

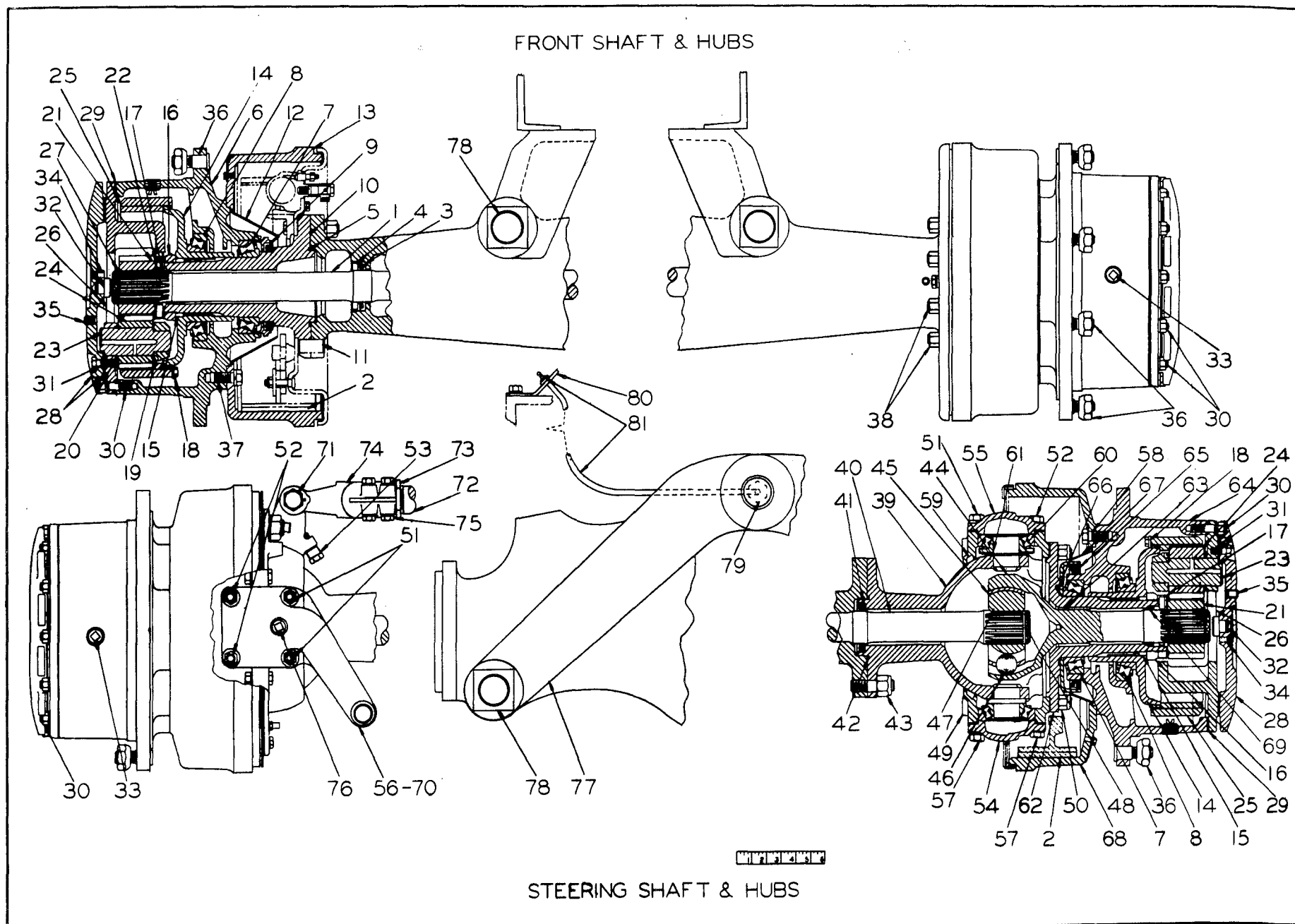


PLATE 729 – PLANETARY HUB AND SHAFT GROUP (FRONT AND STEERING AXLE)

TRACTOMOTIVE

PLANETARY HUB AND SHAFT GROUP (FRONT AND STEERING AXLE)

(See Plate 729)

ITEM	PART NUMBER	QTY.	PART NAME
-	----	2	Front Shaft and Hub Assy., Complete
-	----	2	Steering Shaft and Hub Assy., Complete
1	22059	2	Drive Axle Shaft
2	----	4	Brake Assy., Front and Rear (See pages 138 & 139)
3	22065	2	Oil Seal (Axle Shaft)
4	22068	2	Retainer Assy. (Each includes 1--22066)
5	22120	2	Seal Ring
6	22060	2	Hub Assy., Front Axle (Each includes one Hub and 1--22062 & 1--22061)
7	22062	4	Cup
	14571	4	Cone (For service, order both Cup and Cone)
8	22061	4	Cup
	22064	4	Cone (For service, order both Cup and Cone)
9	22067	2	Retainer Assy. (Each includes 1--22066)
	22066	2	Seal Ring
10	22087	2	Spindle
11	22073	4	Dowel
12	22088	2	Oil Slinger
13	22080	2	Brake Drum
14	22086	4	Hub (Planetary Ring Gear) (Each includes 1--22075)
15	22075	4	Sleeve
16	22122	4	Nut
17	22077	8	Lock Nut
18	22177	32	Capscrew
	22069	16	Lock Plate
	22108	16	Lockwire
19	22071	12	Washer (Inner)
20	22072	12	Washer (Outer)
21	22083	4	Gear (20 teeth) (Planetary Sun)
22	22070	4	Washer
23	22081	12	Shaft
24	22084	12	Pinion
25	22082	4	Gear (52 teeth) (Planetary Ring)
26	22085	4	Spider

(Continued)

TRACTOMOTIVE

PLANETARY HUB AND SHAFT GROUP (FRONT AND STEERING AXLE) – CONTINUED

(See Plate 729)

ITEM	PART NUMBER	QTY.	PART NAME
27	22074	4	Snap Ring
28	22079	4	Gasket
	22089	4	Cover
29	22078	4	Gasket
30	22119	48	Stud
	904208	48	Lockwasher, 1/2" ASA Med (Planetary Spider to Hub)
	911043	48	Hex Nut, 1/2" – 20 NF
31	22118	32	Capscrew
32	22076	4	Thrust Button
33	907070	4	Plug (Planetary Oil Filler and Drain)
34	22103	4	Breather
35	22116	4	Plug (Planetary Oil Level)
36	22121	48	Stud
	7152	48	Nut (Special)
37	14598	20	Capscrew, 5/8" – 11 NC x 1-1/2" (Brake Drum to Hub)
	904209	20	Lockwasher, 5/8" ASA Med.
38	904209	16	Lockwasher, 5/8" ASA Med. (For mounting bolts see Plate 739, page 139)
	917906	16	Hex Nut, 5/8"
39	22283	2	Trunnion Socket Assy. (Includes two Bearing Pins) (Serviced as assy. only)
40	22284	2	Drive Shaft
41	22285	2	Oil Seal (Axle Shaft)
42	22286	2	Seal
43	22282	16	Stud
	904369	16	Lockwasher, 3/4" ASA Med. (Trunnion Socket to Housing)
	917158	16	Hex Nut, 3/4" – 16 NF
73 44	222287	2	Universal Joint Assy. (Outer) (Each includes 1--22288 and 1/2 qty. of Items #45 thru #48)
	22288	2	Outer Race and Stud Axle
45	22289	2	Cage
46	22290	12	Ball
47	22291	2	Inner Race
48	22292	2	Snap Ring (Continued)

TRACTOMOTIVE

PLANETARY HUB AND SHAFT GROUP (FRONT AND STEERING AXLE) – CONTINUED

(See Plate 729)

ITEM	PART NUMBER	QTY.	PART NAME
49	22293	1	Steering Knuckle Flange Assy., Left (Includes one Inner and one Companion Flange, 2--22296, 2--14506, 12--14505, 1--22295, ½ qty. of Items #53 and #82, 2--22264, 2--22263, 2--22260 and 2--22262 as listed on page 139)
	----	1	Knuckle Flange, Inner (Not serviced separately)
	----	1	Knuckle Flange, Companion
	22317	1	Steering Knuckle Flange Assy., Right (Includes one Inner and one Companion Flange, 2--14504, 2--14506, 12--14505, 1--22295, ½ qty. of Items #53 & #82, 2--22264, 2--22263, 2--22260 and 2--22262 as listed on page 139)
	----	1	Knuckle Flange, Inner (Not serviced separately)
	----	1	Knuckle Flange, Companion
50	14505	24	Stud
	910153	24	Lockwasher, 9/16" ASA Med. (Flange to Steering Knuckle)
	14422	24	Hex Nut, 9/16" – 18 NF
51	22296	2	Stud, long (Used with Steering Arm)
	14504	2	Stud, long, 5/8" – 18 NF
	904209	4	Lockwasher, 5/8" ASA Med.
	911044	4	Hex Nut, 5/8" – 18 NF
52	14506	4	Stud, short, 5/8" – 18 NF (Two used with Steering Arm)
	904209	4	Lockwasher, 5/8" ASA Med.
	911044	4	Hex Nut, 5/8" – 18 NF
53	14560	2	Stop Nut
	22297	2	Spacer
	22298	–	Shim (Use as required)
54	14562	2	Cap, Lower bearing
	14563	–	Shim (.005" thick) (Use as required)
	14564	–	Shim (.020" thick)
55	14561	1	Cap, Upper R.H. Bearing
	14563	–	Shim (.005" thick) (Use as required)
	14564	–	Shim (.020" thick)
56	22299	1	Steering Arm (L.H. Bearing Cap)
	14563	–	Shim (.005" thick) (Use as required)
	14564	–	Shim (.020" thick)
57	14598	8	Capscrew, 5/8" – 11 NC x 1–1/2" (Flange to Bearing Cap) (Continued)

TRACTOMOTIVE

PLANETARY HUB AND SHAFT GROUP (FRONT AND STEERING AXLE) – CONTINUED

(See Plate 729)

ITEM	PART NUMBER	QTY.	PART NAME
57	904209	8	Lockwasher, 5/8" ASA Med. (Flange to Bearing Cap)
58	14598	20	Capscrew, 5/8" – 11 NC x 1-1/2" (Brake Drum to Hub)
	910334	20	Lockwasher, 5/8" Int. tooth
59	14568	2	Spring
	14569	2	Seal (Felt) Steering Knuckle
60	14566	4	Cup (For service order both Cup and Cone)
	7271	4	Cone
61	14565	2	Retainer (Upper Steering Bearing Grease)
62	22300	2	Steering Knuckle (Each includes 1--22301) <i>→ 73026397 + Retainer</i>
63	22301	2	Bushing <i>as per 7216</i>
64	22302	2	Hub and Bearing Assy. (Each includes one Hub, 1--22062, 1--22061 & 12--22119)
65	22309	2	Oil Seal
	22413	2	Retainer Assy. (Each includes 1--22305)
66	22305	2	Pin
67	22306	2	Oil Slinger
68	22307	2	Brake Drum
69	22308	2	Oil Seal (Drive Joint)
70	14494	2	Dowel (Steering Arm Stud)
71	22311	2	Bolt
	22295	2	Bushing
	14581	2	Nut (Tie Rod Yoke)
	14580	2	Pin
	900808	2	Cotter Pin, 1/8" x 1-1/2"
72	20286	1	Tie Rod
73	14577	1	Lock Nut
74	14578	1	Yoke, Left
	14579	1	Yoke, Right
75	14602	4	Bolt
	904208	4	Lockwasher, 1/2" ASA Med.
	911043	4	Hex Nut, 1/2" – 20 NF
76	910230	2	Plug (Trunnion Socket Grease)
77	20319	2	Axle Support, Rear (Continued)

TRACTOMOTIVE

PLANETARY HUB AND SHAFT GROUP (FRONT AND STEERING AXLE) – CONTINUED

(See Plate 729)

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