463	-	Cotter Pin, ¼" x 1 ½"
26.	GD6819	-	Sleeve
27.	GD5887-30	-	Drive Shaft, 12 Row 30" Only
28.	G10464	-	Cotter Pin, 3⁄16" x 1"
29.	GD1256	-	Spring
30.	GA0378	-	Block
31.	GD1255	-	“L” Pin
32.	GA0376	-	Sprocket, 12 Tooth Ratchet
33.	G10031	-	Hex Head Cap Screw, 5⁄16"-18 x 1 ¾"
	G10620	-	Flange Nut, 5⁄16"-18
34.	GD11045	-	Lock Clamp
35.	G10233	-	Machine Bushing
36.	GA5545	-	Idler W/Spools And Rings, Half Rate (2 to 1) Drive Reduction
	GD0916	-	Spool
	G10435	-	Ring
A.	GA0261R	-	Ratchet Sprocket Assembly, R.H. (Items 13 And 28-32)
	GA0261L	-	Ratchet Sprocket Assembly, L.H.
B.	G1K269	-	Lock Clamp Kit (Items 33 and 34)

TRANSMISSION ASSEMBLY

PTD041/PTD066(MT18/PT8b)





ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1.		-	See “Driveline”, Pages P38-P43
2.	GD5886	2	Coupler, 1 ¾"
3.	GD1114	1	U-Bolt, 7" x 7" x ⅝"-11
	G10107	2	Lock Nut, ⅝"-11
4.	G10460	2	Cotter Pin, ¼" x 2"
5.	G10233	4	Machine Bushing

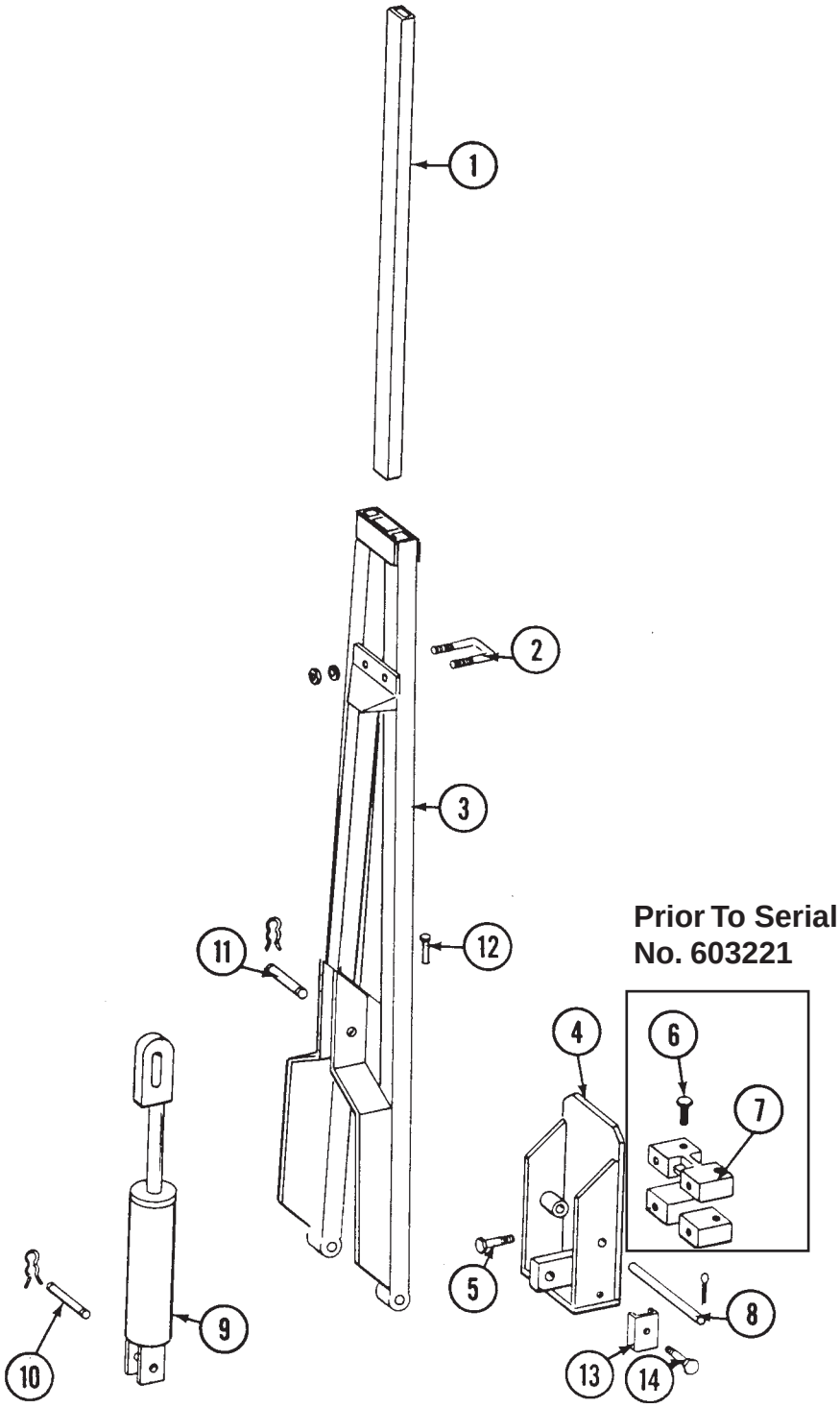
TRANSMISSION ASSEMBLY

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
6.	GA5629	1	Transmission Plate W/Bearings, Grease Fittings And Retaining Rings
	GA5116	3	Bearing, 7/8" Hex Bore, Cylindrical
	GA5624	1	Special Bearing, 7/8" Hex Bore x 1.6"
	GD6551	4	Ring
	G10641	-	Grease Fitting, 1/8" NPT
7.	GA4235	1	Ratchet Wrench W/Protective Closure
	G10445	-	Protective Closure
8.	GD10161	1	Spacer, 3/8"
9.	GD5857	1	Spring
10.	G10478	1	Clevis Pin, 5/16" x 1"
	G10409	1	Retaining Ring, 5/16"
11.	GD5215	1	Shaft, 7/8" x 6 3/8"
12.	G10602	3	Spring Pin, 1/4" x 1 1/2"
13.	GD2558	3	Lynch Pin, 1/4"
14.	G10037	1	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
	G10228	1	Lock Washer, 1/2"
	G10102	1	Hex Nut, 1/2"-13
15.	GA5146	1	Sprocket Storage Rod
16.	GA5106	1	Sprocket, 17 Tooth
	GA5107	1	Sprocket, 19 Tooth
	GA5108	2	Sprocket, 23 Tooth
	GA5109	1	Sprocket, 24 Tooth
	GA5110	1	Sprocket, 25 Tooth
	GA5111	1	Sprocket, 26 Tooth
	GA5112	1	Sprocket, 27 Tooth
	GA5113	1	Sprocket, 28 Tooth
17.	G3310-80	1	Chain, No. 40, 80 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
18.	G10867	1	Carriage Bolt, 1/2"-13 x 5"
	G10111	1	Lock Nut, 1/2"-13
19.	GA7336	1	Idler W/Bolt-On Sprockets
	GD7426	-	Sprocket
	GD1026	-	Spacer, 1 3/16"
	G10210	-	Washer, 3/8" USS
	G10229	-	Lock Washer, 3/8"
	G10047	-	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
20.	GD2734-01	1	Sleeve, 1/2"
21.	GD3180-16	1	Sleeve, 2 13/15"
22.	G10821	1	Clevis Pin, 3/16" x 2"
	G10099	1	Cotter Pin, 3/32" x 1/2"
23.	GD7127	1	Shear Coupler
24.	GD7822	1	Shaft, 7/8" x 7"
25.	G10670	1	Hair Pin Clip, No. 3
26.	GD6819	1	Sleeve
27.	GA5628	1	Idler W/Sprockets And Rings
	GD7426	-	Sprocket
	G10435	-	Ring
A.	GA5495	-	Transmission Assembly (Items 2-24)

MARKER ASSEMBLY, CONVENTIONAL
4 ROW 30"/36"/38"/40" AND 6 ROW 30"

MKR010(MKR1)

RIGID FRAME TOOLBAR



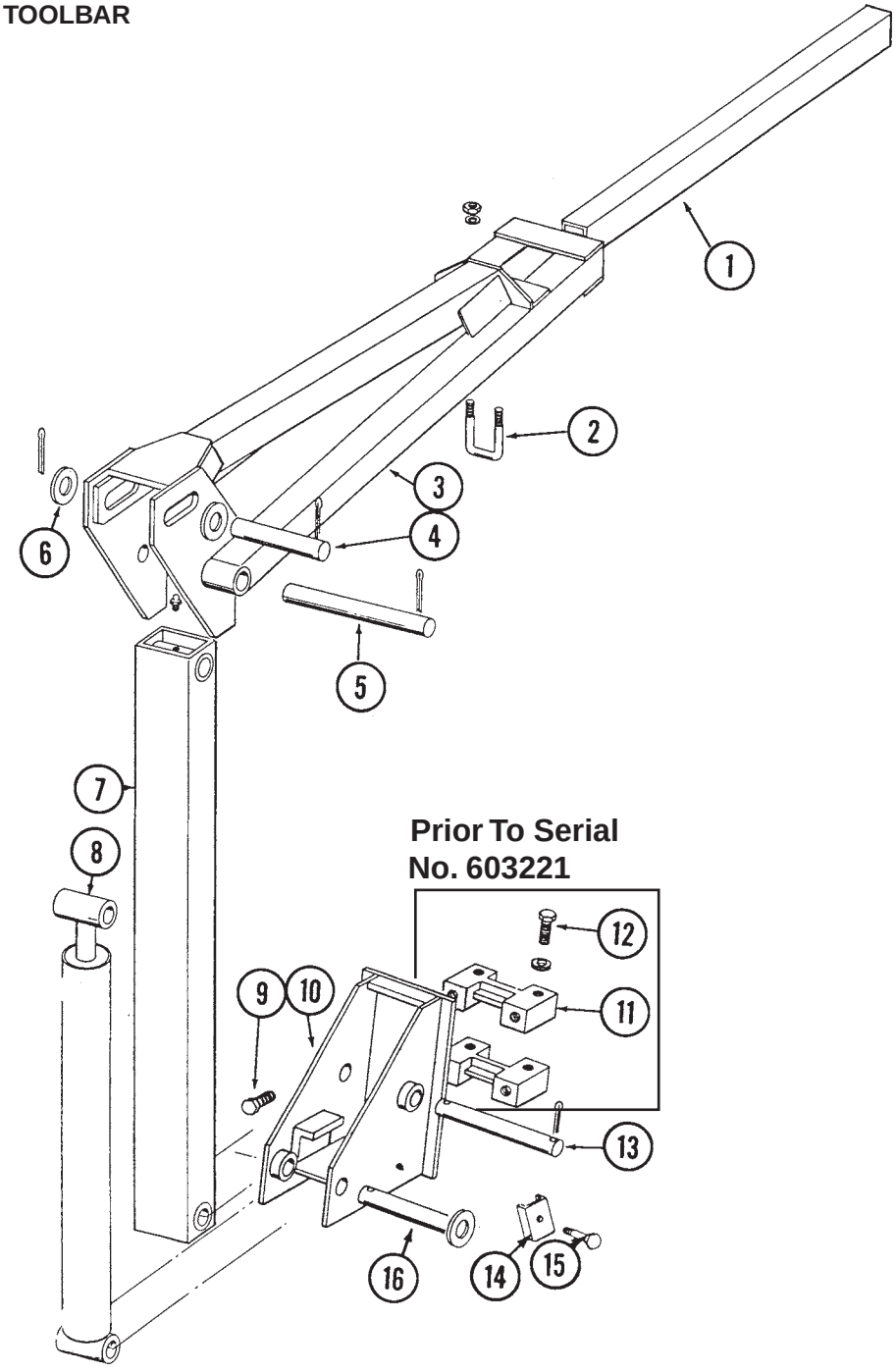
MARKER ASSEMBLY, CONVENTIONAL
4 ROW 30"/36"/38"/40" AND 6 ROW 30"

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1.	GD0453-02	1	Extension Tube, 40", 4 Row 30" And 6 Row 30"
	GD0453-03	-	Extension Tube, 50", 4 Row 36"/38"/40"
2.	GD2721	1	U-Bolt, 2" x 2" x ½"-13
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
3.	GA5175	1	Arm W/Grease Fittings, 31 ½", 4 Row 30"
	GA5184	-	Arm W/Grease Fittings, 44 ½", 4 Row 36"/38"/40"
	GA5183	-	Arm W/Grease Fittings, 58 ½", 6 Row 30"
	G10640	-	Grease Fitting, ¼"-28
4.	GA5177	1	Mount W/Grease Fittings, 4 Row 30"
	GA5178	-	Mount, 4 Row 36"/38"/40" And 6 Row 30"
	G10640	-	Grease Fitting, ¼"-28
5.	G10008	4	Hex Head Cap Screw, ⅝"-11 x 2"
	G10230	4	Lock Washer, ⅝"
6.	G10026	4	Hex Head Cap Screw, ¾"-10 x 2"
	G10231	4	Lock Washer, ¾"
7.	GB0177	2	Tap Block
8.	GD0438	1	Pin, 13 ½"
	G10460	2	Cotter Pin, ¼" x 2"
9.		-	See “Marker Cylinder”, Page P58
10.	GR0367	1	Pin, 2 ⅞"
	GR0193	2	Clip
11.	GR0375	1	Pin, 3 ½"
	GR0193	2	Clip
12.	GD0462	1	Safety Lockup Pin
	G10670	1	Hair Pin Clip, No. 3
	G10187	1	Spring Pin, 5⁄32" x 2"
13.	GD5892	1	Hose Clamp, ⅝" x 1 ½" x 1 ½"
14.	G10133	1	Hex Head Cap Screw, 5⁄16"-18 x 1 ½"
	G10232	1	Lock Washer, 5⁄16"
	G10106	1	Hex Nut, 5⁄16"-18

MARKER ASSEMBLY, TWO-FOLD LOW PROFILE 6 ROW 36"/38"/40", 8 ROW 30"/36"/38"/40" AND 10 ROW 30"

MKR019/MKR008(MKR2)

RIGID FRAME TOOLBAR



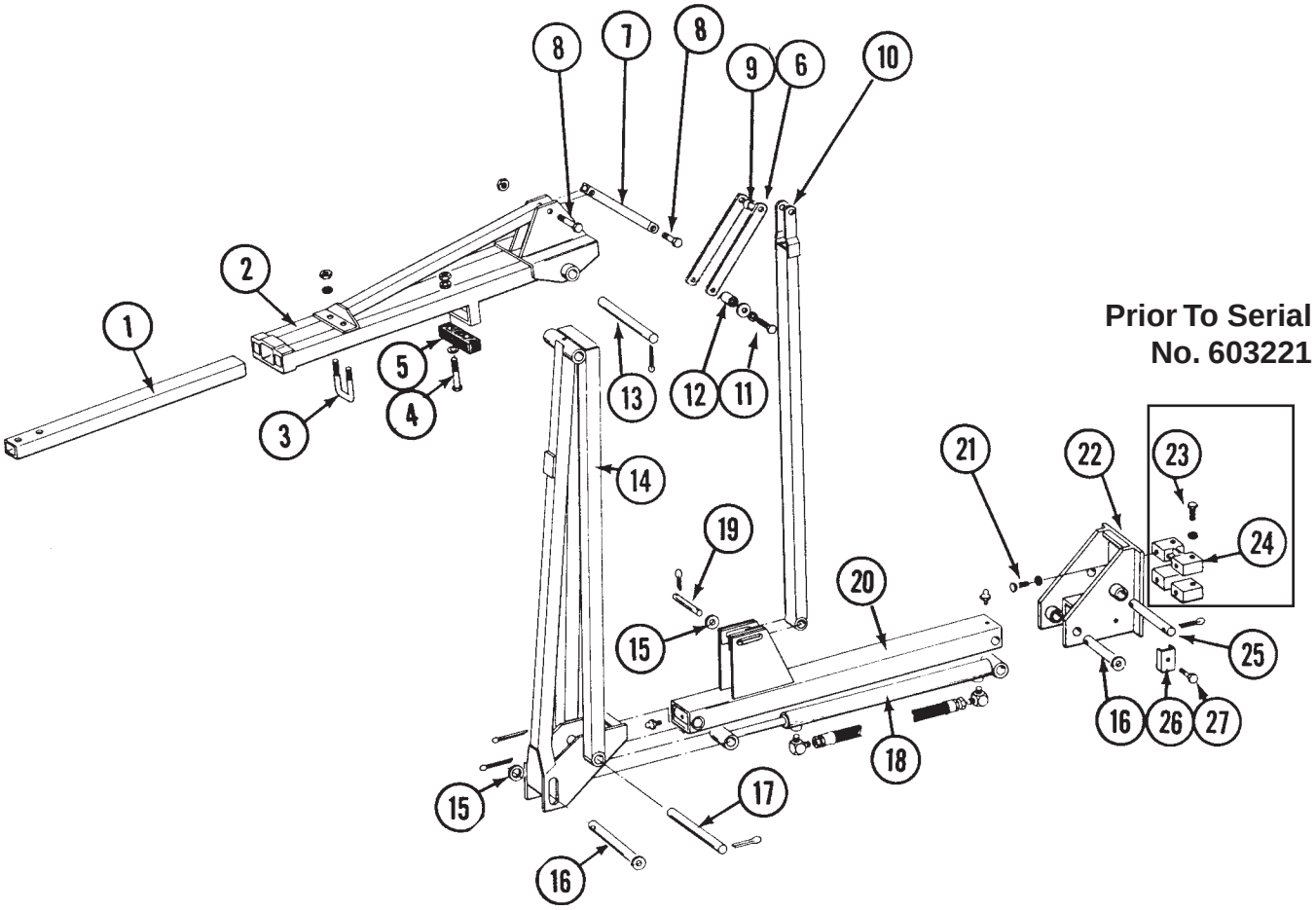
MARKER ASSEMBLY, TWO-FOLD LOW PROFILE 6 ROW 36"/38"/40", 8 ROW 30"/36"/38"/40" AND 10 ROW 30"

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1.	GD0453-04	1	Extension Tube, 60", 6 Row 36"/38"/40"
	GD0453-03	-	Extension Tube, 50", 8 Row 30"
	GD0453-08	-	Extension Tube, 65", 8 Row 36"/38"/40" And 10 Row 30"
2.	GD2721	1	U-Bolt, 2" x 2" x ½"-13
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
3.	GA5190	1	Arm, Second Stage, 41 ½", 6 Row 36"/38"/40"
	GA5188	-	Arm, Second Stage, 52 ½", 8 Row 30"
	GA5192	-	Arm, Second Stage, 73 ⅛", 8 Row 36"/38"/40" And 10 Row 30"
4.	GD2161	1	Pin, 1 ¼" x 8 ½"
	G10460	2	Cotter Pin, ¼" x 2"
5.	GD3214	1	Pin, 1 ¼" x 12 1/4"
	G10460	2	Cotter Pin, ¼" x 2"
6.	G10226	2	Washer, 1 ¼" SAE
7.	GA5173	1	Arm W/Grease Fittings, First Stage
	G10641	-	Grease Fitting, ⅛" NPT
8.		-	See “Marker Cylinder”, Page P58
9.	G10879	4	Flanged 12 Point Bolt, ⅝"-11 x 2", Special Hardened
10.	GA5130	1	Mount
11.	GB0177	2	Tap Block
12.	G10026	4	Hex Head Cap Screw, ¾"-10 x 2"
	G10231	4	Lock Washer, ¾"
13.	GD0652	1	Pin, 1 ¼" x 9 ½"
	G10460	2	Cotter Pin, ¼" x 2"
14.	GD5875	1	Hose Clamp, 9⁄16" x 2 ½" x 2"
15.	G10133	1	Hex Head Cap Screw, 5⁄16"-18 x 1 ½"
	G10232	1	Lock Washer, 5⁄16"
	G10106	1	Hex Nut, 5⁄16"-18
16.	GA6532	1	Pin, 1 ¼" x 7 ⅝"
	G10460	1	Cotter Pin, ¼" x 2"

MARKER ASSEMBLY, THREE-FOLD LOW PROFILE 8 ROW 36"/38"/40" AND 12 ROW 30"

MKR021/MKR012/MKR008(MKR8)

VERTICAL FOLDING TOOLBAR



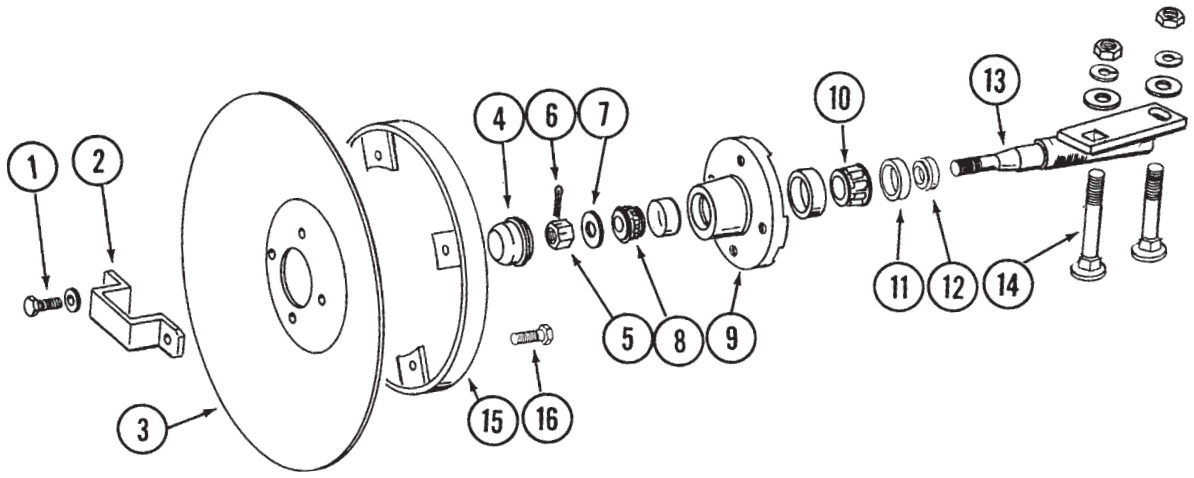
Prior To Serial No. 603221

MARKER ASSEMBLY, THREE-FOLD LOW PROFILE 8 ROW 36"/38"/40" AND 12 ROW 30"

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1.	GD0453-05	1	Extension Tube, 55", 8 Row 36"/38"/40"
	GD0453-03	-	Extension Tube, 50", 12 Row 30"
2.	GA4905	1	Arm, Third Stage, 19 ½", 8 Row 36"/38"/40"
	GA4887	-	Arm, Third Stage, 35",12 Row 30"
3.	GD2721	1	U-Bolt, 2" x 2" x ½"-13
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
4.	G10047	2	Hex Head Cap Screw, ⅜"-16 x 1 ¾"
	G10048	-	Hex Head Cap Screw, ⅜"-16 x 2"
	G10210	2	Washer, ⅜" USS
	G10229	2	Lock Washer, ⅜"
	G10101	2	Hex Nut, ⅜"-16
5.	GD2698	1	Rubber Stop
	GD7902	-	Spacer Bar (If Applicable) (Not Shown)
6.	GD8290	2	Bar
7.	GA4894	1	Linkage, 15 ¼"
8.	G10013	2	Hex Head Cap Screw, ⅝"-11 x 3 ½"
	G10107	2	Lock Nut, ⅝"-11
9.	GD3180-08	1	Sleeve
10.	GA4910	1	Linkage Tube, 54 ¾", 8 Row 36"/38"/40"
	GA4893	-	Linkage Tube, 72 ¾", 12 Row 30"
11.	G10002	1	Hex Head Cap Screw, ⅜"-16 x ¾"
	G10229	1	Lock Washer, ⅜"
	G10210	1	Washer, ⅜" USS
12.	GD7398	1	Pin
13.	GD2697	1	Pin, ⅞" x 11"
	G10463	2	Cotter Pin, ½" x 1 ½"
14.	GA4903	1	Arm, Second Stage, 60", 8 Row 36"/38"/40"
	GA4885	-	Arm, Second Stage, 78", 12 Row 30"
15.	G10226	3	Washer, 1 ¼" SAE
16.	GA6532	2	Pin, 1 ¼" x 7 ⅝"
	G10460	2	Cotter Pin, ¼" x 2"
17.	GD3214	1	Pin, 1 ¼" x 12 ¼"
	G10460	2	Cotter Pin, ¼" x 2"
18.		-	See “Marker Cylinder”, Page P59
19.	GD6136	1	Pin, 1 ¼" x 5"
	G10460	2	Cotter Pin, ¼" x 2"
20.	GA4884	1	Arm W/Grease Fittings, First Stage
	G10641	-	Grease Fitting, ⅛" NPT
21.	G10879	4	Flanged 12 Point Bolt, ⅝"-11 x 2", Special Hardened
22.	GA5130	1	Mount
23.	G10026	4	Hex Head Cap Screw, ¾"-10 x 2"
	G10231	4	Lock Washer, ¾"
24.	GB0177	2	Tap Block
25.	GD0652	1	Pin, 1 ¼" x 9 ½"
	G10460	2	Cotter Pin, ¼" x 2"
26.	GD5875	1	Hose Clamp, 9⁄16" x 2 ½" x 2"
27.	G10133	1	Hex Head Cap Screw, 5⁄16"-18 x 1 ½"
	G10232	1	Lock Washer, 5⁄16"
	G10106	1	Hex Nut, 5⁄16"-18

MARKER SPINDLE/HUB/BLADE

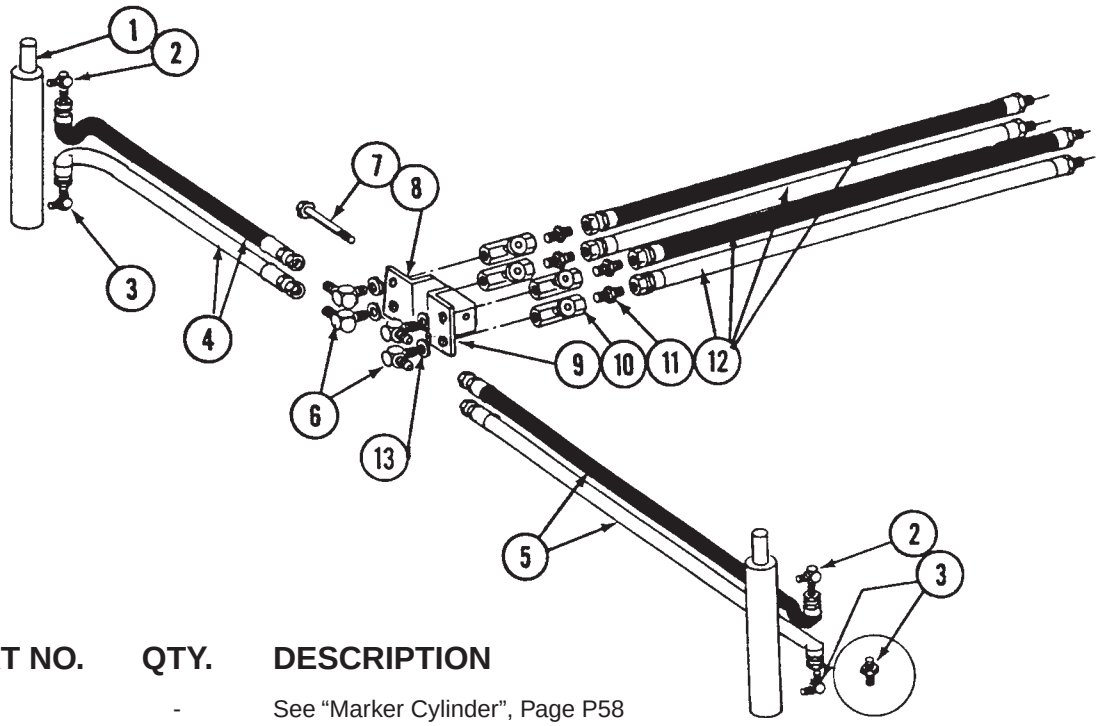
MKR020(MKR4)



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1.	G10722	4	Hex Head Cap Screw, ½"-20 x 1"
	G10228	4	Lock Washer, ½"
2.	GD2597	1	Retainer
3.	GD0746	1	Solid Blade, 16" (Shown)
	GD10283	-	Notched Blade, 16" (Optional)
4.	GD0840	1	Cap
5.	G10725	1	Hex Slotted Nut, ⅝"-18
6.	G10544	1	Cotter Pin, 5⁄32" x 1"
7.	G10724	1	Washer, ⅝"
8.	GA0257	1	Outer Bearing
9.	GA0167	1	Hub With Cups
	GR0151	-	Outer Cup
	GR0150	-	Inner Cup
10.	GA0245	1	Inner Bearing
11.	GA0243	1	Grease Seal
12.	GA0899	1	Rubber Seal
13.	GA1677	1	Spindle, L.H. (Shown)
	GA1676	-	Spindle, R.H.
14.	G10844	2	Carriage Bolt, ½"-13 x 3 ½"
	G10168	2	Machine Bushing, ½", 7 Gauge
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
15.	GA5853	1	Depth Band
16.	G10019	4	Hex Head Cap Screw, 5⁄16"-18 x 1"
	G10109	4	Lock Nut, 5⁄16"-18
A.	GA1679	-	Hub And Spindle Assembly, L.H. (Items 1, 2 And 4-13)
	GA1678	-	Hub And Spindle Assembly, R.H. (Items 1, 2 And 4-13)

HYDRAULIC SYSTEM (RIGID TOOLBAR), DUAL VALVE (Prior To Serial No. 602707)

PHS033(MT12)

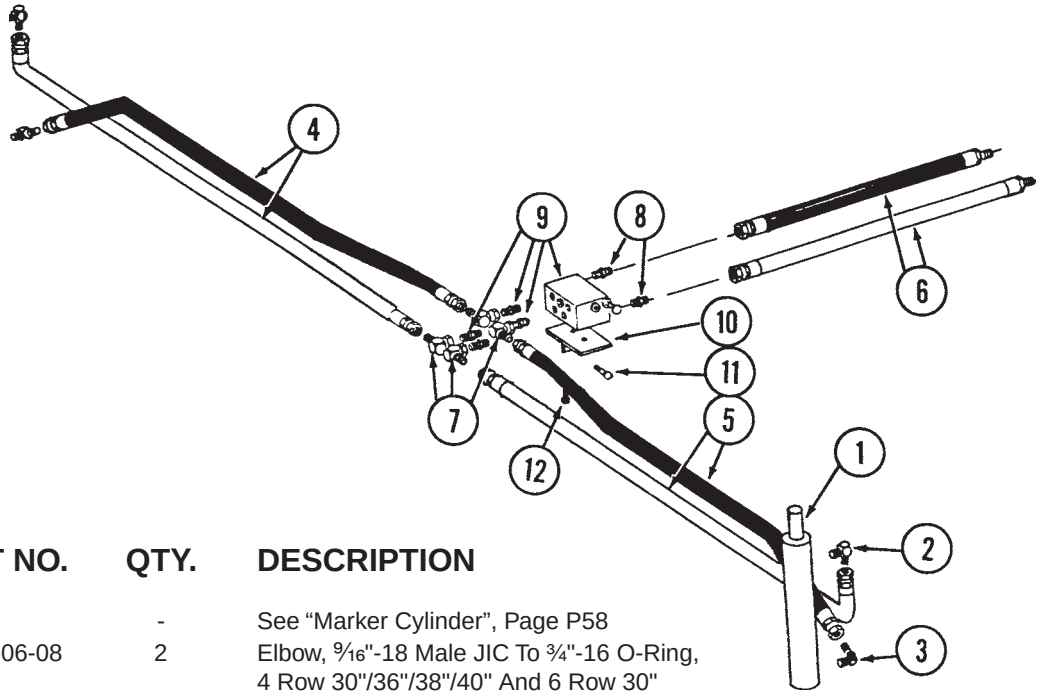


ITEM	PART NO.	QTY.	DESCRIPTION
1.		-	See “Marker Cylinder”, Page P58
2.	G6801-06-08	2	Elbow, 9/16"-18 Male JIC To 3/4"-16 O-Ring, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6801-08	-	Elbow, 3/4"-16 Male JIC To 3/4"-16 O-Ring, 6 Row 36"/38"/40" And 8 Row 30"/40"
3.	G6801-06-08	2	Elbow, 9/16"-18 Male JIC To 3/4"-16 O-Ring, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6400-08	-	Connector, 3/4"-16 Male O-Ring To JIC, 6 Row 36"/38"/40" And 8 Row 30"/40"
4.	*A1150	2	Hose Assembly, 1/4" x 103", 4 Row 30"
	*A1134	-	Hose Assembly, 1/4" x 116", 4 Row 36"/38"/40"
	*A1106	-	Hose Assembly, 1/4" x 130", 6 Row 30"
	*A3114	-	Hose Assembly, 3/8" x 156", 6 Row 36"/38"/40"
	*A1049	-	Hose Assembly, 3/8" x 160", 8 Row 30"
	*A3154	-	Hose Assembly, 3/8" x 196", 8 Row 40" And 10 Row 30"
5.	*A1170	2	Hose Assembly, 1/4" x 90", 4 Row 30"
	*A1172	-	Hose Assembly, 1/4" x 105", 4 Row 36"/38"/40"
	*A1168	-	Hose Assembly, 1/4" x 120", 6 Row 30"
	*A3115	-	Hose Assembly, 3/8" x 146", 6 Row 36"/38"/40"
	*A1013	-	Hose Assembly, 3/8" x 150", 8 Row 30"
	*A1028	-	Hose Assembly, 3/8" x 186", 8 Row 40" And 10 Row 30"
6.	G5701-06-06	4	Swivel Elbow, 90°, 9/16"-18 Male JIC To 3/8" NPT, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G5701-08-06	-	Swivel Elbow, 90°, 3/4"-16 Male JIC To 3/8" NPT, 6 Row 36"/38"/40", 8 Row 30"/40" And 10 Row 30"
7.	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
8.	D7037	-	Mounting Bracket, L.H. **(Non-Stock Item)**
9.	D7036	-	Mounting Bracket, R.H. **(Non-Stock Item)**
10.		-	See “Flow Control Valve”, Page P61
11.	G2404-06-06	4	Adapter, 9/16"-18 Male JIC To 3/8" NPT, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G2404-08-06	-	Adapter, 3/4"-16 Male JIC To 3/8" NPT, 6 Row 36"/38"/40", 8 Row 30"/40" And 10 Row 30"
12.	*A1101	4	Hose Assembly, 1/4" x 48", 4 Row 30"/36"/38"/40" And 6 Row 30"
	*A1005	-	Hose Assembly, 3/8" x 48", 6 Row 36"/38"/40", 8 Row 30"/40" And 10 Row 30"
13.	G10215	4	Machine Bushing, 1 1/4" O.D.

*** Hydraulic hose is not stocked by KINZE® Repair Parts, but can be made available on a special order basis. Call for quote.**

HYDRAULIC SYSTEM (RIGID TOOLBAR), OPTIONAL SINGLE VALVE (Prior To Serial No. 602707)

PHS034(MT13)

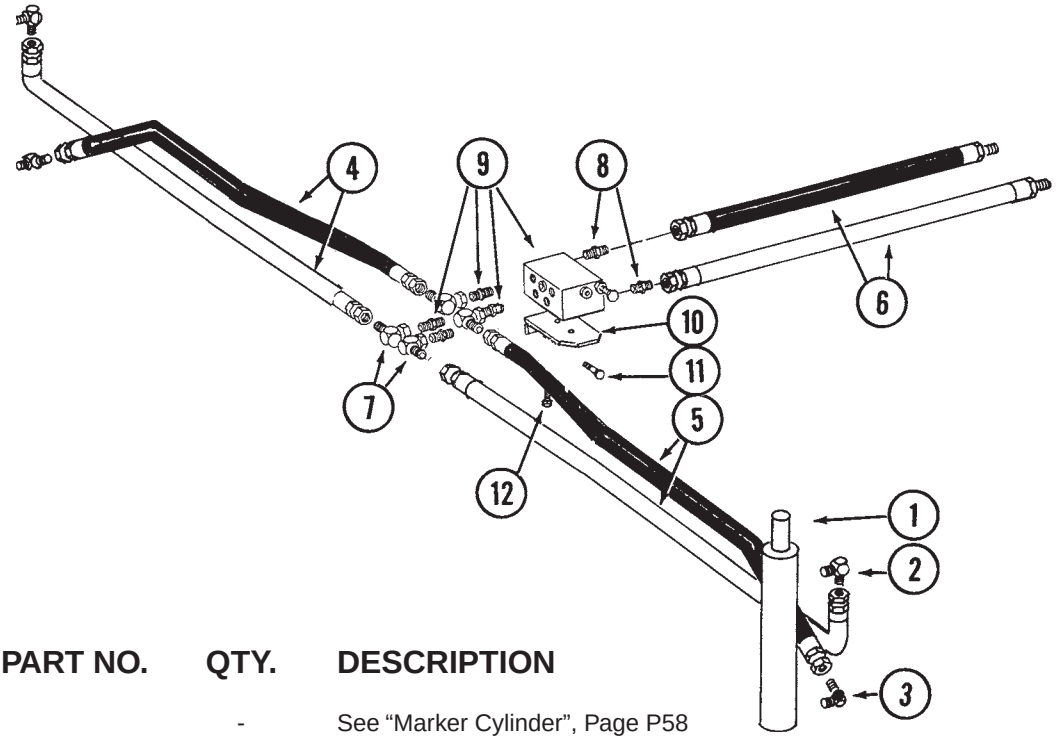


ITEM	PART NO.	QTY.	DESCRIPTION
1.		-	See “Marker Cylinder”, Page P58
2.	G6801-06-08	2	Elbow, 9/16"-18 Male JIC To 3/4"-16 O-Ring, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6801-08	-	Elbow, 3/4"-16 Male JIC To 3/4"-16 O-Ring, 6 Row 36"/38"/40", 8 Row 30"/40" And 10 Row 30"
3.	G6801-06-08	2	Elbow, 9/16"-18 Male JIC To 3/4"-16 O-Ring, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6400-08	-	Connector, 3/4"-16 Male O-Ring To JIC, 6 Row 36"/38"/40", 8 Row 30"/36"/38"/40" And 10 Row 30"
4.	*A1150	2	Hose Assembly, 1/4" x 103", 4 Row 30"
	*A1134	-	Hose Assembly, 1/4" x 116", 4 Row 36"/38"/40"
	*A1106	-	Hose Assembly, 1/4" x 130", 6 Row 30"
	*A3114	-	Hose Assembly, 3/8" x 156", 6 Row 36"/38"/40"
	*A1049	-	Hose Assembly, 3/8" x 160", 8 Row 30"
	*A3154	-	Hose Assembly, 3/8" x 196", 8 Row 40" And 10 Row 30"
5.	*A1170	2	Hose Assembly, 1/4" x 90", 4 Row 30"
	*A1172	-	Hose Assembly, 1/4" x 105", 4 Row 36"/38"/40"
	*A1168	-	Hose Assembly, 1/4" x 120", 6 Row 30"
	*A3115	-	Hose Assembly, 3/8" x 146", 6 Row 36"/38"/40"
	*A1013	-	Hose Assembly, 3/8" x 150", 8 Row 30"
	*A1028	-	Hose Assembly, 3/8" x 186", 8 Row 40" And 10 Row 30"
6.	*A1101	2	Hose Assembly, 1/4" x 48", 4 Row 30"/36"/38"/40" And 6 Row 30"
	*A1005	-	Hose Assembly, 3/8" x 48", 6 Row 36"/38"/40", 8 Row 30"/40" And 10 Row 30"
7.	G6500-06	4	Elbow, 9/16"-18 Male JIC To Female, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6500-08-06	-	Elbow, 3/4"-16 Male JIC To 9/16"-18 Female JIC, 6 Row 36"/38"/40", 8 Row 30"/40" And 10 Row 30"
8.	G6400-06	2	Connector, 9/16"-18 Male JIC To 9/16"-18 O-Ring, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6400-08-06	-	Connector, 3/4"-16 Male JIC To 9/16"-18 O-Ring, 6 Row 36"/38"/40", 8 Row 30"/40" And 10 Row 30"
9.			See “Marker Sequencing/Flow Control Valve”, Page P61
10.	GA5632	1	Mounting Angle
11.	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10210	2	Washer, 3/8" USS
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
12.	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"

*** Hydraulic hose is not stocked by KINZE® Repair Parts, but can be made available on a special order basis. Call for quote.**

HYDRAULIC SYSTEM (RIGID TOOLBAR), SINGLE VALVE (Serial No. 602707 & On)

PHS034(MT11)

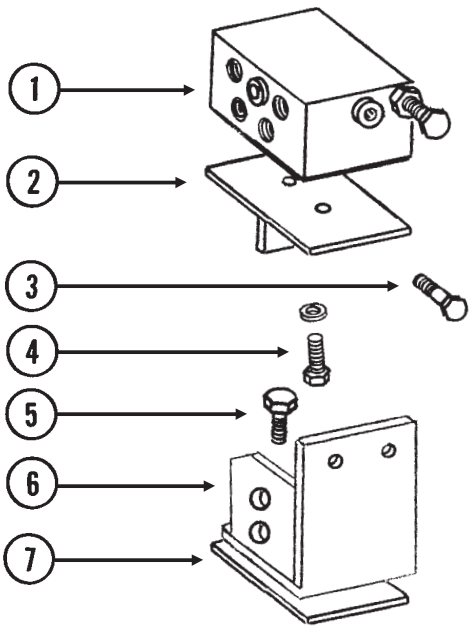


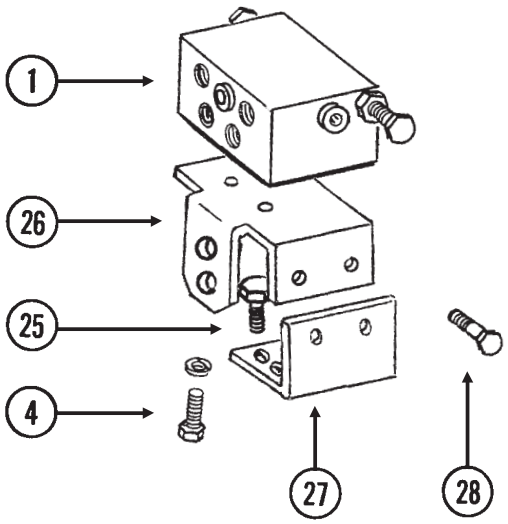
ITEM	PART NO.	QTY.	DESCRIPTION
1.		-	See “Marker Cylinder”, Page P58
2.	G6801-06-08	2	Elbow, 9⁄16"-18 Male JIC To 3⁄4"-16 O-Ring, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6801-08	-	Elbow, 3⁄4"-16 Male JIC To 3⁄4"-16 O-Ring, 6 Row 36"/38"/40", 8 Row 30"/36"/38"/40" And 10 Row 30"
3.	G6801-06-08	2	Elbow, 9⁄16"-18 Male JIC To 3⁄4"-16 O-Ring, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6400-08	-	Connector, 3⁄4"-16 Male O-Ring To JIC, 6 Row 36"/38"/40", 8 Row 30"/36"/38"/40" And 10 Row 30"
4.	*A1150	2	Hose Assembly, 1⁄4" x 103", 4 Row 30"
	*A1134	-	Hose Assembly, 1⁄4" x 116", 4 Row 36"/38"/40"
	*A1106	-	Hose Assembly, 1⁄4" x 130", 6 Row 30"
	*A3114	-	Hose Assembly, 3⁄8" x 156", 6 Row 36"/38"/40"
	*A1049	-	Hose Assembly, 3⁄8" x 160", 8 Row 30"
	*A3154	-	Hose Assembly, 3⁄8" x 196", 8 Row 36"/38"/40" And 10 Row 30"
5.	*A1170	2	Hose Assembly, 1⁄4" x 90", 4 Row 30"
	*A1172	-	Hose Assembly, 1⁄4" x 105", 4 Row 36"/38"/40"
	*A1168	-	Hose Assembly, 1⁄4" x 120", 6 Row 30"
	*A3115	-	Hose Assembly, 3⁄8" x 146", 6 Row 36"/38"/40"
	*A1013	-	Hose Assembly, 3⁄8" x 150", 8 Row 30"
	*A1028	-	Hose Assembly, 3⁄8" x 186", 8 Row 36"/38"/40" And 10 Row 30"
6.	*A3186	2	Hose Assembly, 3⁄8" x 56"
7.	G6500-06	4	Elbow, 9⁄16"-18 Male JIC To Female, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6500-08-06	-	Elbow, 3⁄4"-16 Male JIC To 9⁄16"-18 Female JIC, 6 Row 36"/38"/40", 8 Row 30"/36"/38"/40" And 10 Row 30"
8.	G6400-06	2	Connector, 9⁄16"-18 Male JIC To 9⁄16"-18 O-Ring, 4 Row 30"/36"/38"/40" And 6 Row 30"
	G6400-08-06	-	Connector, 3⁄4"-16 Male JIC To 9⁄16"-18 O-Ring, 6 Row 36"/38"/40", 8 Row 30"/36"/38"/40" And 10 Row 30"
9.			See “Marker Sequencing/Flow Control Valve”, Page P61
10.	GD10205	1	Mounting Angle
11.	G10017	2	Hex Head Cap Screw, 1⁄2"-13 x 1 1⁄2"
	G10111	2	Lock Nut, 1⁄2"-13
12.	G10001	2	Hex Head Cap Screw, 3⁄8"-16 x 1"
	G10229	2	Lock Washer, 3⁄8"

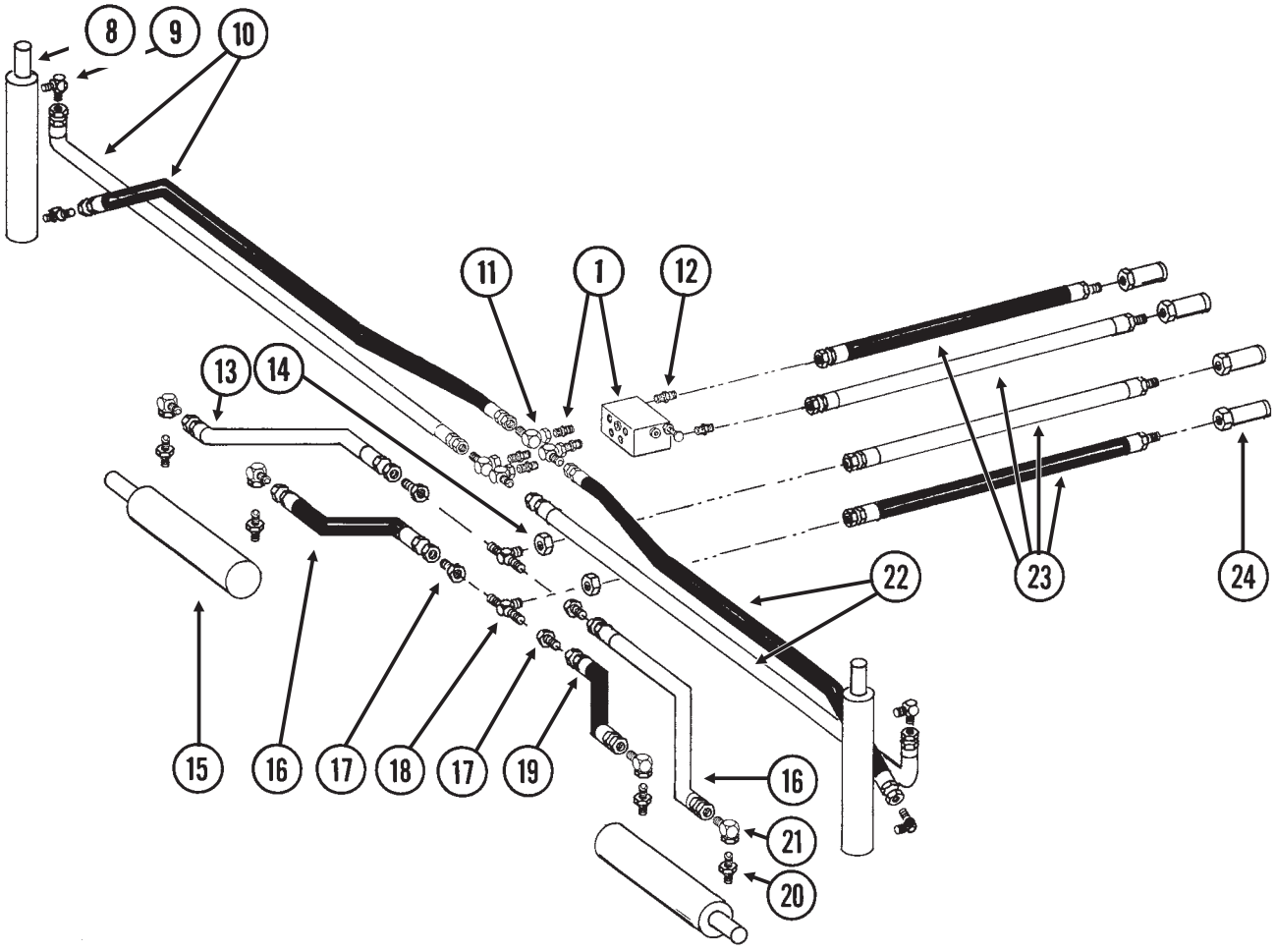
*** Hydraulic hose is not stocked by KINZE® Repair Parts, but can be made available on a special order basis. Call for quote.**

HYDRAULIC SYSTEM
(VERTICAL FOLDING TOOLBAR), DUAL VALVE

PHS034/PHS002(MT16/PT11/MT19)







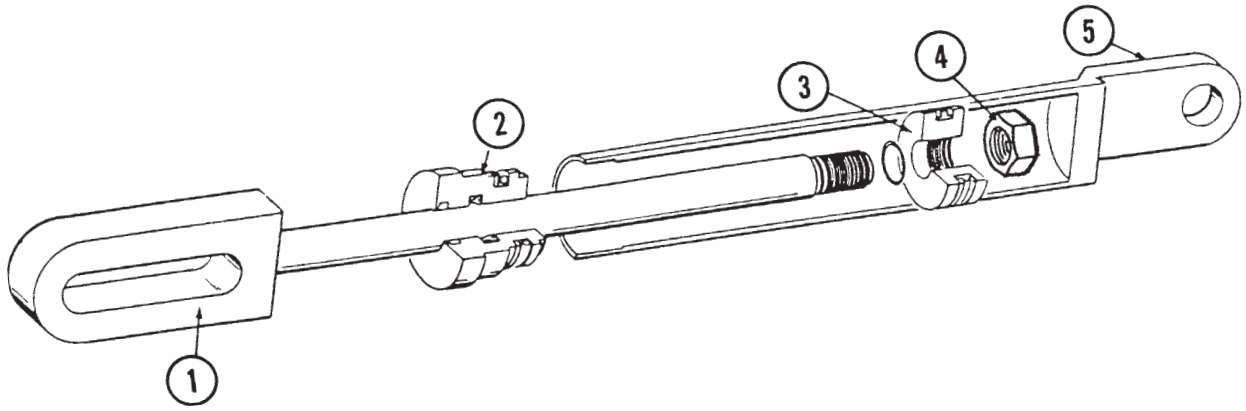
HYDRAULIC SYSTEM (VERTICAL FOLDING TOOLBAR), DUAL VALVE

ITEM	PART NO.	QTY.	DESCRIPTION
1.		-	See “Marker Sequencing/Flow Control Valve”, Page P61
2.	GA5632	1	Mounting Angle
3.	G10004	2	Hex Head Cap Screw, ⅜"-16 x 1 ¼"
	G10210	2	Washer, ⅜" USS
	G10229	2	Lock Washer, ⅜"
	G10101	2	Hex Nut, ⅜"-16
4.	G10001	2	Hex Head Cap Screw, ⅜"-16 x 1"
	G10229	2	Lock Washer, ⅜"
5.	G10001	2	Hex Head Cap Screw, ⅜"-16 x 1" (As Required)
	G10047	2	Hex Head Cap Screw, ⅜"-16 x 1 ¾" (As Required)
	G10229	2	Lock Washer, ⅜"
6.	GA5141	1	Valve Mounting Bracket
7.	GD7628	-	Spacer
8.		-	See “Marker Cylinder”, Page P59
9.	G6801-08	4	Elbow, ¾"-16 Male JIC To ¾"-16 O-Ring
10.	*A1054	2	Hose Assembly, ⅜" x 204", 8 Row 36"/38"/40"
	*A1093	-	Hose Assembly, ⅜" x 230", 12 Row 30"
11.	G6500-08-06	4	Elbow, ¾"-16 Male JIC To 9⁄16"-18 Female JIC
12.	G6400-08-06	2	Connector, ¾"-16 Male JIC To 9⁄16"-18 O-Ring
13.	*A1155	1	Hose Assembly, ¼" x 48", 8 Row 36"/38"
	*A1153	-	Hose Assembly, ¼" x 56", 8 Row 40"
	*A1188	-	Hose Assembly, ¼" x 66", 12 Row 30"
14.	G306-08	2	Nut, ¾"-16
15.			See “Wing Lift Cylinder (4" x 11"), Page P59
16.	*A1189	2	Hose Assembly, ¼" x 36", 8 Row 36"/38"
	*A1132	-	Hose Assembly, ¼" x 44", 8 Row 40"
	*A1144	-	Hose Assembly, ¼" x 54", 12 Row 30"
17.	G2406-08-06	4	Reducer, ¾"-16 Female JIC To 9⁄16"-18 Male JIC
18.	G2703-08	2	Bulkhead Tee, ¾"-16 Male JIC
19.	*A1169	1	Hose Assembly, ¼" x 24", 8 Row 36"/38"
	*A1181	-	Hose Assembly, ¼" x 32", 8 Row 40"
	*A1132	-	Hose Assembly, ¼" x 44", 12 Row 30"
20.	G6400-06-08	4	Adapter, 9⁄16"-18 Male JIC To ¾"-16 O-Ring
21.	G6500-06	4	Elbow, 9⁄16"-18 Male JIC To Female
22.	*A1030	2	Hose Assembly, ⅜" x 192", 8 Row 36"/38"/40"
	*A1057	-	Hose Assembly, ⅜" x 216", 12 Row 30"
23.	*A3164	4	Hose Assembly, ⅜" x 52"
24.	GD4086	4	Pioneer (ISO) Tip
25.	G10001	2	Hex Head Cap Screw, ⅜"-16 x 1"
	G10210	2	Washer, ⅜" USS
	G10229	2	Lock Washer, ⅜"
26.	GD10224	1	Valve Mount
27.	GD10223	1	Valve Mount Bracket
28.	G10001	2	Hex Head Cap Screw, ⅜"-16 x 1"
	G10203	2	Washer, ⅜" SAE
	G10229	2	Lock Washer, ⅜"
	G10101	2	Hex Nut, ⅜"-16

*** Hydraulic hose is not stocked by KINZE® Repair Parts, but can be made available on a special order basis. Call for quote.**

MARKER CYLINDER, CONVENTIONAL
4 ROW 30"/36"/38"/40" AND 6 ROW 30"

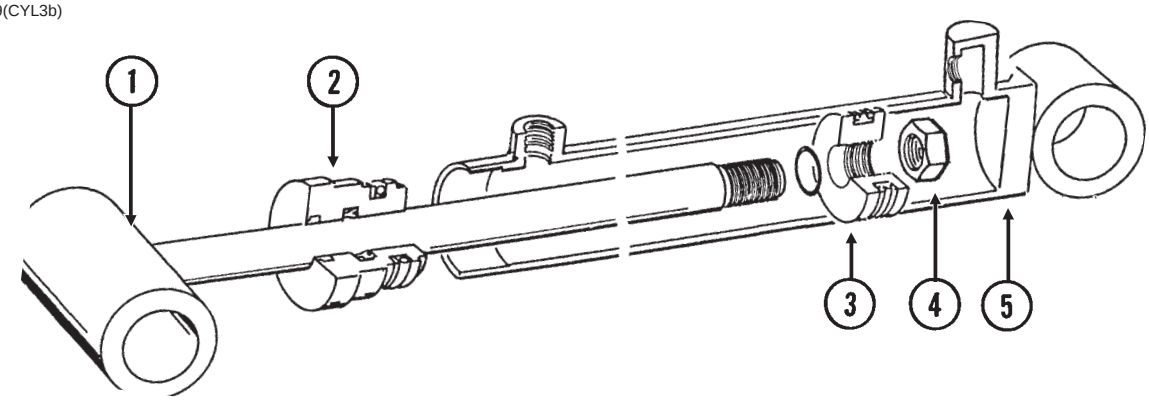
CYL030(CYL2a)



ITEM	PART NO.	QTY.	DESCRIPTION
1.	GA5453	1	Rod Assembly
2.	GD5949	1	Gland
3.	GD4632	1	Piston
4.	GR0959	1	Lock Nut, ¾"-16
5.	GA5454	1	Barrel
A.	GA5095	-	Cylinder Complete, 2" x 8"
B.	GR0927	-	Seal Kit, Includes: (1) T Seal, (2) O-Rings, (1) BU Ring, (1) U-Cup, (1) Wiper

MARKER CYLINDER, TWO-FOLD LOW PROFILE
6 ROW 36"/38"/40", 8 ROW 30"/36"/38"/40" And 10 ROW 30"

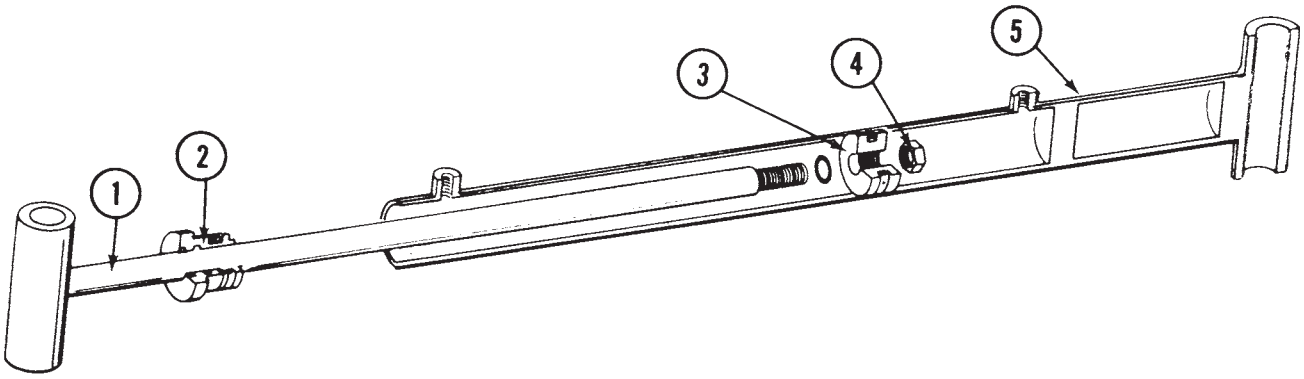
CYL039(CYL3b)



ITEM	PART NO.	QTY.	DESCRIPTION
1.	GA5459	1	Rod Assembly
2.	GD5949	1	Gland
3.	GD4632	1	Piston
4.	GR0959	1	Lock Nut, ¾"-16
5.	GA5460	1	Barrel
A.	GA5097	-	Cylinder Complete, 2" x 20 1/16"
B.	GR0927	-	Seal Kit, Includes: (1) T Seal, (2) O-Rings, (1) BU Ring, (1) U-Cup, (1) Wiper

MARKER CYLINDER, THREE-FOLD LOW PROFILE 8 ROW 36"/38"/40" AND 12 ROW 30"

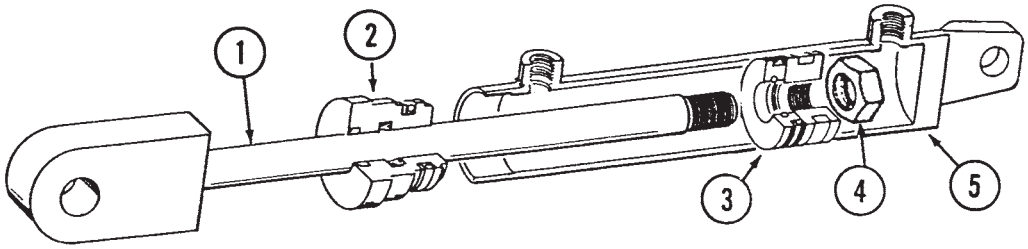
CYL039(CYL13)



ITEM	PART NO.	QTY.	DESCRIPTION
1.	GA5459	1	Rod Assembly
2.	GD5949	1	Gland
3.	GD4632	1	Piston
4.	GR0959	1	Lock Nut, ¾"-16
5.	GA5458	1	Barrel
A.	GA5096	-	Cylinder Complete, 2" x 20 1/16"
B.	GR0927	-	Seal Kit, Includes: (1) T Seal, (2) O-Ring, (1) BU Ring, (1) U-Cup, (1) Wiper

WING LIFT CYLINDER (VERTICAL FOLDING TOOLBAR)

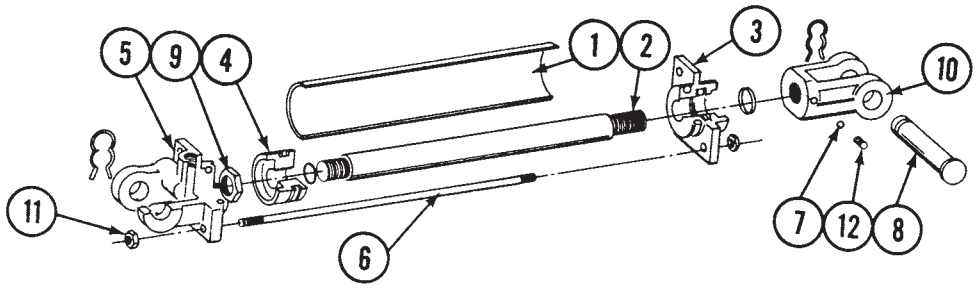
CYL032/CYL047(CYL21a)



ITEM	PART NO.	QTY.	DESCRIPTION
1.	GA5702	1	Rod Assembly
2.	GD6576	1	Gland
3.	GD7884	1	Piston
4.	GR0987	1	Lock Nut, 1 ¼"-12
5.	GA5703	1	Barrel
A.	GA5662	-	Cylinder Complete, 4" x 11"
B.	GR1057	-	Seal Kit, Includes: (1) T Seal, (2) O-Rings, (1) BU Ring, (1) U-Cup, (1) Wiper, (1) Wear Ring

OPTIONAL DUAL LIFT ASSIST CYLINDER

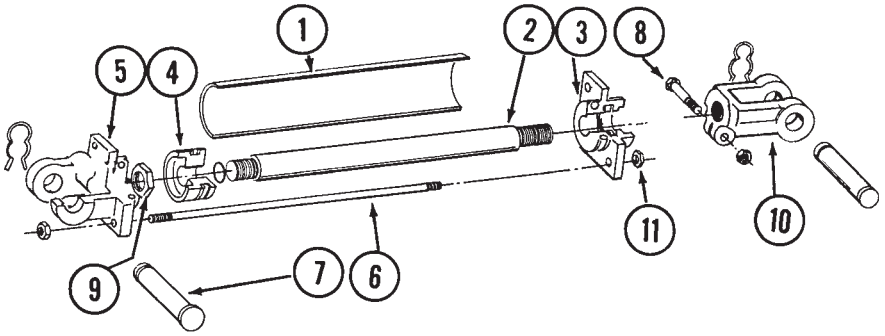
CYL048(CYL22)



ITEM	PART NO.	QTY.	DESCRIPTION
1.		-	Barrel (Non-stock Item)
2.	GR0709	1	Shaft
3.	GR1025	1	Gland
4.	GR1026	1	Piston
5.	GR1027	1	Clevis
6.	GR1024	4	Tie Rod
7.	GR0716	1	Nylon Ball
8.	GR0717	1	Pin W/Clip
9.	GR0663	1	Nut
10.	GR0714	1	Clevis
11.	GR0181	8	Hex Nut, ½"-13
12.	G10210	1	Set Screw, ⅜"-16 x ⅜"
A.	GA5482A	-	Cylinder Complete W/Pins And Clips, 3 ½" x 8" ("Energy" Cast In Base End Clevis.)
B.	GR1028	-	Seal Kit, Includes: (1) Wiper, (4) BU Rings, (5) O-Rings, (1) U-Cup

OPTIONAL DUAL LIFT ASSIST CYLINDER

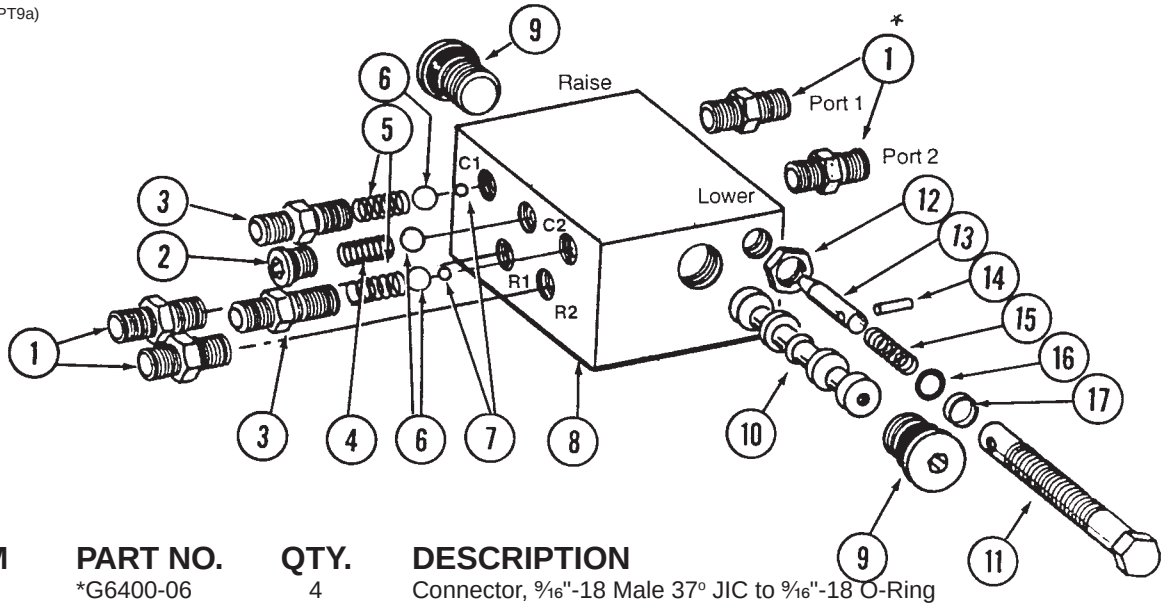
CYL009/CYL048(CYL23)



ITEM	PART NO.	QTY.	DESCRIPTION
1.	GR1274	1	Barrel
2.	GR1273	1	Shaft
3.	GR1271	1	Gland
4.	GR1272	1	Piston
5.	GR1270	1	Clevis
6.	GR1024	4	Tie Rod
7.	GR0717	2	Pin W/Clip
8.	G10047	1	Hex Head Cap Screw, ⅜"-16 x 1 ¾"
	G10101	1	Hex Nut, ⅜"-16
9.	GR1278	1	Nut
10.	GR1276	1	Clevis
11.	GR0181	8	Tie Rod Nut
A.	GA5482B	-	Cylinder Complete W/Pins And Clips, 3 ½" x 8" ("Lion Hydraulics" Decal On Barrel)
B.	GR1279	-	Seal Kit, Includes: (3) BU Seals, (5) O-Rings, (1) C/R Seal)

MARKER SEQUENCING/FLOW CONTROL VALVE

VVB025(PT9a)

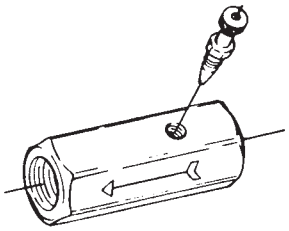


ITEM	PART NO.	QTY.	DESCRIPTION
1.	*G6400-06	4	Connector, 9/16"-18 Male 37° JIC to 9/16"-18 O-Ring
	GR1045	-	O-Ring
2.	GR1034	1	Hex Socket O-Ring Plug
	GR1035	-	O-Ring
3.	GR1032	2	Port Adapter
	GR1045	-	O-Ring
4.	GR1033	1	Detent Spring
5.	GR1036	2	Spring
6.	GR1044	3	9/16" Check Ball
7.	GR1043	2	1/4" Steel Ball
8.		-	Valve Body **(Non-Stock Item)**
9.	GR1047	2	Hex Socket Plug
	GR1037	-	O-Ring
10.		-	Spool **(Non-Stock Item)**
11.	GR1042	2	Adjustment Screw
12.	GR1048	2	Hex Jam Nut, 1/2"-20
13.	GR1038	2	Needle
14.	GR1039	2	Spring Pin
15.	GR1046	2	Compression Spring
16.	GR1040	2	O-Ring
17.	GR1041	2	Teflon BU Ring
A.	GA5552	-	Valve Assembly Complete (Items 1-17)
B.	GA5572	-	Flow Control Portion Only (Items 11-17)

*Not used on sizes with 3/8" hoses.

FLOW CONTROL VALVE

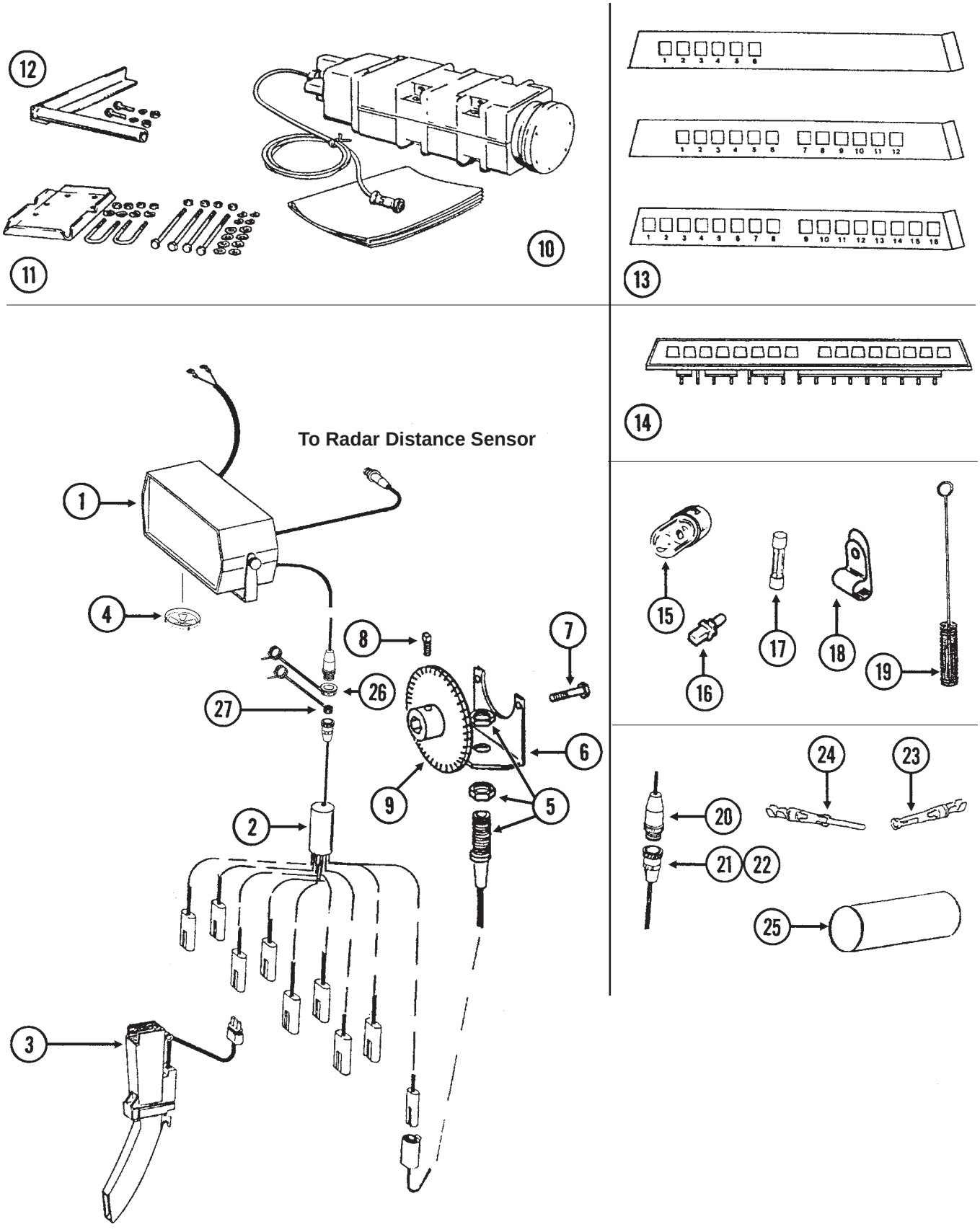
VVB001(MT2)



ITEM	PART NO.	QTY.	DESCRIPTION
A.	GA0270	-	Flow Control Valve ("Parker" Stamped On Valve Body)
	GR0767	-	Needle Valve Only

ELECTRONIC SEED MONITOR

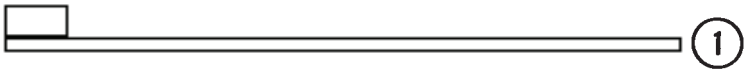
ECP017/D-0640-0001/D-0640-0003/D-0640-0004/D-1172-0001/D-1172-0002/ECP019/ECP020/ECP021/ECP022(MTR6/MTR4/MTR7)



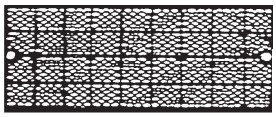
ELECTRONIC SEED MONITOR

ITEM	PART NO.	QTY.	DESCRIPTION
1.	GA5873	1	Console W/Mounting Bracket, KM1000
	GA5874	-	Console W/Mounting Bracket, KM3000
	GR1077	-	Mounting Bracket, KM1000
	GR1078	-	Mounting Bracket, KM3000
	GR1079	-	Console Mounting Bracket Hardware Package (Includes 2 Wellnuts, 2 Knobs And ¼" Hardware)
2.	GA5875	1	Planter Harness, 4 Row
	GA5876	-	Planter Harness, 6 Row
	GA5877	-	Planter Harness, 8 Row
	GA5878	-	Planter Harness, 10 Row And 12 Row
3.	GA5880	-	Seed Tube W/High Rate Sensor
	GR1062	-	Seed Tube (With Holes For High Rate Sensor Installation)
	GR1087	-	Sensor Only (For GA5880)
	GR0676	-	Sunshade
	GD2117	-	Tie Strap, 14 ½"
4.	GR1348	-	Sound Baffle W/Pin
5.	GA5600	1	Magnetic Distance Sensor (Used W/KM3000 Console Only)
6.	GD7632	1	Magnetic Distance Sensor Bracket
7.	G10171	2	Hex Head Cap Screw, 5/16"-18 x 1 ¼"
	G10232	2	Lock Washer, 5/16"
	G10106	2	Hex Nut, 5/16"-18
8.	G10145	1	Set Screw, 5/16"-18 x ½"
9.	GA5549	1	Magnetic Distance Sensor Pulse Wheel (Used W/KM3000 Console Only)
10.	GA4223	-	Radar Distance Sensor (Used W/KM3000 Console Only)
11.	GA4229	-	Radar Sensor Mounting Bracket Package
12.	GA4230	-	Radar Sensor Pipe Mounting Package
13.	GR1081	1	KM1000 Bezel Decal, 6 Row (Used On 6 Row)
	GR1082	-	KM1000 Bezel Decal, 12 Row (Used On 4 Row, 10 Row And 12 Row)
	GR1083	-	KM1000 Bezel Decal, 16 Row (Used On 8 Row)
14.	GR1080	1	KM1000 Bezel
15.	GR0595	1	Bulb, KM1000 Row Lamp (Not Shown)
16.	GR1084	1	Bulb, KM3000 Backlite (Not Shown)
17.	GR0866	1	Fuse, 5 Amp, Type AGC
	GR1085	1	Fuse, 2 Amp, Type AGC
18.	GD6291	-	Insulated Clamp
19.	GR0594	-	Brush
20.	GR0583	-	Console Connector Kit W/37 Pins And Shrink Tube
21.	GR0582	-	Harness Connector Kit W/37 Female Socket Contacts, Coupling Ring And Shrink Tube
22.	GR0807	-	Coupling Ring
23.	GR1171	-	Female Socket Contact
24.	GR1067	-	Pin
25.	GR1069	-	Shrink Tube, 2 ½"
26.	GD4563	-	Dust Cap
27.	GD4564	-	Dust Cover
A.	GA5606	-	Magnetic Distance Sensor And Mounting Package, Includes Items 5-9

SMV SIGN, DECALS, REFLECTORS AND TIE STRAPS



1



2

⚠ WARNING ⚠

EMPTY ALL HOPPERS AND INSTALL TRANSPORT PINS BEFORE TRANSPORTING.

7100-96

3

⚠ WARNING

TO AVOID INJURY –
STAND CLEAR–KEEP OTHERS AWAY WHEN RAISING OR LOWERING MARKERS. BEFORE TRANSPORTING PLANTER FULLY EXTEND HYDRAULIC CYLINDERS AND INSTALL LOCKING PINS WHERE PROVIDED.

7144-99

4

⚠ WARNING ⚠

1. Read and understand the Operator's Manual.
2. Stop the tractor engine before leaving the operator's platform.
3. Keep riders off the machine.
4. Make certain everyone is clear of the machine before starting the tractor engine and operating.
5. Keep all shields in place.
6. Never lubricate, adjust, unclog or service the machine with tractor engine running.
7. Wait for all movement to stop before servicing.
8. Keep hands, feet and clothing away from moving parts.
9. Use flashing warning lights when operating on highways except when prohibited by law.

7100-46

5

⚠ DANGER

THIS PLANTER IS DESIGNED TO BE DRIVEN BY GROUND TIRES ONLY. THE USE OF HYDRAULIC, ELECTRIC OR PTO DRIVES MAY CREATE SERIOUS SAFETY HAZARDS TO YOU AND THE PEOPLE NEARBY. IF YOU INSTALL SUCH DRIVES YOU MUST FOLLOW ALL APPROPRIATE SAFETY STANDARDS AND PRACTICES TO PROTECT YOU AND OTHERS NEAR THIS PLANTER FROM INJURY.

7100-89

6

⚠ WARNING ⚠

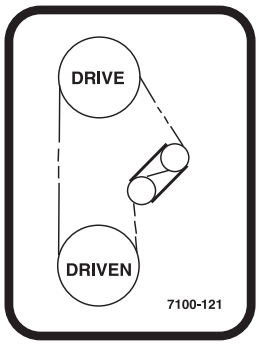
THIS MACHINE HAS BEEN DESIGNED AND BUILT WITH YOUR SAFETY IN MIND. DO NOT MAKE ANY ALTERATIONS OR CHANGES TO THIS MACHINE. ANY ALTERATION TO THE DESIGN OR CONSTRUCTION MAY CREATE SAFETY HAZARDS.

7100-99

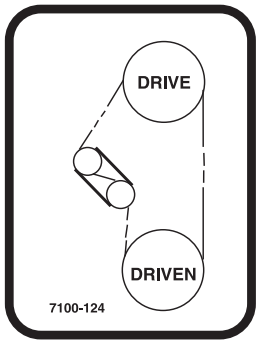
7

KINZE

8



9



10



11

12

IMPORTANT
SEED METER ALIGNMENT TO DRIVE CLUTCH IS CRITICAL
REFER TO OPERATOR'S MANUAL FOR INSTRUCTIONS

7144-102

⚠ DANGER

NEVER TRANSPORT FOLDING MODELS EQUIPPED WITH LIFT ASSIST WHEELS WITHOUT FLOATING CENTER MAST IN PLACE.

7100-102

13

⚠ WARNING ⚠

AGRICULTURAL CHEMICALS CAN BE DANGEROUS. IMPROPER SELECTION OR USE CAN SERIOUSLY INJURE PERSONS, ANIMALS, PLANTS, SOIL OR OTHER PROPERTY. BE SAFE. SELECT THE RIGHT CHEMICAL FOR THE JOB. HANDLE WITH CARE. FOLLOW THE INSTRUCTIONS ON THE CONTAINER LABEL AND OF THE EQUIPMENT MANUFACTURER.

7100-115

14

⚠ WARNING ⚠

FLOATING CENTER MAST MUST BE USED ON PLANTERS EQUIPPED WITH LIFT ASSIST WHEELS. SEE OPERATION SECTION OF OPERATOR'S MANUAL FOR PROPER ADJUSTMENT.

7144-122

15

⚠ WARNING ⚠

WINGS MUST BE UNFOLDED BEFORE DETACHING MACHINE FROM TRACTOR.

7144-149

16

USE 1 TABLESPOON POWDERED GRAPHITE WITH EACH HOPPER FILL OF SEED. SEED TREATMENT, FOREIGN MATERIAL, DIRT, OR SEED CHAFF MAY CAUSE GRADUAL REDUCTION OF SEED POPULATION. REFER TO MANUAL FOR MAINTENANCE AND CARE.

7100-153

17

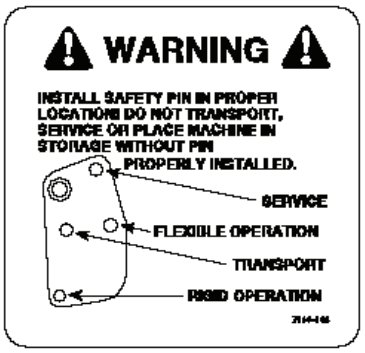
⚠ DANGER

SERIOUS INJURY OR DEATH CAN RESULT FROM CONTACT WITH ELECTRICAL LINES. USE CARE TO AVOID CONTACT WITH ELECTRIC LINES WHEN MOVING OR OPERATING THIS MACHINE.

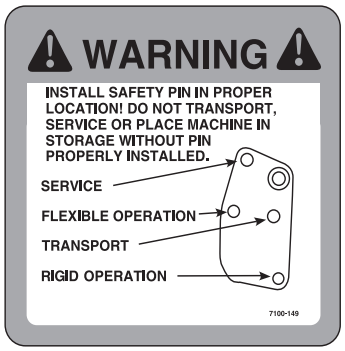
7144-117

18

SMV SIGN, DECALS, REFLECTORS AND TIE STRAPS



19

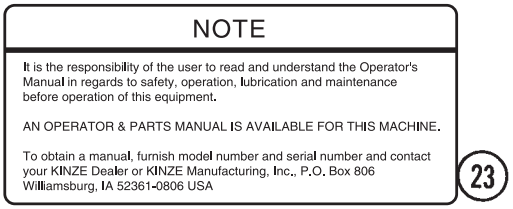


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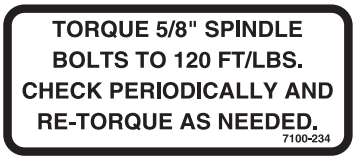
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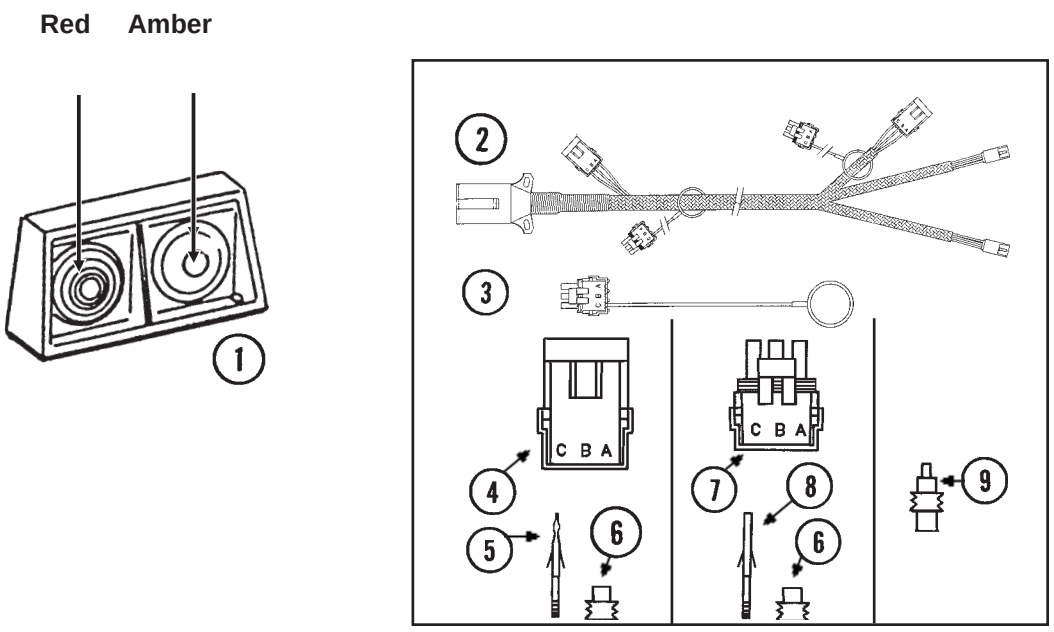


29

ITEM	PART NO.	QTY.	DESCRIPTION
1.	GD1512	-	Tie Strap, 6"
	GD2117	-	Tie Strap, 14 ½"
2.	G7200-03	2-4	Reflector, Red
	G7200-04	2-4	Reflector, Amber
3.	G7100-25	2	Decal, Warning
4.	G7100-42	4	Decal, Warning
5.	G7100-46	1	Decal, Warning
6.	G7100-89	2-4	Decal, Danger
7.	G7100-90	1	Decal, Warning
8.	G7100-104	1	Decal, KINZE®, 3" x 12"
9.	G7100-121	1	Decal, Transmission
10.	G7100-124	1	Decal, Transmission
11.	G7100-195	-	Decal, Logo (2 Per Row Unit)
12.	G7100-182	-	Decal, Meter Alignment (1 Per Row Unit)
13.	G7100-132	1	Decal, Danger
14.	G7100-115	-	Decal, Caution (1 Per Granular Chemical Hopper)
15.	G7100-133	1-3	Decal, Warning
16.	G7100-140	1	Decal, Warning (Vertical Folding Machines Only)
17.	G7100-153	-	Decal, Information (1 Per Brush-Type Seed Meter)
18.	G7100-117	1	Decal, Danger
19.	G7100-148	1	Decal, Warning
20.	G7100-149	1	Decal, Warning
21.	G7100-157	1	Decal, 2100
22.	GD2199	1	SMV Sign
23.	G7100-217	-	Decal, Note
24.	GR0146	-	Powdered Graphite, 1 Pound
25.	GR1367	-	Talc Seed Lubricant, 8 Pounds
26.	GR0155	-	Blue Paint, Aerosol
27.	G7100-111	-	Decal, Oil Daily
28.	G7100-116	-	Decal, Grease Daily
29.	G7100-234	-	Decal, Bolt Torque

ELECTRICAL COMPONENTS

PFA043(PT49a/ELC9/MTR27a/ELC8)



ITEM	PART NO.	QTY.	DESCRIPTION
1.	GA6699	1	Double Light Assembly (Shown)
	GA6700	1	Double Light Assembly
	GR1203	-	Red Lens
	GR1204	-	Amber Lens
	GR1205	-	Cover
	GR1206	-	Rubber Grommet (4)
	GR1207	-	Lamp Unit
	GR1208	-	Bulb
2.	GA6816	-	Light Wiring Harness W/7 Terminal Female Connector, 185", 4 Row 30"/36"/38"/40" And 6 Row 30" Rigid Toolbars/All Vertical Folding Toolbars
	GA6817	-	Light Wiring Harness W/7 Terminal Female Connector, 263", 6 Row 36"/38"/40", 8 Row 30"/36"/38"/40" And 10 Row 30" Rigid Toolbars
	GA5385	-	7 Terminal Female Connector
3.	GA8047	-	Dust Plug
4.	GD11079	-	Housing
5.	GD11080	-	Pin Contact, No. 18
6.	GD11081	-	Seal
7.	GD11090	-	Housing
8.	GD11091	-	Socket Contact, No. 18
9.	GD11089	-	Sealing Plug
A.	G1K248	-	Harness Ends Repair Kit, Includes: (3) GD11079, (9) GD11081 And (9) GD11080 (Items 4-6)
B.	G1K252	-	Harness Ends Repair Kit, Includes: (3) GD11090, (9) GD11081, And (9)GD10091 (Items 6-8)