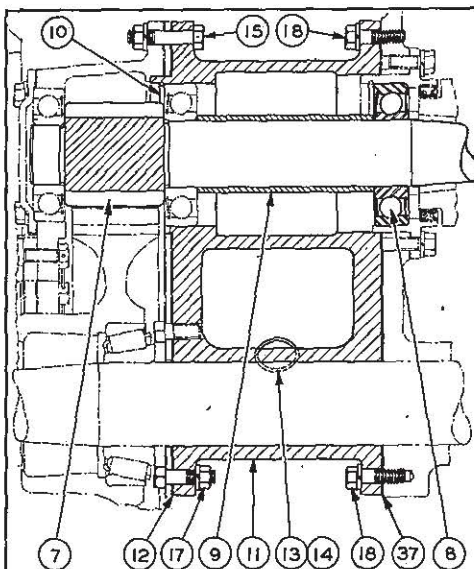
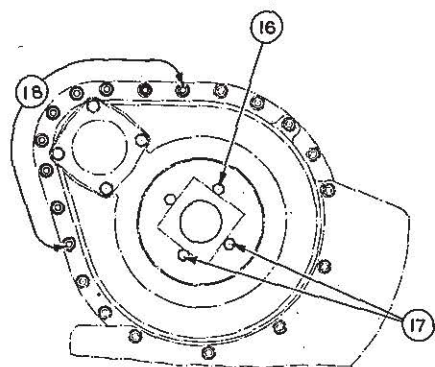
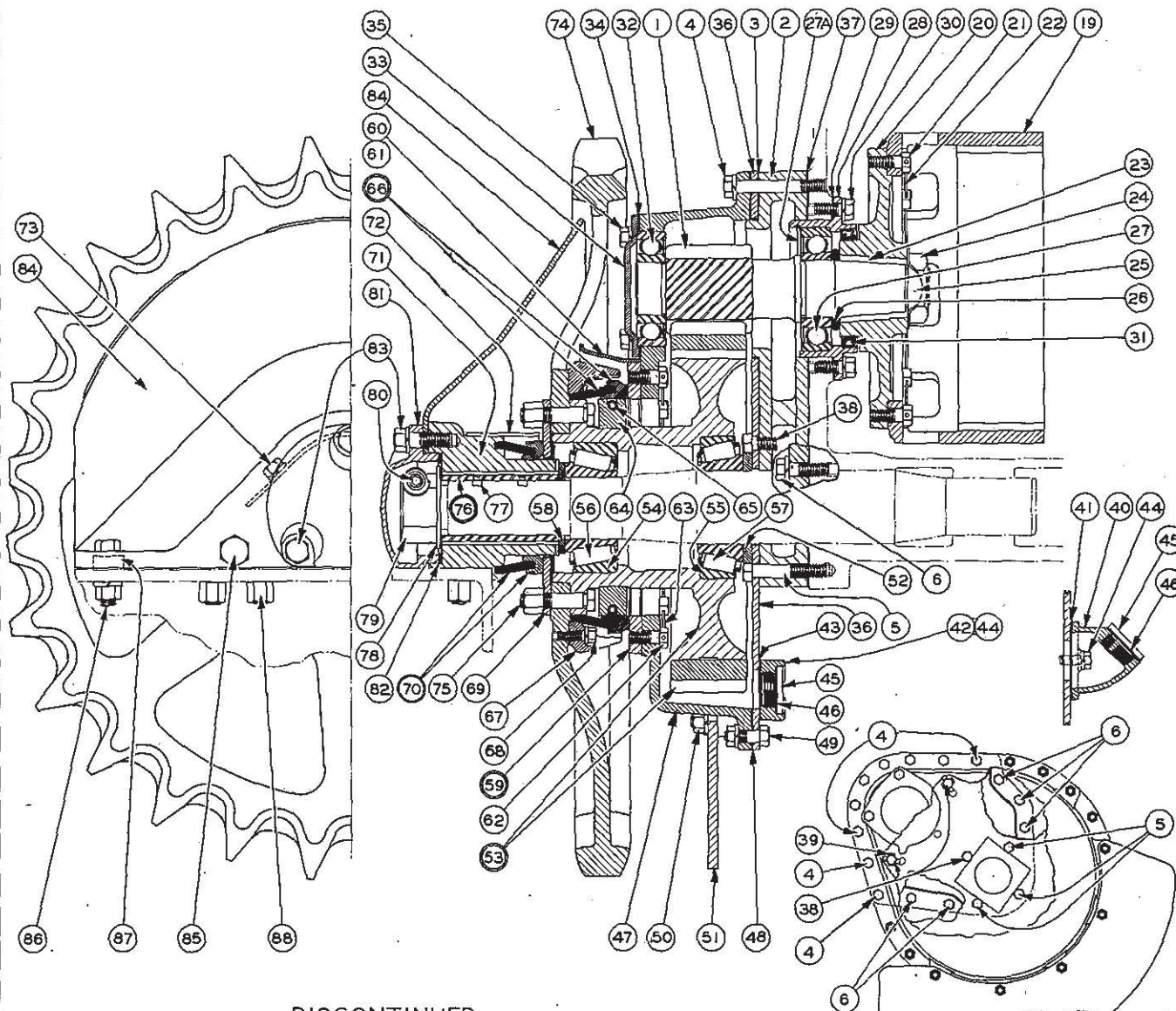




SPECIAL PARTS USED ON 63" TREAD MODEL



BOLT DIAGRAM FOR 63" TREAD MODEL



DISCONTINUED

BOLT DIAGRAM FOR 52" TREAD MODEL

FINAL DRIVE

<u>Item</u>	<u>Part Number</u>	<u>Qty.</u>	<u>Name</u>	
<u>FIRST TYPE</u> - Used on tractors prior to HD7-498 (See Plate 1149)				
1	041873	2	PINION, final drive (12" long) (When stock is exhausted order PINION 050887)	Used on 52" tread model only
2 {	041875	1	SPACER, left final drive	
	041876	1	SPACER, right final drive	
3	036076	2	GASKET, final drive side plate to spacer	
4 {	045253	18	CAPSCREW, hex head, 1/2" NC x 4"	
	910806	18	LOCKWASHER, heavy, 1/2"	
5 {	041877	6	CAPSCREW, hex head, 1/2" NC x 3"	
	910806	6	LOCKWASHER, heavy, 1/2"	
6 {	035236	10	CAPSCREW, hex head, 1/2" NC x 1-3/4"	
	910806	10	LOCKWASHER, heavy, 1/2"	
7	031899	2	PINION, final drive (17-1/2" long) (When stock is exhausted order PINION 050880)	Used on 63" tread model only
8	042857	2	BEARING, ball, final drive pinion - intermediate (ND #77312)	
9	036071	2	SPACER, final drive pinion bearings	
10	036645	2	RING, snap, final drive pinion intermediate bearing	
11 {	038275	1	SPACER, final drive - left	
	038276	1	SPACER, final drive - right	
12	036076	2	GASKET, final drive spacer to side plate	
13	035250	2	PLUG, drain, final drive spacer (countersunk head, 1-1/2" NF)	
14 {	035249	2	GASKET, final drive spacer drain plug	
	035892	18	CAPSCREW, hex head, 1/2" NF x 2-1/2"	
15 {	911043	18	NUT, hex, 1/2" NF	
	910806	18	LOCKWASHER, heavy, 1/2"	
16 {	035221	2	CAPSCREW, hex head, 1/2" NC x 1"	
	035073	4	CAPSCREW, hex head, 1/2" NF x 1-3/4"	
17 {	911043	4	NUT, hex, 1/2" NF	
	910806	4	LOCKWASHER, heavy, 1/2"	
18 {	035236	34	CAPSCREW, hex head, 1/2" NC x 1-3/4"	
	910806	34	LOCKWASHER, heavy, 1/2"	
19	035687	2	DRUM, brake	
20	035688	2	HUB, brake drum	
21	035689	16	CAPSCREW, brake drum hub (drilled hex head, 1/2" NF x 1-3/8") (When stock is exhausted, order CAPSCREW 035018)	
22	037000	8	WIRE, locking, 1/16" x 16"	
23	035705	4	KEY, brake drum hub	
24	035078	2	NUT, final drive pinion	
25	033999	2	WASHER, locking, final drive pinion nut	
26	033007	2	SEAL, final drive pinion (Neoprene)	
27	042856	2	BEARING, ball, final drive pinion - inner (ND #7312)	
27A	036645	2	RING, snap, final drive pinion inner bearing	
28 {	041769	1	CAGE, left final drive pinion inner bearing	
	041770	1	CAGE, right final drive pinion inner bearing	
29	035232	2	GASKET, final drive pinion inner bearing cage	
30 {	035061	10	CAPSCREW, hex head, 1/2" NC x 1-1/4"	
	910806	10	LOCKWASHER, heavy, 1/2"	
31	041798	2	SEAL, oil, brake drum hub	
32	042855	2	BEARING, ball, final drive pinion - outer (ND #7311)	
33	035807	2	COVER, final drive pinion outer bearing	
34	037996	2	GASKET, final drive pinion outer bearing cover	
35 {	035220	8	CAPSCREW, hex head, 1/2" NC x 1-1/8"	
	910806	8	LOCKWASHER, heavy, 1/2"	
36	041782	2	PLATE, side, final drive	
37	036076	2	GASKET, final drive spacer to transmission case	
38	035221	6	CAPSCREW, hex head, 1/2" NC x 1"	
39	035196	4	LOCK, capscrow	
40	035264	2	FLANGE, final drive filling	
41	035252	2	GASKET, final drive filling flange	
42	035263	2	FLANGE, final drive drain	
43	035251	2	GASKET, final drive drain flange	
44 {	036034	8	CAPSCREW, hex head, 3/8" NF x 1"	
	910804	8	LOCKWASHER, heavy, 3/8"	
45	035250	4	PLUG, drain and filling, final drive (countersunk head, 1-1/2" NF)	
46	035249	4	GASKET, final drive drain and filling plug	
47	033105	2	CASE, gear, final drive	
48	035257	2	GASKET, final drive gear case to side plate	
49 {	035013	18	CAPSCREW, hex head, 1/2" NF x 1-1/2"	
	911043	18	NUT, hex, 1/2" NF	
	910806	18	LOCKWASHER, heavy, 1/2"	
50 {	035278	10	CAPSCREW, hex head, 1/2" NF x 2-3/4"	
	035892	2	CAPSCREW, hex head, 1/2" NF x 2-1/2"	
	911043	12	NUT, hex, 1/2" NF	
	910806	12	LOCKWASHER, heavy, 1/2"	
51	034324	2	GUARD, dirt, final drive	
52	038162	2	SPACER, final drive gear inner bearing	
53	031897	2	GEAR ASSEMBLY, final drive (1 GEAR, 1 HUB, 3 KEYS)	
54	210724	2	CUP, final drive gear outer bearing (Timken #6320)	
55	042877	2	CUP, final drive gear inner bearing (Timken #742)	
56	210725	2	ROLLER ASSEMBLY, final drive gear outer bearing (Timken #6379)	
57	042879	2	ROLLER ASSEMBLY, final drive gear inner bearing (Timken #748S)	

(Continued)

FINAL DRIVE (Continued)

<u>Item</u>	<u>Part Number</u>	<u>Qty.</u>	<u>Name</u>
<u>FIRST TYPE</u> - Used on tractors prior to HD7-498 (Continued) (See Plate 1149)			
58	035700	2	WASHER, thrust, final drive shaft bracket
59	033020	2	PLATE ASSEMBLY, final drive inner seal (Includes items 60 and 61)
60	033048	2	GUARD, final drive inner seal plate
61	033200	12	SCREW, cross-recessed head, tapping, 1/4" NC x 3/4"
62	035772	12	CAPSCREW, final drive inner seal (drilled hex head, 1/2" NC x 1-1/4")
63	036999	2	WIRE, locking, 1/16" x 36"
64	033082	2	RING, guiding, final drive inner seal (2 halves)
65	033015	2	SPRING, final drive inner seal guiding ring
66	043453	2	SEAL ASSEMBLY, final drive - inner (1 RING, 1 BOOT)
67	033019	2	RING, retaining, final drive inner seal boot
68	013058	14	CAPSCREW, hex head, 3/8" NC x 1-1/4"
	910804	14	LOCKWASHER, heavy, 3/8"
69	033016	2	PLATE, final drive outer seal
70	043454	2	SEAL ASSEMBLY, final drive - outer (1 RING, 1 BOOT)
71	034623	1	BRACKET, left final drive shaft
	034624	1	BRACKET, right final drive shaft
72	033008	2	SHED, dirt, final drive outer seal
73	035221	4	CAPSCREW, hex head, 1/2" NC x 1"
	910806	4	LOCKWASHER, heavy, 1/2"
	047610	2	SPROCKET, track (standard)
74	033162	2	SPROCKET, track (for snow)
	036209	20	BOLT, track sprocket (5/8" NF x 2-3/4")
75	072366	20	NUT, hex, high, 5/8" NF
76	035731	2	SPACER ASSEMBLY, final drive shaft bracket (Includes item 77) (When stock is exhausted order 1 SPACER ASSEMBLY 049640 and 1 WASHER 049619)
77	035708	4	KEY, final drive shaft bracket spacer
78	033620	2	WASHER, retaining, final drive shaft bracket
79	033668	2	NUT, final drive shaft
80	033364	2	SCREW, final drive shaft nut
81	034625	2	COVER, final drive shaft
82	034627	2	GASKET, final drive shaft cover
83	036707	6	CAPSCREW, hex head, 5/8" NC x 1-3/4"
	910808	6	LOCKWASHER, heavy, 5/8"
84	034626	2	GUARD, track sprocket
85	070109	4	CAPSCREW, hex head, 3/4" NC x 1-1/2"
	910809	4	LOCKWASHER, heavy, 3/4"
	035248	4	CAPSCREW, hex head, 5/8" NF x 2-1/4"
86	911044	4	NUT, hex, 5/8" NF
	910808	4	LOCKWASHER, heavy, 5/8"
87	033207	4	SPACER, track sprocket guard
	035229	2	CAPSCREW, hex head, 5/8" NF x 2"
	013467	8	CAPSCREW, hex head, 5/8" NF x 3" (Use CAPSCREW 035541 on tractors with late style truck frame outer CHANNEL)
88	072366	10	NUT, hex, high, 5/8" NF

NOTE: Also see "FINAL DRIVE SEAL CHANGEOVER" Listed on page 72

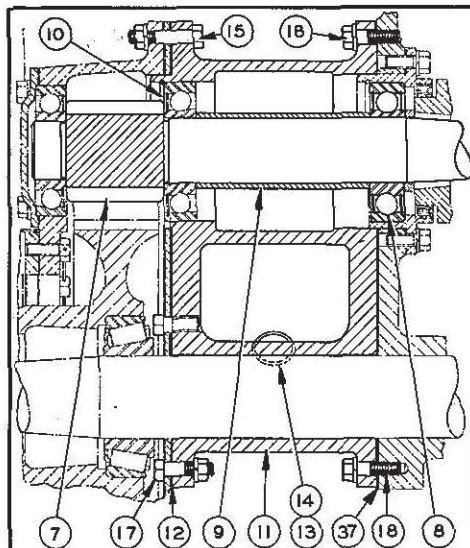
SECOND TYPE - Used on tractors after HD7-497 (See Plate 1150)

1	041873	2	PINION, final drive (12" long) (Discontinued. When stock is exhausted order PINION 050887)	Used on 52" tread model only
	050887	2	PINION, final drive (12" long) (Replaced PINION 041873 and is completely interchangeable)	
2	041875	1	SPACER, left final drive	
	041876	1	SPACER, right final drive	
3	036076	2	GASKET, final drive spacer to transmission case	
	045253	18	CAPSCREW, hex head, 1/2" NC x 4"	
4	910806	18	LOCKWASHER, heavy, 1/2"	
	041877	6	CAPSCREW, hex head, 1/2" NC x 3"	
5	910806	6	LOCKWASHER, heavy, 1/2"	
	035236	10	CAPSCREW, hex head, 1/2" NC x 1-3/4"	
6	910806	10	LOCKWASHER, heavy, 1/2"	Used on 63" tread model only
	031899	2	PINION, final drive (17-1/2" long) (Discontinued. When stock is exhausted order PINION 050880)	
7	050880	2	PINION, final drive (17-1/2" long) (Replaced PINION 031899 and is completely interchangeable)	
8	042857	2	BEARING, ball, final drive pinion - intermediate (ND #77312)	
9	036071	2	SPACER, final drive pinion bearings	
10	036645	2	RING, snap, final drive pinion intermediate bearing	
11	038275	1	SPACER, left final drive	
	038276	1	SPACER, right final drive	
12	036076	2	GASKET, final drive spacer to side plate	
13	035250	2	PLUG, drain, final drive spacer (countersunk head, 1-1/2" NF)	
14	035249	2	GASKET, final drive spacer drain plug	(Continued)
	035068	18	CAPSCREW, hex head, 1/2" NF x 2-1/4"	
15	911043	18	NUT, hex, 1/2" NF	
	910806	18	LOCKWASHER, heavy, 1/2"	
16	035221	2	CAPSCREW, hex head, 1/2" NC x 1"	

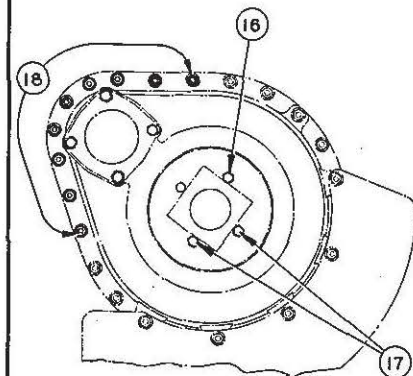
FINAL DRIVE (Continued)

<u>Item</u>	<u>Part Number</u>	<u>Qty.</u>	<u>Name</u>	
<u>SECOND TYPE</u> - Used on tractors after HD7-497 (Continued) (See Plate 1150)				
17	035073	4	CAPSCREW, hex head, 1/2" NF x 1-3/4"	} Used on 63" tread model only
	911043	4	NUT, hex, 1/2" NF	
	910806	4	LOCKWASHER, heavy, 1/2"	
18	035236	34	CAPSCREW, hex head, 1/2" NC x 1-3/4"	
	910806	34	LOCKWASHER, heavy, 1/2"	
19	035687	2	DRUM, brake	
20	035688	2	HUB, brake drum	
21	035689	16	CAPSCREW, brake drum hub (drilled hex head, 1/2" NF x 1-3/8") (Discontinued. When stock is exhausted order CAPSCREW 035018)	
	035018	16	CAPSCREW, hex head, 1/2" NF x 1-1/2" (Requires no lockwire)	
22	037000	8	WIRE, locking, 1/16" x 16" (Discontinued. Used with CAPSCREW 035689 only)	
23	035705	4	KEY, brake drum hub	
24	035078	2	NUT, final drive pinion	
25	033999	2	WASHER, locking, final drive pinion nut, 3-1/2" O.D. (Used on tractors prior to HD7-5810)	
	031202	3	WASHER, locking, final drive pinion nut, 4" O.D. (Used on tractors after HD7-5809)	
26	033007	2	SEAL, final drive pinion (neoprene)	
27	042856	2	BEARING, ball, final drive pinion - inner (ND #7312)	
27A	036645	2	RING, snap, final drive pinion inner bearing	
28	041769	1	CAGE, left final drive pinion inner bearing	
	041770	1	CAGE, right final drive pinion inner bearing	
29	035232	2	GASKET, final drive pinion inner bearing cage	
30	035061	10	CAPSCREW, hex head, 1/2" NC x 1-1/4"	
	910806	10	LOCKWASHER, heavy, 1/2"	
31	041798	2	SEAL, oil, brake drum hub	
32	042855	2	BEARING, ball, final drive pinion - outer (ND #7311)	
33	035807	2	COVER, final drive pinion outer bearing	
34	037996	2	GASKET, final drive pinion outer bearing cover	
35	035220	8	CAPSCREW, hex head, 1/2" NC x 1-1/8"	
	910806	8	LOCKWASHER, heavy, 1/2"	
36	041782	2	PLATE, side, final drive	
37	036076	2	GASKET, final drive spacer to transmission case	
38	035221	6	CAPSCREW, hex head, 1/2" NC x 1"	
39	035196	4	LOCK, capscrow	
40	035264	2	FLANGE, final drive filling	
41	035252	2	GASKET, final drive filling flange	
42	035263	2	FLANGE, final drive drain	
43	035251	2	GASKET, final drive drain flange	
44	036034	8	CAPSCREW, hex head, 3/8" NF x 1"	
	910804	8	LOCKWASHER, heavy, 3/8"	
45	035250	4	PLUG, drain and filling, final drive (countersunk head, 1-1/2" NF)	
46	035249	4	GASKET, final drive drain and filling plug	
47	042934	2	CASE, gear, final drive	
48	035257	2	GASKET, final drive gear case to side plate	
49	035018	18	CAPSCREW, hex head, 1/2" NF x 1-1/2"	
	911043	18	NUT, hex, 1/2" NF	
	910806	18	LOCKWASHER, heavy, 1/2"	
50	035278	10	CAPSCREW, hex head, 1/2" NF x 2-3/4"	
	035892	2	CAPSCREW, hex head, 1/2" NF x 2-1/2"	
	911043	12	NUT, hex, 1/2" NF	
51	910806	12	LOCKWASHER, heavy, 1/2"	
	034324	2	GUARD, dirt, final drive (Used on tractors prior to HD7-1103)	
52	044427	2	GUARD, dirt, final drive (Used on tractors after HD7-1102)	
	038162	2	SPACER, final drive gear inner bearing	
53	031897	2	GEAR ASSEMBLY, final drive (1 GEAR, 1 HUB, 3 KEYS) (Used on tractors prior to HD7-549. Order 1 GEAR ASSEMBLY 043506, 2 CLAMPS 042917, 2 CAPSCREWS 035280, 2 NUTS 911053, 2 cotter PINS 900801, and 10 BOLTS 043504)	
	043506	2	GEAR ASSEMBLY, final drive (1 GEAR, 1 HUB, 3 KEYS) (Used on tractors after HD7-548)	
54	210724	2	CUP, final drive gear outer bearing (Timken #6320)	
55	042877	2	CUP, final drive gear inner bearing (Timken #742)	
56	210725	2	ROLLER ASSEMBLY, final drive gear outer bearing (Timken #6379)	
57	042879	2	ROLLER ASSEMBLY, final drive gear inner bearing (Timken #748-S)	
58	035700	2	WASHER, thrust, final drive shaft bracket (Used on tractors prior to HD7-6000)	
	049619	2	WASHER, thrust, final drive shaft bracket (Used on tractors after HD7-5999)	
59	042914	2	GUARD, dirt, final drive inner seal	
60	035244	12	CAPSCREW, hex head, 3/8" NC x 3/4"	
	910804	12	LOCKWASHER, heavy, 3/8"	
60A	033082	2	RING, guiding, final drive inner seal (two halves)	} Used on tractors prior to HD7-549
60B	033015	2	SPRING, final drive inner seal guiding ring	
61	042917	4	CLAMP, retaining, track sprocket bolt (half only)	} Used on tractors after HD7-548
62	035280	4	CAPSCREW, hex head, 3/8" NF x 2"	
	911053	4	NUT, hex, castle, 3/8" NF	
	900801	4	PIN, cotter, 3/32" x 3/4"	
63	042858	2	BOOT, final drive inner seal	
64	042908	2	DRIVE ASSEMBLY, final drive inner seal (1 PLATE, 12 PINS, 1 WASHER, 12 SPRINGS) (Used on tractors prior to HD7-6803. When stock is exhausted order 1 DRIVE ASSEMBLY 049696 and 1 RING 049688)	
	049696	2	DRIVE ASSEMBLY, final drive inner seal (1 PLATE, 12 PINS, 1 WASHER, 12 SPRINGS) (Used on tractors after HD7-6802)	

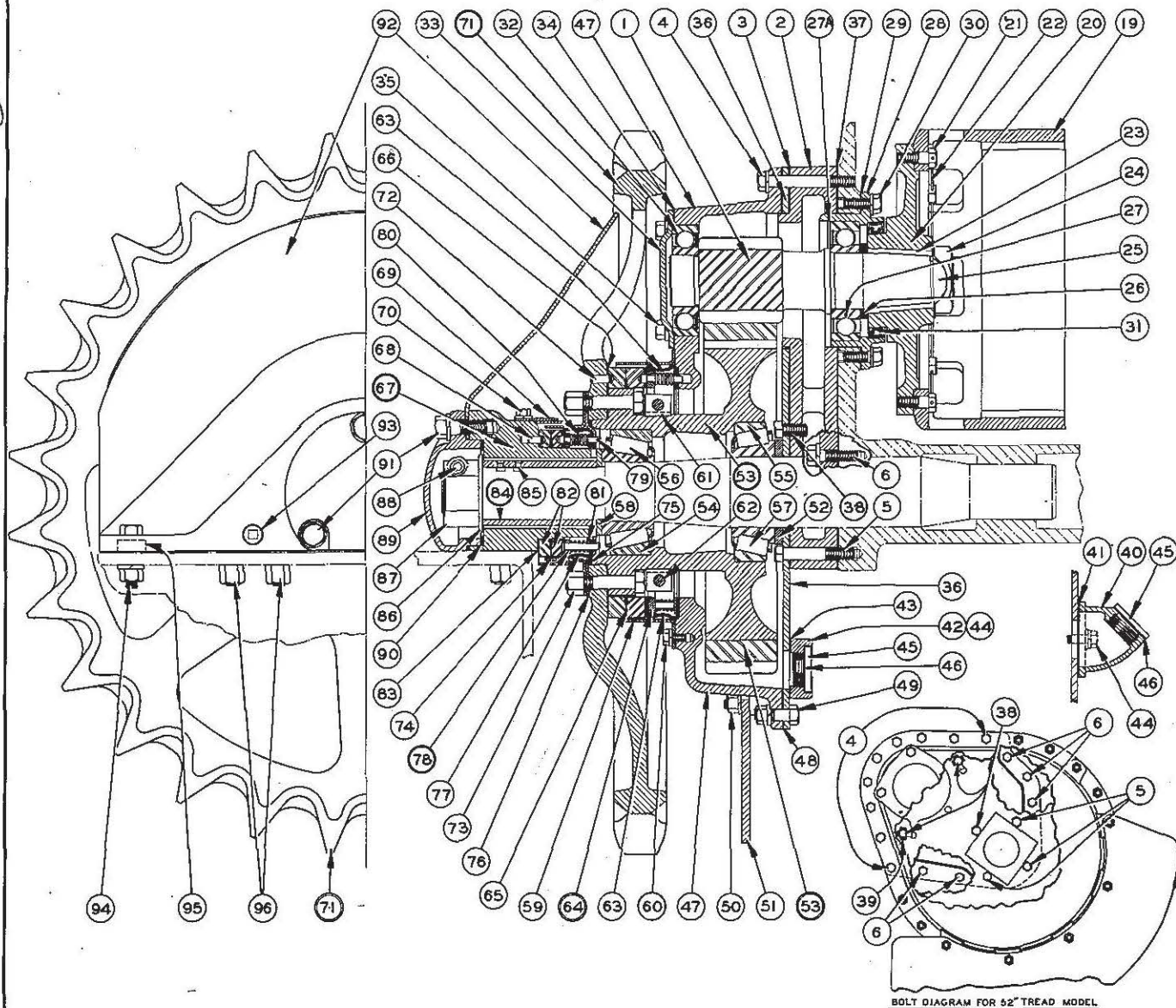
(Continued)



SPECIAL PARTS USED ON 63" TREAD MODEL



BOLT DIAGRAM FOR 63" TREAD MODEL



BOLT DIAGRAM FOR 52" TREAD MODEL

PLATE 1150 — FINAL DRIVE (SECOND TYPE)

FINAL DRIVE (Continued)

<u>Item</u>	<u>Part Number</u>	<u>Qty.</u>	<u>Name</u>
<u>SECOND TYPE</u> - Used on tractors after HD7-497 (Continued) (See Plate 1150)			
65	042915	4	RING, final drive inner seal (Used on tractors prior to HD7-6010. When stock is exhausted order RING 049688)
	049688	4	RING, final drive inner seal (Used on tractors after HD7-6009)
66	042924	2	GASKET, final drive inner seal ring
67	042921	1	BRACKET ASSEMBLY, left final drive shaft
	042922	1	BRACKET ASSEMBLY, right final drive shaft
68	042930	6	PIN, final drive shaft bracket (3/16" x 11/16")
69	042925	2	SHED, dirt, final drive outer seal
70	035244	6	CAPSCREW, hex head, 3/8" NC x 3/4"
	910804	6	LOCKWASHER, heavy, 3/8"
71	047607	2	SPROCKET ASSEMBLY, track (standard)
	042931	2	SPROCKET ASSEMBLY, track (for snow)
	044390	2	SPROCKET ASSEMBLY, track (standard)
	044389	2	SPROCKET ASSEMBLY, track (for snow)
72	042930	6	PIN, seal driving, track sprocket (3/16" x 11/16")
73	036209	20	BOLT, track sprocket (5/8" NF x 2-3/4") (Used on tractors prior to HD7-549)
	043504	20	BOLT, track sprocket (5/8" NF x 3") (Used on tractors after HD7-548)
	072366	20	NUT, hex, high, 5/8" NF
74	042923	2	GUARD, final drive outer seal
75	043189	2	GASKET, final drive outer seal driving plate
76	042900	2	PLATE, driving, final drive outer seal
77	042918	2	BOOT, final drive outer seal
78	042904	2	FOLLOWER ASSEMBLY, final drive outer seal (1 PLATE, 6 PINS) (Used on tractors prior to HD7-6803. When stock is exhausted order 1 FOLLOWER ASSEMBLY 049692 and 1 RING 049689)
	049692	2	FOLLOWER ASSEMBLY, final drive outer seal (1 PLATE, 6 PINS) (Used on tractors after HD7-6802)
79	911063	6	PIN, cotter, 1/16" x 7/16" (Used on tractors prior to HD7-6803. Order PIN 904001)
	904001	6	PIN, cotter, 3/32" x 1/2" (Used on tractors after HD7-6802)
80	042911	12	SPRING, final drive outer seal follower
81	042929	2	WASHER, final drive outer seal follower
82	042903	4	RING, final drive outer seal (Used on tractors prior to HD7-6803. When stock is exhausted order RING 049689)
	049689	4	RING, final drive outer seal (Used on tractors after HD7-6802)
83	042935	2	GASKET, final drive outer seal ring
	035731	2	SPACER ASSEMBLY, final drive shaft bracket (Includes item 85) (Used on tractors prior to HD7-6000. When stock is exhausted order 1 SPACER ASSEMBLY 049640 and 1 WASHER 049619)
84	049640	2	SPACER ASSEMBLY, final drive shaft bracket (Includes item 85) (Used on tractors after HD7-5999)
85	035708	4	KEY, final drive shaft bracket spacer
86	033620	2	WASHER, retaining, final drive shaft bracket
87	033668	2	NUT, final drive shaft
88	033364	2	SCREW, final drive shaft nut
89	034625	2	COVER, final drive shaft
90	034627	2	GASKET, final drive shaft cover
91	036707	6	CAPSCREW, hex head, 5/8" NC x 1-3/4"
	910808	6	LOCKWASHER, heavy, 5/8"
92	034626	2	GUARD, track sprocket
93	070109	4	CAPSCREW, hex head, 3/4" NC x 1-1/2"
	910809	4	LOCKWASHER, heavy, 3/4"
	036737	4	PLUG, thread protecting, final drive shaft bracket (3/4" NC) (Used on tractors after HD7-609)
94	035248	4	CAPSCREW, hex head, 5/8" NF x 2-1/4"
	911044	4	NUT, hex, 5/8" NF
	910808	4	LOCKWASHER, heavy, 5/8"
95	033207	4	SPACER, track sprocket guard
96	035229	2	CAPSCREW, hex head, 5/8" NF x 2"
	013467	8	CAPSCREW, hex head, 5/8" NF x 3" (Used on tractors prior to HD7-)
	035541	8	CAPSCREW, hex head, 5/8" NF x 3-3/4" (Used on tractors after HD7-)
	072366	10	NUT, hex, high, 5/8" NF

(Continued)

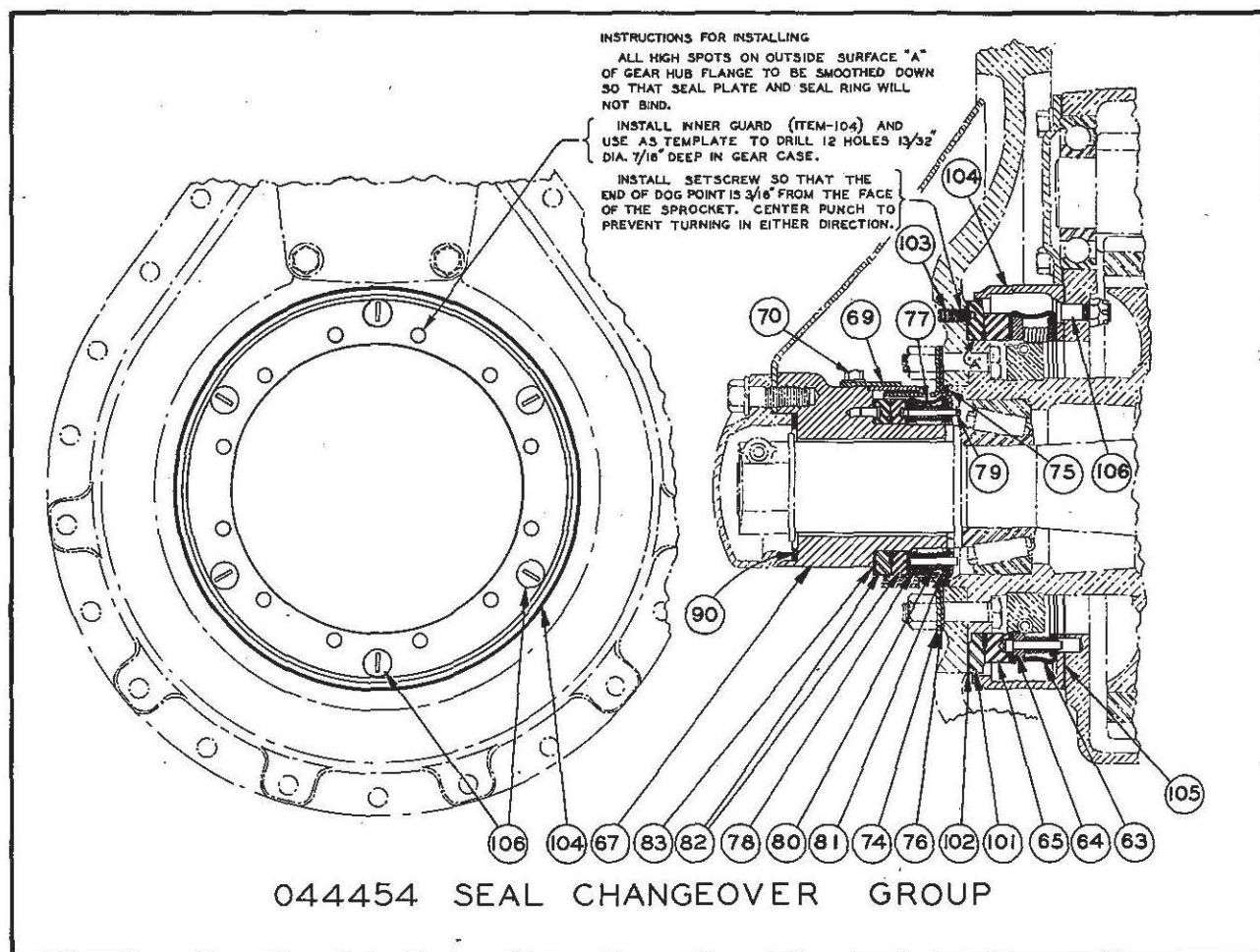


PLATE — 1151

FINAL DRIVE (Continued)

Item	Part Number	Qty.	Name
------	-------------	------	------

The late type seal arrangement, as used on production tractors, may be adapted to tractors prior to HD7-498 by installing 044454 CHANGEOVER KIT as listed below:
(See Plate 1151)

100	044454	1	CHANGEOVER KIT, final drive seal (Consists of items 63, 64, 65, 67, 69, 70, 74 thru 83, 90 and 101 thru 107)
101	044456	2	PLATE, final drive inner seal
102	044457	2	GASKET, final drive inner seal plate
103	914462	14	SETSCREW, headless, dog point, $3/8$ " NC x 1"
104	044455	2	GUARD, final drive inner seal
105	044874	2	GASKET, final drive inner seal guard
	044458	12	CAPSCREW, final drive inner seal guard ($1/2$ " NF x $1-1/2$ ")
106	911054	12	NUT, hex, castle, $1/2$ " NF
	900802	12	PIN, cotter, $1/16$ " x $7/16$ "
107	033288	1	CEMENT, neoprene, $1/2$ pint can