

OPERATOR'S MANUAL AND PARTS LIST

88  
Set of  
2

**JACOBSEN** **TEXTRON**

Jacobsen Division of Textron Inc.

**FAIRWAY PULL FRAMES  
and  
ESTATE TRIPLE**

PRODUCT NOS. 71401, 71421, 71432, 71433, 71441, 71451, and 71460



**WARNING**

IF INCORRECTLY USED THIS MACHINE CAN CAUSE SEVERE INJURY. THOSE WHO USE AND MAINTAIN THE MACHINE SHOULD BE TRAINED IN ITS PROPER USE, WARNED OF ITS DANGERS, AND SHOULD READ THE ENTIRE MANUAL BEFORE ATTEMPTING TO SET UP, OPERATE, ADJUST OR SERVICE THE MACHINE.

# IMPORTANT

DO NOT MISPLACE THIS OPERATOR'S MANUAL AND PARTS LIST AS IT IS YOUR ONLY MEANS FOR ORDERING REPLACEMENT PARTS ACCURATELY.

## HOW TO ORDER REPAIR PARTS

This manual is an operating and service guide for the operator. We recommend that you read it carefully before operating your vehicle and that you follow the simple adjustments and maintenance listed. We do not recommend that you make major repairs beyond necessary adjustments and simple parts replacements required to keep your unit in good operating condition.

For assistance in getting the most out of your unit, and for overhaul, winter or summer storage, tune-up, and repair service, we recommend your Authorized Jacobsen Distributor, who is prepared to help you.

To eliminate error and speed delivery:

1. Write your NAME and ADDRESS on your order plainly.
2. Explain WHERE and HOW to make shipment.
3. Give PRODUCT NUMBER, NAME, and SERIAL NUMBER that is stamped on the NAME PLATE or SERIAL PLATE of your product.
4. Order by QUANTITY DESIRED, the PART NUMBER, and the DESCRIPTION OF PART.
5. Send your order to or visit your nearest AUTHORIZED JACOBSEN SERVICE DISTRIBUTOR.
6. INSPECT ALL SHIPMENTS ON RECEIPT. If any parts are damaged or missing, file a claim with the carrier before accepting.
7. Do not return material to your nearest AUTHORIZED JACOBSEN SERVICE DISTRIBUTOR without a letter of explanation. Make a list of all returned parts, show your name and address, and include it with the shipment. TRANSPORTATION CHARGES MUST BE PREPAID.

*A Careful Operator*

**IS THE BEST INSURANCE  
AGAINST AN ACCIDENT.**

— NATIONAL SAFETY COUNCIL



## **FAIRWAY PULL TYPE FRAMES-**

### **SETTING UP INSTRUCTIONS**

All components of the Fairway pull type frames are shipped dismantled as individual items or subassemblies to facilitate shipping and lower the transportation charges. Therefore, upon receipt of this equipment the following instructions should be followed using the parts list as a reference.

**Note:** Use the "Fairway Pull Type Frames Assembly" shown on Illust. 1 for reference numbers referred to in the following instructions.

#### **Assembly of frames to cutting units:**

1. Place pull yoke assembly (27) on main axle of cutting unit and secure saddles to axle with hardware items (28-29-32).
2. Insert center pull post of frame (19) into center of main axle.
3. Hook end of main spring (11) to front slot on spring lever in center of main axle. Then secure loop at other end of spring to frame with hardware items (3-32).
4. Attach over-center latch (5) to frame with hardware items (3-32). Then attach linkage to rear end of spring lever in center of main axle with hardware items (#42-15 pg. #8).
5. Insert rubber bushing (26) in rear end of pull yoke tube, insert pull yoke into front pull post and secure pull yoke by installing rubber bushing (26) onto bolt (24) and inserting bolt with bushing into pull yoke tube.

The previous instructions do not apply to the "A" and "D" frames as they are not equipped with pull yokes but with pull posts which attach to the main axle on right and left side in place of the pull yoke.

### **ASSEMBLY OF VARIOUS GANG UNITS**

#### **3 GANG**

This consists of a "B" and "D" frame and gives a 6 ft. 10 in. (2082 mm) cutting swath. To assemble a 3-gang unit proceed as follows:

1. Install a "D" frame (2) on a cutting unit as previously described.
2. Install a "B" frame (35) on two cutting units as previously described.
3. Install a hitch extension (31) onto "D" frame and secure extension with hardware items (36-37-38).
4. Attach ball hitch (34) of "B" frame to hitch extension (31) of "D" frame with ball, washer, lockwasher, and bolt.

#### **5 GANG**

This consists of a "D" frame, and "E-R" frame, an "E-L" frame, and a "B" frame. The cutting swath is 11 ft. 2 in. (3403 mm) and assembly of the unit is as follows:

1. Install "D" frame (2) on a cutting unit as previously described.
2. Install "E-L" and "E-R" frames (20-21) on a cutting unit as previously described.
3. Install "E-L" frame on the left side of "D" frame by rolling "E-L" frame next to the "D" frame and interlocking the hinges (15-16-17) of the "D" and "E-L" frames.

4. Install "E-R" frame on the right side of "D" frame in like manner.

5. Install "B" frame on two cutting units as previously described.

6. Install a hitch extension (31) onto "D" frame and secure extension with hardware items (36-37-38).

7. Attach ball hitch (34) of "B" frame to hitch extension (31) of "D" frame with ball, washer, lockwasher, and bolt.

#### **7 GANG**

This consists of a "D" frame, and "E-R" frame, and "E-L" frame and two "B" frames. The cutting swath is 15 ft. 6 in. (4572 mm) and assembly of the unit is as follows:

1. Follow instructions 1 through 4 of 5-gang assembly.
2. Install each "B" frame on two cutting units as previously described.
3. Install hitch extension (31) onto "E-L" frame and secure extension with hardware items (36-37-38).
4. Install hitch extension (31) onto "E-R" frame in like manner.
5. Attach ball hitch (34) of each "B" frame to a hitch extension (31) of the "E-L" or "E-R" frames with ball, washer, lockwasher, and bolt.

#### **9 GANG**

This consists of a "D" frame, a "SP-D-R" frame, a "SP-D-L" frame, an "E-R" frame, an "E-L" frame and two "B" frames. The cutting swath is 20 ft. 6 in. (6094 mm) and assembly of the unit is as follows:

1. Install "D" frame (2), "SP-D-R" frame (1), "SP-D-L" frame (16), "E-R" frame (21), and "E-L" frame (20), each on a cutting unit as previously described.
2. Attach "SP-D-R" frame and "SP-D-L" frame to "D" frame on right and left sides respectively by interlocking hinges (15-16-17).
3. Attach "E-R" frame and "E-L" frame to "SP-D-R" frame and "SP-D-L" frame respectively by interlocking hinges (15-16-17).
4. Install each "B" frame onto two cutting units as previously described.
5. Install hitch extension (31) onto "SP-D-R" frame and secure extension with hardware items (36-37-38).
6. Install hitch extension (31) onto "SP-D-L" frame in like manner.
7. Attach ball hitch (34) of each "B" frame to hitch extension (31) of the "SP-D-R" or "SP-D-L" frames with ball, washer, lockwasher, and bolt.

#### **11 GANG**

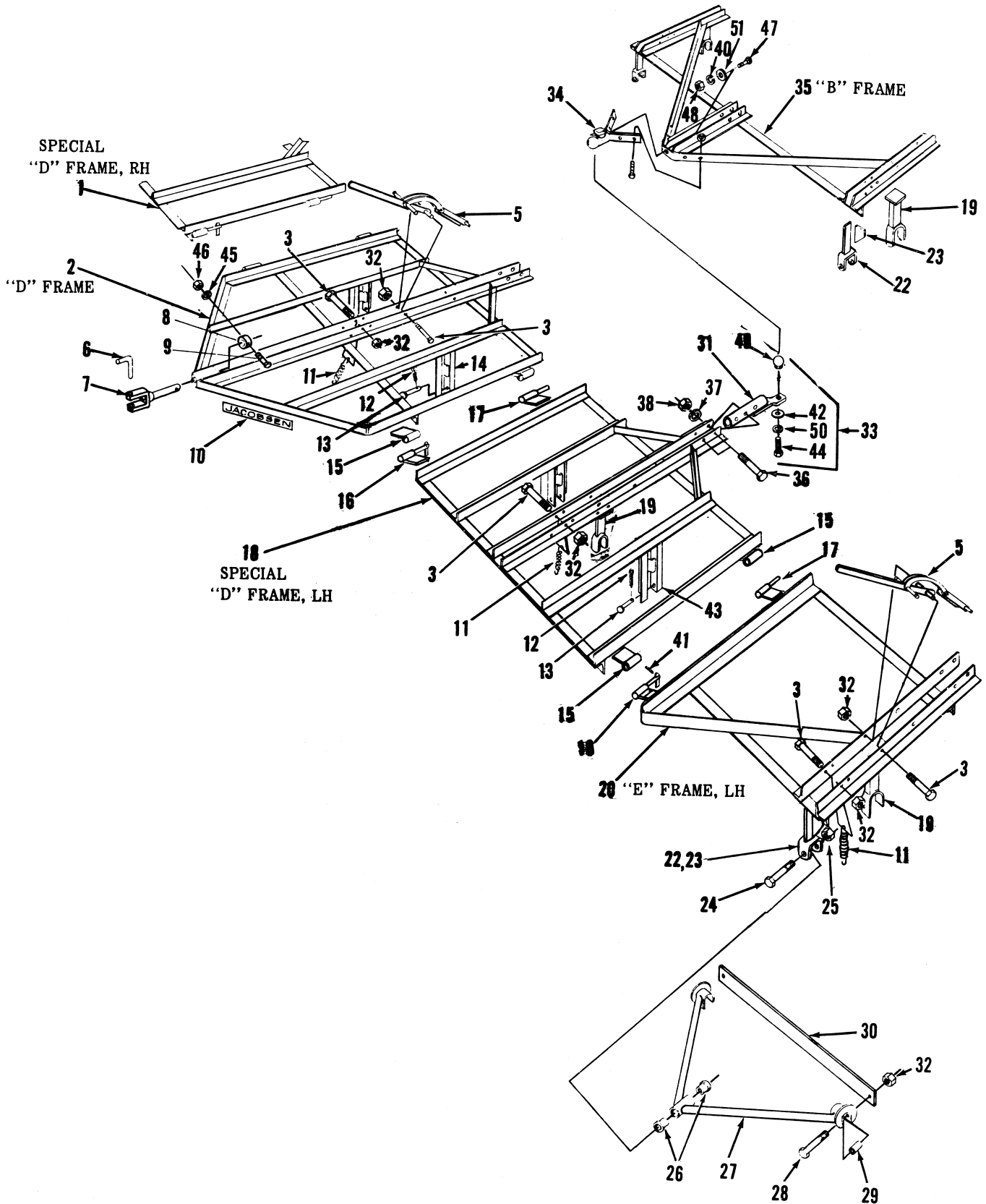
This consists of a "D" frame, a "SP-D-R" frame, a "SP-D-L" frame, an "E-R" frame, an "E-L" frame and three "B" frames. The cutting swath is 25 ft. 6 in. (7618 mm) and assembly of the units is as follows:

1. Follow instructions 1 through 4 of 9-gang assembly.
2. Install a hitch extension (31) onto "D" frame, "E-R" frame and "E-L" frame and secure extensions with hardware items (36-37-38).
3. Attach ball hitch (34) of each "B" frame to a hitch extension (31) of the "D" frame, "SP-D-R" frame or "SP-D-L" frame with ball, washer, lockwasher, and bolt.



# ILLUSTRATION 1

## FAIRWAY PULL TYPE FRAMES ASSEMBLY



# PARTS LIST-ILLUSTRATION 1

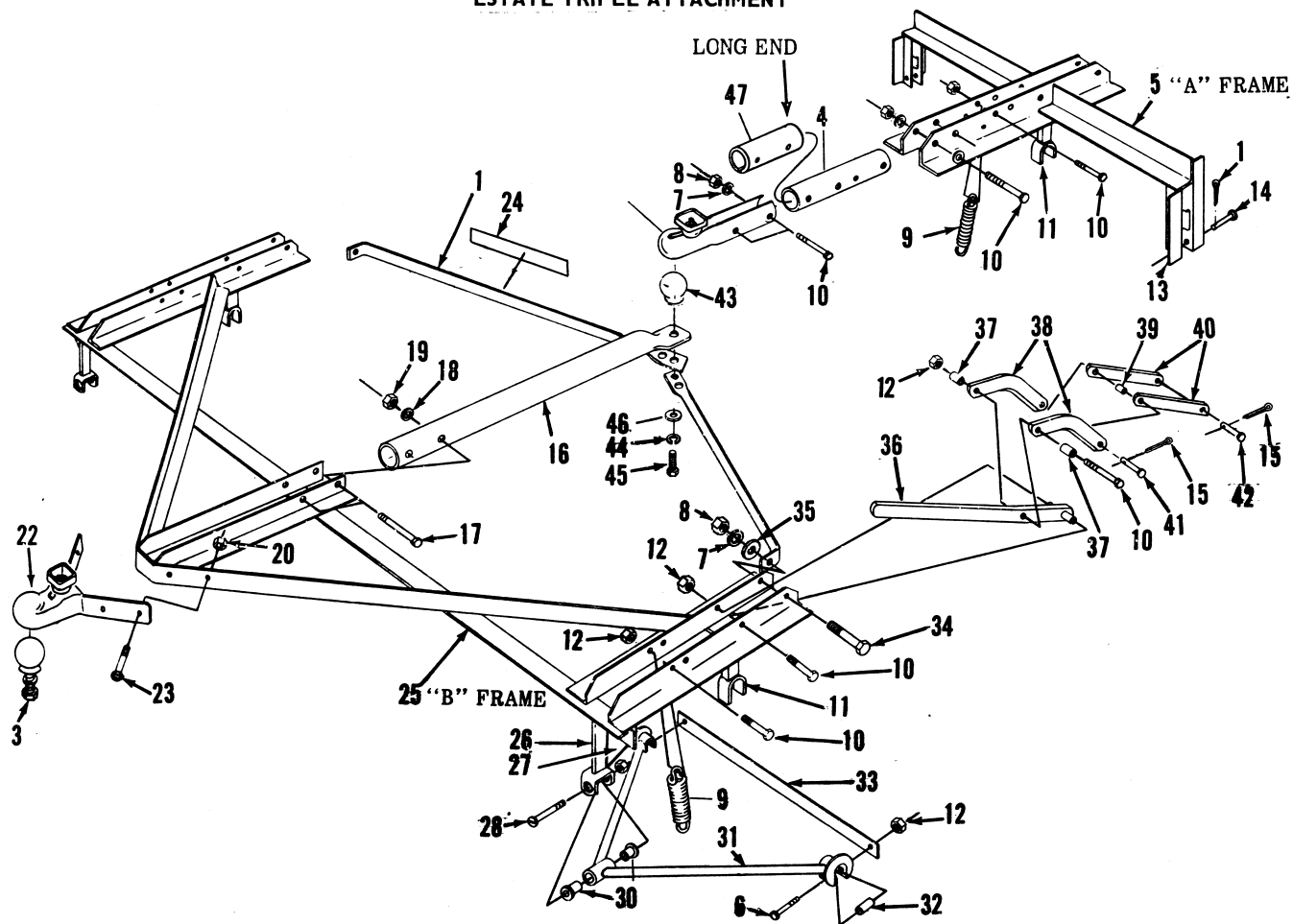
Ref. No.	Part No.	Quan.					Description
		No. of Gangs					
		3	5	7	9	11	
1	119058	-	-	-	1	1	Special "D" Frame RH
2	116494	1	1	1	1	1	"D" Frame
3	400312	9	15	21	27	33	Screw, 3/8-24 x 3 Hex. Hd. Cap
5	*	3	5	7	9	11	Over Center Latch Assembly
6	360341	1	1	1	1	1	Pin, Coupling
7	110480	1	1	1	1	1	Jaw and Stem Assem Incl 8, 9, 45, 46
8	318979	1	1	1	1	1	Collar
9	400346	1	1	1	1	1	Screw, 7/16-14 x 2-1/2 Hex Hd Cap
10	336940	2	2	2	2	2	Decal - Jacobsen
11	316724	3	5	7	9	11	Spring, Unit Tension
12	460028	8	12	16	24	28	Pin, 1/8 x 1 Cotter
13	325390	2	2	2	6	8	Pin, Rod End
14	153249	2	2	2	2	2	Post, Pull
15@	158734	AR	AR	AR	AR	AR	Hinge, Side
16@	502757	-	AR	AR	AR	AR	Hinge Assembly, Front
17@	502758	-	AR	AR	AR	AR	Hinge Assembly, Rear
18	119059	-	-	-	1	1	Special "D" Frame, LH
19@	153250	AR	AR	AR	AR	AR	Post, Unit
20	126097	-	1	1	1	1	"E" Frame, LH
21	126096	-	1	1	1	1	"E" Frame, Not Illus.
22@	110467	AR	AR	AR	AR	AR	Post, Pull (for Yoke)
23@	318970	AR	AR	AR	AR	AR	Plate, Pull Post Support
24	318005	2	4	6	6	8	Bolt
25	444730	2	4	6	6	8	Nut, 7/16-20 Hex.
26	318006	4	8	12	12	16	Bushing, Rubber
27	110469	2	4	6	6	8	Yoke, Pull
28	400310	4	8	12	12	16	Screw, 3/8-24 x 2-1/2 Hex Hd Cap
29	318994	4	8	12	12	16	Spacer, Yoke Jaw
30	318993	2	4	6	6	8	Brace, Pull Yoke
31	153005	1	1	2	2	3	Extension, Hitch
32	444744	17	27	41	47	61	Nut, 3/8-24 Hex Gripco Centerlock
33	110466	1	1	2	2	3	Ball Hitch Assem, Incl 44, 49, 50
34	129925	1	1	2	2	3	Ball Coupling Hitch Assem
35	119061	1	1	2	2	3	"B" Frame
36	400420	2	2	4	4	6	Bolt, 1/2-13 x 3-1/2 Hex Hd Cap
37	446154	2	2	4	4	6	Lockwasher, 1/2 Hvy
38	443118	2	2	4	4	6	Nut, 1/2-13 Hex
39	400296	4	4	8	8	12	Screw - 3/8-24 x 7/8 Hex Hd Cap
40	446140	1	1	2	2	3	Lockwasher, 3/8 Med.
41	461416	-	2	2	4	4	Pin, Roll 3/16 x 5/8
42	325406	1	1	2	2	3	Washer
43@	153248	-	-	-	AR	AR	Post - Pull
44	400620	1	1	2	2	3	Bolt, 5/8-11 x 2-1/2 Hex Hd
45	446146	1	1	1	1	1	Lockwasher, 7/16 Med.
46	443114	1	1	1	1	1	Nut, 7/16 Hex
47	441676	1	1	2	2	3	Bolt, 3/8-16 x 1-1/4 Rd Hd Carriage
48	443110	1	1	2	2	3	Nut, 3/8 Hex
49	352786	1	1	2	2	3	Ball Hitch
50	446166	1	1	2	2	3	Lockwasher, 5/8 Hvy
51	310711	1	1	2	2	3	Washer, 3/8 Flat

\* Not serviced assembled. For breakdown of parts see Page 8.

@ These are originally welded parts but may be ordered for replacement on an as required (AR) basis.

# ILLUSTRATION 2

## ESTATE TRIPLE ATTACHMENT



### PARTS LIST

Ref. No.	Part No.	Quan.	Description
1	318972	2	Brace
2	162470	1	Ball Coupling Hitch Assem
3	110466	2	Ball Hitch Assem, Incl Ref. 43, 44, 45
4	318974	1	Extension - Ball Hitch
5	119062	1	"A" Frame
6	400310	4	Screw - 3/8-24 x 2-1/2 Hex Hd Cap
7	446142	6	Lockwasher - 3/8 Hvy
8	443112	6	Nut - 3/8-24 - Hex
9	316724	3	Spring - Unit Tension
10	400312	12	Screw, 3/8-24 x 3 - Hex Hd Cap
11 ½	153250	AR	Post - Unit
12	444744	13	Nut, 3/8-24 - Hex Gripco
13 ⑥	153246	AR	Post - Pull RH
13 ½	153247	AR	Post - Pull LH
14	325390	2	Pin - Rod End
15	460028	8	Pin, 1/8 x 1 - Cotter
16	318973	1	Extension - Ball
17	400420	2	Screw, 1/2-13 x 3-1/2 Hex Hd Cap
18	446154	2	Lockwasher, 1/2 Hvy
19	443118	2	Nut, 1/2-13 - Hex
20	444744	4	Nut, 3/8-24 Hex Gripco
22	129925	1	Ball Coupling hitch assem
23	400296	4	Screw, 3/8-24 x 7/8 Hex Hd Cap
24	336940	2	Decal - Jacobsen
25	119061	1	"B" Frame
26 ½	110467	AR	Post - Pull
27 ½	318970	AR	Support - Pull Post

Ref. No.	Part No.	Quan.	Description
28	318005	2	Bolt
29	444730	2	Nut, 7/16-20 -Hex Gripco
30	318006	4	Bushing - Rubber
31	110469	2	Yoke - Pull
32	318994	4	Spacer
33	318993	2	Brace - Pull Yoke
34	400314	2	Screw, 3/8-24 x 3-1/2 - Hex Hd Cap
35	453011	2	Washer, 3/8
36	110536	3	Handle
37	319053	6	Spacer
38	319051	6	Link - Lift
39	318985	3	Spacer
40	318983	6	Strap
41	325540	3	Pin
42	325539	3	Pin
43	352786	2	Ball Hitch
44	446166	2	Lockwasher, 5/8 Hvy
45	400620	2	Bolt, 5/8-11 x 2-1/2 Hex Hd
46	325406	2	Washer, Ball Hitch Mtg
47	360796	1	Tube, Coupler

Note: No Orders can be filled unless part number and model number of equipment is given.

½ These are originally welded parts but may be ordered for replacement on an "as required" (AR) basis.