

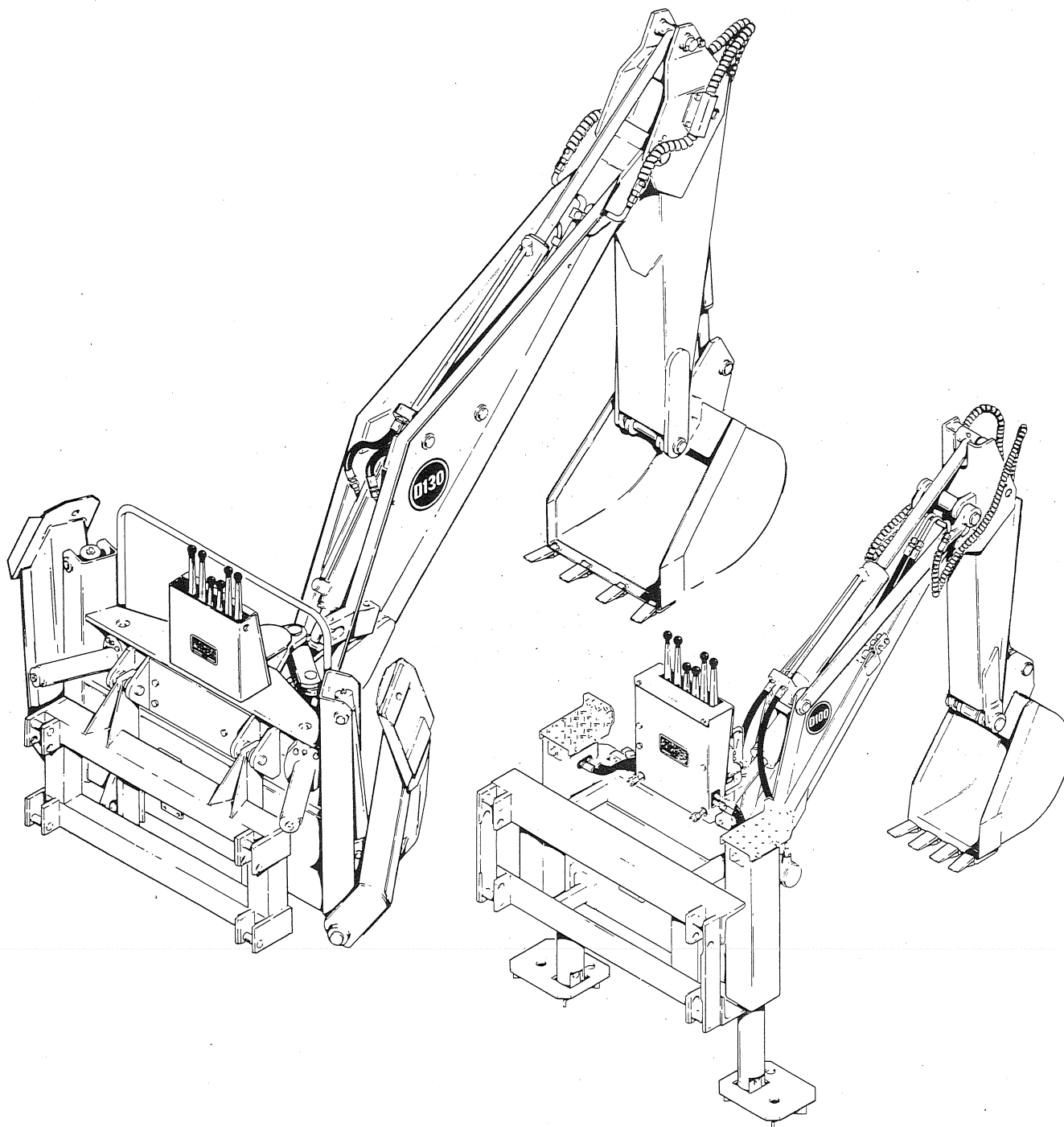
REVISION RECORD LOG

REVISION NO.	DATE INSERTED
1.	
2.	
3.	
4.	
5.	

D100 & D130 BACKHOES

Parts Catalog B1275

Note: Discard parts catalog A1275.

**J I Case**

A Tenneco Company



Issued May, 1979

Printed in U.S.A.

GENERAL INFORMATION

Indexes

This parts catalog is arranged for easy identification of parts. The Alphabetical Index at the front of the catalog gives location of major groups and assemblies. The Numerical Index at the rear of the catalog gives part numbers and the page on which they are listed.

Abbreviations and Terms

HHCS - Hex head capscrew.
 NSS- Not sold separately.
 REF - Reference. Used to clarify drawing.
 RESERVED - No item listed.
 UAR - Use as required.

Changes

When changes are made to the machine, revised pages for this catalog will be issued. These pages must be inserted into your catalog as soon as they are received. Failure to keep your catalog up to date will result in confusion and may cause you to order wrong parts.

Orders

Orders should specify correct part number, full description, quantity required, machine and engine model, machine and engine serial numbers, method of shipment and shipping address.

Right-Hand and Left-Hand Sides

The terms right-hand and left-hand (abbreviated to L. H. and R. H.) as used in this catalog indicate the right and left sides of the machine as viewed from the operator's seat for proper operation of the machine or attachment.

U.S. and Metric Units

Sizes, lengths, and dimensions are given in U.S. units followed by its equivalent in metric units. See item 10 below. Sizes of hardware (bolts, nuts, etc.) are given according to hardware type---in inches for U.S. hardware; in millimeters for metric hardware. See items 2, 11 and 12.

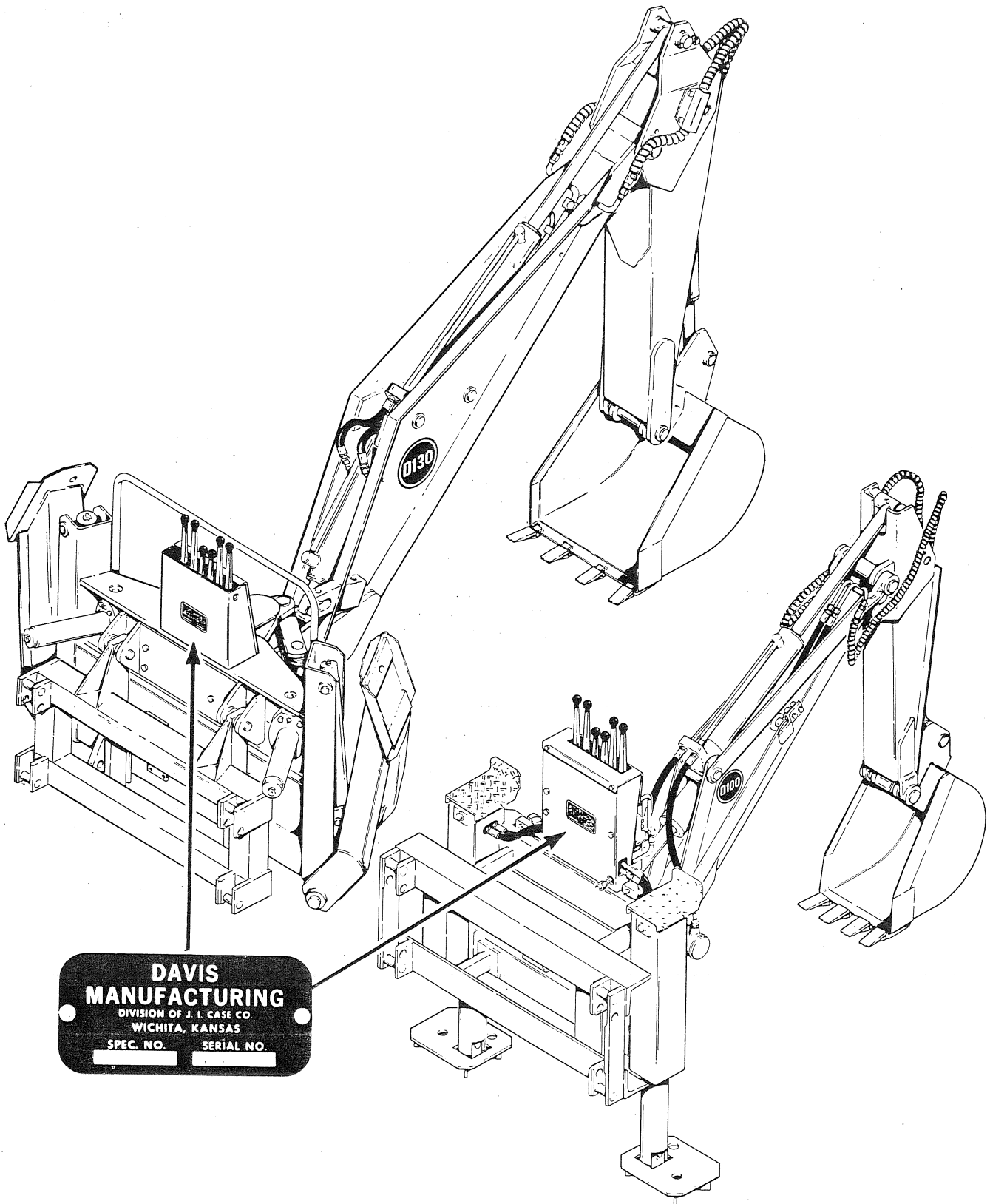
Description, Quantity, and Machinery Items

All parts are briefly described under DESCRIPTION. The quantity used is listed under REQ'D. Notice in the example below that the description of some items is moved in (indented) from the left-hand margin. An indented item is part of the item under which it is indented. The example shows that six track roller assemblies are used on the machine. Each track roller contains two nuts, two washers, two block and retainers, two O-rings, and two face seal assemblies (indented items 1 thru 5). The face seal assemblies are further divided to show individual parts (items 6, 7, and 8).

Machinery items (Mach. Item) must be ordered from the Machinery Price List. See item 9 in the example.

REF.	PART NO.	DESCRIPTION	REQ'D.
	R 27948	ROLLER ASSEMBLY - track, single flange	6
1	131- 737	NUT - hex., lock (3/4" - 10 NC)	2
2	R 29429	WASHER - hardened, 1/2" thick	2
3	R 27951	BLOCK AND RETAINER - seal	2
4	A 7156	O-RING	2
5	D 35267	SEAL - face	2
6	NSS	BODY - seal, split	1
	D 36826	KIT - repair	1
7	NSS	SEAL - rubber	2
8	NSS	RETAINER - plastic	1
9	Mach. Item	FRAME - mounting (See page 2 or 3 for ordering)	1
10	D 48297	HOSE - lube, 30" (762 mm) long	1
11	13- 728	HHCS - 7/16" - 14 NC x 1-3/4"	2
12	D 51263	HHCS - M20 x 2.5 x 80 (8.8)	2

D100 & D130 BACKHOE SERIAL NUMBER LOCATIONS



D100 AND D130 BACKHOES

ALPHAPETICAL INDEX

B

Boom	
D100 Backhoe	33
D130 Backhoe	73
Buckets	
D100 Backhoe	35
D130 Backhoe	75

C

Cylinders - D100 Backhoe	
Boom	47-59
Bucket	47-59
Dipper Arm	47-59
Stabilizer	45
Swing	45
Cylinders - D130 Backhoe	
Boom	95-105
Bucket	107
Dipper Arm	95-105
Stabilizer	93
Swing	89, 91

D

Decals	
D100 Backhoe	33, 37, 41
D130 Backhoe	71, 73, 81
Dipper Arm	
D100 Backhoe	33
D130 Backhoe	73

F

Frames - main	
D100 Backhoe	11-15, 19, 31
D130 Backhoe	17-23, 69, 71

H

Hydraulic circuits - D100 Backhoe	
Backhoe Connecting	25
Boom, Dipper Arm and Bucket Circuits	39, 43
Swing and Stabilizer Circuits	37, 41
Hydraulic Circuits - D130 Backhoe	
Backhoe Connecting	25, 27
Boom Dipper Arm and Bucket Circuits	79, 83
Swing and Stabilizer Circuits	77, 81
Hydraulic Couplings	109

K

King Post - D100 Backhoe (swing tower)	31
--	----

L

Levers - control	
D100 Backhoe	37, 41
D130 Backhoe	77, 81

M

Mast - D130 Backhoe (Swing Tower)	69, 71
-----------------------------------	--------

S

Safety Stops	11-21
Seats	9-23
Stabilizer legs	
D100 Backhoe	31
D130 Backhoe	69, 71
Swing Towers	
D100 Backhoe (King Post)	31
D130 Backhoe (Mast)	69, 71

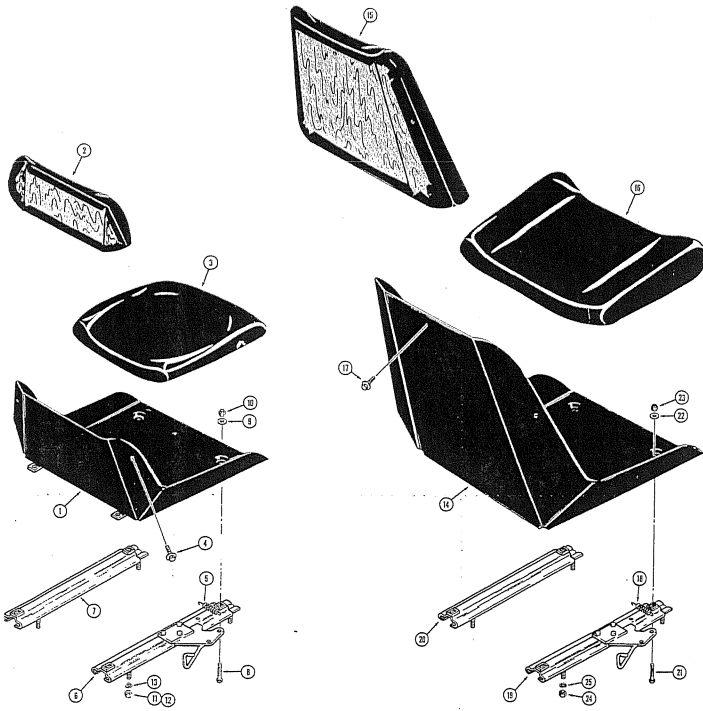
T

Transport links - D100 Backhoe	33
--------------------------------	----

V

Valves	
Flow Control	25, 29
D100 Backhoe Control	37-41, 61-67
D130 Backhoe Control	77-83, 85, 87

BACKHOE SEAT
USED ON 1500 SERIES, 1700 SERIES, 150M, 170, 180, 190 UNI-LOADERS
AND 380 CK LOADER BACKHOE



REF.	PART NO.	DESCRIPTION	REQ'D.
T	40366	SEAT ASSEMBLY - complete, backhoe operator's	1
1	NSS	SHELL - T40366 seat	1
2	D 53696	CUSHION - back, T40366 seat	1
3	D 53697	CUSHION - bottom, T40366 seat	1
4	193- 545	SCREW - with internal tooth lockwasher, 1/4" - 20 NC x 3/4" plated	5
5	D 53344	SPRING - adjuster return 1/2" (13 mm) long, if used	1
5	D 55954	SPRING - adjuster return, 1-11/16" (43 mm) long, if used	1
6	D 53585	SLIDE - seat, adjusting	1
7	D 53586	SLIDE - seat, non-adjusting	1
8	114- 101	HHCS - 5/16" - 24 NF x 7/8"	4
9	95- 5	WASHER - flat, 5/16"	4
10	131- 31	NUT - hex self lock, 5/16" - 24 NF	4
11	25- 115	NUT - hex, 5/16" - 24 NF, if used	4
12	25- 105	NUT - hex, 5/16" - 18 NC, if used	4
13	92- 5	WASHER - lock, 5/16"	4

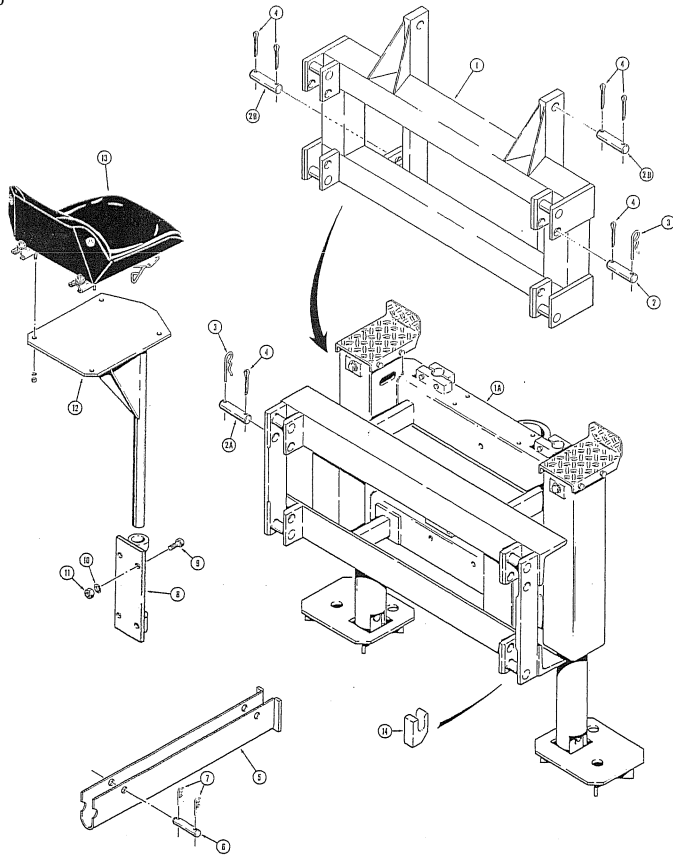
BACKHOE SEAT
FOR 1830 AND 1845 UNI-LOADER

D	56576	SEAT ASSEMBLY	1
14	NSS	SHELL - seat	1
15	D 53583	CUSHION - back	1
16	D 53584	CUSHION - bottom	1
17	193- 545	SCREW - with internal lockwasher, 1/4" - 20 NC x 3/4", plated	5
18	D 55954	SPRING - return, adjuster	1
19	D 53585	SLIDE - seat, adjuster	1
20	D 53586	SLIDE - seat, non-adjusting	1
21	114- 101	HHCS - 5/16" - 24 NF x 7/8"	4
22	95- 5	WASHER - flat, 5/16"	4
23	131- 31	NUT - hex, self lock, 5/16" - 24 NF	4
24	92- 5	WASHER - lock, 5/16"	4
25	25- 115	NUT - hex, 5/16" - 24 NF	4

741284

Printed in U.S.A.

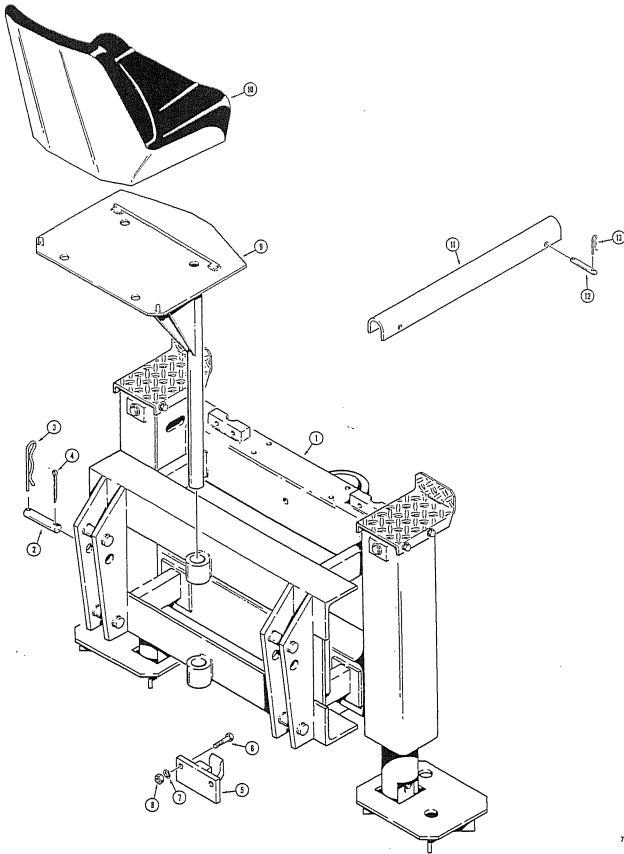
Issued May, 1979



741255 A

**MOUNTING FRAME AND SEAT
FOR 1500 SERIES AND 1700 SERIES UNI-LOADERS
ALSO FOR 150M, 170, 180 AND 190 UNI-LOADERS**

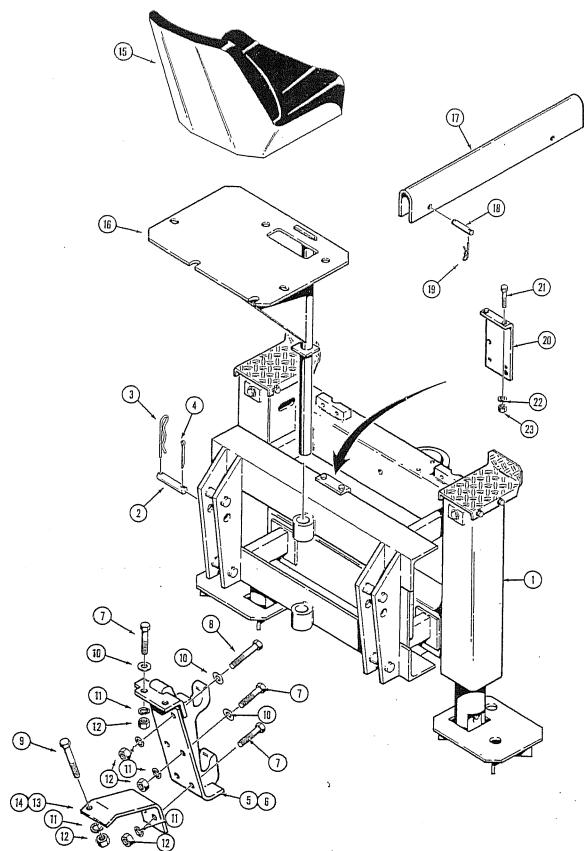
REF.	PART NO.	DESCRIPTION	REQ'D.
1	T 40677	FRAME - backhoe mounting, used before tractor sn 9813301, use T41523 frame and (2) T40685 pins for service, parts list page 31	1
1A	T 41523	FRAME - backhoe mounting, used tractor sn. 9813301 and after, without flow control valve, use T42648 frame, parts list page 31	1
1A	T 42648	FRAME - backhoe mounting, used tractor sn. 9813301 and after with flow control valve, parts list page 31	1
2	T 40686	PIN - T40677 frame attaching	2
2A	T 40685	PIN - T41523 and T42648 frame attaching	2
2B	T 40685	PIN - T40677 frame to backhoe	4
3	T 40222	PIN - hair, cotter	2
4	132- 159	PIN - cotter, 1/4" dia x 3"	1
5	T 41551	SAFETY STOP - for loader lift cylinders, all 150M, 170, 180, 190, 1526, 1530, 1537 models and 1530B models without self-leveling loader	2
5	D 55131	SAFETY STOP - for loader lift cylinders, 1530B models with self-leveling loader and all 1700 series models	2
6	T 41554	PIN - safety stop	4
7	136- 164	PIN - hair, cotter	8
8	T 41530	PLATE - seat base	1
9	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	4
10	92- 8	WASHER - lock, 1/2"	4
11	25- 108	NUT - hex, 1/2" - 13 NC	4
12	T 40691	FRAME - backhoe seat	1
13	T 40366	SEAT - backhoe, parts list page 9	1
14	T 41758	HOOK - backhoe mounting, welded to uni-loader main frame	4



7412378

**MOUNTING FRAME AND SEAT
MODEL 1830 UNI-LOADER**

F.	PART NO.	DESCRIPTION	REQ'D
1	D 63919	FRAME - backhoe mounting, parts list page 31	1
2	T 40685	PIN - frame attaching	2
3	T 40222	PIN - hair, cotter	2
4	132- 159	PIN - cotter, 1/4" x 3"	2
5	D 60674	MOUNT - backhoe, hook	4
6	113- 410	HHCS - 1/2" - 13 NC x 1-1/2", plated	8
7	92- 8	WASHER - lock, 1/2", plated	8
8	129- 105	NUT - hex, 1/2" - 13 NC, plated	8
9	D 63445	POST - seat	1
10	D 56576	SEAT - operators, parts list page 9	1
11	D 63533	SAFETY STOP - for loader lift cylinders	2
12	D 63534	PIN - stop retaining	4
13	136- 159	PIN - hair, cotter	8



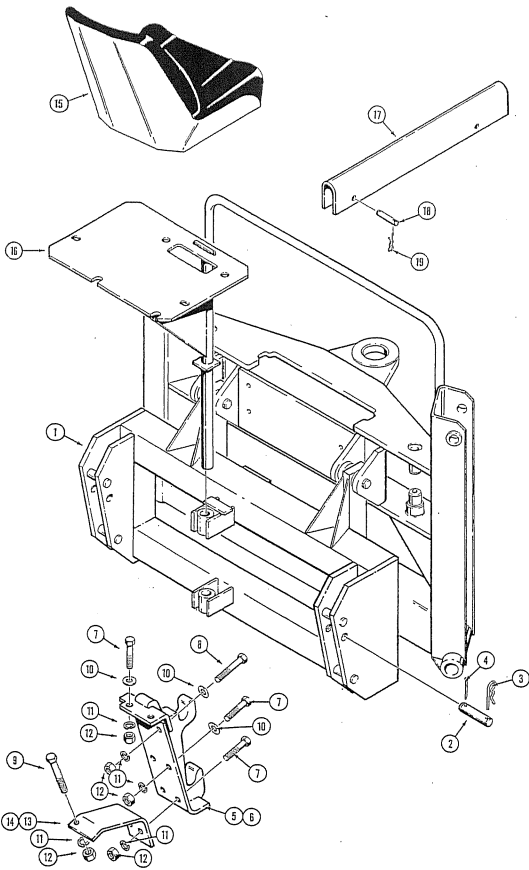
751529

MOUNTING FRAME AND SEAT MODEL 1845 UNI-LOADER

REF.	PART NO.	DESCRIPTION	REQ'D
1	D 63916	FRAME - backhoe, parts list page 31	1
2	T 40685	PIN - frame attachment	2
3	T 40222	PIN - hair, cotter	2
4	132- 159	PIN - cotter, 1/4" x 3"	2
5	D 71641	HOOK - backhoe, LH	1
6	D 71643	HOOK - backhoe, RH	1
7	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	12
8	13- 836	HHCS - 1/2" - 13 NC x 2-1/4"	4
9	13- 848	HHCS - 1/2" - 13 NC x 3"	2
10	R 24323	WASHER - hardened	12
11	92- 8	WASHER - lock, 1/2"	18
12	25- 108	NUT - hex, 1/2" - 13 NC	18
13	D 70531	BRACE - RH hook	1
14	D 70532	BRACE - LH hook	1
15	D 56576	SEAT - operators, parts list page 9	1
16	D 70380	POST - seat	1
17	D 68960	SAFETY STOP - lift cylinders	2
18	D 63534	PIN - stop	4
19	136- 159	PIN - hair, cotter	8
20	D 65591	BRACKET - flow divider	1
21	13- 616	HHCS - 3/8" - 16 NC x 1"	2
22	92- 6	WASHER - lock, 3/8"	2
23	25- 106	NUT - hex, 3/8" - 16 NC	2

Printed in U.S.A.

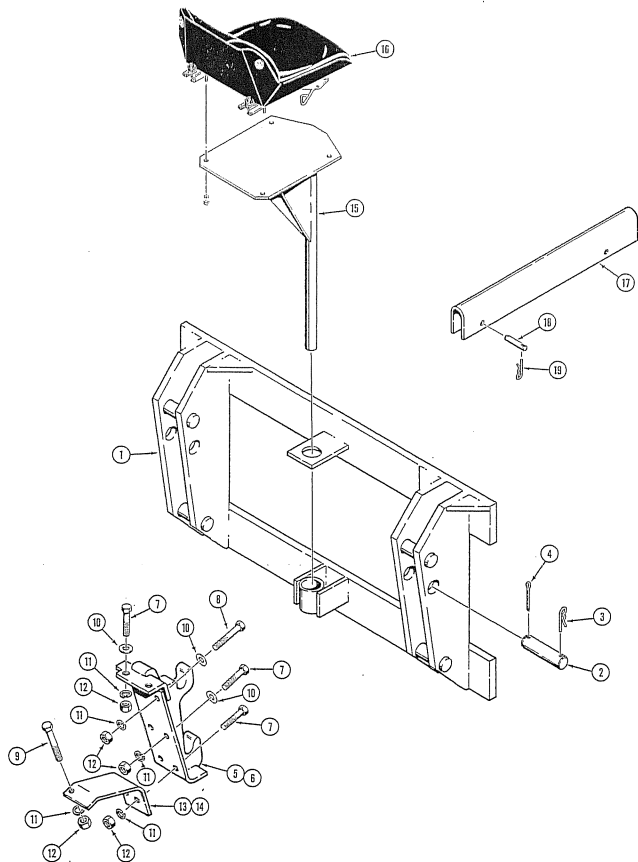
Issued May, 1979



751528

MOUNTING FRAME AND SEAT
MODEL 1845 UNI-LOADER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 70255	FRAME - backhoe, parts list page 69	1
2	T 40685	PIN - frame attachment	2
3	T 40222	PIN - hair, cotter	2
4	132- 159	PIN - cotter, 1/4" x 3"	2
5	D 71641	HOOK - backhoe, LH	1
6	D 71643	HOOK - backhoe, RH	1
7	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	12
8	13- 836	HHCS - 1/2" - 13 NC x 2-1/4"	4
9	13- 848	HHCS - 1/2" - 13 NC x 3"	2
10	R 24323	WASHER - hardened	12
11	92- 8	WASHER - lock, 1/2"	18
12	25- 108	NUT - hex, 1/2" - 13 NC	18
13	D 70531	BRACE - RH hook	1
14	D 70532	BRACE - LH hook	1
15	D 56576	SEAT - operators, parts list page 9	1
16	D 70380	POST - seat	1
17	D 68960	SAFETY STOP - lift cylinders	2
18	D 63534	PIN - stop	4
19	136- 159	PIN - hair, cotter	8



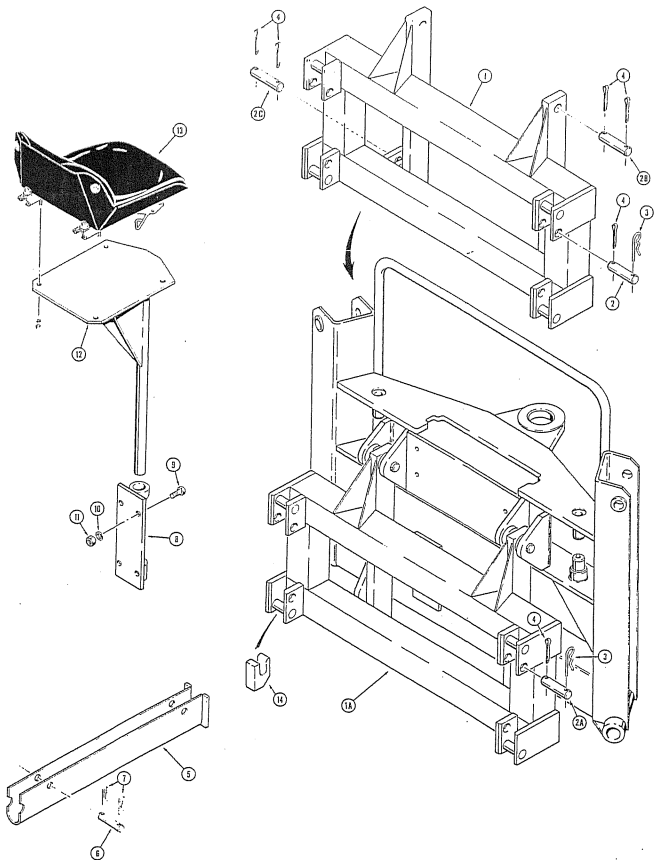
791162

**MOUNTING FRAME AND SEAT
TO ADAPT 1700 SEATS UNI-LOADER
BACKHOES TO 1845 UNI-LOADER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 76847	FRAME	1
2	T 40685	PIN - frame attachment	2
3	T 40222	PIN - hair	2
4	132- 159	PIN - cotter, 1/4" x 3"	2
5	D 71641	HOOK - backhoe, LH	1
6	D 71643	HOOK - backhoe, RH	1
7	13- 828	HHCS- 1/2" - 13 NC x 1-3/4"	12
8	13- 836	HHCS - 1/2" - 13 NC x 2-1/4"	4
9	13- 848	HHCS - 1/2" - 13 NC x 3"	2
10	R 24323	WASHER - hardened	12
11	92- 8	WASHER - lock, 1/2"	16
12	25- 108	NUT - hex, 1/2" - 13 NC	16
13	D 70531	BRACE - RH hook	1
14	D 70532	BRACE - LH hook	1
15	T 40691	FRAME - backhoe seat	1
16	T 40366	SEAT - parts list page 9	1
17	D 68960	SAFETY STOP - lift cylinders	2
18	D 63534	PIN - stop	4
19	136- 159	PIN - hair, cotter	8

Printed in U.S.A.

Issued May, 1979

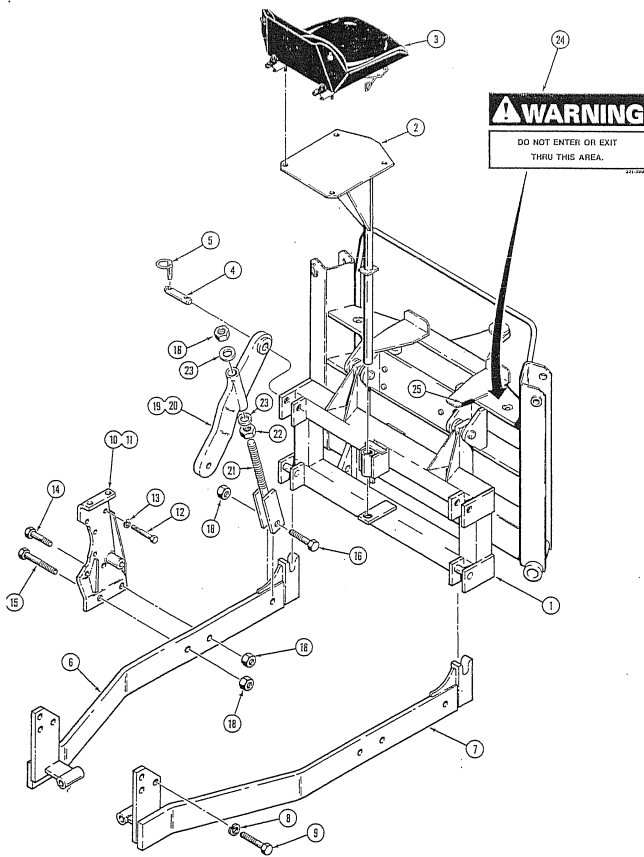


741356 A

**MOUNTING FRAME AND SEAT
FOR ALL 1500 SERIES, 1530B AND 1700 SERIES UNI-LOADERS
ALSO FOR 150M, 170, 180 AND 190 UNI-LOADERS**

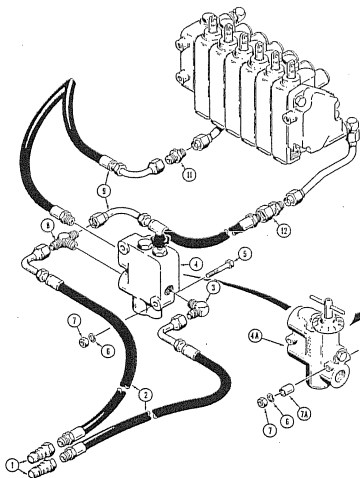
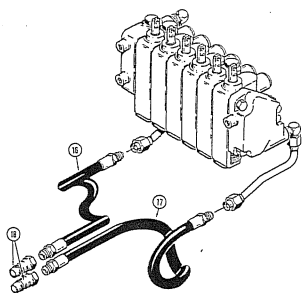
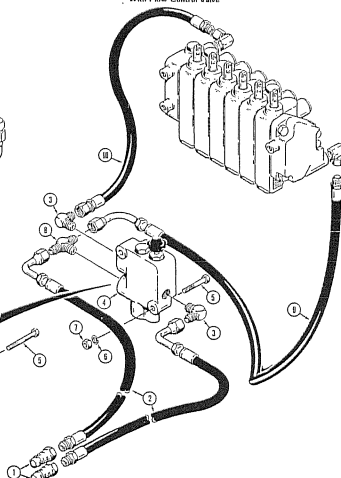
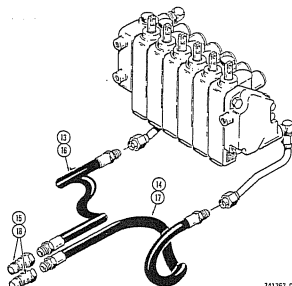
REF.	PART NO.	DESCRIPTION	REQ'D.
1	T 40722	FRAME - backhoe mounting, used before tractor sn 9813301, service with T41550 frame and (2) T42308 pins, parts list page 69	1
1A	T 41550	FRAME - backhoe mounting. Used tractor sn 9813301 and after without flow control valve, service with T42647 frame, parts list page 69	1
1A	T 42647	FRAME - backhoe mounting, used tractor sn 9813301 and after with flow control valve, parts list page 69	1
2	T 40735	PIN - T40722 frame attaching	2
2A	T 42308	PIN - T41550 and T42647 frame attaching	2
2B	T 40732	PIN - T40722 frame to backhoe, upper	2
2C	T 40733	PIN - T40722 frame to backhoe, lower	2
3	T 40222	PIN - hair, cotter	2
4	132- 15	PIN - cotter, 1/4" dia x 3"	UAR
5	D 55131	SAFETY STOP - for loader lift cylinders, 1530B models with self-leveling loader and all 1700 series models	2
5	T 41551	SAFETY STOP - loader lift cylinders, all 150M, 170, 180, 190 1526, 1530, 1537 models and 1530B models without self-leveling loader	2
6	T 41554	PIN - safety stop	2
7	136- 164	PIN - hair, cotter	8
8	T 41530	PLATE - seat base	1
9	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	4
10	92- 8	WASHER - lock, 1/2"	4
11	25- 108	NUT - hex, 1/2" - 13 NC	4
12	T 40691	FRAME - backhoe seat	1
13	T 40366	SEAT - backhoe, parts list page 9	1
14	T 41758	HOOK - backhoe mounting, welded to uni-loader main frame	4

MOUNTING FRAME AND SEAT USED ON 380 CK LOADER BACKHOE



REF.	PART NO.	DESCRIPTION	REQ'D
1	D 81310	FRAME - backhoe mounting, parts list page 71	1
2	D 76067	FRAME- backhoe seat	1
3	T 40366	SEAT - backhoe, parts list page 9	1
4	T 42308	PIN	2
5	A 30338	PIN - lock	4
6	D 75984	ARM - backhoe mount, RH	1
7	D 75985	ARM - backhoe mount, LH	1
8	192- 25	WASHER - flat, 5/8", plated	6
9	113- 620	HHCS - 5/8" - 11 NC x 2-1/4", plated	6
10	D 76007	BRACKET - LH, arm mount	1
11	D 76008	BRACKET - RH arm mount	1
12	113- 427	HHCS - 1/2" - 13 NC x 3-1/4", plated	12
13	192- 23	WASHER - lock, 1/2", plated	12
14	113- 925	HHCS - 1" - 8 NC x 3", plated	2
15	113- 926	HHCS - 1" - 8 NC x 4", plated	2
16	113- 907	HHCS - 1" - 8 NC x 3-1/4", plated	2
17		RESERVED	
18	129- 100	NUT - hex, self lock, 1" - 8 NC, plated	8
19	D 76554	LINK - RH	1
20	D 76555	LINK - LH	1
21	D 75978	ROD - tension	2
22	129- 110	NUT - hex, 1" - 8 NC, plated	4
23	D 37732	WASHER - hardened	4
24	321- 3997	DECAL - warning, do not enter or exit	2
25	D 43403	TRIM - rubber	2

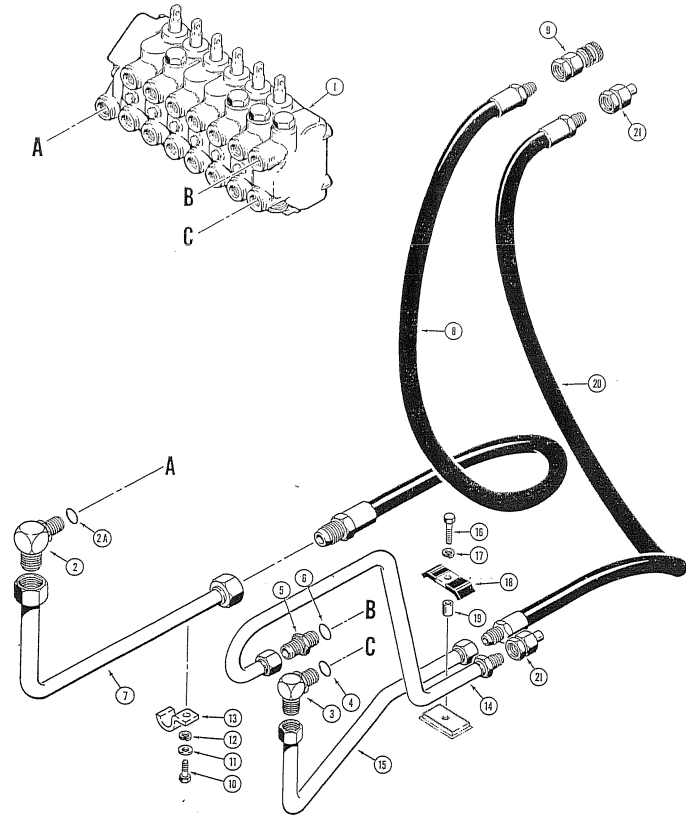
761220

D-100 Connecting Hyd. For 1500, 1700 & 1845 Series
With Flow Control ValveD100 Connecting Hyd. For 150M, 170, 180, 190 &
1500 Series Uni-Loaders Without Flow Control ValveD-130 Connecting Hyd. For 1500, 1700 & 1845 Series
With Flow Control ValveD100 Connecting Hyd. For 1030 Uni-Loaders &
150M, 170, 180, 190, & 1500 Series Without Flow
Control Valve

241357 C

BACKHOE HYDRAULIC CONNECTING LINES
USED ON UNI-LOADERS

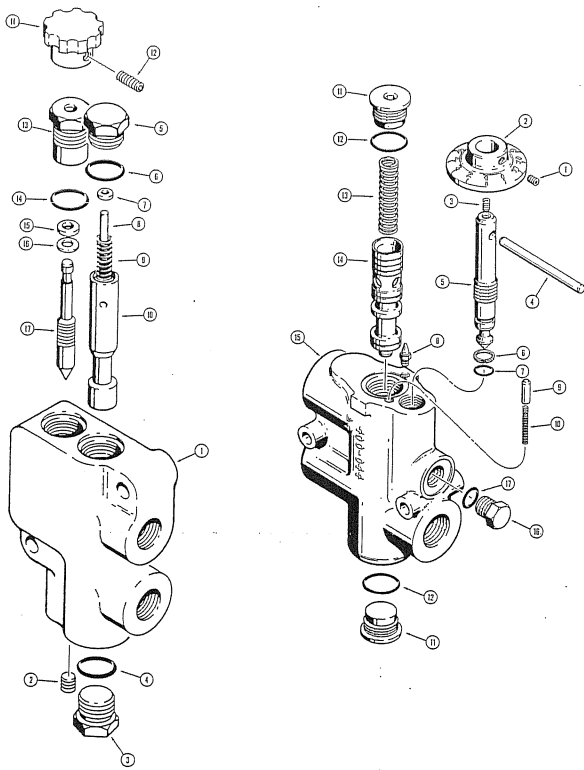
REF.	PART NO.	DESCRIPTION	REQ'D
MODELS 1500, 1700 SERIES AND 1845 Uloader with FLOW CONTROL VALVE			
1	T 41332	COUPLING - quick disconnect, male	2
2	D 52898	HOSE ASSEMBLY - 1500 and 1700 series uni-loader 48" (1219 mm) long	2
2	D 73091	HOSE ASSEMBLY - 1845 uni-loader	2
3	218- 485	FITTING - male, 90°	1-2
4	D 52901	VALVE ASSEMBLY - flow control, Cessna, parts list page 29	1
4A	D 64103	VALVE ASSEMBLY - flow control, Char-Lynn, parts list page 29, use D52901 for service	1
5	13- 636	HHCS - 3/8" - 16 NC x 2-1/4", D52901 valve	2
5	13- 452	HHCS - 1/4" - 20 NC x 3-1/4", D64103 valve	2
6	92- 6	WASHER - lock, 3/8"	2
6	92- 4	WASHER - lock, 1/4"	2
7	25- 106	NUT - hex, 3/8" - 16 NC	2
7	25- 104	NUT - hex, 1/4" - 20 NC	2
7A	D 34089	SPACER - D64103 valve	2
8	218- 555	TEE - male	2
9	D 52899	HOSE - flow control valve to backhoe valve, 25" (635 mm) long	1-2
10	D 52900	HOSE - flow control valve to backhoe valve, 17" (432 mm) long, D130 backhoe only	1
11	218- 435	FITTING - male, straight, D100 backhoe only	1
12	218- 465	FITTING - male-female, straight, D100 backhoe only	1
FOR MODEL 1830 UNI-LOADER			
13	D 65045	HOSE - tractor to backhoe valve, 40" (1016 mm) long	1
14	D 65044	HOSE - tractor to backhoe valve, 50" (1270 mm) long	1
15	T 41332	COUPLING - quick disconnect, male	2
MODELS 150M, 170, 180, 190, AND 1500 SERIES UNI-LOADERS WITHOUT FLOW CONTROL VALVE			
16	T 41534	HOSE - tractor to D100 backhoe, 45-1/2" (1156 mm) long	2
17	T 41547	HOSE - tractor to D130 backhoe, 58" (1473 mm) long	2
18	T 41332	COUPLING - quick disconnect, male	2



761226

BACKHOE HYDRAULIC CONNECTING LINES
USED ON 380 CK LOADER BACKHOE

REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	VALVE - backhoe control, parts list page 85 and 87	1
2	218- 5164	FITTING - 90°, adjustable	1
2A	218- 5007	O-RING	1
3	218- 5123	FITTING - 90°, adjustable	1
4	218- 5007	O-RING	1
5	218- 5065	FITTING - straight male	1
6	218- 5007	O-RING	1
7	D 76102	TUBE	1
8	D 76136	HOSE - 50" (1270 mm) long	1
9	D 52800	COUPLING - quick disconnect, female, parts list page 109	1
10	113- 205	HHCS - 3/8" - 16 NC x 5/8", plated	1
11	195- 525	WASHER - flat, 3/8", plated	1
12	192- 21	WASHER - lock, 3/8", plated	1
13	D 55880	CLAMP	1
14	D 76536	TUBE	1
15	D 76759	TUBE	1
16	113- 208	HHCS - 3/8" - 16 NC x 1-1/4", plated	1
17	192- 21	WASHER - lock, 3/8", plated	1
18	D 40236	CLAMP	1
19	D 36040	SPACER	1
20	D 77100	HOSE - 50" (1270 mm) long	1
21	D 52694	COUPLING - quick disconnect, male, parts list page 109	1



742294 A

D100 AND D130 BACKHOES D52901 FLOW CONTROL VALVE

29

REF.	PART NO.	DESCRIPTION	REQ'D
	D 52901	VALVE - flow control, Gresen #CFDA-50	1
1	D 52901	VALVE - flow control, Gresen #CFDA-50	1
2	221- 849	BODY - valve	1
3	D 54275	PLUG - socket head, 1/8" NPT	1
4	218- 5007	PLUG - special, solid	1
5	D 54270	O-RING	1
6	218- 5007	PLUG - special, hollow	1
7	D 54271	O-RING	1
8	D 54273	SHIM - spring	1
9	D 54272	GUIDE - spring	1
10	D 54274	SPRING - spool	1
11	D 54188	SPOOL - floating	1
12	178- 859	KNOB - flow control valve	1
13	D 54189	SCREW - set, socket head, #10 - 32 NF x 3/4"	1
14	218- 5007	PLUG - special	1
15	R 12509	O-RING	1
16	D 54268	RING - backup	1
17	D 54269	SEAL - needle	1
		NEEDLE - valve	1

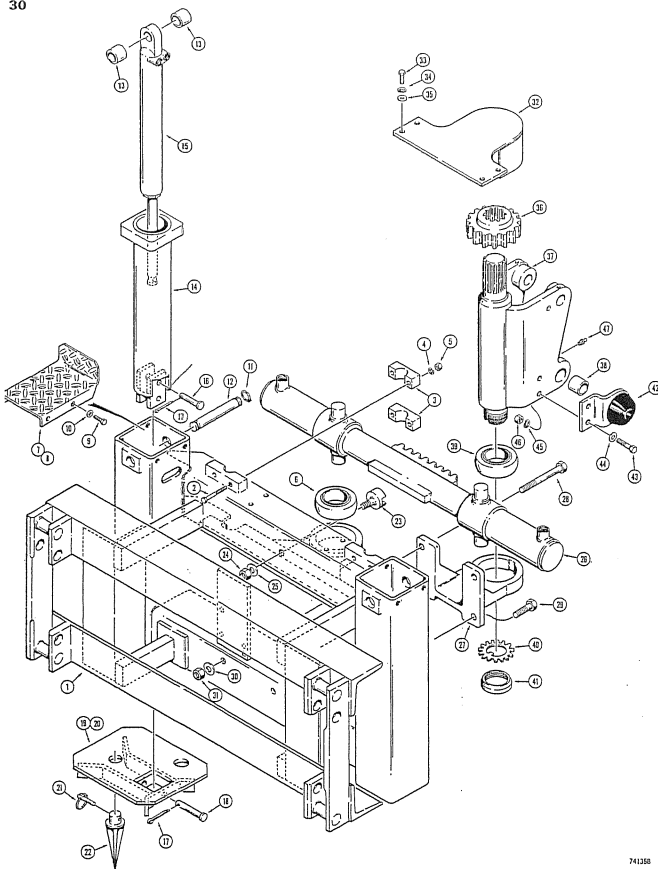
D64103 FLOW CONTROL VALVE

	D 64103	VALVE - flow control, Char-Lynn	1
1	178- 413	SCREW - set, Allen, #10 - 24 NC x 1/4"	1
2	D 70641	DISC - control, includes pointer	1
3	178- 413	SCREW - set, Allen, #10 - 24 NC x 1/4"	1
4	D 70642	ROD - handle	1
5	D 70637	VALVE - needle	1
6	L 31330	RING - backup	1
7	A 30825	O-RING	1
8	NSS	POINTER - use D70641	1
9	D 70639	STOP	1
10	D 70638	SPRING - detent	1
11	D 70636	PLUG - hex head, special	1
12	218- 5007	O-RING	2
13	D 70635	SPRING - spool	1
14	D 70634	SPOOL - floating	1
15	NSS	BODY - valve	1
16	218- 5154	PLUG - hex head	1
17	218- 5004	O-RING	1

Printed in U.S.A.

Issued May, 1979

MAIN FRAME, STABILIZER AND KING POST



741388

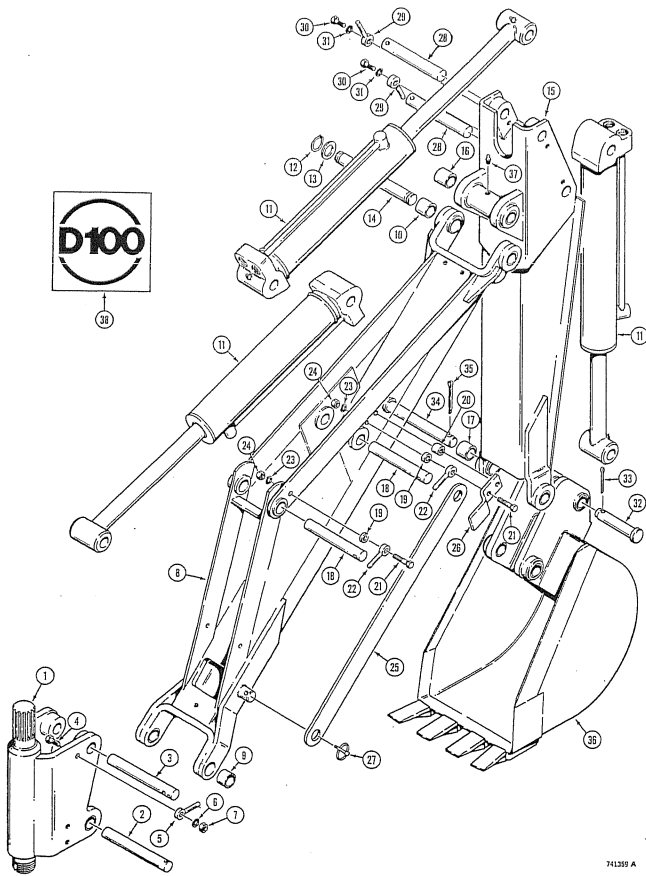
REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	MAIN FRAME ASSEMBLY - see pages 11 thru 15 for proper frame	1
2	113- 248	HHCS - 3/8" - 16 NC x 2-3/4", plated	8
3	NSS	BLOCK - swing cylinder	4
4	192- 21	WASHER - lock, 3/8", plated	8
5	129- 103	NUT - hex, 3/8" - 16 NC, plated	8
6	H 747170	BEARING - king post	1
7	H 308726	FOOT REST - RH	1
8	H 308726	FOOT REST - LH	1
9	187- 1069	SCREW - self-tapping, 5/16" - 18 NC x 3/4", plated	8
10	192- 20	WASHER - lock, 5/16", plated	8
11	F 62235	SNAP RING	4
12	HO 50831	PIN - stabilizer cylinder, closed end	2
13	HO 52068	SPACER - stabilizer cylinder	4
14	H 514554	STABILIZER - tube	2
15	H 514117	CYLINDER - stabilizer, parts list page 45	2
16	H 51870	PIN - stabilizer	2
17	132- 48	PIN - cotter, 1/8" x 1"	4
18	HO 31161	PIN - stabilizer pad to stabilizer	2
19	H 514562	PLATE - LH	1
20	H 514570	PLATE - RH	1
21	H 907683	KIT - stabilizer spike	1
22	A 30338	PIN - lock	4
23	NSS	SPIKE - stabilizer	4
24	HO 50377	GUIDE - rack, swing cylinder	1
25	131- 1171	NUT - hex, self lock, 5/8" - 18 NF, plated	1
26	195- 541	WASHER - flat, 5/8", plated	1
27	H 514125	CYLINDER - swing, parts list page 45	1
28	HO 50724	HOUSING - lower mast	1
29	113- 650	HHCS - 5/8" - 11 NC x 6-1/2", plated	1
30	113- 604	HHCS - 5/8" - 11 NC x 2", plated	2
31	129- 107	WASHER - flat, 5/8", plated	4
32	129- 107	NUT - hex, 5/8" - 11 NC, plated	4
33	H 514380	COVER - gear	1
34	113- 208	HHCS - 3/8" - 16 NC x 1-1/4", plated	4
35	192- 21	WASHER - lock, 3/8", plated	4
36	195- 525	WASHER - flat, 3/8", plated	4
37	HO 50369	GEAR - swing	1
38	178 -53	SCREW - set, 3/8" - 16 NC x 3/8", swing gear, not shown	4
39	H 514596	KING POST - swing tower	1
40	H 56192	BUSHING - post	1
41	H 747170	BEARING - mast	2
42	192- 311	WASHER - lock, bearing	1
43	131- 1037	NUT - lock, bearing	1
44	H 625756	BUMPER - cushion	1
45	113- 424	HHCS - 1/2" - 13 NC x 1", plated	2
46	195- 533	WASHER - flat, 1/2"	4
47	192- 23	WASHER - lock, 1/2", plated	4
48	129- 105	NUT - hex, 1/2" - 13 NC, plated	4
49	219- 8	GREASE FITTING - straight, 1/4" - 28 NF taper	2

Printed in U.S.A.

Issued May, 1979

D100 BACKHOE
BOOM, DIPPER ARM AND BUCKET

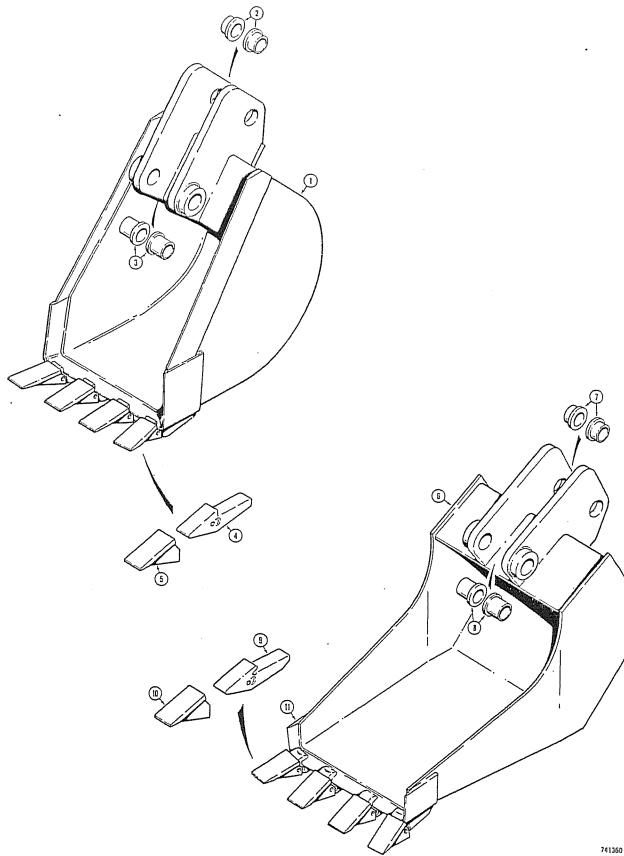
33



REF.	PART NO.	DESCRIPTION	REQ'D
1	REF.	KING POST - swing tower, parts list page 31	1
2	HO 50526	PIN - boom attaching	1
3	HO 56945	PIN - boom cylinder, rod end	1
4	113- 209	HHCS - 3/8" - 16 NC x 1-1/2", plated	1
5	H 313981	PIN - keeper	1
6	192- 21	WASHER - lock, 3/8", plated	1
7	129- 103	NUT - hex, 3/8" - 16 NC, plated	1
8	H 514620	BOOM ASSEMBLY	1
9	HO 50435	BUSHING - boom mounting	2
10	HO 56184	BUSHING - dipper mounting	2
11	REF.	CYLINDER - boom, dipper arm and bucket, see pages 47 thru 59 for proper cylinders	3
12	F 62235	SNAP RING	2
13	195- 454	WASHER - flat, 1-1/8"	3
14	HO 50658	PIN - dipper arm to boom	1
15	H 514687	DIPPER ARM ASSEMBLY - crowd arm	1
16	HO 56192	BUSHING - dipper mounting	2
17	HO 56184	BUSHING - bucket mounting	2
18	HO 50690	PIN - cylinder retaining	2
19	HO 53793	SPACER - boom and dipper cylinder	2
20	NSS	SPACER - transport link	1
21	113- 219	HHCS - 3/8" - 16 NC x 2", plated	3
22	H 313981	PIN - keeper	2
23	192- 21	WASHER - lock, 3/8", plated	3
24	129- 103	NUT - hex, 3/8" - 16 NC, plated	3
	H 905380	KIT - transport link	1
25	H 56952	LINK - transport	2
26	HO 60616	CLIP - retaining	2
27	A 30338	PIN - lock	2
28	HO 50690	PIN - cylinder retaining	2
29	H 313981	PIN - keeper	2
30	113- 208	HHCS - 3/8" - 16 NC x 1-1/4", plated	2
31	192- 21	WASHER - lock, 3/8", plated	2
32	H 257048	PIN - cylinder to bucket	1
33	132- 152	PIN - cotter, 1/4" x 1-3/4"	1
34	HO 50682	PIN - bucket hinge	1
35	132- 20	PIN - cotter, 3/8" x 2"	1
36	REF	BUCKET - see page 35 for options	1
37	219- 8	GREASE FITTING - straight, 1/4" - 28 NF taper	1
38	321- 3196	DECAL - D100	2

Printed in U.S.A.

Issued May, 1979



741380

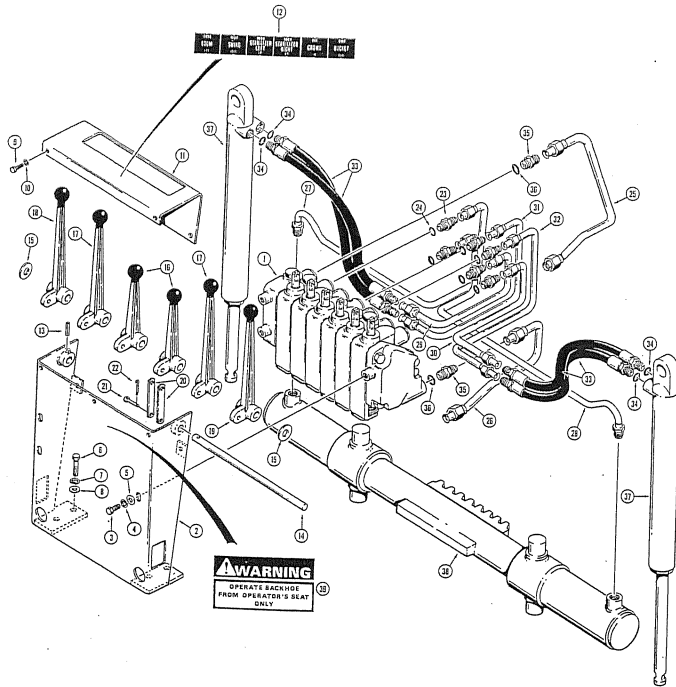
BACKHOE BUCKETS STANDARD BUCKETS

REF.	PART NO.	DESCRIPTION	REQ'D
1	H 905158	BUCKET ASSEMBLY - 12" (305 mm) machinery item	1
2	HO 50823	BUSHING - cylinder pin	2
3	HO 56184	BUSHING - bucket hinge	2
4	HO 36657	SHANK - tooth	4
5	T 41166	POINT - tooth	4
1	H 905166	BUCKET ASSEMBLY - 16" (406 mm) machinery item	1
2	HO 50823	BUSHING - cylinder pin	2
3	HO 56184	BUSHING - bucket hinge	2
4	HO 36657	SHANK - tooth	4
5	T 41166	POINT - tooth	4
1	H 905174	BUCKET ASSEMBLY - 20" (508 mm) machinery item	1
2	HO 50823	BUSHING - cylinder pin	2
3	HO 56184	BUSHING - bucket hinge	2
4	HO 36657	SHANK - tooth	4
5	T 41166	POINT - tooth	4
1	H 905182	BUCKET ASSEMBLY - 24" (610 mm) machinery item	1
2	HO 50823	BUSHING - cylinder pin	2
3	HO 56184	BUSHING - bucket hinge	2
4	HO 36657	SHANK - tooth	5
5	T 41166	POINT - tooth	5
1	H 905190	BUCKET ASSEMBLY - 36" (914 mm) machinery item	1
2	HO 50823	BUSHING - cylinder pin	2
3	HO 56184	BUSHING - bucket hinge	2
4	HO 36657	SHANK - tooth	7
5	T 41166	POINT - tooth	7

BELLHOLE BUCKETS

6	H 905109	BUCKET ASSEMBLY - 12" (305 mm) machinery item	1
7	HO 50823	BUSHING - cylinder pin	2
8	HO 56184	BUSHING - cylinder hinge	2
9	HO 61283	SHANK - tooth	4
10	T 41166	POINT - tooth	4
11	HO 61424	BLADE - cutting	1
6	H 905117	BUCKET ASSEMBLY - 18" (457 mm) machinery item	1
7	HO 50823	BUSHING - cylinder pin	2
8	HO 56184	BUSHING - cylinder hinge	2
9	HO 61283	SHANK - tooth	4
10	T 41166	POINT - tooth	4
11	HO 61432	BLADE - cutting	2
6	H 905125	BUCKET ASSEMBLY - 22" (559 mm) machinery item	1
7	HO 50823	BUSHING - cylinder pin	2
8	HO 56184	BUSHING - cylinder hinge	2
9	HO 61283	SHANK - tooth	5
10	T 41166	POINT - tooth	5
11	HO 61440	BLADE - cutting	1
6	H 905133	BUCKET ASSEMBLY - 36" (914 mm) machinery item	1
7	HO 50823	BUSHING - cylinder pin	2
8	HO 56184	BUSHING - cylinder hinge	2
9	HO 61283	SHANK - tooth	7
10	T 41166	POINT - tooth	7
11	HO 61459	BLADE - cutting	1

**BACKHOE HYDRAULIC LINES
SWING CIRCUIT, STABILIZER CIRCUIT AND CONTROLS
USED BEFORE BACKHOE sn P1520301**

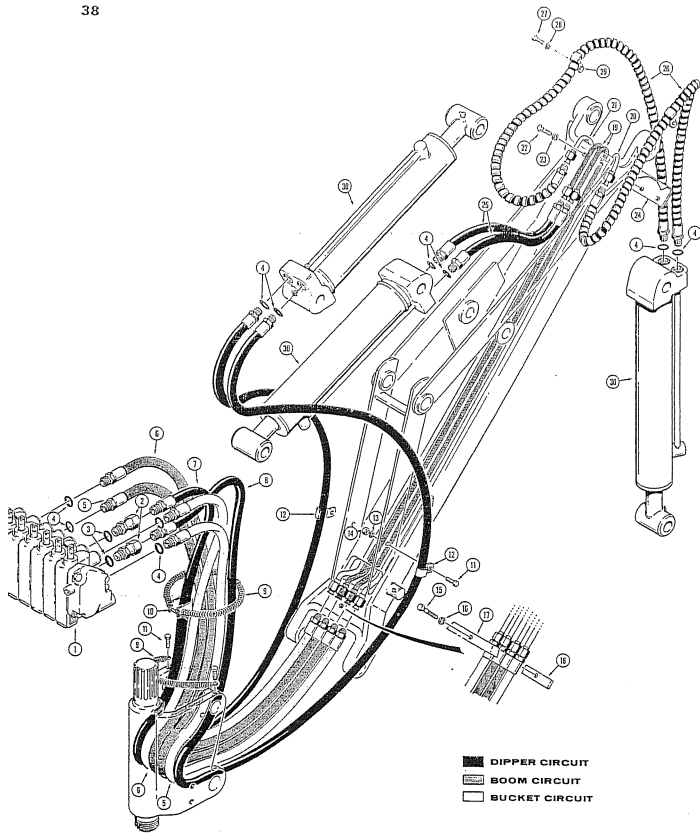


741381 A

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - control, see pages 61 thru 67	1
2	H 514588	PLATE - valve mounting	1
3	113- 335	HHCS - 7/16" - 14 NC x 3/4", plated	3
4	192- 22	WASHER - lock, 7/16", plated	3
5	195- 529	WASHER - flat, 7/16", plated	3
6	113- 208	HHCS - 3/8" - 16 NC x 1-1/4", plated	4
7	192- 21	WASHER - lock, 3/8", plated	4
8	195- 525	WASHER - flat, 3/8", plated	4
9	187- 1069	SCREW - self tapping, 5/16" - 18 NC x 3/4", plated	4
10	192- 20	WASHER - lock, 5/16", plated	4
11	HO 50880	COVER - valve linkage	1
12	H 102749	DECAL - control levers	1
13	138- 2002	PIN - spiral, 3/16" - 1-1/4"	1
14	HO 50914	SHAFT - valve lever	1
15	HO 50716	SPACER - lever shaft	2
16	HO 50922	LEVER - boom and dipper stick	2
17	HO 50930	LEVER - stabilizer	2
18	HO 83436	LEVER - outer, LH, swing	1
19	HO 83444	LEVER - outer, RH, swing	1
20	HO 50559	LINK - valve lever	12
21	HO 35279	PIN - clevis	12
22	132- 5	PIN - cotter, 1/16" x 1/2"	12
23	218- 5403	FITTING - straight, male	6
24	281- 5006	O-RING	1
25	H 514430	tube - pressure	1
26	H 514448	tube - return	1
27	H 514760	TUBE - upper port of valve to swing cylinder, LH	1
28	H 514778	TUBE - lower port of valve to swing cylinder, RH	1
29	H 514786	TUBE - lower port of valve to stabilizer cylinder, LH	1
30	H 514794	TUBE - lower port of valve to stabilizer cylinder, RH	1
31	H 514455	TUBE - upper port of valve to stabilizer cylinder, LH	1
32	H 514463	TUBE - upper port of valve to stabilizer cylinder, RH	1
33	HO 51474	HOSE - hydraulic, stabilizer cylinders, 9" (229 mm) long	4
34	218- 5006	O-RING	4
35	218- 5406	FITTING - straight, male	2
36	218- 5007	O-RING	1
37	H 514117	CYLINDER - stabilizer, parts list page 45	2
38	H 514125	CYLINDER - swing, parts list page 45	1
39	321- 3054	DECAL - warning	2

BACKHOE HYDRAULIC LINES BOOM, DIPPER ARM AND BUCKET CIRCUITS

USED BEFORE BACKHOE sn P1520301



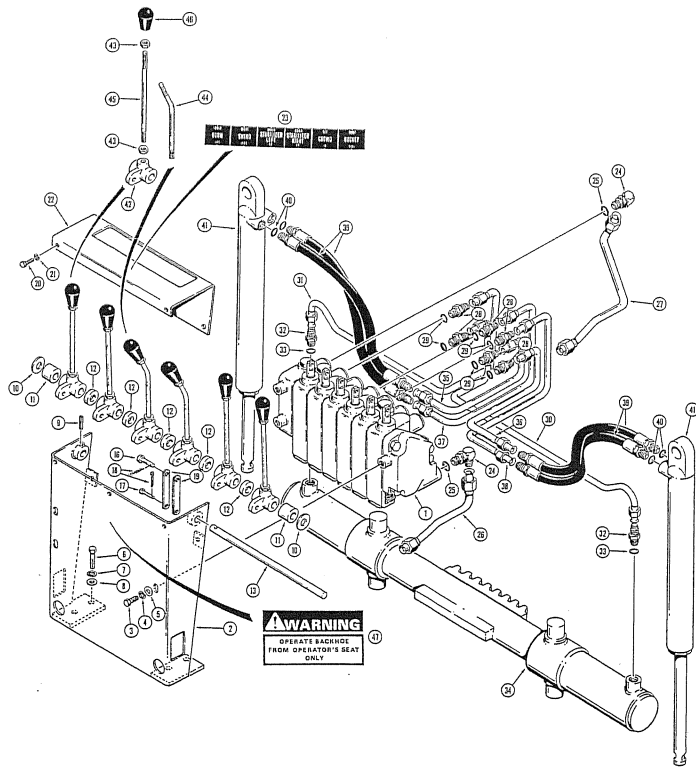
■ DIPPER CIRCUIT
 ▨ BOOM CIRCUIT
 □ BUCKET CIRCUIT

741302

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE - control, see pages 61 thru 67	1
2	218- 5252	FITTING - straight	2
3	218- 5006	O-RING	1
4	218- 5006	O-RING	10
5	HO 51458	HOSE - lower valve port, 35" (889 mm) long	2
6	HO 51466	HOSE - upper valve port, 38" (965 mm) long	2
7	HO 51433	HOSE - upper valve port to dipper cylinder, 58" (1473 mm) long	2
8	HO 51441	HOSE - lower valve port to dipper cylinder, 56" (1422 mm) long	1
9	H 52548	SPRING - hose retaining	2
10	HO 52571	CLAMP - spring retainer	1
11	113- 3	HHCS - 1/4" - 20 NC x 3/4", plated	4
12	HO 51763	CLAMP - hose	2
13	192- 19	WASHER - lock, 1/4", plated	2
14	129- 101	NUT - hex, 1/4" - 20 NC, plated	2
15	113- 121	HHCS - 5/16" - 18 NC x 2", plated	1
16	192- 20	WASHER - lock, 5/16", plated	1
17	HO 52589	CLAMP - tube	1
18	HO 51748	CLAMP - tube	1
19	H 513697	TUBE - at boom cylinder	2
20	H 513689	TUBE - bucket cylinder, RH	1
21	H 513671	TUBE - bucket cylinder, LH	1
22	113- 121	HHCS - 5/16" - 18 NC x 2", plated	2
23	129- 101	WASHER - lock, 5/16", plated	2
24	HO 51755	CLAMP - tube	1
25	HO 52399	HOSE - at boom cylinder, 15" (381 mm) long	2
26	HO 51482	HOSE - at bucket cylinder, 24" (610 mm) long	2
27	113- 4	HHCS - 1/4" - 20 NC x 1", plated	2
28	192- 19	WASHER - lock, 1/4", plated	2
29	H 276758	CLAMP - hose	2
30	REF.	CYLINDER - boom, dipper and bucket, see pages 47 thru 57 for proper cylinders	3

Printed in U.S.A.

Issued May, 1979



312363 C

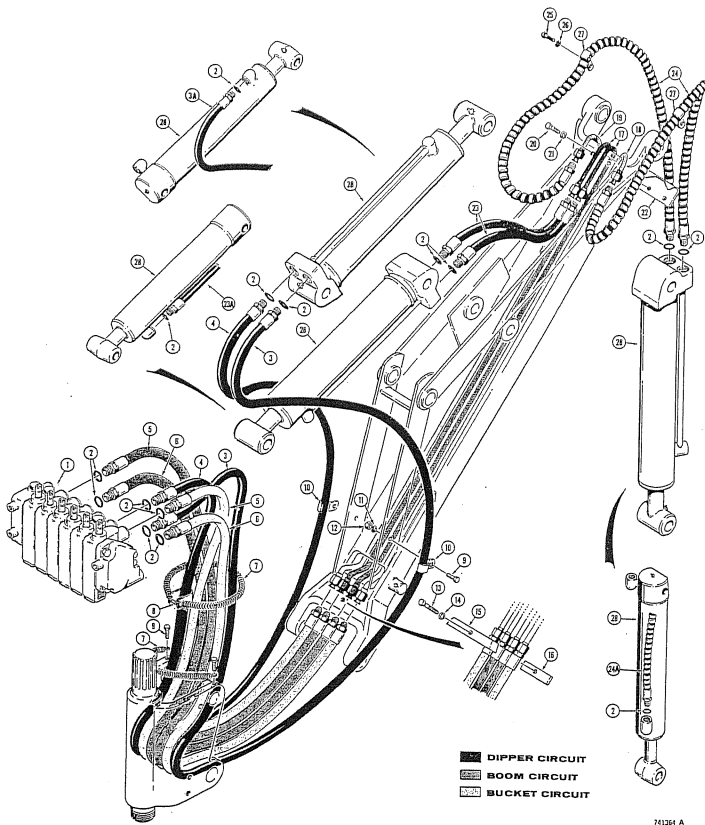
**BACKHOE HYDRAULIC LINES
SWING CIRCUIT, STABILIZER CIRCUIT AND CONTROLS
USED BACKHOE sn P1520301 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - control, see pages 61 thru 63	1
2	H 514588	PLATE - valve mounting	1
3	113- 335	HHCS - 7/16" - 14 NC x 3/4", plated	1
4	192- 22	WASHER - lock, 7/16", plated	3
5	195- 529	WASHER - flat, 7/16", plated	3
6	113- 208	HHCS - 3/8" - 16 NC x 1-1/4", plated	4
7	192- 21	WASHER - lock, 3/8", plated	4
8	95- 525	WASHER - flat, 3/8", plated	4
9	138- 98	PIN - roll, 3/16" x 1-1/4"	1
10	REF.	WASHER - flat	2
11	HO 50716	SPACER - lever	2
12	H 191908	SPACER - lever	2
13	HO 50914	SHAFT - lever	5
14		RESERVED	1
15		RESERVED	
16	H 169318	PIN - clevis, 1/4" x 51/64"	6
17	HO 35279	PIN - clevis, 3/16" x 57/64"	6
18	132- 5	PIN - cotter, 1/16" x 1/2"	12
19	H 219006	LINKS - lever	12
20	187- 1069	SCREW - self-tapping, 5/16" - 18 NC x 3/4", plated	4
21	192- 20	WASHER - lock, 5/16"	4
22	HO 50880	COVER - valve linkage	4
23	H 102749	DECAL - backhoe control	1
24	218- 5107	FITTING - 90°, adjustable	2
25	218- 5007	O-RING	1
26	H 593475	TUBE - return	1
27	H 593467	TUBE - pressure	1
28	218- 5059	FITTING - straight, male	6
29	218- 5006	O-RING	1
30	H 593418	TUBE - lower valve port to swing cylinder, RH	1
31	H 593400	TUBE - upper valve port to swing cylinder, LH	1
32	218- 465	FITTING - straight, male	2
33	218- 5006	O-RING	1
34	H 514125	CYLINDER - swing, parts list page 45	1
35	H 593442	TUBE - lower valve port to stabilizer cylinder, LH	1
36	H 593459	TUBE - lower valve port to stabilizer cylinder, RH	1
37	H 593426	TUBE - upper valve port to stabilizer cylinder, LH	1
38	H 593434	TUBE - upper valve port to stabilizer cylinder, RH	1
39	H 268532	HOSE - hydraulic, stabilizer cylinder, 10" (254 mm)	4
40	218- 5005	O-RING	4
41	H 514117	CYLINDER - stabilizer, parts list page 45	2
42	H 275255	BELLCRANK - lever	6
43	129- 143	NUT - hex lock, 3/8" - 16 NC	12
44	H 191924	LEVER - stabilizer control	2
45	H 191916	LEVER - boom, dipper, bucket and swing control	4
46	A 14051	KNOB - lever	6
47	321- 3054	DECAL - warning	2

Printed in U.S.A.

Issued May, 1979

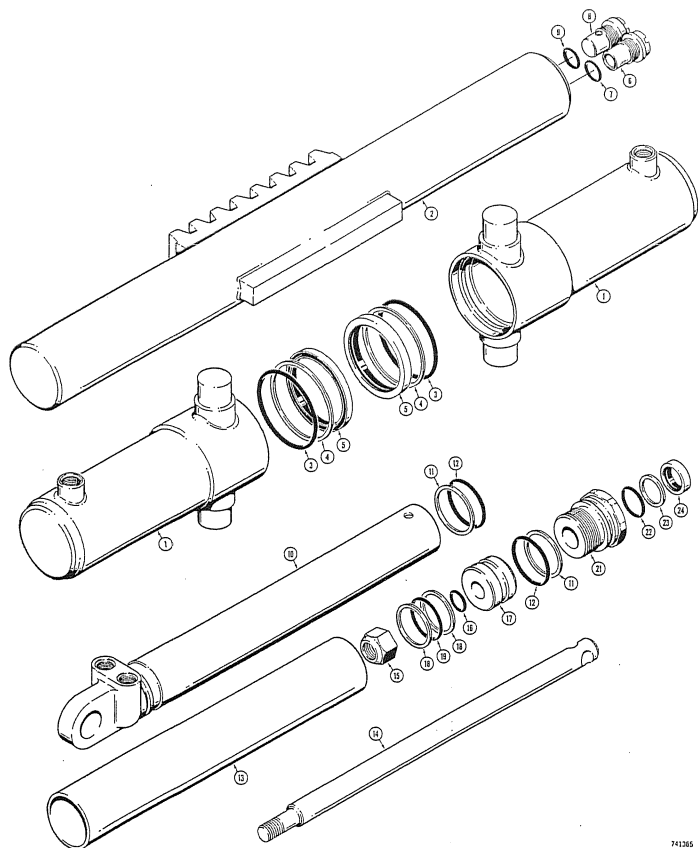
**BACKHOE HYDRAULIC LINES
BOOM, DIPPER ARM AND BUCKET CIRCUITS
USED BACKHOE SN P1520301 AND AFTER**



REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - control, see pages 61 thru 67	1
2	218- 5006	O-RING	1
3	H 268516	HOSE - lower valve port to dipper cylinder, 56" (1422 mm) long, if used	12
3A	H 357855	HOSE - lower valve port to dipper cylinder, 75" (1905 mm) long, if used	1
4	H 268524	HOSE - upper valve port to dipper cylinder, 58" (1473 mm) long	1
5	H 268557	HOSE - upper valve ports, 38" (965 mm) long	1
6	H 268540	HOSE - lower valve ports 35" (889 mm) long	2
7	HO 52548	SPRING - hose retaining	1
8	HO 52571	CLAMP - spring retainer	1
9	113- 3	HHCS - 1/4" - 20 NC x 3/4", plated	2
10	HO 51763	CLAMP - hose	4
11	192- 19	WASHER - lock, 1/4", plated	2
12	129- 101	NUT - hex, 1/4" - 20 NC, plated	2
13	113- 121	HHCS - 5/16" - 18 NC x 2", plated	2
14	192- 20	WASHER - lock, 5/16", plated	1
15	HO 52589	CLAMP - tube	1
16	HO 51748	CLAMP - tube	1
17	H 593392	TUBE - at boom cylinder	1
18	H 593384	TUBE - to bucket cylinder, RH	2
19	H 593376	TUBE - to bucket cylinder, LH	1
20	113- 121	HHCS - 5/16" - 18 NC x 2", plated	1
21	129- 101	WASHER - lock, 5/16", plated	2
22	HO 51755	CLAMP - tube	2
23	H 244921	HOSE - at boom cylinder, 15" (381 mm) long	1
23A	H 268540	HOSE - at boom cylinder, 35" (889 mm) long, if used	1-2
24	H 268565	HOSE - at bucket cylinder, 42" (1067 mm) long	1
24A	H 357863	HOSE - at bucket cylinder, 61" (1549 mm) long, if used	1-2
25	113- 4	HHCS - 1/4" - 20 NC x 1", plated	1
26	192- 19	WASHER - lock, 1/4", plated	2
27	H 276758	CLAMP - hose	2
28	REF.	CYLINDER - boom, dipper and buckets, see pages 47 thru 59 for proper cylinders	3

Printed in U.S.A.

Issued May, 1979



741265

H514125 SWING CYLINDER

REF.	PART NO.	DESCRIPTION	REQ'D
H	514125	CYLINDER - swing, 8" (203 mm) stroke	1
1	HO 53009	BARREL ASSEMBLY - tube	1
2	HO 53017	ROD - piston	2
3	*H 743591	O-RING	2
4	*H 745596	WASHER - backup	2
5	*H 215202	SEAL - dust	2
6	HO 53025	VALVE ASSEMBLY - relief	1
7	*A 27365	O-RING	1
8	HO 53033	VALVE ASSEMBLY - relief	1
9	*A 27365	O-RING	1

*HO 53041 KIT - seal, all items preceded by an asterisk are part of HO53041 kit1

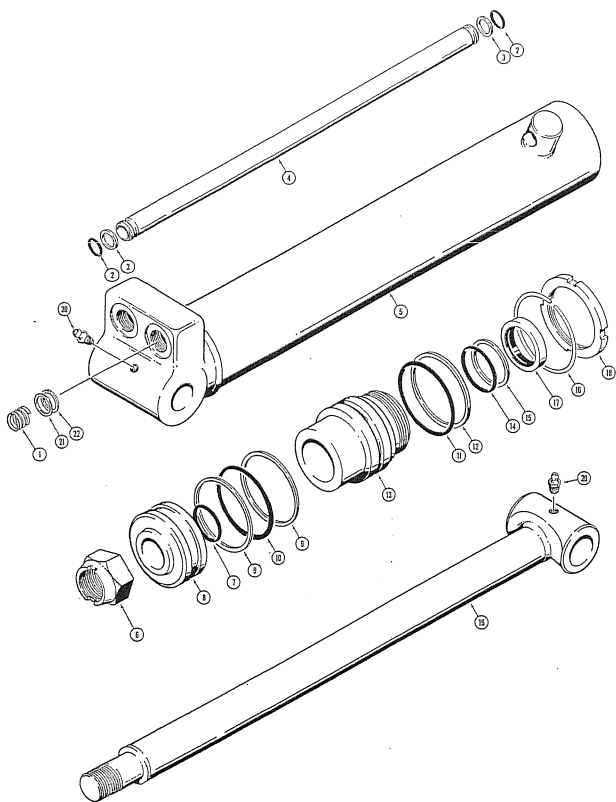
H514117 STABILIZER CYLINDER
CESSNA #41011-FA (ON CLOSED END OF CYLINDER)

H	514117	CYLINDER - stabilizer, 12" (305 mm) stroke	2
10	HO 52654	HEAD AND TUBE - cylinder	1
11	*N	WASHER - backup	2
12	*A 7156	O-RING	2
13	HO 52662	TUBE - outer	1
14	HO 52688	ROD - piston	1
15	131- 1121	NUT - hex self lock, 5/8" - 18 NF	1
16	*F 62114	SEAL - O-ring	1
17	HO 52670	PISTON - cylinder	1
18	H 754614	WASHER - backup, leather, use H754614 for service	2
19	*H 754614	WASHER - backup, rubber	2
20	*D 38755	O-RING	1
21	HO 52696	GLAND - cylinder	1
22	*A 7623	O-RING	1
23	*N	WASHER - backup	1
24	*H 746297	SEAL - oil, rod wiper	1

*HO 52704 KIT - seal, all items preceded by an asterisk are part of HO52704 kit1

H514109 BOOM, DIPPER ARM AND BUCKET CYLINDER CESSNA #41093-BA (ON ROD END OF CYLINDER TUBE)

REF.	PART NO.	DESCRIPTION	REQ'D
H	514109	CYLINDER - boom, dipper arm and bucket, 3" (76 mm) ID x 15" (381 mm) stroke	1
1	HO 52712	SPRING	3
2	*A 29197	O-RING	1
3	H 754622	WASHER - backup	2
4	HO 52720	TUBE - hydraulic	1
5	HO 52738	TUBE - cylinder, barrel	1
6	131- 1141	NUT - hex self lock, 1-1/8" - 12 NTF, plated	1
7	*A 27355	O-RING - small	1
8	HO 52746	PISTON	1
9	H 745588	WASHER - backup, leather, use H754614 for service	1
9	*H 754614	WASHER - backup, rubber	2
10	*D 38755	O-RING - large	1
11	*A 30097	O-RING - gland, large	1
12	L 14340	WASHER - backup, gland	1
13	HO 52753	GLAND - cylinder	1
14	*A 30916	O-RING - gland, small	1
15	*	NSS	1
15	*	WASHER - backup, gland	1
16	*HO 52761	RING - lock gland	1
17	HO 52779	SEAL - dust, rod wiper, use A41785 seal for service	1
17	*A 41785	SEAL - dust, rod wiper	1
18	H 745794	NUT - gland, ring style	1
19	HO 52787	ROD - piston	1
20	219- 13	FITTING - grease, straight, 3/16" driven	1
21	H 215269	WASHER - .030" (0.76 mm) thick	2
22	H 215277	WASHER - .058" (1.47 mm) thick	1
*HO 52795 KIT - seal, all items preceded by an asterisk are part of HO 52995 kit			

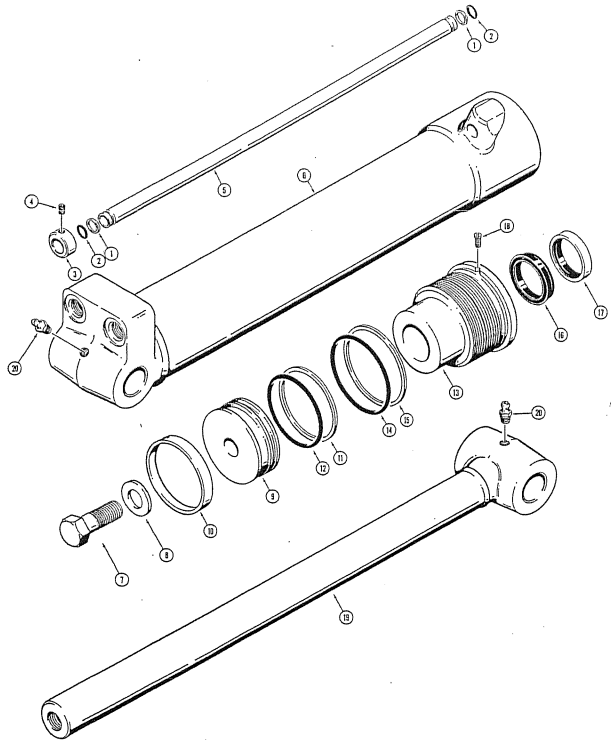


241265

Printed in U.S.A.

Issued May, 1979

G34186 BOOM, DIPPER ARM AND BUCKET CYLINDER HAS THREADED GLAND

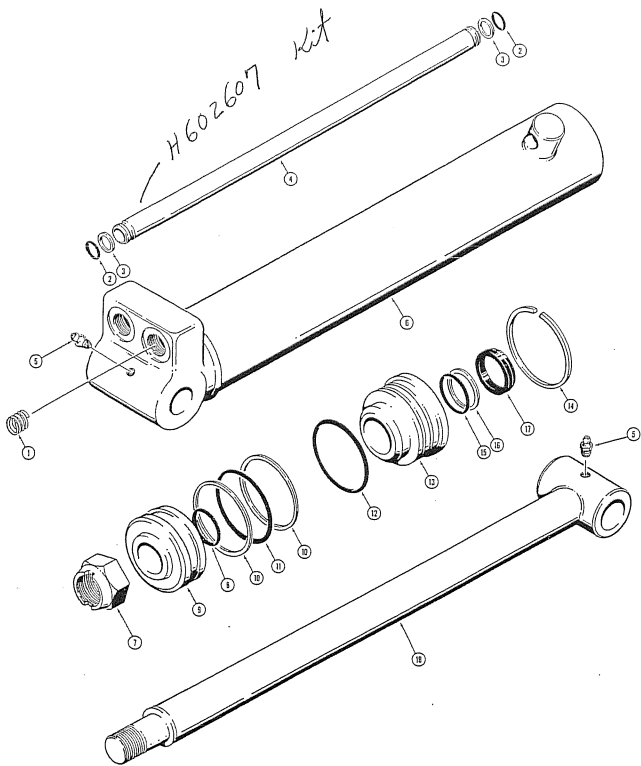


741368

REF.	PART NO.	DESCRIPTION	REQ'D
G	34186	CYLINDER - boom, dipper arm and bucket, 3" (76 mm) ID x 15" (381 mm) stroke	3
1	D 54861	RING - backup	2
2	A 8613	O-RING	2
3	G 34478	COLLAR - clamp	1
4	83- 44	SCREW - set, hex socket, cup point, 1/4" 20 NC x 1/4"	1
5	G 34193	TUBE - hydraulic	1
6	G 34187	TUBE - cylinder	1
7	28- 1232	HHCS - 3/4" - 16 NF x 2"	1
8	G 32317	WASHER - hardened	1
9	G 33747	PISTON - cylinder	1
10	*G 32033	RING - wear	1
11	*G 32034	RING - backup	1
12	*A 28318	O-RING	1
G	34328	GLAND ASSEMBLY - cylinder	1
13	NSS	GLAND AND BEARING - cylinder	1
14	*A 30095	O-RING	1
15	*G 32122	RING - backup	1
16	*D 36969	SEAL - rod	1
17	*D 95142	ROD - wiper	1
18	187- 1031	SCREW - self-tapping, #8 32 NC x 1/4"	1
19	G 34191	ROD - piston, 1-1/2" (38 mm) dia.	1
20	219- 1	GREASE FITTING - straight, 1/8" NPT	2
*G	32269	KIT - seal, all items preceded by an asterisk are part of G32269 kit	1

Printed in U.S.A.

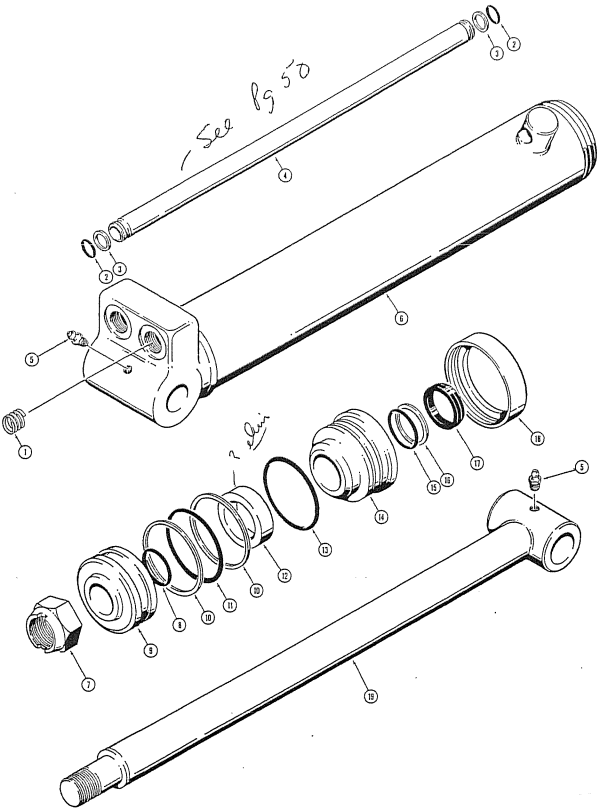
Issued May, 1979



741267

H600841 BOOM, DIPPER ARM AND BUCKET CYLINDERS
LANTEX #2781-TM (GLAND RETAINED BY RING)

REF.	PART NO.	DESCRIPTION	REQ'D
H	600841	CYLINDER - boom, dipper arm and bucket, 15" (381 mm) stroke	3
H	602607	KIT - manifold	1
1	H 286013	SPRING - manifold	1
2	218- 5007	O-RING	2
3	H 745620	RING - backup	2
4	NSS	TUBE - hydraulic, manifold	1
5	219- 1	FITTING - grease, straight, 1/8" NPT	2
6	H 602508	TUBE - cylinder	1
7	131- 370	NUT - hex self lock, 1/4" - 28 NF	1
8	*R 15366	O-RING - piston, small	1
9	H 223073	PISTON	1
10	*H 754614	WASHER - backup	2
11	*D 38755	O-RING - piston, large	1
12	*A 27996	O-RING - gland, large	1
13	H 223081	GLAND	1
14	*H 223263	RING - lock, gland retaining	1
15	*T 13224	O-RING - gland, small	1
16	*H 745687	WASHER - backup	1
17	*H 222935	WIPER - rod	1
18	H 602516	ROD - 1-1/2" (38 mm) dia.	1
*H	587485	KIT - seal, all items preceded by an asterisk are part of H587485 kit	1



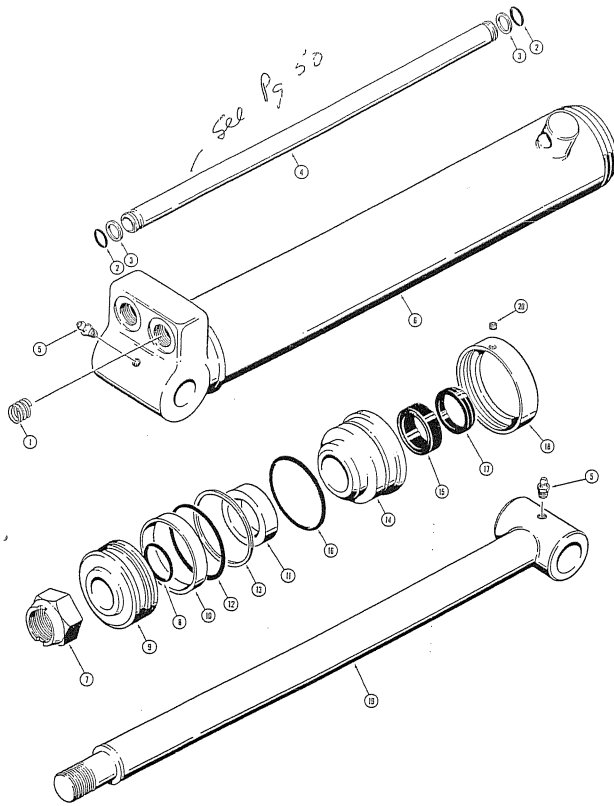
742388

***H607697 BOOM, DIPPER ARM AND BUCKET CYLINDER**
LANTEX **2903-BL (GLAND RETAINED BY THREADED CAP)

REF.	PART NO.	DESCRIPTION	REQ'D
H	607697	CYLINDER - boom, dipper arm and bucket, 3" (76 mm) ID x 15" (381 mm) stroke	3
H	602607	KIT - manifold	1
1	H 286013	SPRING - manifold	1
2	218- 5007	O-RING	2
3	H 745620	RING - backup	2
4	219- 1	TUBE - hydraulic, manifold	1
5	608265	GREASE FITTING - straight, 1/8" NPT	2
6	H 1141	TUBE - cylinder	1
7	131- 1141	NUT - hex self lock, 1-1/8" - 12 NF	1
8	*R 15366	O-RING - piston rod, small	1
9	H 298059	PISTON	1
10	H 754614	WASHER - backup	2
11	*D 38755	O-RING - piston, large	1
12	H 298108	SPACER - piston	1
13	*A 27996	O-RING - gland, large	1
14	H 223081	GLAND	1
15	*T 13224	O-RING - gland, small	1
16	*H 745687	WASHER - backup	1
17	H 222935	WIPER - rod	1
18	H 223032	CAP - gland retaining	1
19	H 608257	ROD - piston, 1-1/2" (38 mm) dia	1
*H	608224	KIT - seal, includes all items preceded by an asterisk	1

****NOTE:** Use H621573 kit for rework of cylinder. This converts H607697 cylinder to H623637 cylinder - see page 55.

H621029 BOOM, DIPPER ARM AND BUCKET CYLINDER LANTEX #RW2903-BL (GLAND RETAINED BY THREADED CAP)

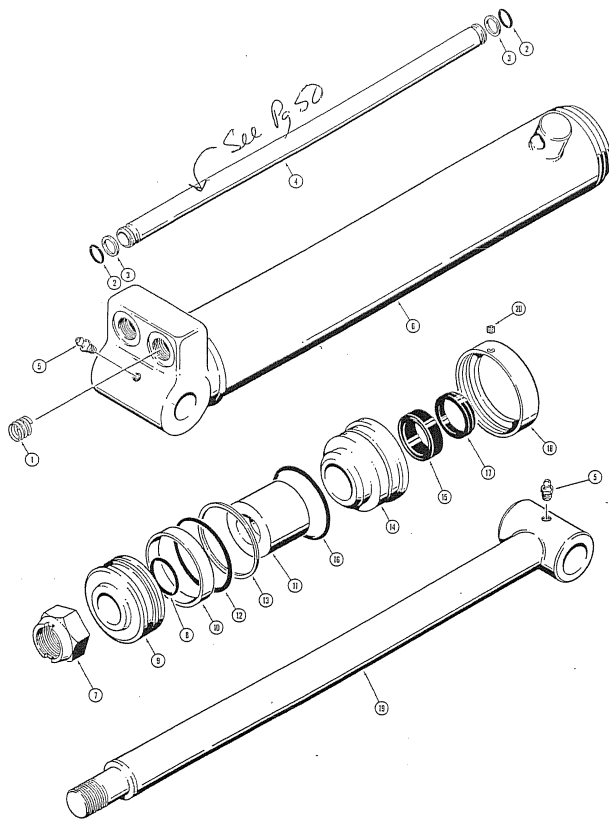


770285

REF.	PART NO.	DESCRIPTION	REQ'D
	H 621029	CYLINDER - boom, dipper arm and bucket 3" (76 mm) ID x 15" (381 mm) stroke	3
	H 602607	KIT - manifold	1
1	H 286013	SPRING - manifold	1
2	218- 5007	O-RING	2
3	H 745620	RING - backup	2
4	NSS	TUBE - hydraulic, manifold	1
5	219- 1	GREASE FITTING - straight, 1/8" NPT	2
6	H 608265	TUBE - cylinder	1
7	131- 1141	NUT - hex self lock, 1-1/8" - 12 NF	1
8	*R 15365	O-RING - piston rod, small	1
9	NSS	PISTON	1
10	* NSS	RING - wear	1
11	H 298018	SPACER - piston	1
12	* NSS	O-RING	1
13	* NSS	SEAL - piston	1
14	H 328781	GLAND	1
15	*H 247809	SEAL - rod	1
16	*A 27996	O-RING - large	1
17	*H 222935	WIPER - rod	1
18	H 330423	CAP - gland retaining	1
19	H 608257	ROD - piston, 1-1/2" (38 mm) dia	1
20	178- 878	SCREW - set, 5/16" - 18 NC x 5/16"	1
	*H 621037	KIT - seal, includes all items preceded by an asterisk	1

Printed in U.S.A.

Issued May, 1979

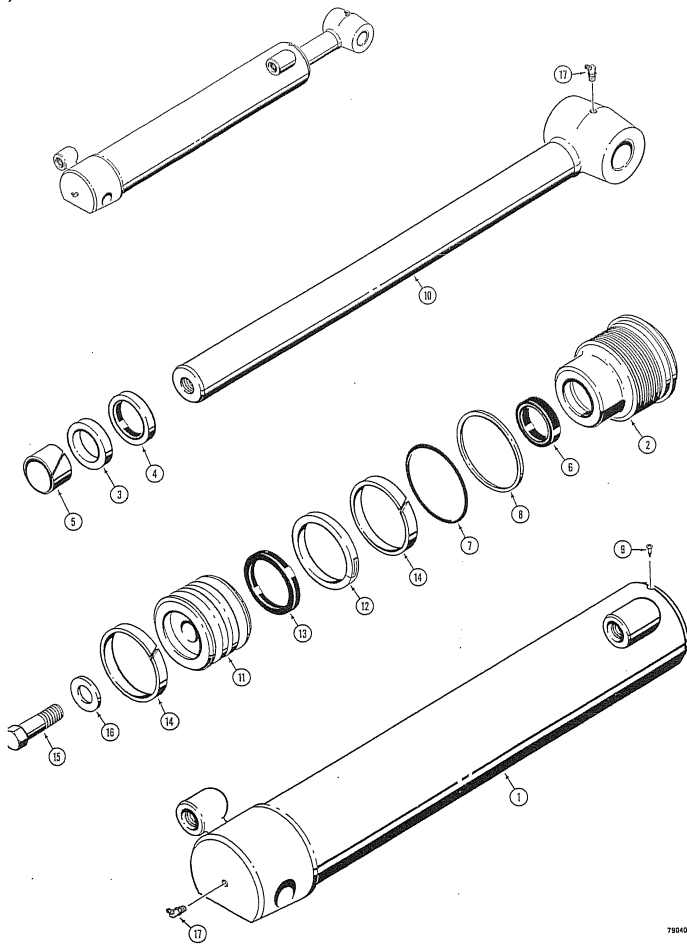


770289

H623637 BOOM, DIPPER ARM AND BUCKET CYLINDER LANTEX #3358-BL (GLAND RETAINED BY THREADED CAP)

REF.	PART NO.	DESCRIPTION	REQ'D
H	623637	CYLINDER - boom, dipper arm and bucket, 3" (76 mm) ID x 15" (381 mm) stroke	3
H	602607	KIT - manifold	1
H	286013	SPRING - manifold	1
A	29197	O-RING	2
H	745620	RING - backup	2
NSS		TUBE - hydraulic, manifold	1
219-	1	GREASE FITTING - straight, 1/8" NPT	2
H	625285	TUBE - cylinder	1
131-	372	NUT - hex self lock, 1-1/4" - 12 NF	1
H	744730	O-RING - piston rod, small	1
H	334557	PISTON	1
NSS		RING - wear	1
H	334565	SPACER - piston	1
A	27996	O-RING - large	1
NSS		SEAL - piston	1
H	328781	GLAND	1
H	247809	SEAL - rod	1
A	27996	O-RING - large	1
H	222935	WIPER - rod	1
H	330423	CAP - gland retaining	1
H	625277	ROD - piston, 1-1/2" (38 mm) dia	1
H	623645	KIT - seal, includes all items preceded by an asterisk	1

G100936 BOOM, DIPPER ARM AND BUCKET CYLINDER
CYLINDER PART NUMBER STAMPED ON GLAND

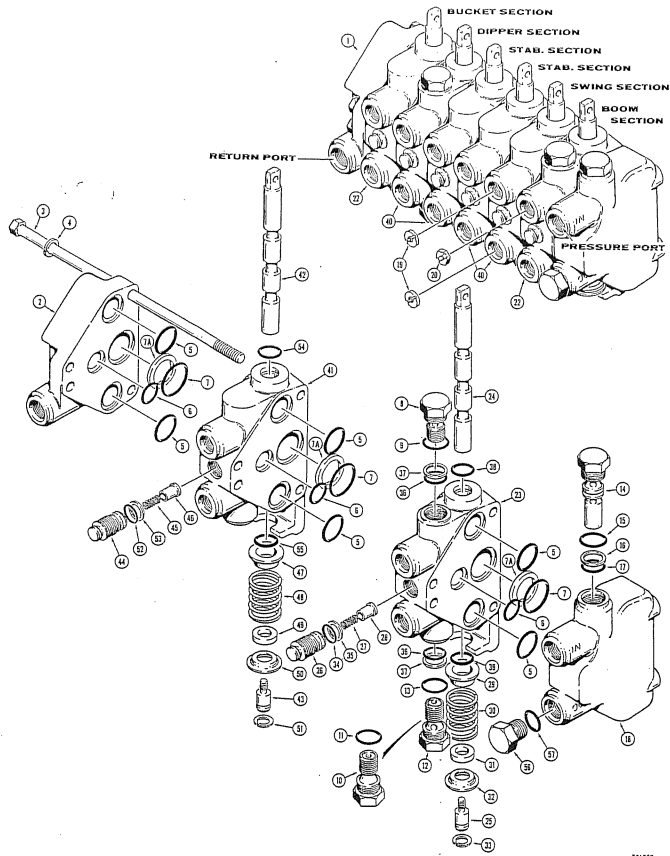


790404

REF.	PART NO.	DESCRIPTION	REQ'D
G	100936	CYLINDER - boom, dipper arm and bucket, 3" (76 mm) ID x 14-5/8" (371 mm) stroke	3
1	G 100937	TUBE - cylinder	1
G	34328	GLAND ASSEMBLY - cylinder	1
2	NSS	GLAND - cylinder	1
3	NSS	RING - retaining	1
4	*D 95142	WIPER - piston rod	1
5	*G 34302	BEARING - center	1
6	*D 36969**	SEAL - piston rod	1
7	*A 30095	O-RING - gland	1
8	*G 32122	RING - backup	1
9	187- 1031	SCREW - self tapping, no. 8 - 32 NC x 1/4"	1
10	G 101357	ROD - piston, 1-1/2" (38 mm) OD	1
11	G 100442	PISTON - cylinder	1
12	*G 102288	SEAL - piston	1
13	*G 100444	RING - backup	1
14	*G 100449	RING - wear	2
15	28- 1232	BOLT - hex, 3/4" - 16 NF x 2", grade 8	1
16	G 32317	WASHER - hardened	1
17	219- 36	GREASE FITTING - 45°, 1/8" NPT	2
*G	102404	KIT - seal, includes all items with an asterisk	1
**G	100776	SEAL - piston rod, service option - serve heat or cold	1

Printed in U.S.A.

Issued May, 1979

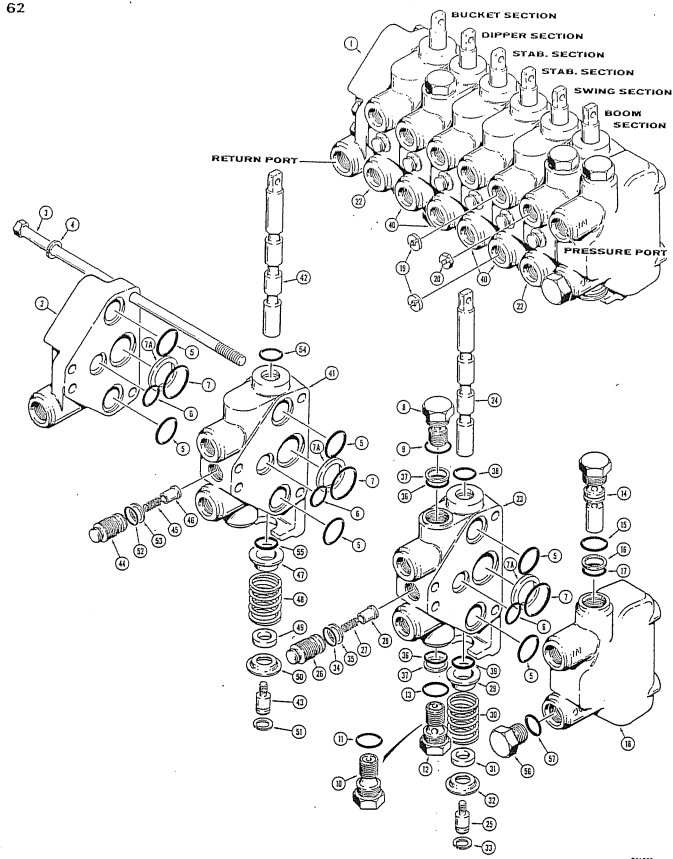


741389

H513788 CONTROL VALVE
ALL UNI-LOADERS AND 380 CK TRACTOR

REF.	PART NO.	DESCRIPTION	REQ'D
1	H 513788	VALVE - control	1
2	HO 52803	OUTLET SECTION - valve	1
3	HO 52811	BOLT - section retaining	1
4	192- 21	WASHER - lock, 3/8"	4
	*HO 52969	KIT - seal, section to section	1
5	H 745752	O-RING - middle size	14
6	F 62114	O-RING - small	7
7A	H 210849	WASHER - backup	7
7	A 32180	O-RING - large	7
	HO 52829	VALVE - relief, dipper and boom section - top	2
8	NSS	BODY - relief valve	1
9	A 27365	O-RING	1
10	HO 52837	PLUG - dipper section	1
11	A 27365	O-RING	1
	H 351791	VALVE - relief, boom section - bottom	1
12	NSS	BODY - relief	1
13	A 27365	O-RING	1
	F 88054	VALVE - relief, inlet and outlet section	1
14	NSS	BODY - relief	1
	H 226415	KIT - seal	1
15	A 27365	O-RING - large	1
16	S 6905	WASHER - backup	1
17	A 7982	O-RING - small	1
18	HO 52852	INLET AND OUTLET SECTION - valve	1
19	HO 60178	ORIFICE - swing section	1
20	HO 52878	ORIFICE - boom section, upper	2
21		RESERVED	1
22	H 513630	BOOM AND DIPPER ARM SECTION - valve	2
23	NSS	BODY - valve section	1
24	NSS	SPOOL - valve section	1
25	NSS	END - spool	1
26	HO 52886	CHECK - lift	1
27	FH 730374	SPRING - check	1
28	FH 730366	PLUNGER - check	1
29	HO 52902	RETAINER - spring, deep	1
30	HO 52928	SPRING - spool return	1
31	HO 47555	SPACER - spring	1
32	F 59116	RETAINER - spring, shallow	1
33	A 27804	RING - retaining	1
	*HO 52985	KIT - seal	1
34	16905	O-RING - check	1
35	H 746883	WASHER - backup, check	1
36	A 27365	O-RING - relief valves and plug	1
37	A 44179	WASHER - backup, relief valves and plug	2
38	F 37887	O-RING - spool, upper	1
39	A 7982	O-RING - spool, lower	1

*HO 52951 KIT - valve seal, all kits preceded by an asterisk are part of HO52951 kit' ...1
Continued on next page



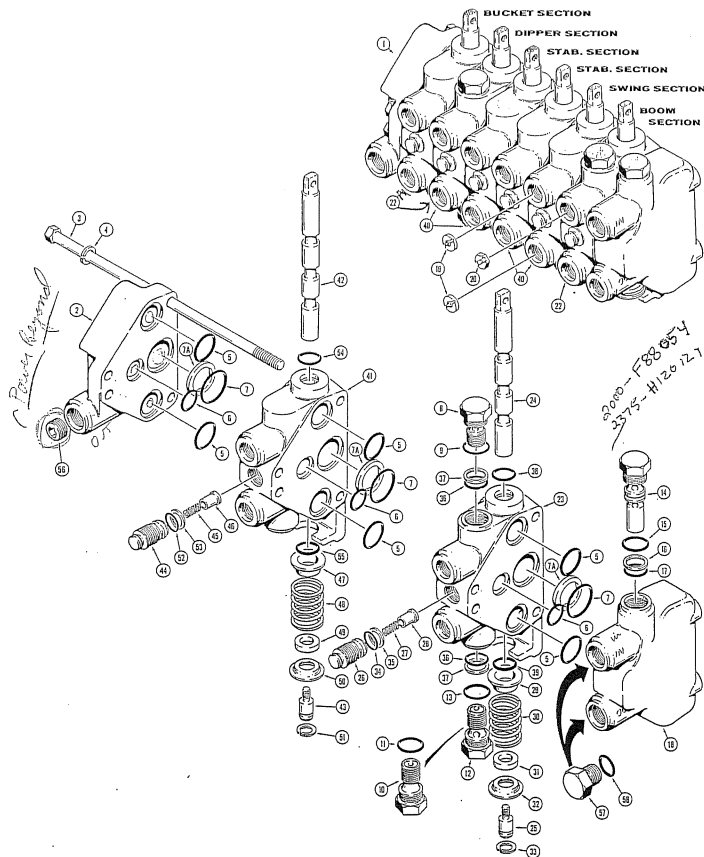
741329

D100 BACKHOE
H513788 CONTROL VALVE
ALL UNI-LOADERS AND 380 CK TRACTOR

63

REF.	PART NO.	DESCRIPTION	REQ'D
40	H 513648	BUCKET, STABILIZER AND SWING SECTION - valve	4
41	NSS	BODY - valve section	1
42	NSS	SPOOL - valve section	1
43	NSS	END - valve spool	1
44	HO 52886	CHECK - lift	1
45	FH 730374	SPRING - check	1
46	FH 730366	PLUNGER - check	1
47	HO 52902	RETAINER - spring, deep	1
48	HO 52928	SPRING - spool return	1
49	H 47555	SPACER - spring	1
50	F 59116	RETAINER - spring, shallow	1
51	A 27804	RING - retaining	1
	*HO 52977	KIT - seal	1
52		O-RING - check	1
53	H 746883	WASHER - backup, check	1
54	F 37887	O-RING - spool, upper	1
55	A 7982	O-RING - spool, lower	1
56	218- 5157	PLUG - hex head	1
57	218- 5007	O-RING	1
*HO 52951 KIT - valve seal, all kits preceded by an asterisk are part of HO52951 kit ...1			

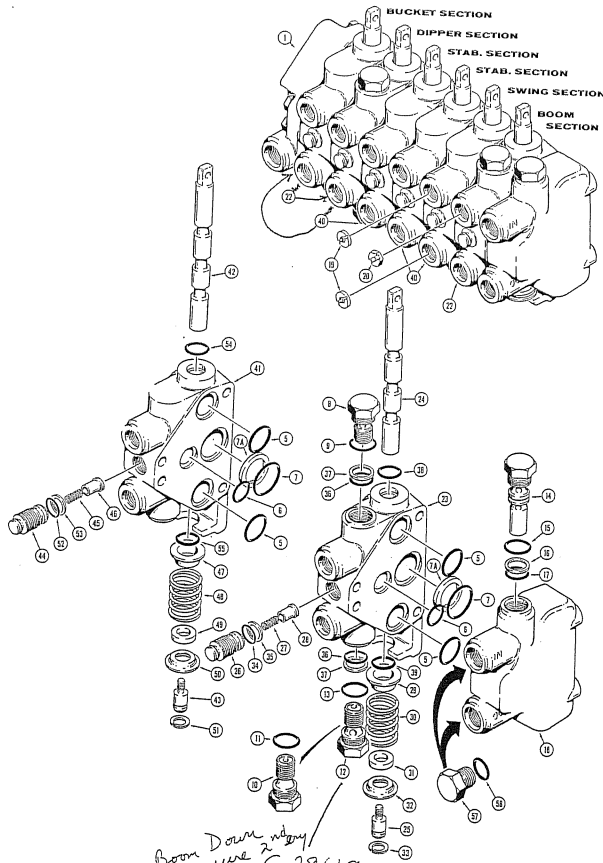
H619767 CONTROL VALVE ALL COMPACT LOADERS



REF.	PART NO.	DESCRIPTION	REQ'D
1	H 619767	VALVE - control	1
2	HO 52803	OUTLET SECTION - valve	1
3	HO 52811	BOLT - section retaining	1
4	192- 21	WASHER - lock, 3/8", plated	4
	*HO 52969	KIT - seal, section to section	1
5	H 745752	O-RING - middle size	14
6	F 62114	O-RING - small	7
7	A 32180	O-RING - large	7
7A	H 210849	WASHER - backup	7
	*H 351791	VALVE - relief, boom section, top	1
	HO 52829	VALVE - relief, dipper section, top	1
8	NSS	BODY - relief valve	1
9	A 27365	O-RING	1
10	HO 52837	PLUG - dipper section	1
	*H 644450	VALVE - relief, boom section, bottom	1
11	A 27365	O-RING - H644450 and H351791 v	1
12	NSS	BODY - relief - H644450 and H351791 v	1
13	A 27365	O-RING - H644450 and H351791 v	1
	H 226415	VALVE - relief, outlet section 644 and 64b	1
	H 629980	VALVE - relief, inlet and outlet section, 64b	1
14	NSS	BODY - relief	1
	H 120089	KIT - seal, H120121 and H629980 valves	1
15	A 27365	O-RING - large	1
16	G 32626	WASHER - backup	1
17	A 7982	O-RING - small	1
18	HO 52852	INLET AND OUTLET SECTION - valve	2
19	HO 60178	ORIFICE - swing section	1
20	HO 52878	ORIFICE - boom section, upper	1
21		RESERVED	
22	H 513630	BOOM AND DIPPER ARM SECTION - valve	2
23	NSS	BODY - valve section	1
24	NSS	SPOOL - valve section	1
25	NSS	END - spool	1
26	HO 52886	CHECK - lift	1
27	FH 730374	SPRING - check	1
28	FH 730366	PLUNGER - check	1
29	HO 52902	RETAINER - spring, deep	1
30	HO 52928	SPRING - spool return	1
31	HO 47555	SPACER - spring	1
32	F 59116	RETAINER - spring, shallow	1
33	A 27804	RING - retaining	1
	*HO 52985	KIT - seal, includes items 34-39	1
34	16905	O-RING - check	1
35	H 746883	WASHER - backup, check	1

*HO 52951 KIT - valve seal, all kits preceded by an asterisk are part of HO52951 kit ... 1
Continued on next page

H619767 CONTROL VALVE ALL COMPACT LOADERS



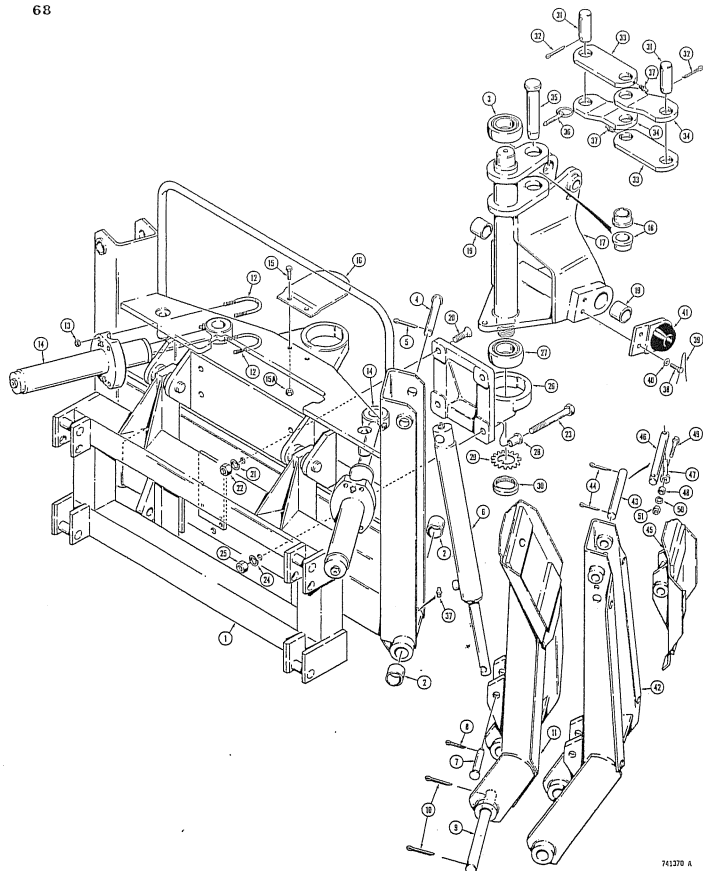
REF.	PART NO.	DESCRIPTION	REQ'D
36	A 27365	O-RING - relief valves and plug	2
37	A 44179	WASHER - backup, relief valve and plug	2
38	F 37887	O-RING - spool, upper	1
39	A 7982	O-RING - spool, lower	1
40	H 513648	BUCKET, STABILIZER AND SWING SECTION - valve	4
41	NSS	BODY - valve section	1
42	NSS	SPOOL - valve section	1
43	NSS	END - valve spool	1
44	HO 52886	CHECK - lift	1
45	FH 730374	SPRING - check	1
46	FH 730366	PLUNGER - check	1
47	HO 52902	RETAINER - spring, deep	1
48	HO 52928	SPRING - spool return	1
49	HO 47555	SPACER - spring	1
50	F 59116	RETAINER - spring, shallow	1
51	A 27804	RING - retaining	1
51	*HO 52977	KIT - seal	1
52	16905	O-RING - check	1
53	H 746883	WASHER - backup, check	1
54	F 37887	O-RING - spool, upper	1
55	A 7982	O-RING - spool, lower	1
56	221- 1642	PLUG - hex socket, if used	1
57	218- 5157	PLUG - hex head	1
58	218- 5007	O-RING	1

*HO 52951 KIT - valve seal, all kits preceded by an asterisk are part of HO52951 kit ...1

Printed in U.S.A.

Issued May, 1979

MAIN FRAME, STABILIZER AND MAST FOR UNI-LOADERS



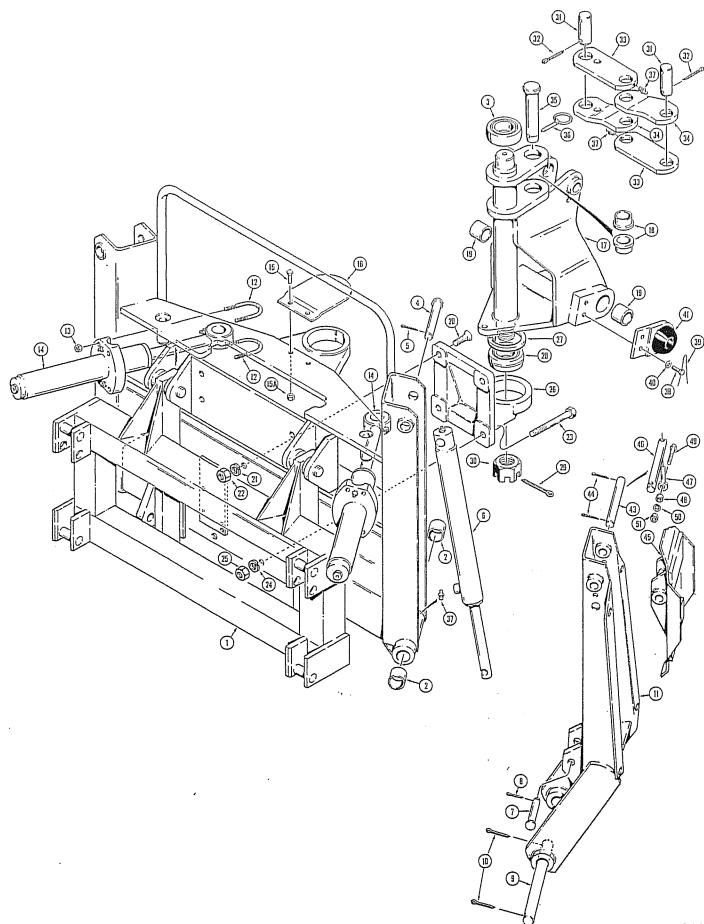
741370 A

REF.	PART NO.	DESCRIPTION	REQ'D
1	REF	FRAME - main, see pages 17 thru 21 for proper frame	1
2	HO 77024	BUSHING - stabilizer	1
3	H 747170	BEARING - upper swing	4
4	HO 79285	PIN - stabilizer cylinder to frame	1
5	132- 349	PIN - cotter, 1/4" x 1-1/2"	2
6	REF	CYLINDER - stabilizer, see page 93 for proper cylinders	2
7	HO 70623	PIN - stabilizer cylinder to stabilizer	2
8	132- 355	PIN - cotter, 3/8" x 2"	2
9	H 109777	PIN - stabilizer mounting	2
10	132- 314	PIN - cotter, 3/8" x 2-1/2"	4
11	H 529503	STABILIZER - welded on stabilizer foot	2
12	H 110270	U-BOLT - 5/16" - 24 NF	4
13	131- 176	NUT - hex self lock, 5/16" - 24 NF	8
14	REF	CYLINDER - swing, see pages 89 and 91 for proper cylinders	2
15	113- 207	HHCS - 3/8" - 16 NC x 1"	2
15A	131- 1181	NUT - hex, self lock, 3/8" - 16 NC	2
16	H 194977	PLATE - cover	1
17	H 529511	MAST - swing tower	1
18	HO 36640	BUSHING - swing cylinder pivot	2
19	HO 35865	BUSHING - boom pivot	2
20	164- 211	BOLT - socket head, flat, 3/4" - 10 NC x 2-1/2"	2
21	192- 27	WASHER - lock, 3/4"	2
22	129- 148	NUT - hex, 3/4" - 10 NC	2
23	113- 728	HHCS - 3/4" - 16 NF x 6-1/2", plated	2
24	92- 12	WASHER - lock, 3/4"	2
25	129- 128	NUT - hex, 3/4" - 16 NF	2
H	528877	MOUNT - lower mast support	1
26	NSS	MOUNT - mast	1
27	H 747170	BEARING - mast	1
28	HO 35766	BUSHING - step	2
29	192- 311	WASHER - lock, external star	1
30	131- 1037	NUT - lock, bearing	1
31	H 109678	PIN - swing cylinder to links	2
32	132- 355	PIN - cotter, 3/8" x 2"	4
33	H 111575	LINK - straight, swing cylinder to mast	2
34	H 111583	LINK - offset, swing cylinder to mast	2
35	HO 76851	PIN - links to mast	2
36	D 33805	PIN - lock	1
37	219- 8	GREASE FITTING - straight, 1/4" - 28 NF taper	1
38	HO 95877	BOLT - drilled head	4
39	391- 620	WIRE - safety	2
40	HO 35980	BUSHING - step, rubber	4
41	H 625731	BUMPER - rubber	2
STABILIZER LEGS WITH DETACHABLE FOOT			
42	H 533638	STABILIZER - leg	2
43	H 218253	PIN - pivot, uses cotter pin	4
44	132- 152	PIN - cotter, 1/4" x 1-3/4"	4
45	H 533646	PLATE - stabilizer leg	2
46	HO 50690	PIN - pivot, uses keeper pin	2
47	H 313981	PIN - keeper	2
48	HO 44875	SPACER - keeper pin	2
49	113- 208	HHCS - 3/8" - 16 NC x 1-1/4"	2
50	192- 21	WASHER - lock, 3/8"	2
51	129- 103	NUT - hex, 3/8" - 16 NC	2

Printed in U.S.A.

Issued May, 1979

MAIN FRAME, STABILIZER AND MAST MODEL 380 CK LOADER AND BACKHOE



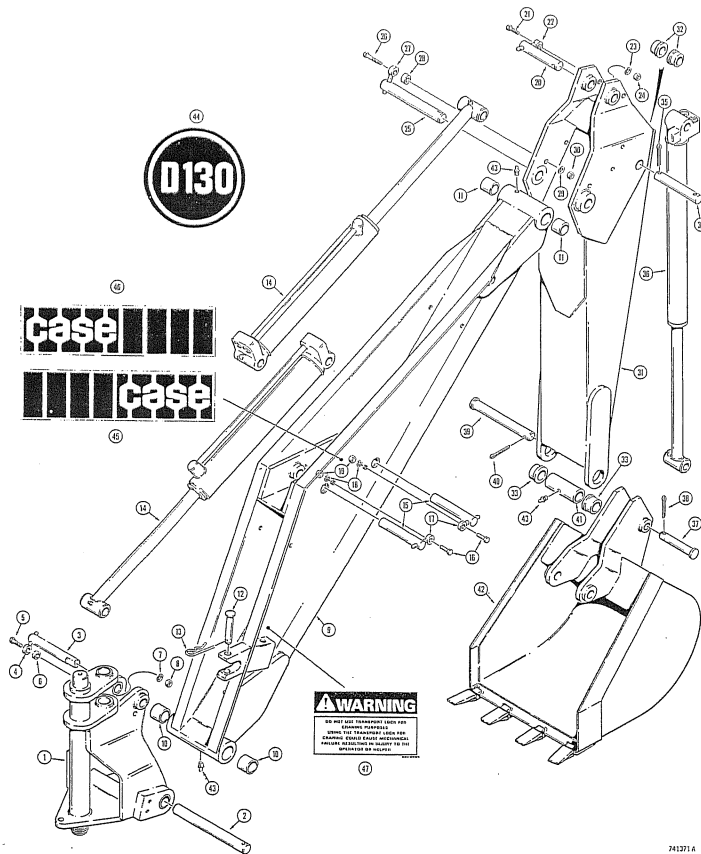
781183

REF.	PART NO.	DESCRIPTION	REQ'D
1	D 81310	FRAME - main	1
2	HO 77024	BUSHING - stabilizer	4
3	H 747170	BEARING - upper swing	4
4	HO 79285	PIN - stabilizer cylinder to frame	1
5	132- 349	PIN - cotter, 1/4" x 1-1/2"	2
6	REF	CYLINDER - stabilizer, see page 93 for proper cylinders	2
7	HO 70623	PIN - stabilizer cylinder to stabilizer	2
8	132- 355	PIN - cotter, 3/8" x 2"	2
9	H 109777	PIN - stabilizer mounting	2
10	132- 314	PIN - cotter, 3/8" x 2-1/2"	4
11	H 585216	STABILIZER	2
12	H 110270	BOLT - U, 5/16" - 24 NF	4
13	131- 176	NUT - hex self lock, 5/16" - 24 NF	8
14	REF	CYLINDER - swing, see pages 89 and 91 for proper cylinders	2
15	113- 207	HHCS - 3/8" - 16 NC x 1"	2
15A	129- 103	NUT - hex, 3/8" - 16 NC	2
16	H 351510	PLATE - cover	2
17	H 529511	MAST - swing tower	1
18	HO 36640	BUSHING - swing cylinder pivot	2
19	HO 35865	BUSHING - boom pivot	2
20	164- 91	BOLT - socket head, flat, 3/4" - 10 NC x 2"	2
21	192- 27	WASHER - lock, 3/4"	2
22	129- 148	NUT - hex, 3/4" - 10 NC	2
23	113- 728	HHCS - 3/4" - 16 NF x 6-1/2", plated	2
24	92- 12	WASHER - lock, 3/4"	2
25	129- 128	NUT - hex, 3/4" - 16 NF	2
	H 630145	MOUNT - lower mast support	1
26	NSS	MOUNT - mast	1
27	L 13903	RING - snap	1
28	H 632992	BUSHING - self-aligning	1
29	132- 319	PIN - cotter, 1/4" x 3"	1
30	25- 2424	NUT - castle, 1-1/2"	2
31	H 240085	PIN - stabilizer cylinder to links	2
32	132- 313	PIN - cotter, 1/4" x 2"	4
33	H 111575	LINK - straight, swing cylinder to mast	2
34	H 111583	LINK - offset, swing cylinder to mast	2
35	HO 76851	PIN - links to mast	2
36	D 33805	PIN - lock	1
37	219- 8	GREASE FITTING - straight, 1/4" - 28 NF taper	4
38	HO 95877	BOLT - drilled head	4
39	391- 620	WIRE - safety	2
40	HO 35980	BUSHING - step, rubber	4
41	H 625731	BUMPER - rubber	2
42		RESERVED	
43	H 218263	PIN - pivot, uses cotter pin	2
44	132- 152	PIN - cotter, 1/4" x 1-3/4"	4
45	H 533646	FOOT - stabilizer leg	2
46	HO 50690	PIN - pivot, uses keeper pin	2
47	H 313981	PIN - keeper	2
48	HO 44875	SPACER - keeper pin	2
49	113- 208	HHCS - 3/8" - 16 NC x 1-1/4"	2
50	192- 21	WASHER - lock, 3/8"	2
51	129- 103	NUT - hex, 3/8" - 16 NC	2

Printed in U.S.A.

Issued May, 1979

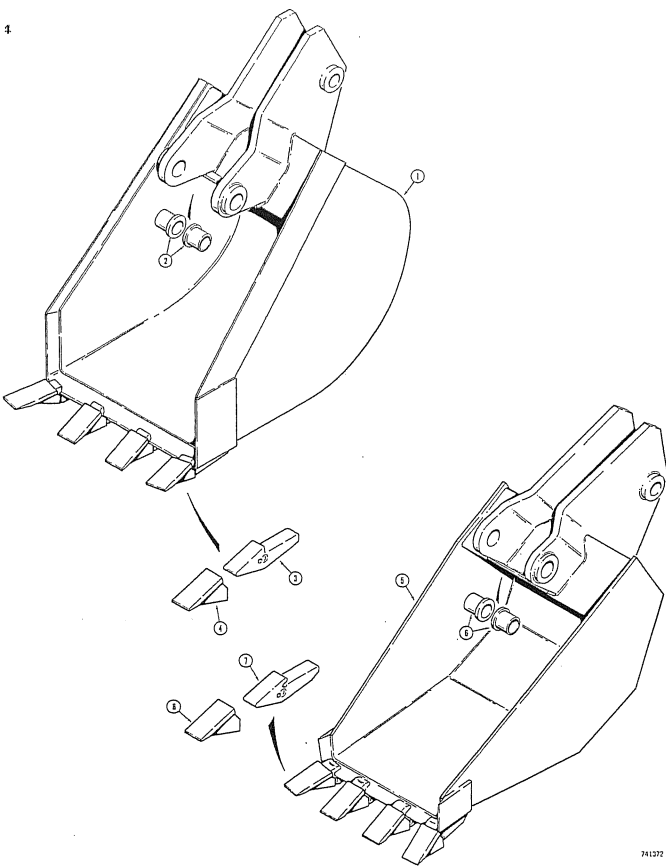
BOOM, DIPPER ARM AND BUCKET



REF.	PART NO.	DESCRIPTION	REQ'D
1	REF	MAST - swing tower, parts list pages 67 and 69	1
2	H 109652	PIN - boom mounting	1
3	H 109793	PIN - boom cylinder to mast	1
4	H 313981	PIN - keeper	1
5	113- 209	HHCS - 3/8" - 16 NC x 1-1/2"	1
6	HO 53793	SPACER - keeper pin	1
7	192- 21	WASHER - lock, 3/8"	1
8	129- 103	NUT - hex, 3/8" - 16 NC	1
9	H 528547	BOOM - backhoe	1
10	H 122309	BUSHING - boom pivot	2
11	H 122309	BUSHING - dipper arm pivot	2
12	H 120683	PIN - transport lock	1
13	A 70250	PIN - hair	1
14	REF	CYLINDER - boom and dipper arm, see pages 95 thru 105 for proper cylinders	2
15	HO 50690	PIN - boom and dipper arm cylinder mounting	2
16	114- 203	HHCS - 3/8" - 24 NF x 1-1/2"	2
17	H 313981	PIN - keeper	2
18	192- 21	WASHER - lock, 3/8"	2
19	129- 123	NUT - hex, 3/8" - 24 NF	2
20	H 109801	PIN - dipper cylinder mounting	1
21	114- 201	HHCS - 3/8" - 24 NF x 1-1/4"	1
22	H 313981	PIN - keeper	1
23	192- 21	WASHER - lock, 3/8"	1
24	129- 123	NUT - hex, 3/8" - 24 NF	1
25	H 109819	PIN - dipper arm pivot	1
26	114- 216	HHCS - 3/8" - 24 NF x 2"	1
27	H 313981	PIN - keeper	1
28	HO 53793	SPACER - keeper pin	1
29	192- 21	WASHER - lock, 3/8"	1
30	129- 123	NUT - hex, 3/8" - 24 NF	1
31	H 529420	DIPPER ARM	1
32	HO 50823	BUSHING - step, bucket cylinder pivot	2
33	HO 36640	BUSHING - step, bucket pivot	2
34	HO 50690	PIN - bucket cylinder	1
35	132- 314	PIN - cotter, 3/8" x 2-1/2"	2
36	REF	CYLINDER - bucket, parts list page 107	1
37	HO 79285	PIN - bucket cylinder to bucket	1
38	132- 313	PIN - cotter, 1/4" x 2"	1
39	H 109827	PIN - bucket mounting	1
40	132- 314	PIN - cotter, 3/8" x 2-1/2"	1
41	H 110114	SLEEVE - grease	1
42	REF	BUCKET - backhoe, see page 73 for options	1
43	219- 8	GREASE FITTING - straight, 1/4" - 28 NF taper	3
44	321- 3198	DECAL - D130	2
45	321- 3182	DECAL - Case, LH	1
46	321- 3183	DECAL - Case, RH	1
47	321- 3885	DECAL - warning, craning	1

Printed in U.S.A.

Issued May, 1979



D130 BACKHOE BACKHOE BUCKETS

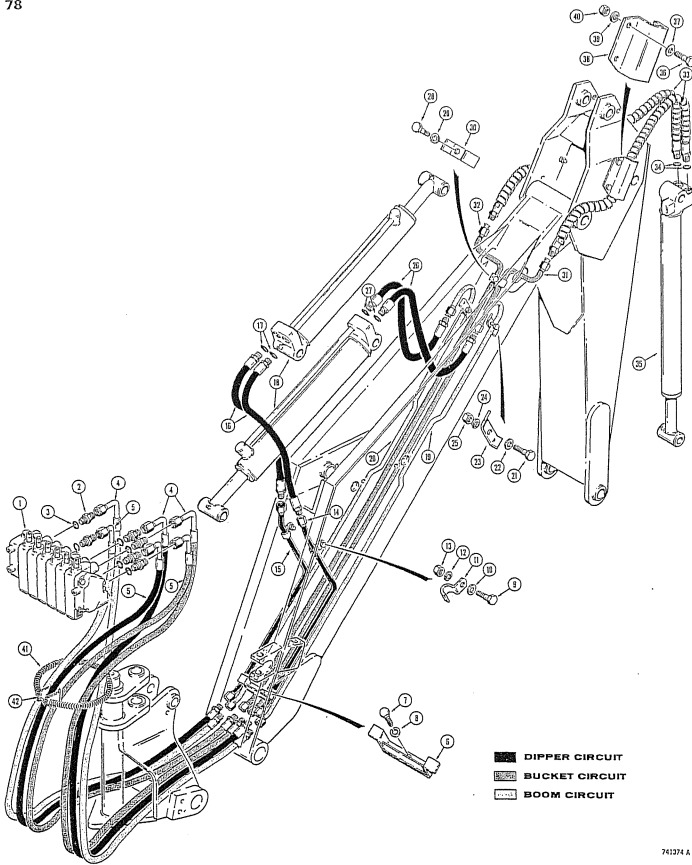
75

REF.	PART NO.	DESCRIPTION	REQ'D
STANDARD BUCKETS			
1	H 909036	BUCKET - 16" (406 mm) machinery item	1
2	HO 36640	BUSHING - step	2
3	HO 59055	SHANK - tooth	2
4	T 41166	POINT - tooth	4
1	H 909044	BUCKET - 20" (508 mm) machinery item	1
2	HO 36640	BUSHING - step	2
3	HO 59055	SHANK - tooth	2
4	T 41166	POINT - tooth	4
1	H 909051	BUCKET - 24" (610 mm) machinery item	1
2	HO 36640	BUSHING - step	2
3	HO 59055	SHANK - tooth	5
4	T 41166	POINT - tooth	5
BELLHOLE BUCKETS			
5	H 909077	BUCKET - 12" (305 mm) machinery item	1
6	HO 36640	BUSHING - step	2
7	HO 61283	SHANK - tooth	2
8	T 41166	POINT - tooth	4
5	H 909085	BUCKET - 18" (457 mm) machinery item	1
6	HO 36640	BUSHING - step	2
7	HO 61283	SHANK - tooth	2
8	T 41166	POINT - tooth	4
5	H 909093	BUCKET - 22" (559 mm) machinery item	1
6	HO 36640	BUSHING - step	2
7	HO 61283	SHANK - tooth	2
8	T 41166	POINT - tooth	5
5	H 909101	BUCKET - 36" (914 mm) machinery item	1
6	HO 36640	BUSHING - step	2
7	HO 61283	SHANK - tooth	7
8	T 41166	POINT - tooth	7

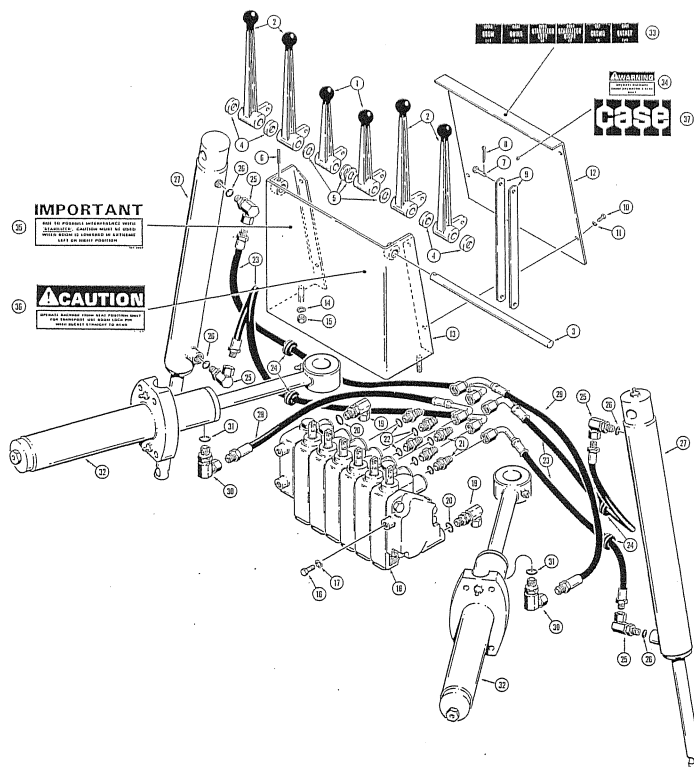
Printed in U.S.A.

Issued May, 1979

**BACKHOE HYDRAULIC LINES
BOOM, DIPPER ARM AND BUCKET CIRCUITS
USED BEFORE BACKHOE sn Q2720171**



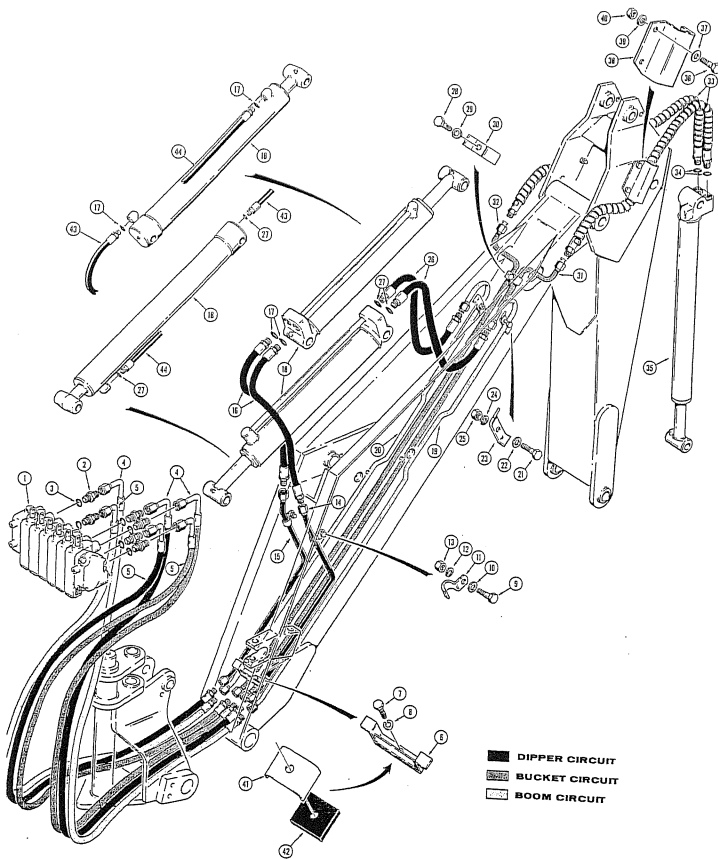
REF.	PART NO.	DESCRIPTION	REQ'D.
1	H 528844	VALVE - control, parts list pages 85 and 87	1
2	218- 5059	FITTING - straight, male	6
3	218- 5006	O-RING	1
4	H 528323	HOSE - at valve, upper ports	3
5	H 528331	HOSE - at valve, lower ports	3
6	H 529412	CLAMP - tube	1
7	113- 104	HHCS - 5/16" - 18 NC x 1-1/4", plated	1
8	192- 20	WASHER - lock, 5/16", plated	1
9	113- 104	HHCS - 5/16" - 18 NC x 1-1/4", plated	2
10	195- 521	WASHER - flat, 5/16", plated	2
11	REF	CLAMP - tubes	2
12	192- 20	WASHER - lock, 5/16", plated	2
13	129- 102	NUT - hex, 5/16" - 18 NC, plated	2
14	H 528711	TUBE - to dipper arm cylinder, RH	1
15	H 528703	TUBE - to dipper arm cylinder, LH	1
16	H 112615	HOSE - at dipper arm cylinder, 9-1/2" (241 mm) long	2
17	218- 5006	O-RING	2
18	REF	CYLINDER - boom and dipper arm, see pages 95 thru 105 for proper cylinders	2
19	H 528695	TUBE - to boom cylinder, RH	1
20	H 528687	TUBE - to boom cylinder, LH	1
21	113- 104	HHCS - 5/16" - 18 NC x 1-1/4", plated	4
22	195- 521	WASHER - flat, 5/16", plated	2
23	HO 45468	CLAMP - tube	2
24	192- 20	WASHER - lock, 5/16", plated	2
25	129- 102	NUT - hex, 5/16" - 18 NC, plated	2
26	HO 80283	HOSE - at boom cylinder, 14" (356 mm) long	2
27	218- 5006	O-RING	2
28	187- 1070	SCREW - self-tapping, 5/16" - 18 NC x 1"	1
29	192- 20	WASHER - lock, 5/16", plated	1
30	HO 59345	CLAMP - tube	1
31	H 528737	TUBE - to bucket cylinder, RH	1
32	H 528729	TUBE - to bucket cylinder, LH	1
33	H 115725	HOSE - at bucket cylinder, 39" (991 mm) long	2
34	218- 5006	O-RING	2
35	REF	CYLINDER - bucket, see page 107	1
36	113- 103	HHCS - 5/16" - 18 NC x 1", plated	4
37	195- 521	WASHER - flat, 5/16", plated	4
38	H 111468	CLAMP - hose	2
39	192- 20	WASHER - lock, 5/16", plated	4
40	129- 102	NUT - hex, 5/16" - 18 NC, plated	4
41	HO 52548	SPRING	1
42	HO 52571	CLAMP	1



741375 B

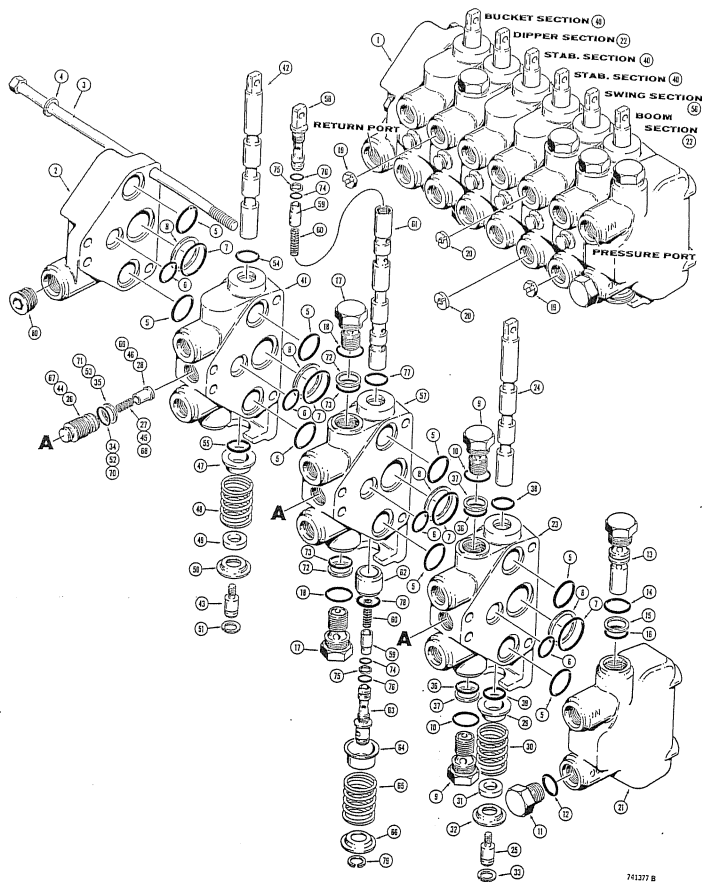
**BACKHOE HYDRAULIC LINES
SWING CIRCUIT, STABILIZER CIRCUIT AND CONTROLS
USED BACKHOE SN Q2720171 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	HO 50930	LEVER - stabilizer control	2
2	HO 50922	LEVER - swing, boom, dipper arm and bucket control	4
3	H 110262	SHAFT - lever pivot	1
4	HO 26468	SPACER - levers	4
5	95- 9	WASHER - flat, 5/8"	4
6	138- 2002	PIN - roll, spiral, 3/16" x 1-1/4"	1
7	HO 35279	PIN - clevis	12
8	132- 5	PIN - cotter, 1/16" x 1/2"	12
9	H 110254	LINK - lever to valve	12
10	187- 1069	SCREW - self-tapping, 5/16" - 18 NC x 3/4"	4
11	192- 20	WASHER - lock, 5/16", plated	4
12	H 110247	PANEL - cover, uni-loaders	1
12	H 334391	PANEL - cover, 380 CK	1
13	H 528893	BRACKET - valve mounting, uni-loaders	1
13	H 625186	BRACKET - valve mount, 380CK	1
14	192- 23	WASHER - lock, 1/2", plated	2
15	129- 125	NUT - hex, 1/2" - 13 NC, plated	2
16	113- 335	HHCS - 7/616" - 14 NC x 3/4", plated	3
17	192- 22	WASHER - lock, 7/16", plated	3
18	H 528844	VALVE - control, parts list pages 85 and 87	1
19	218- 5201	FITTING - adjustable, 90°	2
20	281- 5007	O-RING	1
21	218- 5058	FITTING - straight, male	6
22	218- 5008	O-RING	1
23	H 112607	HOSE - valve to stabilizer cylinder, uni-loaders	4
23	H 356758	HOSE - valve to stabilizer cylinder, 380CK	4
24	H 114272	GROMMET - rubber	4
25	218- 5392	FITTING - adjustable, 90°	4
26	218- 5005	O-RING	1
27	REF	CYLINDER - stabilizer, see page 91 for proper cylinders	2
28	H 112581	HOSE - valve to Cessna swing cylinder, LH, uni-loaders	1
28	H 356741	HOSE - valve to Cessna swing cylinder, LH, 380CK	1
28	H 357921	HOSE - valve to Case swing cylinder, LH, female ends, not shown	1
29	H 112599	HOSE - valve to Cessna swing cylinder, RH, uni-loaders	1
29	H 357913	HOSE - valve to Case swing cylinder, RH, female ends, not shown	1
29	H 356758	HOSE - valve to Cessna swing cylinder, RH, 380CK	1
30	218- 921	FITTING - adjustable, 90°, pipe threads, if used	2
30	218- 5392	FITTING - adjustable, 90°, includes O-ring	2
30A	218- 5128	FITTING - adjustable, 90°, male ends, if used, not shown, includes O-ring	2
31	218- 5005	O-RING - part of 218-5392 or 218-5128 fittings only	1
32	REF	CYLINDER - swing, see pages 89 and 91 for proper cylinders	2
33	H 102749	DECAL - control levers	1
34	321- 3054	DECAL - warning	2
35	321- 3994	DECAL - Important	1
36	321- 4130	DECAL - Caution	1
37	321- 1572	DECAL - Case	1



**BACKHOE HYDRAULIC LINES
BOOM, DIPPER ARM AND BUCKET CIRCUITS
USED BACKHOE sn Q2720171 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	H 528844	VALVE - control, parts list pages 85 and 87	1
2	218- 5059	FITTING - straight, male	6
3	218- 5006	O-RING	1
4	H 270645	HOSE - at valve, upper ports	3
5	H 270637	HOSE - at valve, lower ports	3
6	H 529412	CLAMP - tube, if used	1
7	113- 104	HHCS - 5/16" - 18 NC x 1-1/4", plated	1-3
8	192- 20	WASHER - lock, 5/16", plated	2
9	113- 104	HHCS - 5/16" - 18 NC x 1-1/4", plated	1-3
10	195- 521	WASHER - flat, 5/16", plated	2
11	HO 98897	CLAMP - tubes	2-4
12	192- 102	WASHER - lock, 5/16", plated	2
13	129- 102	NUT - hex, 5/16" - 18 NC, plated	2
14	H 594424	TUBE - to dipper cylinder, RH, Uni-Loader, used with item 16	1
14	H 630319	TUBE - to dipper cylinder, RH, 380CK, used with item 16	1
14	H 630319	TUBE - to dipper cylinder, RH, used with items 43 and 44	1
15	H 594432	TUBE - to dipper cylinder, LH, Uni-Loader, used with item 16	1
15	H 630327	TUBE - to dipper cylinder, LH, 380 CK, used with item 16	1
15	H 630327	TUBE - to dipper cylinder, LH, used with items 43 and 44	1
16	H 270272	HOSE - at dipper cylinder, 10" (254 mm) long, Uni-Loader, if used	2
16	H 356733	HOSE - at dipper cylinder, 9-1/2" (241 mm) long, 380 CK, if used	2
17	218- 5006	O-RING	2
18	REF	CYLINDER - boom and dipper arm, see pages 95 thru 105	2
19	H 594390	TUBE - to boom cylinder, RH	1
20	H 594382	TUBE - to boom cylinder, LH	1
21	113- 104	HHCS - 5/16" - 18 NC x 1-1/4", plated	2-4
22	195- 521	WASHER - flat, 5/16", plated	2-4
23	HO 98897	CLAMP - tube	2-6
24	192- 20	WASHER - lock, 5/16", plated	2-4
25	129- 102	NUT - hex, 5/16" - 18 NC, plated	2-4
26	H 213033	HOSE - at boom cylinder, 14" (356 mm) long, if used	2
27	218- 5006	O-RING	2
28	187- 1070	SCREW - self-tapping, 5/16" - 18 NC x 1"	1
29	192- 20	WASHER - lock, 5/16", plated	1
30	HO 59345	CLAMP - tube	1
31	H 594416	TUBE - to bucket cylinder, RH	1
32	H 594408	TUBE - to bucket cylinder, LH	1
33	H 270280	HOSE - at bucket cylinder, 39" (991 mm) long, Uni-Loader	2
33	H 356725	HOSE - at bucket cylinder, 47" (1194 mm) long, 380 CK	2
34	218- 5006	O-RING	2
35	REF	CYLINDER - bucket, see page 107	1
36	113- 103	HHCS - 5/16" - 18 NC x 1", plated	4
37	195- 521	WASHER - flat, 5/16", plated	4
38	H 111468	CLAMP - hose	4
39	192- 20	WASHER - lock, 5/16"	2
40	129- 102	NUT - hex, 5/16" - 18 NC, plated	4
41	HO 46888	CLAMP	2
42	H 356875	PAD - rubber	2
43	H 357897	HOSE - to cylinders, 15" (381 mm) long, if used	2
44	H 357905	HOSE - to cylinders, 42" (1067 mm) long, if used	2

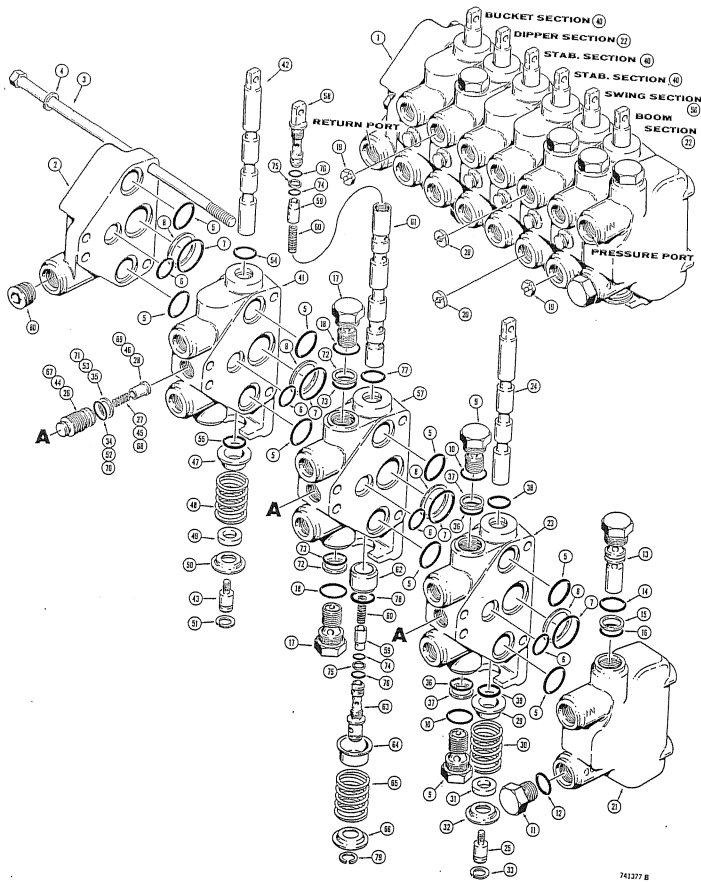


741377 B

D130 BACKHOES H528844 BACKHOE CONTROL VALVE

REF.	PART NO.	DESCRIPTION	REQ'D
1	H 528844	VALVE - control, backhoe	1
2	HO 52803	OUTLET SECTION - valve	1
3	HO 52811	BOLT - section retaining	1
4	192- 21	WASHER - lock, 3/8", plated	4
	*H 120097	KIT - seal, section to section	1
5	H 757492	O-RING - middle size	14
6	D 31410	O-RING - small	7
7	R 30990	O-RING - large	7
8	H 210849	WASHER - backup	7
	H 351791	VALVE - relief, and Dipper and Boom Sections	4
9	NSS	BODY - valve	1
10	A 27365	O-RING	1
11	218- 5156	PLUG - hex head	1
12	218- 5007	O-RING	1
	H 120121	VALVE - relief, inlet and outlet section	1
13	NSS	BODY - valve	1
	*H 226415	KIT - seal	1
14	A 27365	O-RING - large	1
15	G 32626	WASHER - backup	1
16	A 7982	O-RING - small	1
	H 132985	VALVE - relief, swing section	2
17	NSS	BODY - valve	1
18	A 27365	O-RING	1
19	H 746859	ORIFICE - boom and dipper arm sections, .138" (3.45 mm) dia orifice	2
20	HO 60178	ORIFICE - swing section, uni-loaders, .109" (2.77 mm) dia orifice	2
20	H 256842	ORIFICE - swing section, 380CK, .093 (2.36 mm) dia orifice	2
21	HO 52852	INLET AND OUTLET SECTION - valve	1
22	H 513630	BOOM AND DIPPER ARM SECTION - valve	2
23	NSS	BODY - valve section	1
24	NSS	SPOOL - valve section	1
25	NSS	END - spool	1
26	HO 52886	CHECK - lift	1
27	HO 47514	SPRING - check	1
28	FH 730366	PLUNGER - check	1
29	FH 730341	RETAINER - spring	1
30	HO 52928	SPRING - spool return	1
31	H 746164	SPACER - spring	1
32	F 59116	RETAINER - spring	1
33	A 27804	RING - retaining	1
	*HO 52985	KIT - seal	1
34	16905	O-RING - check	1
35	H 746883	WASHER - backup, check	1
36	A 27365	O-RING - relief valve	2
37	H 745661	WASHER - backup, relief valve	2
38	F 37887	O-RING - spool, upper	1
39	A 7982	O-RING - spool, lower	1

*H 120105 KIT - valve seal, contains all kits preceded by an asterisk1
Continued on next page



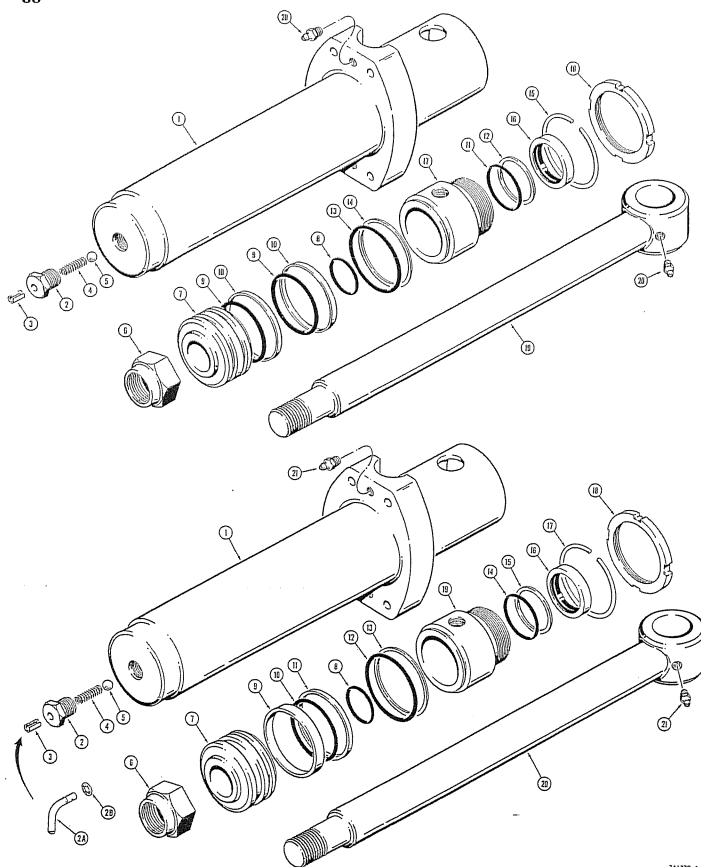
D130 BACKHOE H528844 BACKHOE CONTROL VALVE

87

REF.	PART NO.	DESCRIPTION	REQ'D
40	H 513648	BUCKET AND STABILIZER SECTIONS - valve	3
41	NSS	BODY - valve section	1
42	NSS	SPOOL - valve section	1
43	NSS	END - valve spool	1
44	HO 52886	CHECK - lift	1
45	FH 730374	SPRING - check	1
46	FH 730366	PLUNGER - check	1
47	HO 52902	RETAINER - spring	1
48	H 746164	SPRING - spool return	1
49	HO 47555	SPACER - spring	1
50	F 59116	RETAINER - spring	1
51	A 27804	RING - retaining	1
51	*HO 52977	KIT - seal	1
52		O-RING - check	1
53	H 746883	WASHER - backup, check	1
54	F 37887	O-RING - spool, upper	1
55	A 7982	O-RING - spool, lower	1
56	H 119255	SWING SECTION - valve	1
57	NSS	BODY - valve section	1
58	H 119032	END - spool clevis	1
59	H 119024	PLUNGER - check	1
60	F 36082	SPRING - check	2
61	NSS	SPOOL - valve section	2
62	NSS	BUSHING - valve spool	1
63	H 119040	END - spool	1
64	H 119263	RETAINER - spring	1
65	HO 52928	SPRING - spool return	1
66	F 59117	RETAINER - spring	1
67	HO 52886	CHECK - lift	1
68	HO 47514	SPRING - check	1
69	FH 730366	PLUNGER - check	1
70	H 120071	KIT - seal	1
71	D 26265	O-RING - check	1
72	L 30443	WASHER - backup, check	1
73	A 35698	WASHER - backup, relief	1
74	A 27365	O-RING	2
75	A 27358	O-RING	2
76	H 745646	WASHER - backup	2
77	A 30825	O-RING	2
78	F 37887	O-RING - spool, upper	1
79	A 7982	O-RING - spool, lower	1
80	A 27804	RING - retaining	1
80	221- 842	PLUG - hex socket, 380 CK only	1
*H	120105	KIT - valve seal, contains all kits preceded by an asterisk	1

Printed in U.S.A.

Issued May, 1979



741379 A

D130 BACKHOE

H528885 SWING CYLINDER CESSNA #41093-NC (ON ROD END OF CYLINDER)

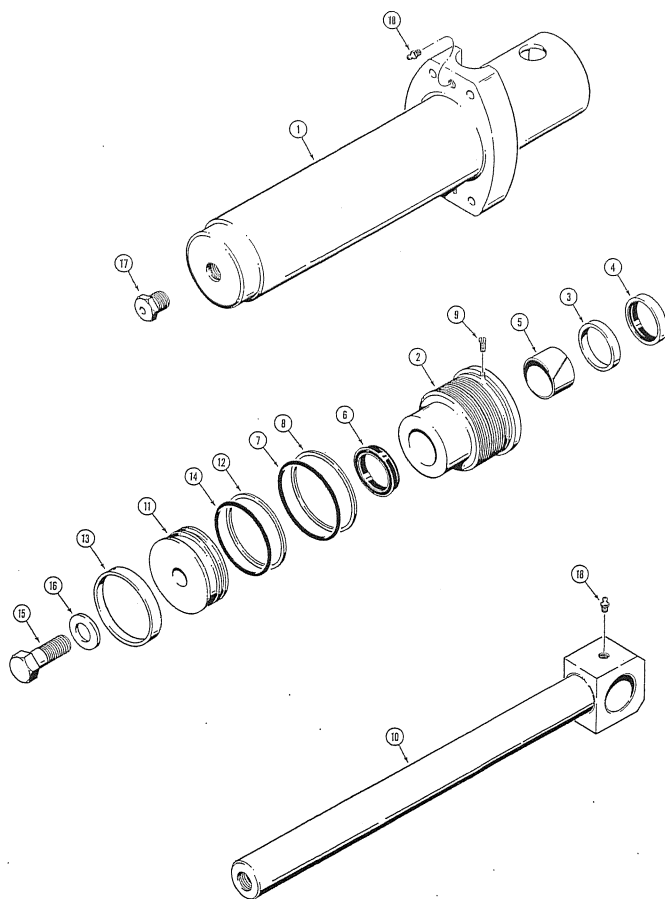
REF.	PART NO.	DESCRIPTION	REQ'D
H	528885	CYLINDER - swing, 12-3/4" (324 mm) stroke x 3" (76 mm) ID, use H583070 cylinder for service - parts list below	2
1	H 120345	TUBE - cylinder, barrel assembly	1
2	H 120337	PLUG - hex head	1
3	138- 127	PIN - roll, 1/4" x 1/2"	1
4	H 120329	SPRING - relief	1
5	211- 104	BALL - relief	1
6	131- 371	NUT - hex self lock, 1-1/8" - 12 NF	1
7	H 120147	PISTON - cylinder	1
8	H 120378	KIT - seal	1
9	A 27355	O-RING - piston, small	1
10	H 744052	O-RING - piston, large	1
11	H 120188	RING - backup, piston	2
12	A 30916	O-RING - gland, small	1
13	H 745695	RING - backup, small	1
14	A 27996	O-RING - gland, large	1
15	H 745760	RING - backup, large	1
16	HO 52761	RING - retaining	1
17	A 41785	WIPER - rod	1
18	H 120360	GLAND - cylinder	1
19	H 745794	NUT - ring style, gland retaining	1
20	H 120352	ROD - piston	1
21	219- 1	GREASE - fitting, straight, 1/8" NPT	3

H583070 SWING CYLINDER CESSNA #41300-NED (ON MOUNTING RING)

1	H 583070	CYLINDER - swing, 12-1/4" (311 mm) stroke x 3" (976 mm) dia	2
2	H 120345	TUBE - cylinder	1
2	H 120337	PLUG - hex head, uses 138 - 127 roll pin	1
2A	H 374157	PLUG - hex head, uses tube and ring	1
2B	H 363903	TUBE	1
3	H 758011	RING	1
3	138- 127	PIN - roll, 1/4" x 1/2"	1
4	H 120329	SPRING - relief	1
5	211- 311	BALL - relief	1
6	131- 1141	NUT - hex self lock, 1-1/8" - 12 NF, plated	1
7	H 252825	PISTON - cylinder	1
8	*H 756049	O-RING - piston, small	1
9	H 252833	RING - wear	1
10	*G 10369	O-RING - piston, large	1
11	*H 120188	RING - backup, piston	1
12	*A 27996	O-RING - gland, large	1
13	*H 745760	RING - backup, large	1
14	*A 30916	O-RING - gland, small	1
15	*T 31052	RING - backup, small	1
16	*A 41785	WIPER - rod	1
17	*HO 52761	RING - retaining, gland	1
18	H 745794	NUT - ring style, gland retaining	1
19	H 120360	GLAND - cylinder	1
20	H 120352	ROD - piston	1
21	219- 1	GREASE FITTING - straight, 1/8" NPT	3
*H	586263	KIT - seal, includes all items preceded by an asterisk	1

Printed in U.S.A.

Issued May, 1979



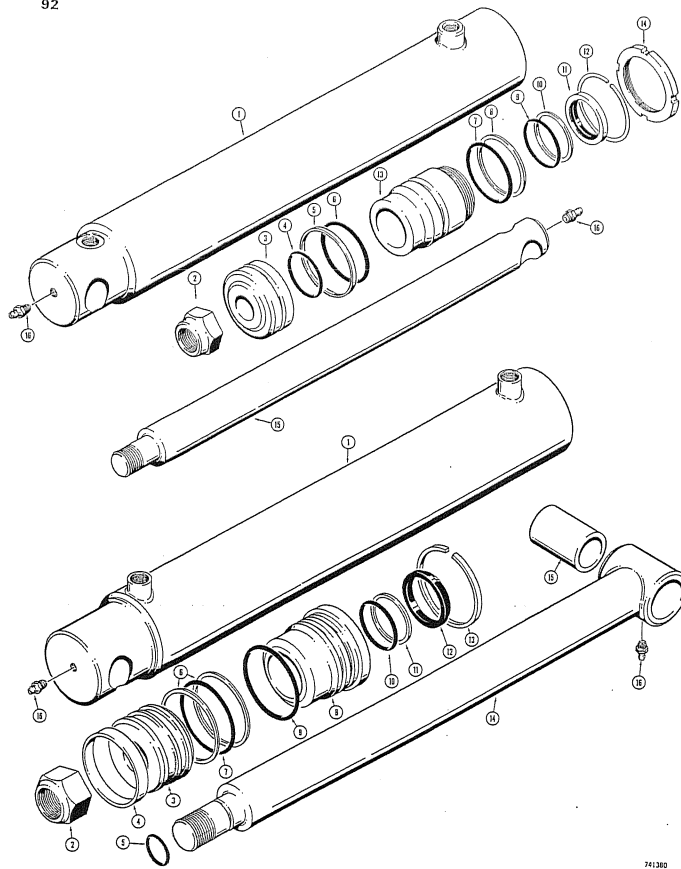
721164

G100905 SWING CYLINDER
CYLINDER PART NUMBER STAMPED ON GLAND

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 100905	CYLINDER - swing, 12-3/4" (324 mm) stroke x 3" (76 mm) ID	2
1	G 100906	TUBE	1
2	G 34328	GLAND ASSEMBLY	1
3	NSS	GLAND	1
4	*D 95142	RING - center bearing	1
5	*G 34302	WIPER - rod	1
6	*D 36969**	BEARING - center	1
7	*A 30095	SEAL - rod	1
8	*G 32122	O-RING	1
9	187- 1031	RING - backup	1
10	G 100912	SCREW - self tapping, #8 - 32 NC x 1/4"	1
11	G 33747	ROD - piston, 1-1/2" (38 mm)	1
12	*G 32034	PISTON	1
13	*G 100449	RING - backup	1
14	*A 28318	RING - wear	1
15	28- 1232	O-RING	1
16	G 32317	HHCS - 3/4" - 16 NF x 2"	1
17	A 43250	WASHER - hardened	1
18	219- 1	VALVE - relief	1
		GREASE FITTING - straight, 1/8" NPT	3
*G	34656	KIT - seal, includes all items with an asterisk	1
**G	100776	SEAL - rod, service option - extreme heat or cold	1

Printed in U.S.A.

Issued May, 1979



741380

D130 BACKHOE

93

H530501 STABILIZER CYLINDER

CESSNA #41094-FB (ON ROD END OF CYLINDER)

REF.	PART NO.	DESCRIPTION	REQ'D
	H 530501	CYLINDER - stabilizer, 15" (381 mm) stroke x 2-1/2" (64 mm) ID	2
1	H 120279	TUBE - cylinder, barrel assembly	1
2	131- 269	NUT - hex self lock, 7/8" - 14 NF	1
3	H 120295	PISTON - cylinder	1
	H 120311	KIT - seal	1
4	T 13224	O-RING - piston, small	1
5	T 31057	RING - backup, piston	1
6	A 23904	O-RING - piston, large	1
7	A 14506	O-RING - gland, large	1
8	H 754994	RING - backup, gland, large	1
9	A 30916	O-RING - gland, small	1
10	H 745695	RING - backup, gland, small	1
11	NSS	WIPER - rod	1
12	H 166314	RING - retaining, gland	1
13	T 31053	GLAND - cylinder	1
14	H 745786	NUT - ring style, gland	1
15	H 120287	ROD - piston	1
16	219- 1	GREASE FITTING - straight, 1/8" NPT	2

H587782 STABILIZER CYLINDER

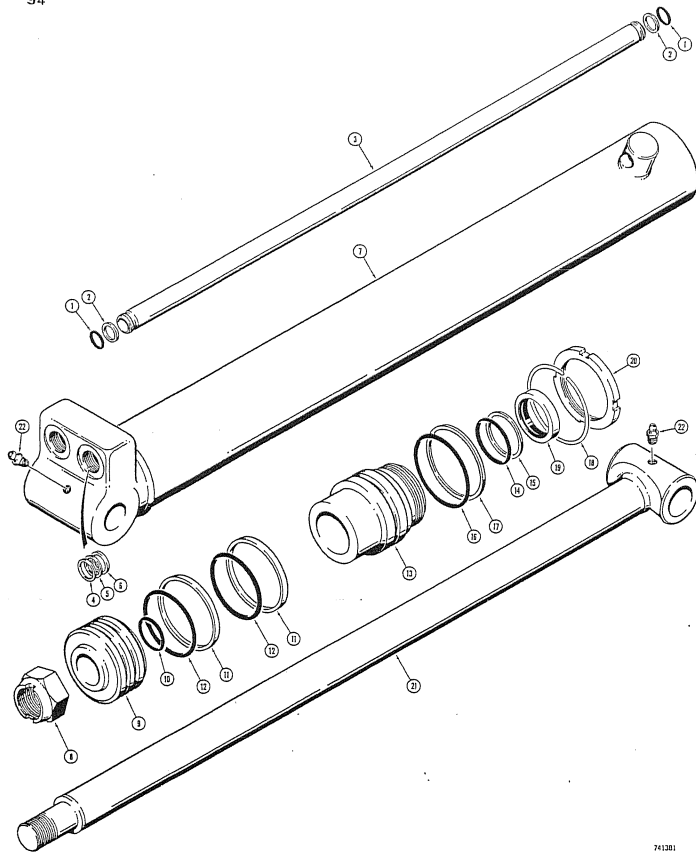
LANTEX #2436-TM (GLAND RETAINED BY RING)

	H 587782	CYLINDER - stabilizer, 17-3/4" (451 mm) stroke x 3" (76 mm) ID tube	2
1	H 596098	TUBE - barrel assembly	1
2	131- 372	NUT - hex self lock, 1-1/4" - 12 NF	1
3	H 274050	PISTON - cylinder	1
4	* NSS	RING - wear	1
5	*H 744730	O-RING - piston, small	1
6	*H 754614	RING - backup, piston	1
7	*H 743583	O-RING - piston, large	2
8	H 274068	GLAND - cylinder	1
9	*A 27996	O-RING - gland, large	1
10	* NSS	O-RING - gland, small	1
11	* NSS	RING - backup, gland	1
12	*H 223123	WIPER - rod	1
13	*H 223263	RING - lock, gland	1
14	H 596080	ROD - piston	1
15	H 274043	BUSHING - rod eye	1
16	219- 8	GREASE FITTING - straight, 1/4"	2
*H 596072 KIT - cylinder repair, all items preceded by an asterisk are part of H596072 kit . 1			

Printed in U.S.A.

Issued May, 1979

H528679 BOOM AND DIPPER ARM CYLINDER CESSNA #41093-NA (ON ROD END OF CYLINDER)



741281

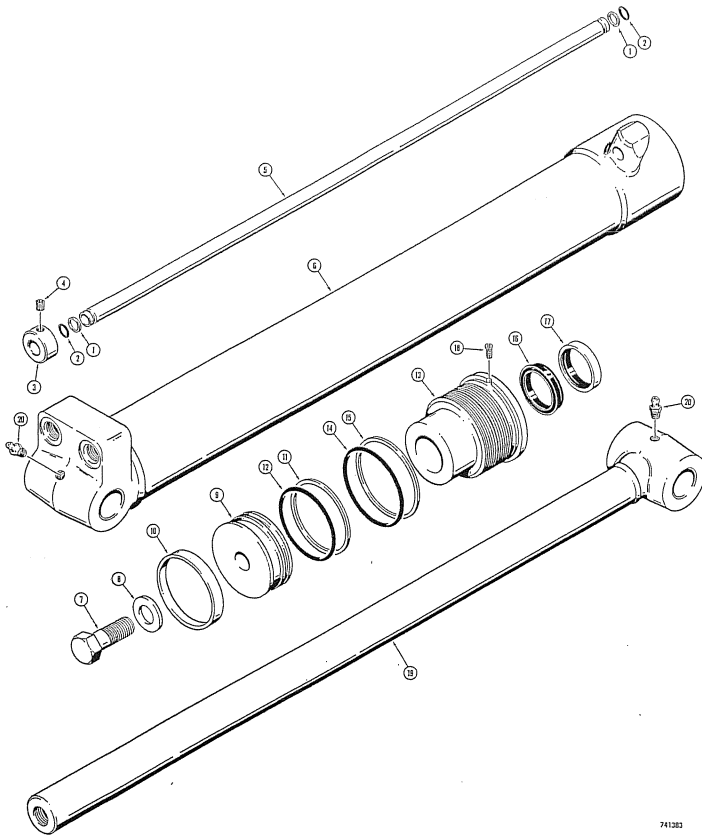
REF.	PART NO.	DESCRIPTION	REQ'D
H	528679	CYLINDER - boom and dipper arm, 24" (610 mm) stroke and 3" (76 mm) OD dia	
1	*A 30097	O-RING	2
2	*H 752212	WASHER - backup	2
3	H 120170	TUBE - hydraulic	1
4	F 8236	WASHER - .005" (0.13 mm) thick	UAR
5	H 162974	WASHER - .015" (0.38 mm) thick	UAR
6	H 746172	WASHER - .030" (0.76 mm) thick	UAR
7	H 120154	TUBE - cylinder, barrel assembly	1
8	131- 371	NUT - hex self lock, 1-1/8" - 12 NF	1
9	H 120147	PISTON - cylinder	1
10	*A 27355	O-RING - piston, small	1
11	*H 120188	RING - backup, piston	2
12	*G 10389	O-RING - piston, large	2
13	HO 52753	GLAND - cylinder	1
14	*A 30916	O-RING - gland, small	1
15	*T 31052	RING - backup, small	1
16	*A 27996	O-RING - gland, large	1
17	*H 745760	RING - backup, large	1
18	*HO 52761	RING - retaining, gland	1
19	*A 41785	WIPER - rod	1
20	H 745794	NUT - ring style, gland retaining	1
21	H 120162	ROD - piston	1
22	219- 1	GREASE FITTING - straight, 1/8" NPT	2
*H	120196	KIT - seal, all items preceded by an asterisk are part of H120196 kit	1

G34174 BOOM AND DIPPER ARM CYLINDER HAS THREADED GLAND

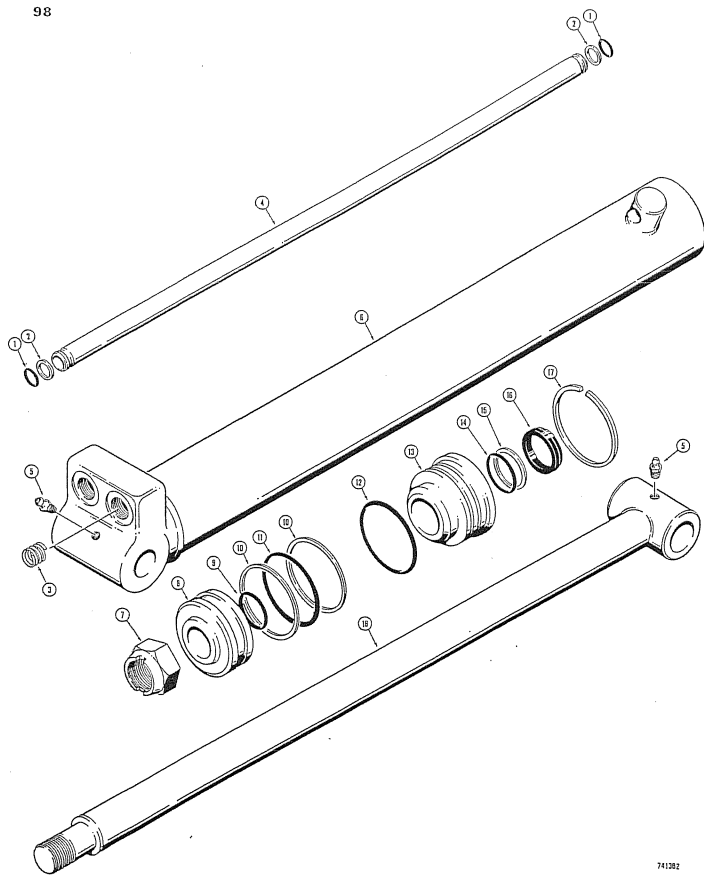
REF.	PART NO.	DESCRIPTION	REQ'D
1	G 34174	CYLINDER - boom and dipper arm, 24" (610 mm) stroke x 3" (76 mm) ID tube	2
2	L 30443	RING - backup	2
3	G 16905	O-RING	2
4	G 34480	CLAMP - tube	1
5	83- 44	SCREW - hex socket, cut point, 1/4" 20 NC x 1/4"	1
6	G 34183	TUBE - hydraulic	1
7	G 34175	TUBE - cylinder	1
8	28- 1232	HHCS - 3/4" - 16 NF X 2"	1
9	G 32317	WASHER - hardened	1
10	G 33747	PISTON - cylinder	1
11	*G 100449	RING - wear	1
12	*G 32034	RING - backup	1
13	*A 28318	O-RING	1
14	G 34328	GLAND ASSEMBLY - cylinder	1
15	NSS	GLAND AND BEARING - cylinder	1
16	*A 30095	O-RING	1
17	*G 32122	RING - backup	1
18	*D 36969	SEAL - rod	1
19	*D 95142	WIPER - rod	1
20	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
21	G 34179	ROD - piston, 1-1/2" (38 mm) dia	1
22	219- 1	GREASE FITTING - straight, 1/8" NPT	2
*G 32269 KIT - seal, all items preceded by an asterisk are part of G32269 kit			

Printed in U.S.A.

Issued May, 1979



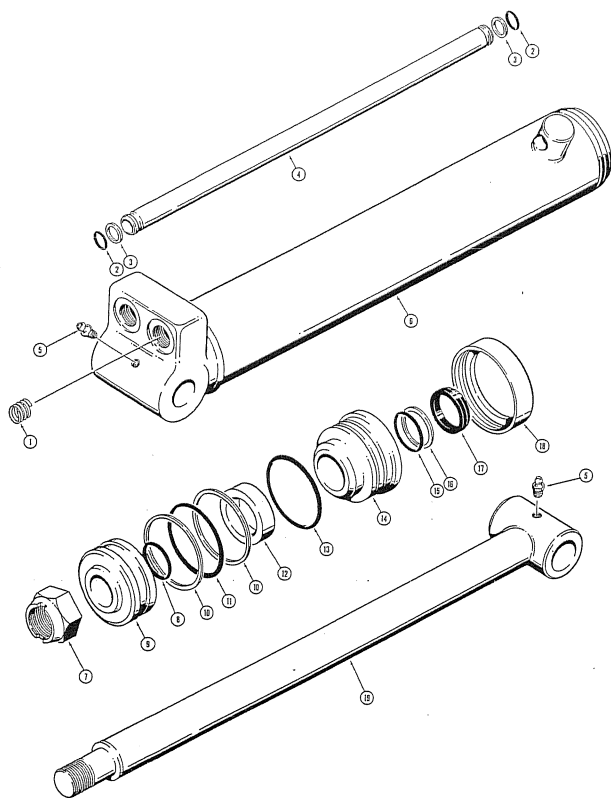
741283



741282

H601880 BOOM AND DIPPER ARM CYLINDER LANTEX #2782-TM (GLAND RETAINED BY RING)

REF.	PART NO.	DESCRIPTION	REQ'D
H	601880	CYLINDER - boom and dipper arm, 24" (610 mm) stroke x 3" (76 mm) dia	.2
H	602599	KIT - manifold	.1
1	F 59121	O-RING - tube	.2
2	H 745620	RING - backup	.2
3	H 286013	SPRING - tube retaining	.1
4	NSS	TUBE - hydraulic	.1
5	219- 1	GREASE FITTING - straight, 1/8" NPT	.2
6	H 602532	TUBE - cylinder barrel assembly	.1
7	131- 370	NUT - hex self lock, 1/4" - 28 NF	.1
8	H 223073	PISTON - cylinder	.1
9	*R 15366	O-RING - piston, small	.1
10	*H 754614	RING - backup, piston	.2
11	*D 38755	O-RING - piston, large	.1
12	*A 27996	O-RING - gland, large	.1
13	H 223081	GLAND - cylinder	.1
14	*T 13224	O-RING - gland, small	.1
15	*H 745687	RING - backup, gland	.1
16	H 222935	WIPER - rod	.1
17	H 223263	RING - lock, gland	.1
18	H 602540	ROD - piston, 1-1/2" (38 mm) dia	.1
*H	587485	KIT - seal, all items preceded by an asterisk are part of H587485 kit	.1

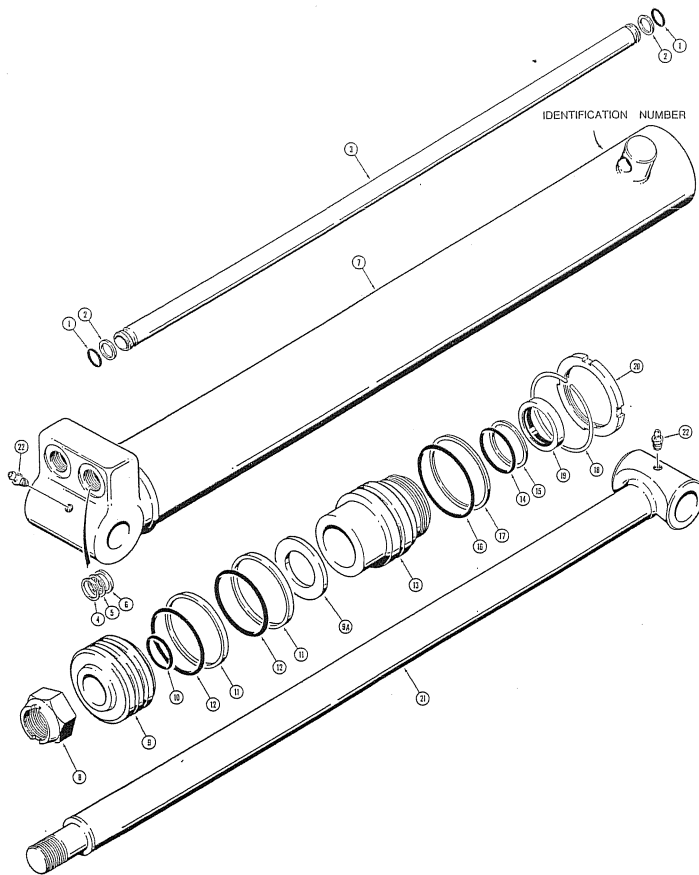


742283

H607713 BOOM AND DIPPER ARM CYLINDER
LANTEX #2904-BL (GLAND RETAINED BY THREADED CAP)

REF.	PART NO.	DESCRIPTION	REQ'D
H	607713	CYLINDER - boom and dipper arm, 3" (76 mm) ID x 24" (610 mm) stroke	2
1	H 602599	KIT - manifold	1
2	H 286013	SPRING - tube retaining	1
3	A 29197	O-RING - tube	1
4	H 745620	RING - backup	2
5	NSS	TUBE - hydraulic	2
5	219-	1 GREASE FITTING - straight, 1/8" NPT	1
6	H 608240	TUBE - cylinder	2
7	131-	1 NUT - hex self lock, 1/8" - 12 NF	1
8	H 754614	O-RING - piston rod small	1
9	H 298059	PISTON	1
10	H 754614	WASHER - backup	2
11	D 38755	O-RING - piston, large	1
12	H 286018	SPACER - piston	1
13	A 27966	O-RING - gland, large	1
14	H 223081	GLAND	1
15	T 13224	O-RING - gland, small	1
16	H 745687	WASHER - backup	1
17	H 222935	WIPER - rod	1
18	H 223032	CAP - gland retaining	1
19	H 608232	ROD - piston, 1-1/2" (38 mm) dia	1
H	621573	KIT - seal, includes all items preceded by an asterisk	1

H630293 BOOM AND DIPPER ARM CYLINDER CESSNA #41093-NAP (ON ROD END OF CYLINDER)



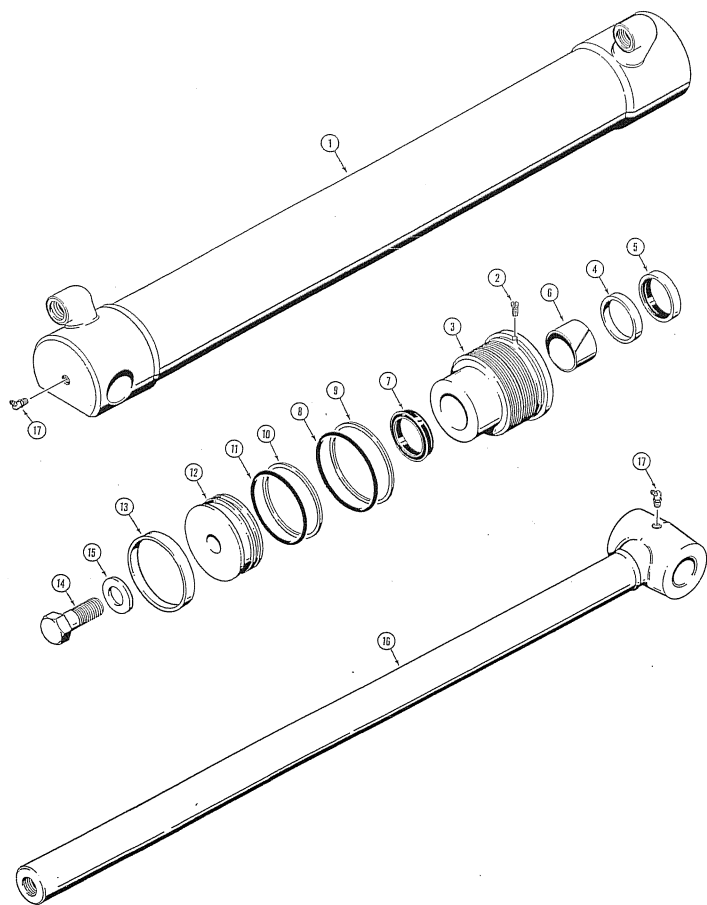
781155

REF.	PART NO.	DESCRIPTION	REQ'D
H	630293	CYLINDER - boom and dipper arm, 23-13/16" (609 mm) stroke and 3" (76 mm) ID dia.	2
1	*A 30097	O-RING	2
2	*H 752212	WASHER - backup	2
3	H 120170	TUBE - hydraulic	1
4	F 8236	WASHER - .005" (0.13 mm) thick	UAR
5	H 162974	WASHER - .015" (0.38 mm) thick	UAR
6	H 746172	WASHER - .030" (0.76 mm) thick	UAR
7	H 120154	TUBE - cylinder, barrel assembly)	1
8	131- 371	NUT - hex self lock, 1-1/8" - 12 NF	1
9	H 120147	PISTON - cylinder	1
9A	H 352989	WASHER - spacer	1
10	*A 27355	O-RING - piston, small	1
11	*H 120188	RING - backup, piston	1
12	*G 10389	O-RING - piston, large	2
13	HO 52753	GLAND - cylinder	1
14	*A 30916	O-ring - gland, small	1
15	*T 31052	RING - backup, gland, small	1
16	*A 27996	O-RING - gland, large	1
17	*H 745760	RING - backup, gland, large	1
18	*HO 52761	RING - retaining, gland	1
19	*A 41785	WIPER - rod	1
20	H 745794	NUT - ring style, gland retaining	1
21	H 120162	ROD - piston	1
22	219- 1	GREASE FITTING - straight, 1/8" NPT	2
*H	632851	KIT - seal includes all items preceded by an asterisk	1

Printed in U.S.A.

Issued May, 1979

G100931 BOOM AND DIPPER ARM CYLINDER
GLAND IS STAMPED WITH CYLINDER PART NUMBER

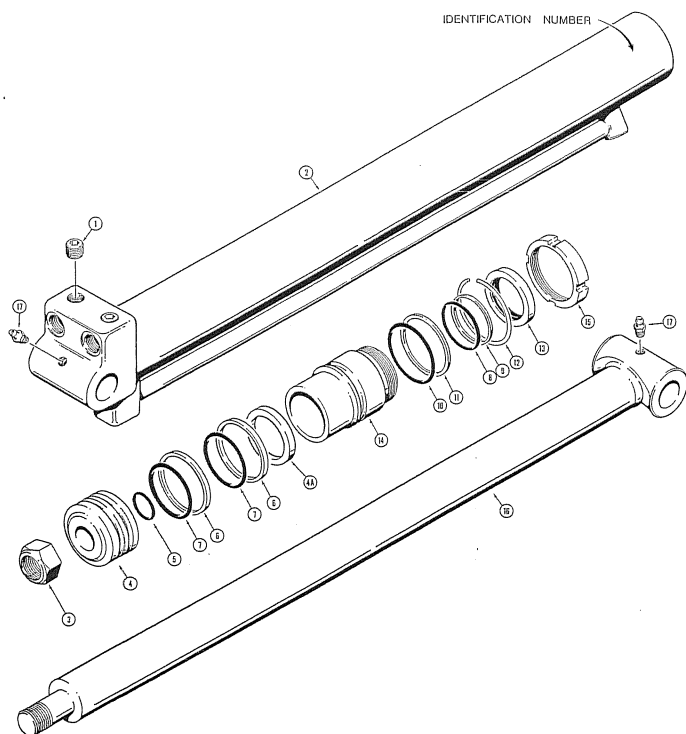


REF.	PART NO.	DESCRIPTION	REQ'D
	G 100931	CYLINDER - 3" (76 mm) ID x 23-13/16" (609 mm) stroke	2
1	G 100932	TUBE	1
2	187- 1031	SCREW - self-tapping, #8 - 32 NC x 1/4"	1
	G 34328	GLAND ASSEMBLY	1
3	NSS	GLAND	1
4	NSS	RING - center bearing	1
5	*D 95142	WIPER - rod	1
6	*G 34302	BEARING - center	1
7	*D 36969**	SEAL - rod	1
8	*A 30095	O-RING	1
9	*G 32122	RING - backup	1
10	*G 32034	RING - backup	1
11	*A 28318	O-RING	1
12	G 33747	PISTON	1
13	*G 100449	RING - wear	1
14	28- 1232	HHCS - 3/4" - 16 NF x 2"	1
15	G 32317	WASHER - hardened	1
16	G 34179	ROD - piston, 1-1/2" (38 mm) dia	1
17	219- 36	GREASE FITTING - 45°, 1-1/8" NPT	2
	*G 34656	KIT - seal, includes all items with an asterisk	1
	**G 100776	SEAL - rod, service option - extreme heat or cold	1

Printed in U.S.A.

Issued May, 1979

721106

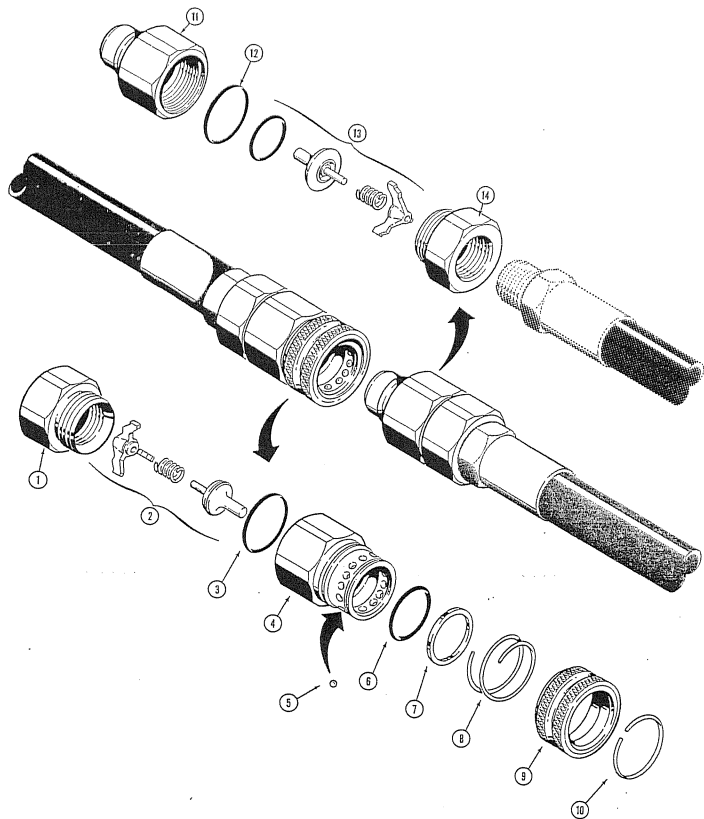


741284 A

H530493 BUCKET CYLINDER
CESSNA #41094-LA (ON ROD END OF CYLINDER)
H630285 BUCKET CYLINDER
CESSNA #41249-QAA (ON ROD END OF CYLINDER)

REF.	PART NO.	DESCRIPTION	REQ'D
H	530493	CYLINDER - used on Uni-loaders, 24" (610 mm) stroke x 2-1/2" (64 mm) ID	.1
H	630285	CYLINDER - used on 380 loader backhoe, 23-13/16" (609 mm) x 2-1/2" (64 mm) ID	.1
1	221- 1843	PLUG - pipe, 3/8" NPT	.2
2	H 120386	TUBE - cylinder, barrel assembly	.1
3	131- 369	NUT - hex self lock, 7/8" - 14 NF	.1
4	H 120410	PISTON - cylinder	.1
4A	H 352997	SPACER - washer	.1
H	120444	KIT - seal	.1
5	23119	O-RING - piston, small	.1
6	T 31057	O-RING - backup, piston	.1
7	A 23904	O-RING - piston, large	.2
8	A 51183	O-RING - gland, small	.1
9	H 755009	O-RING - backup, small	.1
10	A 14506	O-RING - gland, large	.1
11	A 35901	RING - backup, large	.1
12	A 35998	RING - retaining, gland	.1
13	H 120436	WIPER - rod	.1
14	H 120394	GLAND - cylinder	.1
15	H 120428	NUT - ring style, gland retaining	.1
16	H 120402	ROD - piston	.1
17	219- 1	GREASE FITTING - straight, 1/8" NPT	.2

D52694 AND D52800 HYDRAULIC COUPLINGS



740550 A

REF.	PART NO.	DESCRIPTION	REQ'D
	D 52800	COUPLING - hydraulic, female	1
1	D 31975	FITTING - end, coupling	1
2	D 53915	VALVE ASSEMBLY - coupling	1
3	A 13184	SEAL - coupling body	1
4	D 53916	BODY - coupling, straight end	1
5	211- 6	BALL - steel	10
6	D 53895	SEAL - coupling, body, internal	1
7	D 54276	RING - backup	1
8	D 31979	SPRING - sieve	1
9	D 31980	SLEEVE - ball retaining	1
10	D 31981	RING - retaining	1
	D 52694	COUPLING - hydraulic, straight male	1
11	D 31971	BODY - coupling, straight male	1
12	A 13184	SEAL - coupling body	1
13	D 53915	VALVE ASSEMBLY - coupling	1
14	D 31975	FITTING - end, coupling	1

Printed in U.S.A.

Issued May, 1979

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
16905	61	34	A 27365	85	36	A 32180	61	7
16905	63	52	A 27365	87	73	A 32180	65	7
16905	65	34	A 27804	61	33	A 35698	87	72
16905	67	52	A 27804	63	51	A 35988	107	12
16905	85	34	A 27804	65	33	A 35901	107	11
16905	87	52	A 27804	67	51	A 41785	47	17
16905	97	2	A 27804	85	33	A 41785	89	16
23119	107	5	A 27804	87	51	A 41785	95	19
A 7156	45	12	A 27804	87	79	A 41785	103	19
A 7623	45	22	A 27996	51	12	A 43250	91	17
A 7982	61	17	A 27996	53	13	A 44179	61	37
A 7982	61	39	A 27996	55	16	A 44179	67	37
A 7982	63	55	A 27996	57	12	A 70250	73	13
A 7982	65	17	A 27996	57	16	D 26265	87	70
A 7982	67	39	A 27996	89	12	D 31410	85	6
A 7982	67	55	A 27996	89	13	D 31971	109	11
A 7982	85	16	A 27996	93	9	D 31975	109	1
A 7982	85	39	A 27996	95	16	D 31975	109	14
A 7982	87	55	A 27996	99	12	D 31979	109	8
A 7982	87	78	A 27996	101	13	D 31980	109	9
A 8613	49	2	A 27996	103	16	D 31981	109	10
A 13184	109	3	A 28318	49	12	D 33805	69	36
A 13184	109	12	A 28318	91	14	D 33805	71	36
A 14051	41	46	A 28318	97	12	D 34089	25	7A
A 14506	93	7	A 28318	105	11	D 36040	27	19
A 14506	107	10	A 29197	47	2	D 36969	49	16
A 23904	93	6	A 29197	57	2	D 36969	59	6
A 23904	107	7	A 29197	101	2	D 36969	91	6
A 27355	47	7	A 30095	49	14	D 36969	97	16
A 27355	89	8	A 30095	59	7	D 36969	105	7
A 27355	95	10	A 30095	91	7	D 37732	23	23
A 27355	103	10	A 30095	97	14	D 38755	45	19
A 27358	87	74	A 30095	105	8	D 38755	47	10
A 27365	45	7	A 30097	47	11	D 38755	51	11
A 27365	45	9	A 30097	95	1	D 38755	53	11
A 27365	61	9	A 30097	103	1	D 38755	99	11
A 27365	61	11	A 30338	23	5	D 38755	101	11
A 27365	61	13	A 30338	31	21	D 40236	27	18
A 27365	61	15	A 30338	33	27	D 43403	23	25
A 27365	61	36	A 30825	29	7	D 52694	27	21
A 27365	65	9	A 30825	87	76	D 52694	109	
A 27365	65	11	A 30916	47	14	D 52800	27	9
A 27365	65	13	A 30916	89	11	D 52800	109	
A 27365	65	15	A 30916	89	14	D 52898	25	2
A 27365	67	36	A 30916	93	9	D 52899	25	9
A 27365	85	10	A 30916	95	14	D 52900	25	10
A 27365	85	14	A 30916	103	14	D 52901	25	4
A 27365	85	18	A 31183	107	8	D 52901	29	

Printed in U.S.A.

Issued May, 1979

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
D 53344	9	5	D 68960	15	17	F 8236	95	4
D 53583	9	15	D 68960	17	17	F 8236	103	4
D 53584	9	16	D 68960	19	17	F 36082	87	60
D 53585	9	6	D 70255	17	1	F 37887	61	38
D 53585	9	19	D 70380	15	16	F 37887	63	54
D 53586	9	7	D 70380	17	16	F 37887	67	38
D 53586	9	20	D 70531	15	13	F 37887	67	54
D 53696	9	2	D 70531	17	13	F 37887	85	38
D 53697	9	3	D 70531	19	13	F 37887	87	54
D 53695	109	6	D 70532	15	14	F 37887	87	77
D 53915	109	2	D 70532	17	14	F 59116	61	32
D 53915	109	13	D 70532	19	14	F 59116	63	50
D 53916	109	4	D 70634	29	14	F 59116	65	32
D 54188	29	11	D 70635	29	13	F 59116	87	50
D 54189	29	13	D 70636	29	11	F 59116	85	32
D 54268	29	16	D 70637	29	5	F 59116	87	50
D 54269	29	17	D 70638	29	10	F 59117	87	66
D 54270	29	5	D 70639	29	9	F 59121	99	1
D 54271	29	7	D 70641	29	2	F 62114	45	16
D 54272	29	9	D 70642	29	4	F 62114	61	6
D 54273	29	8	D 71641	15	5	F 62114	65	6
D 54274	29	10	D 71641	17	5	F 62235	31	11
D 54275	29	3	D 71641	19	5	F 62235	33	12
D 54276	109	7	D 71643	15	6	G 88054	61	
D 54861	49	1	D 71643	17	6	G 10389	89	10
D 55131	11	5	D 71643	19	6	G 10389	95	12
D 55131	21	5	D 73091	25	2	G 10389	103	12
D 55880	27	13	D 75978	23	21	G 32033	49	10
D 55954	9	5	D 75984	23	6	G 32034	49	11
D 55954	9	18	D 75985	23	7	G 32034	91	12
D 56576	9		D 76007	23	10	G 32034	97	11
D 56576	13	10	D 76008	23	11	G 32034	105	10
D 56576	15	15	D 76067	23	2	G 32122	49	15
D 56576	17	15	D 76102	27	7	G 32122	59	8
D 60674	13	5	D 76136	27	8	G 32122	91	8
D 63445	13	9	D 76536	27	14	G 32122	97	15
D 63533	13	11	D 76554	23	19	G 32122	105	9
D 63534	13	12	D 76555	23	20	G 32269	49	
D 63534	15	18	D 76759	27	15	G 32269	97	
D 63534	17	18	D 76847	19	1	G 32317	49	8
D 63534	19	18	D 77100	27	20	G 32317	59	16
D 63916	15	1	D 81310	23	1	G 32317	91	16
D 63919	13	1	D 81310	71	1	G 32317	97	8
D 64103	25	4A	D 95142	49	17	G 32317	105	15
D 64103	29		D 95142	59	4	G 32626	65	16
D 65044	25	14	D 95142	91	4	G 32626	85	15
D 65045	25	13	D 95142	97	17	G 33747	49	9
D 65591	15	20	D 95142	105	5	G 33747	91	11

Printed in U.S.A.

Issued May, 1979

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
G 33747	97	9	H 102749	81	33	H 120154	103	7
G 33747	105	12	H 109652	73	2	H 120162	95	21
G 34174	97		H 109678	69	31	H 120162	103	21
G 34175	97	6	H 109777	69	9	H 120170	95	3
G 34179	97	19	H 109777	71	9	H 120170	103	3
G 34179	105	16	H 109793	73	3	H 120188	89	10
G 34183	97	5	H 109801	73	20	H 120188	89	11
G 34186	49		H 109819	73	25	H 120188	95	11
G 34187	49	6	H 109827	73	39	H 120188	103	11
G 34191	49	19	H 110114	73	41	H 120196	95	
G 34193	49	5	H 110247	77	12	H 120279	93	1
G 34302	59	5	H 110247	81	12	H 120287	93	15
G 34302	91	5	H 110254	77	9	H 120295	93	3
G 34302	105	6	H 110254	81	9	H 120311	93	
G 34328	49		H 110262	77	3	H 120329	89	4
G 34328	59		H 110262	81	3	H 120337	89	2
G 34328	91		H 110270	69	12	H 120345	89	1
G 34328	97		H 110270	71	12	H 120352	89	19
G 34328	105		H 111468	79	38	H 120352	89	20
G 34478	49	3	H 111468	83	38	H 120360	89	17
G 34480	97	3	H 111575	69	33	H 120360	89	19
G 34656	91		H 111575	71	33	H 120378	89	
G 34656	105		H 111583	69	34	H 120386	107	2
G 100442	59	11	H 111583	71	34	H 120394	107	14
G 100444	59	13	H 112581	77	28	H 120402	107	16
G 100449	59	14	H 112581	81	28	H 120410	107	4
G 100449	91	13	H 112599	77	29	H 120428	107	15
G 100449	97	10	H 112599	81	29	H 120436	107	13
G 100449	105	13	H 112607	77	23	H 120444	107	
G 100776	59		H 112607	81	23	H 120683	73	12
G 100776	91		H 112615	79	16	H 122309	73	10
G 100776	105		H 114272	81	24	H 122309	73	11
G 100905	91		H 115725	79	33	H 132985	85	
G 100906	91	1	H 119024	87	59	H 162974	95	5
G 100912	91	10	H 119032	87	58	H 162974	103	5
G 100931	105		H 119040	87	63	H 166314	93	12
G 100932	105	1	H 119255	87	56	H 169318	41	16
G 100936	59		H 119263	87	64	H 191908	41	12
G 100937	59	1	H 120071	87		H 191916	41	45
G 101357	59	10	H 120089	65		H 191924	41	44
G 102288	59	12	H 120097	85		H 194977	69	16
G 102404	59		H 120105	85		H 210849	61	7A
H 47555	63	49	H 120105	87		H 210849	65	7A
H 52548	39	9	H 120121	85		H 210849	85	8
H 56952	33	25	H 120147	89	7	H 213033	83	26
H 102749	37	12	H 120147	95	9	H 215202	45	5
H 102749	41	23	H 120147	103	9	H 215269	47	21
H 102749	77	32	H 120154	95	7	H 215277	47	22

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
H 218263	69	43	H 276758	43	27	H 363903	89	2A
H 218263	71	43	H 286013	51	1	H 374157	89	2
H 219006	41	19	H 286013	53	1	H 513630	61	22
H 222935	51	17	H 286013	55	1	H 513630	65	22
H 222935	53	17	H 286013	57	1	H 513630	85	22
H 222935	55	17	H 286013	99	3	H 513648	63	40
H 222935	57	17	H 286013	101	1	H 513648	67	40
H 222935	99	16	H 298018	55	11	H 513648	87	40
H 222935	101	17	H 298018	101	12	H 513671	39	21
H 223032	53	18	H 298059	53	9	H 513689	39	20
H 223032	101	18	H 298059	101	9	H 513697	39	19
H 223073	51	9	H 298108	53	12	H 513788	61	1
H 223073	99	8	H 308726	31	7	H 514109	47	
H 223081	51	13	H 308726	31	8	H 514117	31	15
H 223081	53	14	H 313981	33	5	H 514117	37	37
H 223081	99	13	H 313981	33	22	H 514117	41	41
H 223081	101	14	H 313981	33	29	H 514117	45	
H 223123	93	12	H 313981	69	47	H 514125	31	26
H 223263	51	14	H 313981	71	47	H 514125	37	38
H 223263	93	13	H 313981	73	4	H 514125	41	34
H 223263	99	17	H 313981	73	17	H 514125	45	
H 226415	61		H 313981	73	22	H 514380	31	32
H 226415	65		H 313981	73	27	H 514430	37	25
H 226415	85		H 328781	55	14	H 514448	37	26
H 240085	71	31	H 328781	57	14	H 514455	37	31
H 244921	43	23	H 330423	55	18	H 514463	37	32
H 247809	55	15	H 330423	57	18	H 514554	31	14
H 247809	57	15	H 334391	81	12	H 514562	31	19
H 252825	89	7	H 334557	57	9	H 514570	31	20
H 252833	89	9	H 334565	57	11	H 514588	37	2
H 256842	85	20	H 351510	71	16	H 514588	41	2
H 257048	33	32	H 351791	61		H 514596	31	37
H 268516	43	3	H 351791	65		H 514620	33	8
H 268524	43	4	H 351791	85		H 514687	33	15
H 268532	41	39	H 352989	103	9A	H 514760	37	27
H 268540	43	6	H 352997	107	4A	H 514778	37	28
H 268540	43	23	H 356675	83	42	H 514786	37	29
H 268557	43	5	H 356725	83	33	H 514794	37	30
H 268565	43	24	H 356733	83	16	H 528323	79	4
H 270272	83	16	H 356741	81	28	H 528331	79	5
H 270280	83	33	H 356758	81	23	H 528547	73	9
H 270637	83	5	H 356758	81	29	H 528679	95	
H 270645	83	4	H 357855	43	3A	H 528687	79	20
H 274043	93	15	H 357863	43	24	H 528695	79	19
H 274050	93	3	H 357897	83	43	H 528703	79	15
H 274068	93	8	H 357905	83	44	H 528711	79	14
H 275255	41	42	H 357913	81	29	H 528729	79	32
H 276758	39	29	H 357921	81	28	H 528737	79	31

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
H 528844	77	18	H 602508	51	6	H 745620	53	3
H 528844	79	1	H 602516	51	18	H 745620	55	3
H 528844	81	18	H 602532	99	6	H 745620	57	3
H 528844	83	1	H 602540	99	18	H 745620	99	2
H 528844	85	1	H 602599	99		H 745620	101	3
H 528877	69		H 602599	101		H 745646	87	75
H 528885	89		H 602607	51		H 745661	85	37
H 528893	77	13	H 602607	53		H 745687	51	16
H 528893	81	13	H 602607	55		H 745687	53	16
H 529412	79	6	H 602607	57		H 745687	99	15
H 529412	83	6	H 607697	53		H 745687	101	16
H 529420	73	31	H 607713	101		H 745695	89	12
H 529503	69	11	H 608224	53		H 745695	93	10
H 529511	69	17	H 608232	101	19	H 745752	61	5
H 529511	71	17	H 608240	101	6	H 745752	65	5
H 530493	107		H 608257	53	19	H 745760	89	13
H 530501	93		H 608257	55	19	H 745760	89	14
H 533638	69	42	H 608265	53	6	H 745760	95	17
H 533646	69	45	H 608265	55	6	H 745760	103	17
H 533646	71	45	H 619767	65	1	H 745786	93	14
H 583070	89		H 621029	55		H 745786	47	18
H 585216	71	11	H 621037	55		H 745794	89	18
H 586263	89		H 621573	101		H 745794	95	20
H 587485	51		H 623637	57		H 745794	103	20
H 587485	99		H 623645	57		H 746164	85	31
H 587782	93		H 625186	81	13	H 746164	87	48
H 593376	43	19	H 625277	57	19	H 746172	95	6
H 593384	43	18	H 625285	57	6	H 746172	103	6
H 593392	43	17	H 625731	69	41	H 746297	45	24
H 593400	41	31	H 625731	71	41	H 746859	85	19
H 593418	41	30	H 625756	31	42	H 746863	61	35
H 593426	41	37	H 629980	65		H 746863	63	53
H 593434	41	38	H 630145	71		H 746863	65	35
H 593442	41	35	H 630285	107		H 746863	67	53
H 593459	41	36	H 630293	103		H 746883	85	35
H 593467	41	27	H 630319	83	14	H 746883	87	53
H 593475	41	26	H 630327	83	15	H 747170	31	6
H 594382	83	20	H 632851	103		H 747170	31	39
H 594390	83	19	H 632992	71	28	H 747170	69	3
H 594408	83	32	H 644450	65		H 747170	69	27
H 594416	83	31	H 743583	93	7	H 747170	71	3
H 594424	83	14	H 743591	45	3	H 752212	95	2
H 594432	83	15	H 744052	89	9	H 752212	103	2
H 596072	93		H 744730	57	8	H 754614	45	18
H 596080	93	14	H 744730	93	5	H 754614	47	9
H 596098	93	1	H 745588	47	9	H 754614	51	10
H 600841	51		H 745596	45	4	H 754614	53	10
H 601880	99		H 745620	51	3	H 754614	93	6

Printed in U.S.A.

Issued May, 1979

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
H 754614	99	10	T 31052	89	15	T 41554	21	6
H 754614	101	8	T 31052	95	15	T 41758	11	14
H 754614	101	10	T 31052	103	15	T 41758	21	14
H 754622	47	3	T 31053	93	13	T 42308	21	2A
H 754994	93	8	T 31057	93	5	T 42308	23	4
H 755009	107	9	T 31057	107	6	T 42647	21	1A
H 756049	89	8	T 40222	11	3	T 42648	11	1A
H 757492	85	5	T 40222	13	3	FH 730341	85	29
H 758011	89	2B	T 40222	15	3	FH 730366	61	28
H 905109	35	6	T 40222	17	3	FH 730366	63	46
H 905117	35	6	T 40222	19	3	FH 730366	65	28
H 905125	35	6	T 40222	21	3	FH 730366	67	46
H 905133	35	6	T 40366	9		FH 730366	85	28
H 905158	35	1	T 40366	11	13	FH 730366	87	46
H 905166	35	1	T 40366	19	16	FH 730366	87	69
H 905174	35	1	T 40366	21	13	FH 730374	61	27
H 905182	35	1	T 40366	23	3	FH 730374	63	45
H 905190	35	1	T 40677	11	1	FH 730374	65	27
H 905380	33		T 40685	11	2A	FH 730374	67	45
H 907683	31		T 40685	11	2B	FH 730374	87	45
H 909036	75	1	T 40685	13	2	HO 26468	77	4
H 909044	75	1	T 40685	15	2	HO 26468	81	4
H 909051	75	1	T 40685	17	2	HO 31161	31	18
H 909077	75	5	T 40685	19	2	HO 35279	37	21
H 909085	75	5	T 40686	11	2	HO 35279	41	17
H 909093	75	5	T 40691	11	12	HO 35279	77	7
H 909101	75	5	T 40691	19	15	HO 35279	81	7
L 13903	71	27	T 40691	21	12	HO 35766	69	28
L 14340	47	12	T 40722	21	1	HO 35865	69	19
L 30443	87	71	T 40732	21	2B	HO 35865	71	19
L 30443	97	1	T 40733	21	2C	HO 35980	69	40
L 31330	29	6	T 40735	21	2	HO 35980	71	40
R 12509	29	15	T 41166	35	5	HO 36640	69	18
R 15365	55	8	T 41166	35	10	HO 36640	71	18
R 15366	51	8	T 41166	75	4	HO 36640	73	33
R 15366	53	8	T 41166	75	8	HO 36640	75	2
R 15366	99	9	T 41332	25	1	HO 36640	75	6
R 24323	15	10	T 41332	25	15	HO 36657	35	4
R 24323	17	10	T 41332	25	18	HO 44875	69	48
R 24323	19	10	T 41523	11	1A	HO 44875	71	48
R 30690	85	7	T 41530	11	8	HO 45468	79	23
S 6905	61	16	T 41530	21	8	HO 46888	83	41
S 99941	77	24	T 41534	25	16	HO 47514	85	27
T 13224	51	15	T 41547	25	17	HO 47514	87	68
T 13224	53	15	T 41550	21	1A	HO 47555	61	31
T 13224	93	4	T 41551	11	5	HO 47555	65	31
T 13224	99	14	T 41551	21	5	HO 47555	67	49
T 13224	101	15	T 41554	11	6	HO 47555	87	49

Printed in U.S.A.

Issued May, 1979

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
HO 50369	31	36	HO 52571	43	8	HO 52902	63	47
HO 50377	31	23	HO 52571	79	42	HO 52902	65	29
HO 50435	33	9	HO 52589	39	17	HO 52902	67	47
HO 50526	33	2	HO 52589	43	15	HO 52902	87	47
HO 50559	37	20	HO 52654	45	10	HO 52928	61	30
HO 50658	33	14	HO 52662	45	13	HO 52928	63	48
HO 50682	33	34	HO 52670	45	17	HO 52928	65	30
HO 50690	33	18	HO 52688	45	14	HO 52928	67	48
HO 50690	33	28	HO 52696	45	21	HO 52928	85	30
HO 50690	69	46	HO 52704	45		HO 52928	87	65
HO 50690	71	46	HO 52712	47	1	HO 52951	61	
HO 50690	73	15	HO 52720	47	4	HO 52951	63	
HO 50690	73	34	HO 52738	47	5	HO 52951	65	
HO 50716	37	15	HO 52746	47	8	HO 52951	67	
HO 50716	41	11	HO 52753	47	13	HO 52969	61	
HO 50724	31	27	HO 52753	95	13	HO 52969	65	
HO 50823	35	2	HO 52753	103	13	HO 52977	63	
HO 50823	35	7	HO 52761	47	16	HO 52977	67	
HO 50823	73	32	HO 52761	89	15	HO 52977	87	
HO 50831	31	12	HO 52761	89	17	HO 52985	61	
HO 50880	37	11	HO 52761	95	18	HO 52985	65	
HO 50880	41	22	HO 52761	103	18	HO 52985	85	
HO 50914	37	14	HO 52779	47	17	HO 53009	45	1
HO 50914	41	13	HO 52787	47	19	HO 53017	45	2
HO 50922	37	16	HO 52795	47		HO 53025	45	6
HO 50922	77	2	HO 52803	61	2	HO 53033	45	8
HO 50922	81	2	HO 52803	65	2	HO 53041	45	
HO 50930	37	17	HO 52803	85	2	HO 53793	33	19
HO 50930	77	1	HO 52811	61	3	HO 53793	73	6
HO 50930	81	1	HO 52811	65	3	HO 53793	73	28
HO 51433	39	7	HO 52811	85	3	HO 56184	33	10
HO 51441	39	8	HO 52829	61		HO 56184	35	3
HO 51458	39	5	HO 52829	65		HO 56184	35	6
HO 51466	39	6	HO 52837	61	10	HO 56192	31	38
HO 51474	37	33	HO 52837	65	10	HO 56192	33	16
HO 51482	39	26	HO 52852	61	18	HO 56945	33	3
HO 51748	39	18	HO 52852	65	18	HO 59055	75	3
HO 51748	43	16	HO 52852	85	21	HO 59345	79	30
HO 51755	39	24	HO 52878	61	20	HO 59345	83	30
HO 51755	43	22	HO 52878	65	20	HO 60178	61	19
HO 51763	39	12	HO 52886	61	25	HO 60178	65	19
HO 51763	43	10	HO 52886	63	44	HO 60178	65	20
HO 51870	31	16	HO 52886	65	26	HO 60616	33	26
HO 52068	31	13	HO 52886	67	44	HO 61283	35	9
HO 52399	39	25	HO 52886	85	26	HO 61283	75	7
HO 52548	43	7	HO 52886	87	44	HO 61424	35	11
HO 52548	79	41	HO 52886	87	67	HO 61432	35	11
HO 52571	39	10	HO 52902	61	29			

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
HO 61440	35	11	28- 1232	105	14	113- 209	73	5
HO 61459	35	11	83- 44	49	4	113- 219	33	21
HO 70623	69	7	83- 44	97	4	113- 248	31	2
HO 70623	71	7	92- 4	25	6	113- 335	37	3
HO 76851	69	35	92- 5	9	13	113- 335	41	3
HO 76851	71	35	92- 5	9	24	113- 335	77	16
HO 77024	69	2	92- 6	15	22	113- 335	81	16
HO 77024	71	2	92- 6	25	6	113- 410	13	6
HO 79285	69	4	92- 8	11	10	113- 424	31	43
HO 79285	71	4	92- 8	13	7	113- 427	23	12
HO 79285	73	37	92- 8	15	11	113- 604	31	29
HO 80283	79	26	92- 8	17	11	113- 620	23	9
HO 83436	37	18	92- 8	19	11	113- 650	31	28
HO 83444	37	19	92- 8	21	10	113- 728	69	23
HO 95877	69	38	92- 12	69	24	113- 728	71	23
HO 95877	71	38	92- 12	71	24	113- 907	23	16
HO 98897	83	11	95- 5	9	9	113- 925	23	14
HO 98897	83	23	95- 5	9	22	113- 926	23	15
13- 452	25	5	95- 9	77	5	114- 101	9	8
13- 616	15	21	95- 9	81	5	114- 101	9	21
13- 636	25	5	95- 525	41	8	114- 201	73	21
13- 820	11	9	113- 3	39	11	114- 203	73	16
13- 820	21	9	113- 3	43	9	114- 216	73	26
13- 828	15	7	113- 4	39	27	129- 100	23	18
13- 828	17	7	113- 4	43	25	129- 101	39	14
13- 836	15	8	113- 103	79	36	129- 101	39	23
13- 836	17	8	113- 103	83	36	129- 101	43	12
13- 836	19	8	113- 104	79	7	129- 101	43	21
13- 848	15	9	113- 104	79	9	129- 102	79	13
13- 848	17	9	113- 104	79	21	129- 102	79	25
13- 848	19	9	113- 104	83	7	129- 102	79	40
25- 104	25	7	113- 104	83	9	129- 102	83	13
25- 105	9	12	113- 104	83	21	129- 102	83	25
25- 106	15	23	113- 121	39	15	129- 102	83	40
25- 106	25	7	113- 121	39	22	129- 103	31	5
25- 108	11	11	113- 121	43	13	129- 103	33	7
25- 108	15	12	113- 121	43	20	129- 103	33	24
25- 108	17	12	113- 205	27	10	129- 103	69	51
25- 108	19	12	113- 207	69	15	129- 103	71	15
25- 108	21	11	113- 207	71	15	129- 103	71	51
25- 115	9	11	113- 208	27	16	129- 103	73	8
25- 115	9	25	113- 208	31	33	129- 105	13	8
25- 2424	71	30	113- 208	33	30	129- 105	31	46
28- 1232	49	7	113- 208	37	6	129- 107	31	31
28- 1232	59	15	113- 208	41	6	129- 110	23	22
28- 1232	91	15	113- 208	69	49	129- 123	73	19
28- 1232	97	7	113- 208	71	49	129- 123	73	24
			113- 209	33	4	129- 123	73	30

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
129- 125	77	15	132- 314	71	10	192- 20	77	11
129- 125	81	15	132- 314	73	35	192- 20	79	8
129- 128	69	25	132- 314	73	40	192- 20	79	12
129- 128	71	25	132- 319	71	29	192- 20	79	24
129- 143	41	43	132- 349	69	5	192- 20	79	29
129- 148	69	22	132- 349	71	5	192- 20	79	39
129- 148	71	22	132- 355	69	8	192- 20	81	11
131- 31	9	10	132- 355	69	32	192- 20	83	8
131- 31	9	23	132- 355	71	8	192- 20	83	24
131- 176	69	13	136- 159	13	13	192- 20	83	29
131- 176	71	13	136- 159	15	19	192- 20	83	39
131- 269	93	2	136- 159	17	19	192- 21	27	12
131- 369	107	3	136- 159	19	19	192- 21	27	17
131- 370	51	7	136- 164	11	7	192- 21	31	4
131- 370	99	7	136- 164	21	7	192- 21	31	34
131- 371	89	6	138- 98	41	9	192- 21	33	6
131- 371	95	8	138- 127	89	3	192- 21	33	23
131- 371	103	8	138- 2002	37	13	192- 21	33	31
131- 372	57	7	138- 2002	77	6	192- 21	37	7
131- 372	93	2	138- 2002	81	6	192- 21	41	7
131- 1037	31	41	164- 91	71	20	192- 21	61	4
131- 1037	69	30	164- 211	69	20	192- 21	65	4
131- 1121	45	15	178- 53	31	36	192- 21	69	50
131- 1141	47	6	178- 413	29	1	192- 21	71	50
131- 1141	53	7	178- 413	29	3	192- 21	73	7
131- 1141	55	7	178- 859	29	12	192- 21	73	18
131- 1141	89	6	178- 878	55	20	192- 21	73	23
131- 1141	101	7	187- 1031	49	18	192- 21	73	29
131- 1171	31	24	187- 1031	59	9	192- 21	85	4
131- 1181	69	15	187- 1031	91	9	192- 22	37	4
132- 5	37	22	187- 1031	97	18	192- 22	41	4
132- 5	41	18	187- 1031	105	2	192- 22	77	17
132- 5	77	8	187- 1069	31	9	192- 22	81	17
132- 5	81	8	187- 1069	37	9	192- 23	23	13
132- 15	21	4	187- 1069	41	20	192- 23	31	45
132- 20	33	35	187- 1069	77	10	192- 23	77	14
132- 48	31	17	187- 1069	81	10	192- 23	81	14
132- 152	33	33	187- 1070	79	28	192- 25	23	8
132- 152	69	44	187- 1070	83	28	192- 27	69	21
132- 152	71	44	192- 19	39	13	192- 27	71	21
132- 159	11	4	192- 19	39	28	192- 102	83	12
132- 159	13	4	192- 19	43	11	192- 311	31	40
132- 159	15	4	192- 19	43	26	192- 311	69	29
132- 159	17	4	192- 20	31	10	193- 545	9	4
132- 159	19	4	192- 20	37	10	193- 545	9	17
132- 313	71	32	192- 20	39	16	195- 454	33	13
132- 313	73	38	192- 20	41	21	195- 521	79	10
132- 314	69	10	192- 20	43	14	195- 521	79	22

NUMERICAL INDEX

PART NO	PAGE	REF	PART NO	PAGE	REF	PART NO	PAGE	REF
195- 521	79	37	218- 5007	29	12	219- 8	31	47
195- 521	83	10	218- 5007	29	14	219- 8	33	37
195- 521	83	22	218- 5007	37	36	219- 8	69	37
195- 521	83	37	218- 5007	41	25	219- 8	71	37
195- 525	27	11	218- 5007	51	2	219- 8	73	43
195- 525	31	35	218- 5007	53	2	219- 8	93	16
195- 525	37	8	218- 5007	55	2	219- 13	47	20
195- 529	37	5	218- 5007	63	57	219- 36	59	17
195- 529	41	5	218- 5007	67	58	219- 36	105	17
195- 533	31	44	218- 5007	77	20	221- 842	67	56
195- 541	31	25	218- 5007	85	12	221- 842	87	80
195- 541	31	30	218- 5058	77	21	221- 849	29	2
211- 6	109	5	218- 5058	81	21	221- 1843	107	1
211- 104	89	5	218- 5059	41	28	281- 5006	37	24
211- 311	89	5	218- 5059	79	2	281- 5007	81	20
218- 435	25	11	218- 5059	83	2	321- 1572	81	37
218- 465	25	12	218- 5065	27	5	321- 3054	37	39
218- 465	41	32	218- 5107	41	24	321- 3054	41	47
218- 485	25	3	218- 5123	27	3	321- 3054	77	33
218- 555	25	8	218- 5128	81	30	321- 3054	81	34
218- 921	77	30	218- 5154	29	16	321- 3182	73	45
218- 921	81	30	218- 5156	85	11	321- 3183	73	46
218- 5004	29	17	218- 5157	63	56	321- 3196	33	38
218- 5005	41	40	218- 5157	67	57	321- 3198	73	44
218- 5005	77	26	218- 5164	27	2	321- 3885	73	47
218- 5005	81	26	218- 5201	77	19	321- 3994	81	35
218- 5005	81	31	218- 5201	81	19	321- 3997	23	24
218- 5006	37	34	218- 5252	39	2	321- 4130	81	36
218- 5006	39	3	218- 5392	77	25	391- 620	69	39
218- 5006	39	4	218- 5392	81	25	391- 620	71	39
218- 5006	41	29	218- 5392	81	30			
218- 5006	41	33	218- 5403	37	23			
218- 5006	43	2	218- 5406	37	35			
218- 5006	77	22	219- 1	49	20			
218- 5006	79	3	219- 1	51	5			
218- 5006	79	17	219- 1	53	5			
218- 5006	79	27	219- 1	55	5			
218- 5006	79	34	219- 1	57	5			
218- 5006	81	22	219- 1	89	20			
218- 5006	83	3	219- 1	89	21			
218- 5006	83	17	219- 1	91	18			
218- 5006	83	27	219- 1	93	16			
218- 5006	83	34	219- 1	95	22			
218- 5007	27	4	219- 1	97	20			
218- 5007	27	6	219- 1	99	5			
218- 5007	27	2A	219- 1	101	5			
218- 5007	29	4	219- 1	103	22			
218- 5007	29	6	219- 1	107	17			