



J70 Rotary Tiller S/N H37885 & After
H70 Rotary Tiller Prior to S/N H37885
F70 Rotary Tiller for Compact Tractors

Parts Catalog B1189

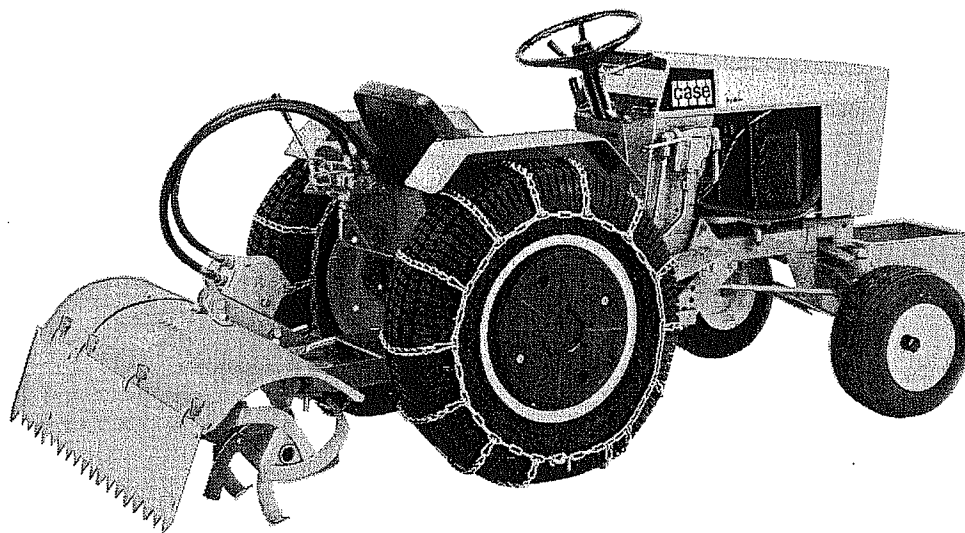
J70 ROTARY TILLER S/N H37885 & AFTER H70 ROTARY TILLER PRIOR TO S/N H37885 F70 ROTARY TILLER FOR COMPACT TRACTORS

Part Catalog B1189

Print Shop 2500

Published August 1977

Note: This parts catalog replaces the previous
issue - A1189 - and catalog 1132 which
are obsolete and should be discarded.



MODEL DESIGNATION	TRACTOR APPLICATION							
	220	222	224	442	444	446	644	646
F70	X	X		X	X			
H70 and J70	X	X	X	X	X	X	X	X

J I Case
A Tenneco Company



Service Parts Supply

700 State Street
Racine, Wisconsin 53404

Printed in U.S.A.

GENERAL INFORMATION

Indexes

This parts Catalog is arranged for easy identification of Genuine CASE Service Parts. An alphabetical index is provided at the front of this Catalog to locate the major groups or assemblies. A numerical index at the rear of the Catalog gives the part numbers and the pages on which they are described.

Illustrations

All parts are illustrated in "Exploded Views" which show the individual parts in their normal relationship to each other. Reference numbers are used in the illustrations. These numbers correspond to those in the "Reference Number" column and are followed by the part number, description and quantity required.

Orders

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

Changes

When changes to the machine make it necessary, revised pages for this book will be issued. The revised pages will be issued with the same page number as those they replace and the "issue" number and date will be advanced.

It is imperative that revised Parts Book pages be inserted into their respective Parts Books as soon as received. Failure to do so will lead to confusion and defeat the purpose of the book.

Indented Description

Indented parts in the descriptive list are a part of the preceding assembly or sub-assembly.

The quantity shown in the "Number Required" column is the number of parts used on a machine except where parts are indented in descriptive list. In this case the quantity shown is the number required for the preceding assembly or sub-assembly.

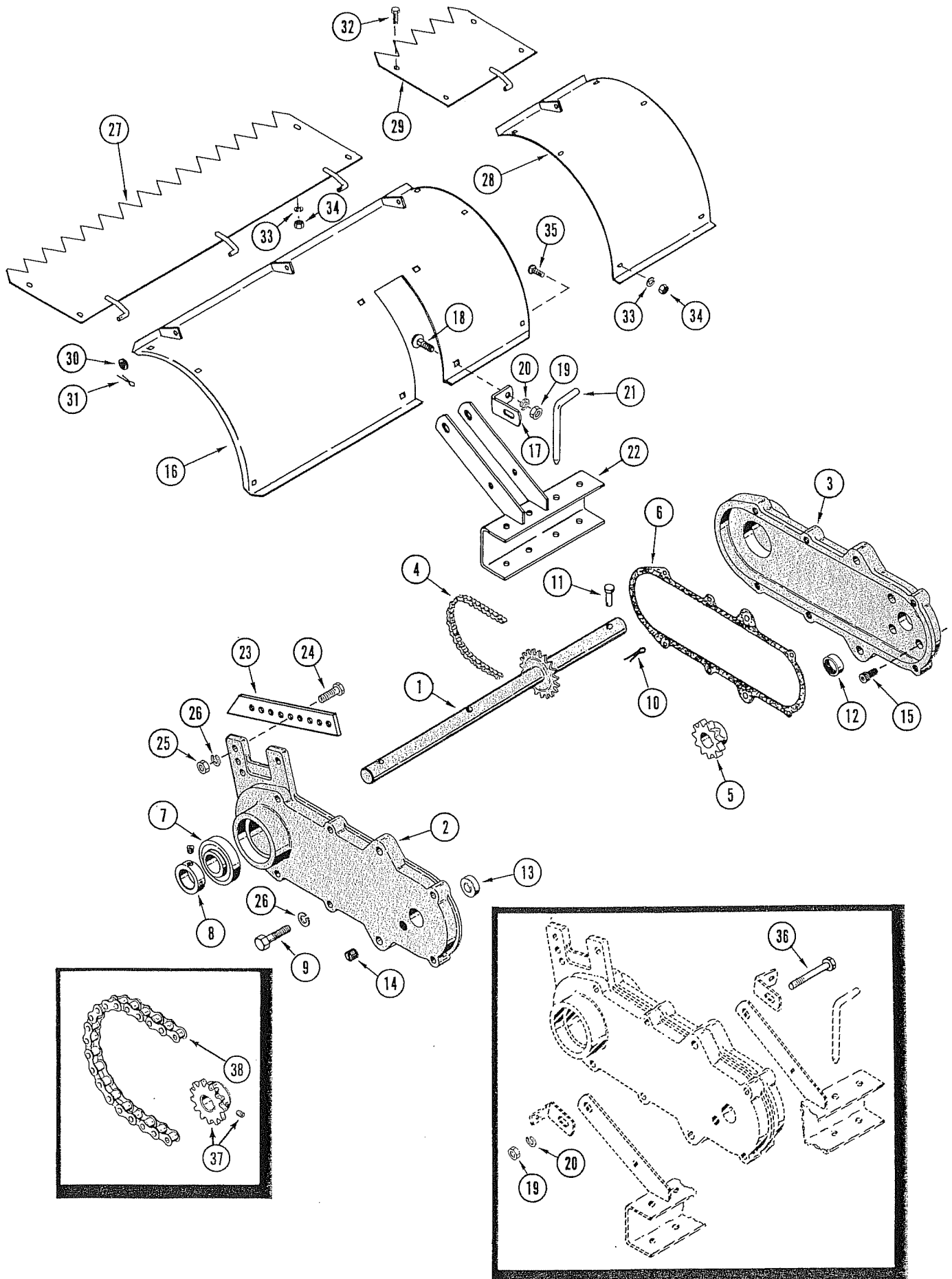
REF.	PART NO.	DESCRIPTION	REQ'D
	A 55159	CYLINDER ASSY - rear steering	1
28	A 56208	SOCKET ASSY - rear cylinder	1
29	A 55956	PLUG - adjusting, socket assy	1
30	A 55957	SEAT - socket ball	2
31	A 56210	SPRING - socket	1
32	A 56209	SEAT - socket spring.	1
33	G 45175	CLAMP ASSY - socket assy	1
	16- 836	BOLT - 1/2" x 2-1/4" N.F. hex.	1
34	132- 104	PIN - cotter, 3/16" x 3".	1
35	A 55889	STUD - ball, socket & cylinder	2
36	13- 410	BOLT - 1/4" x 5/8" N.C., hex.	4
37	92- 4	LOCKWASHER - 1/4" SAE.	4

Terms "Right Hand" and "Left Hand"

"Right Hand" and "Left Hand" sides of this machine are determined by standing at the rear of the unit and facing in the direction of forward travel.

ALPHABETICAL INDEX

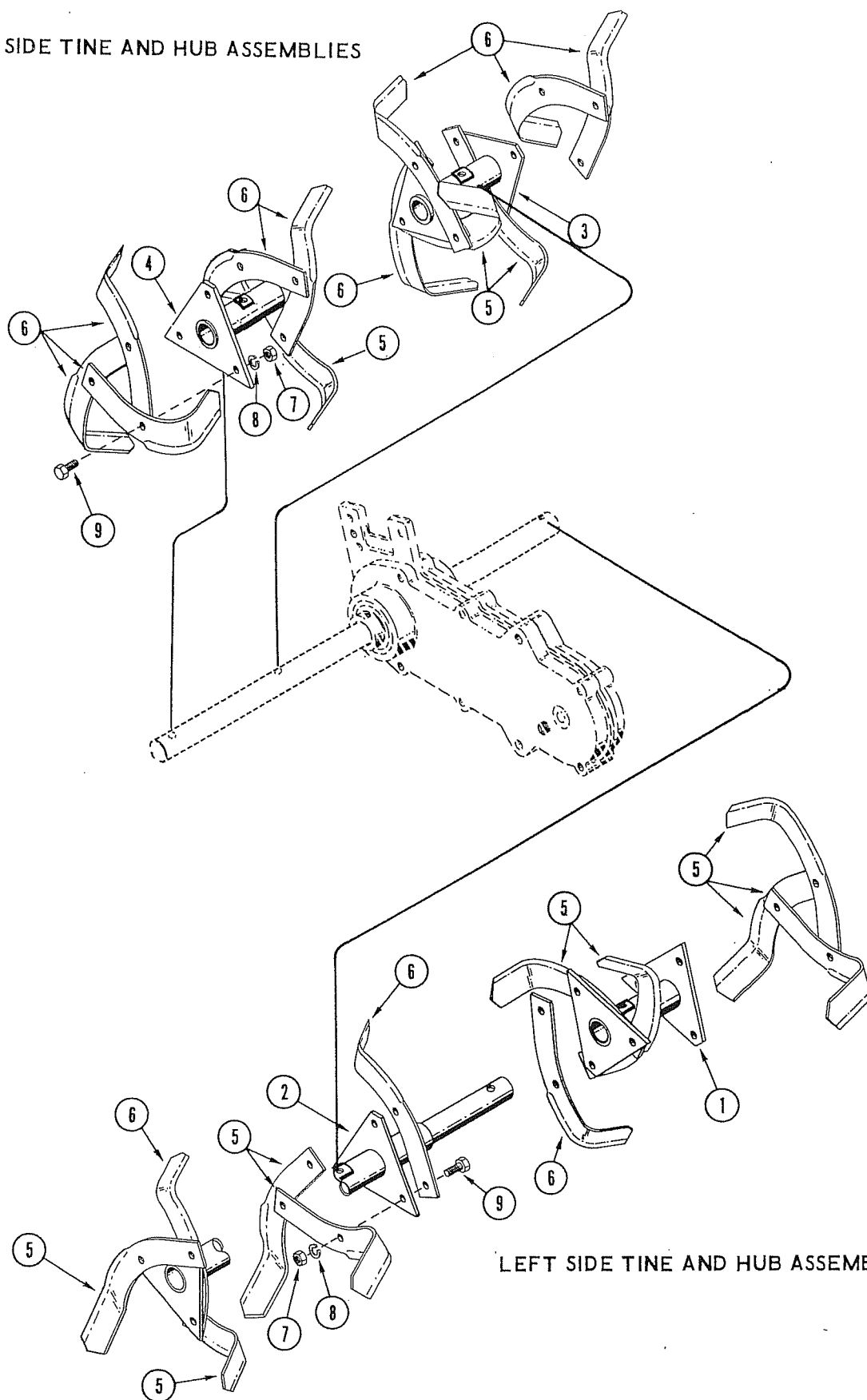
Hydraulic System	9-13
Motor, Hydraulic	11-13-15
Tiller Housing Assembly	5
Tine Assembly	7
Valve, Hydraulic	9-11



ROTARY TILLER ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14668	SHAFT - tiller (Includes sprocket)	1
2	C 14100	HOUSING - tiller, right hand	1
3	C 14101	HOUSING - tiller, left hand	1
4		CHAIN, roller, 56 links No. 50 roller (F70 and H70)	
		CHAIN USE:	
	B 12474	CHAIN - 50 links No. 50 roller chain	
	B 12477	CHAIN - 6 links No. 50 roller chain	
	B 12505	LINK - connecting No. 50 roller chain	
	B 12506	LINK - offset No. 50 roller chain	
	B 12507	LINK - roller No. 50 roller chain	
	B 12508	LOCK SPRING CLIPS - (Pkg. of 25) for No. 50 roller chain	
5	C 12523	SPROCKET - drive No. 50, 11 tooth (w/setscrew) (F70 and H70)	1
6	C 12515	GASKET - tiller housing.	1
7	C 10405	BEARING - tiller shaft.	2
8	B 18329	COLLAR - w/setscrew.	2
9	113- 219	BOLT - 3/8" x 2" NC hex ZP.	6
10	132- 47	PIN - cotter.	4
11	C 21660	PIN - clevis 7/16" x 2-1/2"	4
12	C 14070	BEARING - needle, motor shaft.	1
13	C 14107	BEARING - needle, motor shaft.	1
14	221- 43	PLUG - housing 3/8" NPT slotted headless.	1
15	61- 612	CAP SCREW - 3/8" x 3/4" NC socket head.	4
16	C 14917	SHIELD - tiller.	1
17	C 11451	BRACKET - angle mounting.	4
18	111- 517	BOLT - 1/2" x 1" rd. hd. square neck NC ZP.	4
19	129- 105	NUT - 1/2" NC hex ZP.	6
20	192- 23	LOCKWASHER - 1/2" ZP	6
21	C 14568	PIN - drawbar	2
22	C 14637	HITCH - tiller.	1
23	C 12528	TINE - retarding.	1
24	113- 208	BOLT - 3/8" x 1-1/4" NC hex ZP.	2
25	129- 103	NUT - 3/8" NC hex ZP.	2
26	192- 21	LOCKWASHER - 3/8" ZP	8
27	C 14672	DRAG - tiller shield	1
28	C 14918	SHIELD - extension	1
29	C 14623	DRAG - extension	1
30	195- 524	WASHER - 3/8" plain.	2
31	132- 308	PIN - cotter 3/32" x 3/4" ZP	2
32	113- 102	BOLT - 5/16" x 3/4" NC hex ZP.	2
33	192- 20	LOCKWASHER - 5/16"	5
34	129- 102	NUT - 5/16" NC hex ZP.	5
35	111- 202	BOLT - 5/16" x 3/4" Rd. Hd. square neck.	3
36	113- 440	BOLT - 1/2" x 4-1/4" NC hex ZP.	2
37	C 22613	SPROCKET - drive No. 50, 13 tooth (w/setscrew) (J70)	1
38	NSS	CHAIN - roller, 57 links (J70) Use:	1
	B 12474	CHAIN - roller, 50 links No. 50 (includes connector)	1
	O 2032FH	CHAIN - roller, 7 links No. 50 (includes connector)	1
	B 12505	CONNECTOR - No. 50.	1
	B 12506	OFFSET - No. 50.	1
	321- 4381	DECAL - "Warning Spinning Blade"	1
	321- 1571	DECAL - "CASE"	1

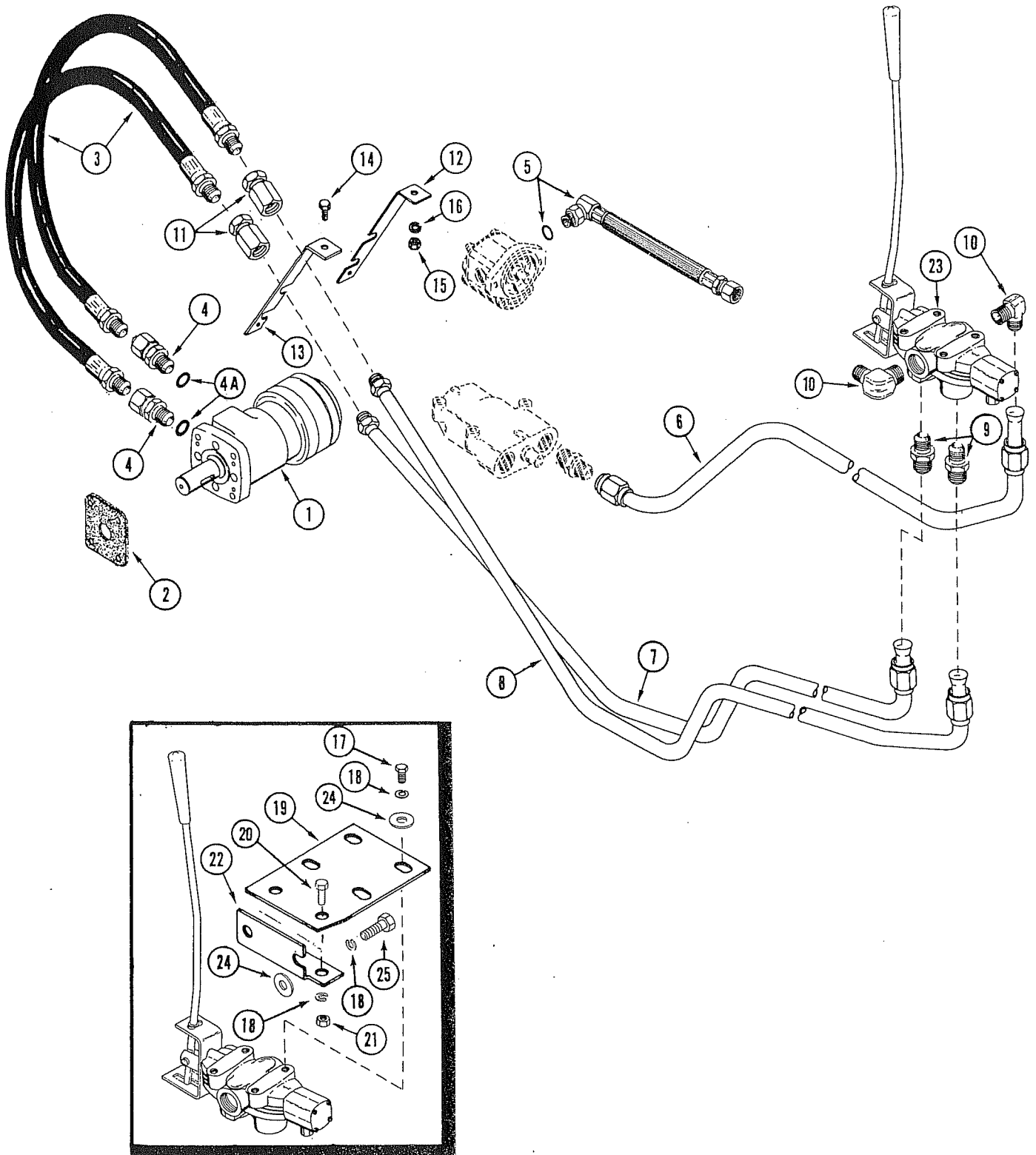
RIGHT SIDE TINE AND HUB ASSEMBLIES



LEFT SIDE TINE AND HUB ASSEMBLIES

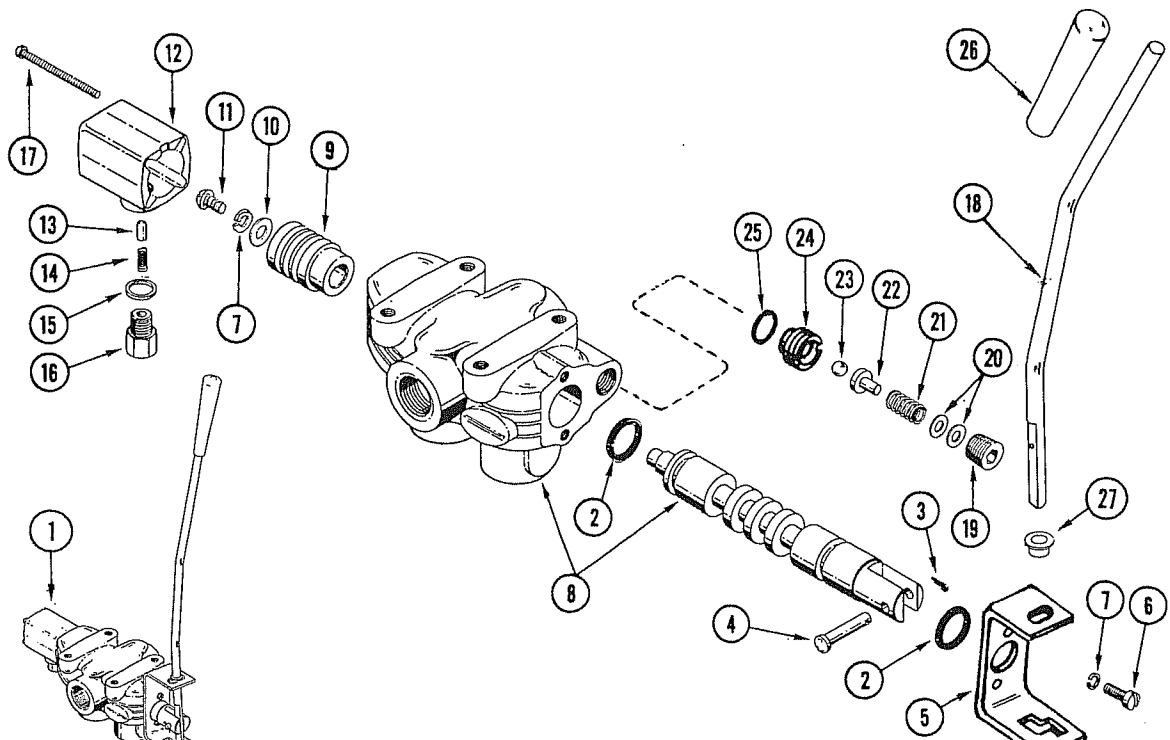
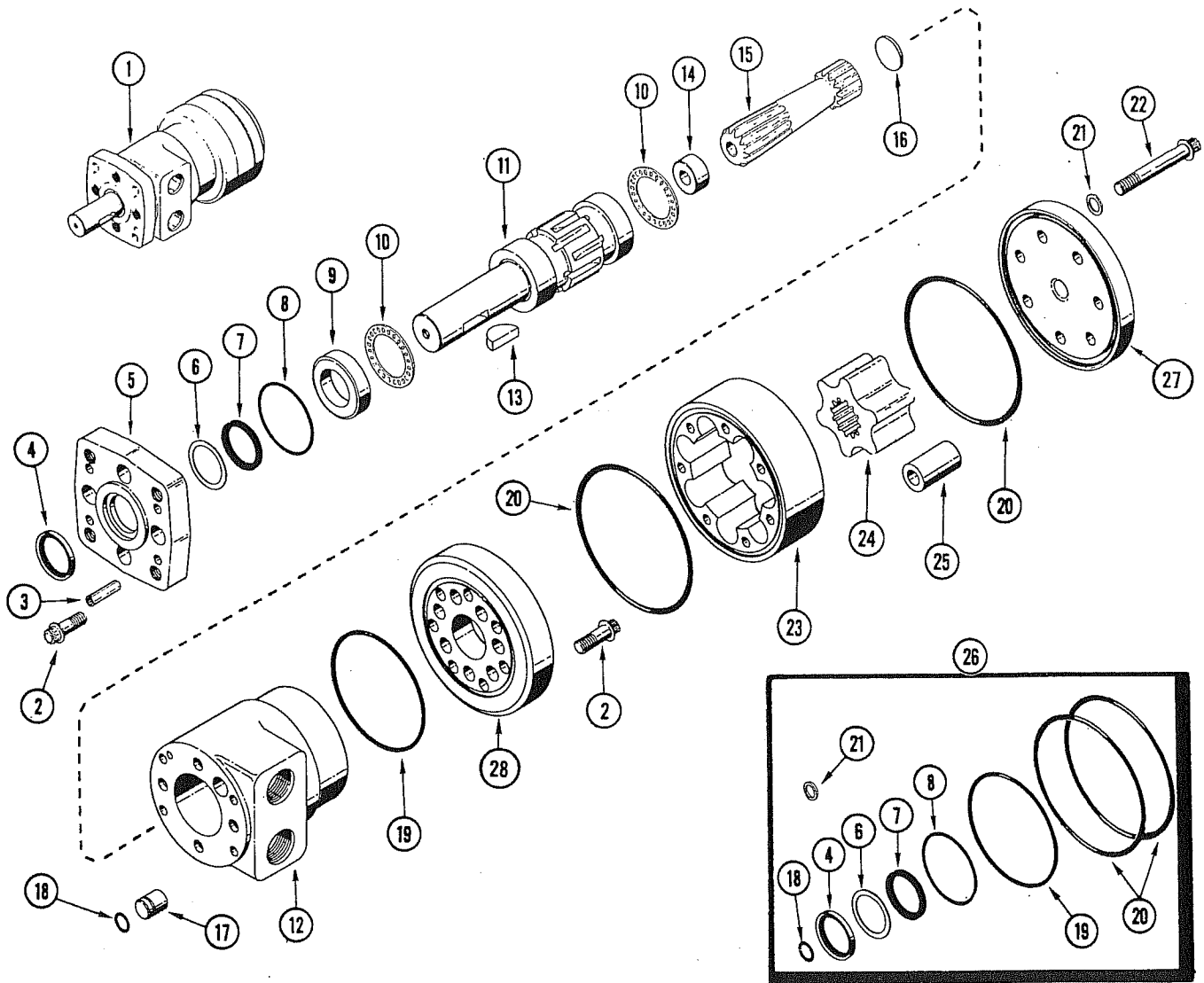
ROTARY TILLER TINE ASSEMBLY

REF.	PART NO.		DESCRIPTION	REQ'D
1	C	14674	HUB - left outside	1
2	C	14677	EXTENSION - shaft	1
3	C	14669	HUB - right inside	1
4	C	14667	HUB - right outside	1
5	C	13833	TINE - right	12
6	C	13834	TINE - left	12
7	129-	103	NUT - 3/8" NC hex ZP	24
8	192-	21	LOCKWASHER - 3/8" ZP	24
9	113-	208	BOLT - 3/8" x 1-1/2" NC hex ZP	24



F70 TILLER HYDRAULIC SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14781	MOTOR - hydraulic (Repairs see page 11)	1
2	A 70128	GASKET - hydraulic motor	1
3	C 14676	HOSE - hydraulic motor to valve tubes	2
4	218- 5251	ADAPTER - union 7/8" "O" ring x 1/2" NPT	2
4A	218- 5007	"O" RING - 5/8" for 218-5251 fitting	2
5	C 16463	HOSE - pump to valve	1
6	C 14588	TUBE - tractor valve to tiller valve	1
7	C 14587	TUBE - tiller valve to motor tube	1
8	C 14586	TUBE - tiller valve to motor tube	1
9	218- 445	FITTING - straight (1/2" NPT x 5/8" tube)	2
10	218- 494	ELBOW - 90° 3/4" NPT x 5/8" tube	2
11	218- 911	UNION - adapter 1/2" NPT x 1/2" NPT	2
12	C 14889	BRACKET - tube lower	1
13	C 14890	BRACKET - tube upper	1
14	113- 3	BOLT - 1/4" x 3/4" NC hex ZP	2
15	129- 101	NUT - 1/4" NC hex ZP	2
16	192- 19	LOCKWASHER - 1/4" ZP	2
17	113- 206	BOLT - 3/8" x 3/4" NC hex ZP	4
18	192- 21	LOCKWASHER - 3/8" ZP	8
19	C 14279	SUPPORT - tiller valve	1
20	113- 207	BOLT - 3/8" x 1" NC hex ZP	2
21	129- 103	NUT - 3/8" NC hex ZP	2
22	C 14520	BRACKET - valve mounting (used on Model 444 only)	1
23	C 14772	VALVE - tiller control (Repairs page 11)	1
24	195- 524	WASHER - 3/8" plain	5
25	KO 234380	BOLT - special 3/8" x 1-13/32"	2



F70 ROTARY TILLER HYDRAULIC MOTOR

REF.	PART NO.	DESCRIPTION	REQ'D
1	C 14781	MOTOR - hydraulic	1
2	166- 524	SCREW - ferry cap 5/16" x 7/8" NF.	11
3	138- 134	PIN - roll 1/4" x 1"	4
4	NSS	SEAL - oil (See Ref. 26)	1
5	C 14785	PLATE - mounting	1
6	NSS	WASHER - back up (See Ref. 26)	1
7	NSS	QUAD RING - mounting plate (See Ref. 26)	1
8	NSS	"O" RING - mounting plate (See Ref. 26)	1
9	A 72030	RACE - output shaft.	1
10	A 72031	BEARING - thrust	2
	C 14789	SHAFT AND HOUSING ASSEMBLY (Consists of items 11 and 12)	1
11	NSS	SHAFT - output (Order C14789)	1
12	NSS	HOUSING - (Order C14789)	1
13	126- 24	KEY - Woodruff 1" x 1/4"	1
14	C 13973	SPACER - output shaft.	1
15	C 13961	COUPLING - drive	1
16	C 13962	SPACER - drive coupling.	1
17	A 72034	PLUG - housing.	1
18	NSS	"O" RING - housing plug (See Ref. 26)	1
19	NSS	"O" RING - housing to spacer plate (See Ref. 26)	1
20	NSS	"O" RING - spacer plate and end cap (See Ref. 26)	2
21	C 14301	WASHER - end cap.	7
22	166- 528	SCREW - ferry cap 5/16" x 1-3/4" NF	7
	C 14782	KIT - geroler.	1
23	NSS	HOUSING - geroler.	1
24	NSS	GEROLER	1
25	NSS	ROLLER.	6
26	C 14787	KIT - "O" ring and seal (Includes items 4, 6, 7, 8, 18, 19, 20 and 21)	1
27	C 14783	CAP - end.	1
28	C 14784	PLATE - spacer	1

F70 ROTARY TILLER HYDRAULIC CONTROL VALVE

1	C 14772	VALVE - tiller control	1
2	C 11891	SEAL - U-cup	2
3	132- 6	PIN - cotter 1/16" x 5/8"	1
4	36627	PIN - handle.	1
5	C 14651	BRACKET - handle	1
6	71- 410	SCREW - 1/4" x 5/8" NC fillister head	2
7	92- 4	LOCKWASHER - 1/4"	3
8	NSS	BODY AND SPOOL ASSEMBLY (Order C14772)	1
9	C 11895	ADAPTER - spool	1
10	95- 4	WASHER - plain 1/4"	1
11	75- 48	SCREW - 1/4" x 1/2" rd. hd. machine.	1
12	C 11893	BONNET - detent	1
13	C 11901	PIN - detent.	1
14	C 11892	SPRING - detent	1
15	C 11886	WASHER - detent spring.	1
16	C 11887	CAP - detent	1
17	169- 108	SCREW - bonnet 8-32 x 2-1/4" fillister head.	4
18	C 14280	LEVER - valve.	1
19	221- 842	PLUG - relief 3/8" NPT.	1
20	195- 515	WASHER - relief	2
21	O 4458CS	SPRING - relief	1
22	C 14327	SPACER - no relief	1
23	211- 11	BALL - relief 3/8"	1
24	C 11896	SEAT - relief	1
25	A 27891	"O" RING - relief seat.	1
26	A 37247	KNOB - hand throttle	1
27	C 12127	BUSHING - nylon	1

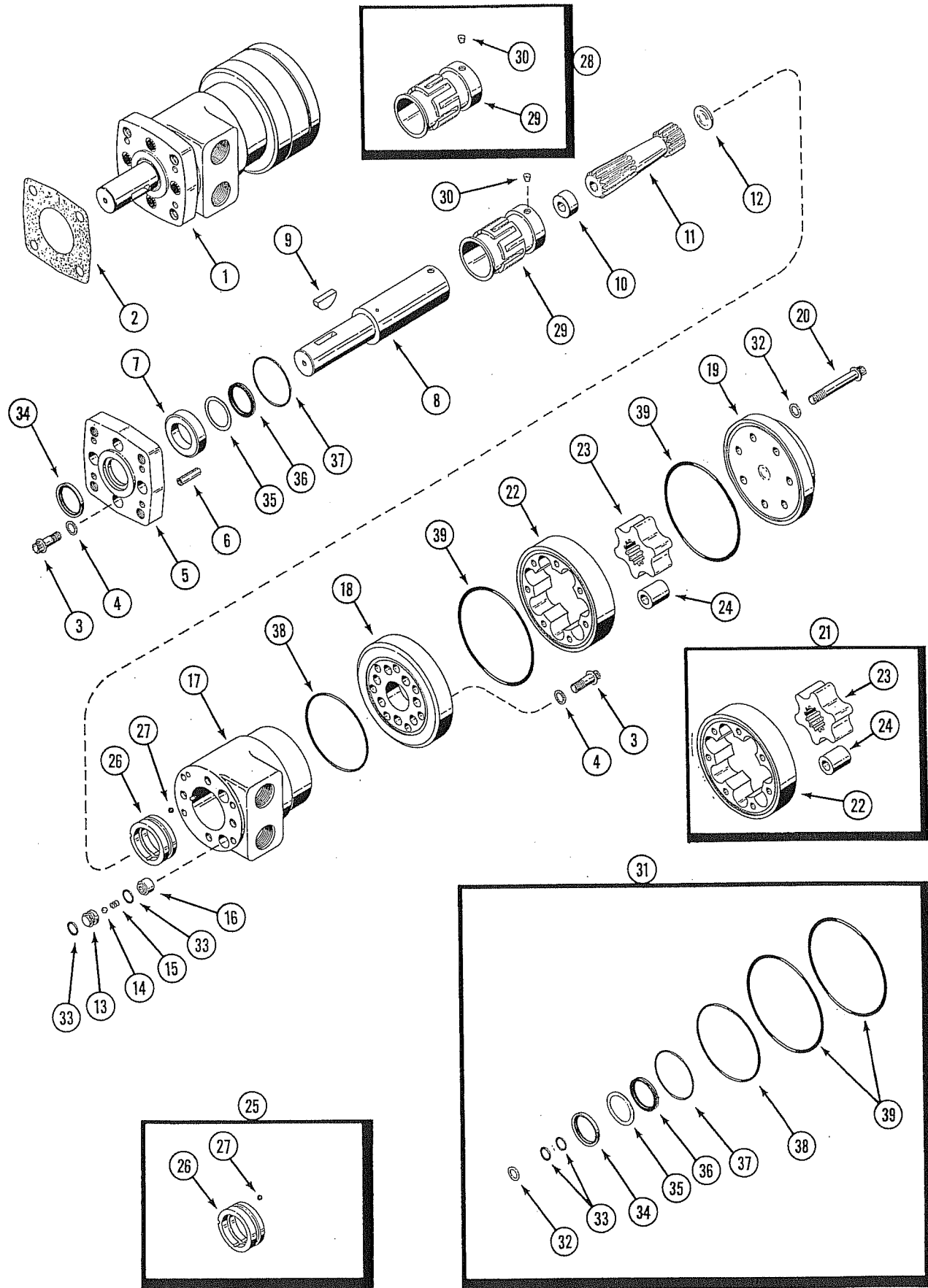
C24695 HYDRAULIC MOTOR

CHAR-LYNN NO. 103-1267-007

REF.	PART NO.	DESCRIPTION	REQ'D
	A 70128	GASKET - hyd. motor to tiller housing	1
1	C 24695	MOTOR - hydraulic drive	1
2	166- 528	SCREW - 5/16" - 24 NF, 12 pt. flange	7
3	S 221680	GEROLER ASSEMBLY	1
4	S 94546	COUPLING - drive	1
5	S 108176	SPACER - coupling, rear	1
6	S 108178	CAP - end	1
7	S 108184	PLATE - spacer	1
8	H 315721	PLATE - mounting	1
9	S 108186	RACE - bearing	1
10	C 24696	SHAFT - output	1
11	S 108188	HOUSING	1
12	S 108189	BEARING - thrust, needle	1
13	166- 524	SCREW - 5/16" - 24 NF, 12 pt. flange	11
14	192- 22	LOCKWASHER - 5/16"	7
15	C 13965	SEAL - "O" ring 3" x 1/16"	1
16	S 108190	SEAL - shaft	1
17	A 30825	SEAL - "O" ring 1/2" x 1/16"	1
18	S 94563	SEAL - "O" ring 3.775 x .070	2
19	A 17528	SEAL - "O" ring	1
20	H 757559	SEAL - dust	1
21	A 72034	PLUG - housing	1
22	S 108180	PLUG ASSEMBLY - includes "O" ring	1
23	126- 24	KEY - Woodruff 1" x 1/4"	1

H70 AND J70 TILLER HYDRAULIC SYSTEMS

1	C 24695	MOTOR - hydraulic drive (repairs above)	1
1	NSS	MOTOR - hydraulic drive (repairs page 15)	1
2	C 14676	HOSE - hyd. motor to valve tubes	2
3	218- 5251	FITTINGS - union 7/8" "O" ring x 1/2" NPT	2
4	218- 5007	"O" RING - 5/8" for 218-5251 fitting	2
5	218- 911	FITTING - union 1/2" NPT x 1/2" NPT (H70)	2



H70 AND J70 ROTARY TILLER HYDRAULIC MOTOR C17288

CHAR LYNN NO. 6366-48 (USE C24695 FOR SERVICE)

REF.	PART NO.	DESCRIPTION	REQ'D
1	NSS	MOTOR - hydraulic drive (order C24695)	1
2	A 70128	GASKET - hyd. motor to tiller housing	1
3	166- 524	SCREW - ferry cap 5/16 x 7/8"	11
4	192- 22	LOCKWASHER - 5/16" internal tooth	11
5	C 14785	PLATE - mounting	1
6	138- 134	PIN - roll 1/4 x 1"	4
7	C 17349	BEARING - thrust	1
8	C 17342	SHAFT - output	1
9	126- 24	KEY - woodruff 1 x 1/4"	1
10	C 13973	SPACER - coupling	1
11	C 13961	COUPLING - drive	1
12	C 13962	SPACER - coupling, rear	1
	A 43587	RETAINER ASSEMBLY - check ball	1
13	NSS	SEAT - ball	2
14	NSS	BALL	2
15	NSS	SPRING	2
16	NSS	RETAINER	2
17	C 17341	HOUSING	1
18	C 14784	PLATE - spacer	1
19	C 14783	CAP - end	1
20	166- 528	SCREW - ferry cap 5/16 x 1-3/4" NF	7
21	C 14782	KIT - geroler	1
22	NSS	HOUSING	1
23	NSS	GEROLER	1
24	NSS	ROLLER	6
25	C 17852	KIT - bushing and ball	1
26	NSS	BUSHING	1
27	NSS	BALL	1
28	C 17851	KIT - sleeve and pin	1
29	NSS	SLEEVE	1
30	NSS	PIN	1
31	C 17356	KIT - seal and "O" ring	1
32	NSS	WASHER - seal	7
33	NSS	SEAL - "O" ring	4
34	NSS	SEAL - oil	1
35	NSS	WASHER - back up	1
36	NSS	SEAL - quad ring	1
37	NSS	SEAL - "O" ring	1
38	NSS	SEAL - "O" ring	1
39	NSS	SEAL - "O" ring	2

NUMERICAL INDEX

PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.	PART NO.	PAGE NO.	REF. NO.
	36627	11	4	C	14637	5	22	61- 612 5 15
A	17528	13	19	C	14651	11	5	71- 410 11 6
A	27891	11	25	C	14667	7	4	75- 48 11 11
A	30825	13	17	C	14668	5	1	92- 4 11 7
A	37247	11	26	C	14669	7	3	95- 4 11 10
A	43587	15		C	14672	5	27	113- 3 9 14
A	70128	9	2	C	14674	7	1	111- 202 5 35
A	70128	13		C	14676	9	3	111- 517 5 18
A	70128	15	2	C	14676	13	2	113- 102 5 32
A	72030	11	9	C	14677	7	2	113- 206 9 17
A	72031	11	10	C	14772	9	23	113- 207 9 20
A	72034	11	17	C	14772	11	1	113- 208 5 24
A	72034	13	21	C	14781	9	1	113- 208 7 9
B	12474	5		C	14781	11	1	113- 219 5 9
B	12474	5		C	14782	11		113- 440 5 36
B	12477	5		C	14782	15	21	126- 24 11 13
B	12505	5		C	14783	11	27	126- 24 13 23
B	12505	5		C	14783	15	19	126- 24 15 9
B	12506	5		C	14784	11	28	129- 101 9 15
B	12506	5		C	14784	15	18	129- 102 5 34
B	12507	5		C	14785	11	5	129- 103 5 25
B	12508	5		C	14785	15	5	129- 103 7 7
B	18329	5	8	C	14787	11	26	129- 103 9 21
C	10405	5	7	C	14789	11		129- 105 5 19
C	11451	5	17	C	14889	9	12	132- 6 11 3
C	11886	11	15	C	14890	9	13	132- 47 5 10
C	11887	11	16	C	14917	5	16	132- 308 5 31
C	11891	11	2	C	14918	5	28	138- 134 11 3
C	11892	11	14	C	16463	9	5	138- 134 15 6
C	11893	11	12	C	17341	15	17	166- 524 11 2
C	11895	11	9	C	17342	15	8	166- 524 13 13
C	11896	11	24	C	17349	15	7	166- 524 15 3
C	11901	11	13	C	17356	15	31	166- 528 11 22
C	12127	11	27	C	17851	15	28	166- 528 13 2
C	12515	5	6	C	17852	15	25	166- 528 15 20
C	12523	5	5	C	21660	5	11	169- 108 11 17
C	12528	5	23	C	22613	5	37	192- 19 9 16
C	13833	7	5	C	24695	13	1	192- 20 5 33
C	13834	7	6	C	24695	13	1	192- 21 5 26
C	13961	11	15	C	24696	13	10	192- 21 7 8
C	13961	15	11	H	315721	13	8	192- 21 9 18
C	13962	11	16	H	757559	13	20	192- 22 13 14
C	13962	15	12	KO	234380	9	25	192- 22 15 4
C	13965	13	15	O	2032-FH	5		192- 23 5 20
C	13973	11	14	O	4458-CS	11	21	195- 515 11 20
C	13973	15	10	S	94546	13	4	195- 524 5 30
C	14070	5	12	S	94563	13	18	195- 524 9 24
C	14100	5	2	S	108176	13	5	211- 11 11 23
C	14101	5	3	S	108178	13	6	218- 445 9 9
C	14107	5	13	S	108180	13	22	218- 494 9 10
C	14279	9	19	S	108184	13	7	218- 911 9 11
C	14280	11	18	S	108186	13	9	218- 911 13 5
C	14301	11	21	S	108188	13	11	218- 5007 9 4A
C	14327	11	22	S	108189	13	12	218- 5007 13 4
C	14520	9	22	S	108190	13	16	218- 5251 9 4
C	14568	5	21	S	221680	13	3	218- 5251 13 3
C	14586	9	8	HARDWARE CODE NUMBERS				221- 43 5 14
C	14587	9	7					221- 842 11 19
C	14588	9	6					321- 1571 5
C	14623	5	29					321- 4381 5

