

HUDSON

SUPER - SIX PARTS LIST



January
1929

HUDSON MOTOR CAR COMPANY
DETROIT, MICHIGAN

HUDSON

PARTS LIST

January 1929

IMPORTANT

The use of genuine Hudson-Essex parts will insure the satisfactory operation of your car.

There are Hudson-Essex distributors and dealers in all principal cities and towns equipped to serve you.

For your own protection, insist upon obtaining genuine Hudson-Essex parts.

HUDSON MOTOR CAR COMPANY
DETROIT, MICHIGAN

WARRANTY

The factory obligation with respect to replacement of alleged defective parts is fully covered by our warranty as follows:

"We warrant the automobiles manufactured by us to be free from defects in material under normal use and service, our obligation under this warranty being limited to making good any parts or part thereof which shall, within ninety (90) days after delivery of such automobile to the original purchaser, be returned to us with transportation charges prepaid, and which our examination shall disclose to our satisfaction to have been thus defective.

"This warranty is expressly in lieu of all other warranties expressed or implied, and of all other obligations or liabilities on our part, and we neither assume nor authorize any other person to assume for us any other liability in connection with the sale of our automobiles.

"This warranty shall not apply to any Hudson automobile which shall have been repaired or altered outside of our factory in any way so as, in our judgment, to affect its stability or reliability, or which has been subject to misuse, negligence or accident.

"We make no warranty whatsoever in respect to tires, rims, ignition apparatus, tops, upholstery, horns or other signaling devices, batteries, speedometers, or other trade accessories."

HUDSON MOTOR CAR COMPANY
Detroit, Michigan

The factory does not participate in any labor costs incident to the replacement of parts under the warranty. The warranty under which Hudson or Essex motor cars are sold will be interpreted by the Distributor or Dealer from whom the car was purchased. If you are touring and require service, be sure to get in touch with your nearest authorized Hudson or Essex Distributor or Dealer.

INSTRUCTIONS FOR ORDERING PARTS

- 1-Order parts through the nearest Distributor or Dealer.
- 2-Always give PART NUMBER and NAME of each part ordered.
- 3-Mail and Parcel Post orders should be accompanied by an amount sufficient to cover POSTAGE.
- 4-Specify how shipments are to be made.
- 5-Orders for parts should be written separately from correspondence pertaining to other

Sultex-Ship to me (us) by express.
Sulkline-Ship by express to
Sulkate-Ship to me (us) by freight.
Sulmost-Sup to me (us) parcel post.

Sulwire-When and how did you ship parts
called for in my (our) telegram of
Sultwich-When and how will you ship parts
called for in my (our) telegram of

Sulteen-When and how will you ship parts
called for in my (our) letter of

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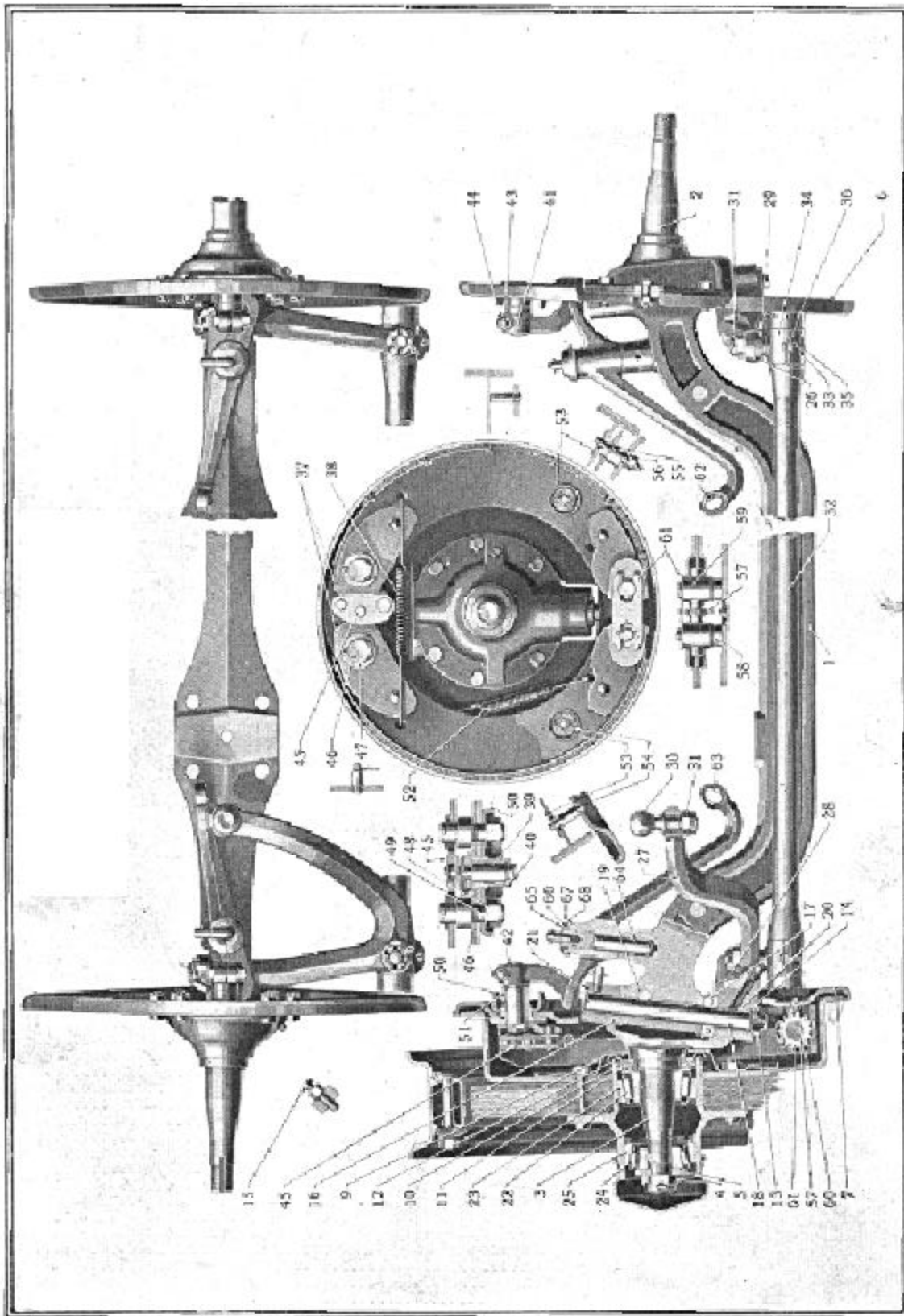
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FRONT AXLE

Illus. No.	Part No.	Description	Specifications	No. Req.
...	CX 31093	FRONT AXLE ASSEMBLY		1
1	CX 31475	Front axle center assembly		1
2	BX 31096	SPINDLE—R. H		1
3	BX 31097	SPINDLE—L. H		1
4	BX 21005	Spindle nut	3/8"-16 special	2
5	BX 27438	Spindle nut washer		2
6	BX 31245	FRONT BRAKE DUST SHIELD ASSEMBLY—R. H		1
7	BX 31246	FRONT BRAKE DUST SHIELD ASSEMBLY—L. H		1
...	BX 3435	Spindle to backing plate bolt		12
...	BZ 124	Spindle to backing plate bolt nut		12
9	BX 29588	Spindle grease deflector		2
10	BX 14897	Spindle dust washer		2
11	BX 22232	Spindle dust washer retainer—outer		2
12	BX 29587	Spindle dust washer retainer—inner		2
13	BX 70101	Spindle oil plug		2
14	BM 18243	Spindle oil plug gasket		2
•	BX 70439	Welch plug—over pivot pin		2
15	BX 18341	Spindle set screw	3/8"-16x1/2" square head	2
	BM 110	Spindle set screw nut	3/8"-16x3/8"	2
16	BX 28966	Spindle shim—thick		2
16	BX 28967	Spindle shim—thin		2
17	BX 70110	Spindle pivot bearing	Nice—special	2
18	BX 31234	Spindle pivot pin		2
19	BX 13205	Spindle pivot pin lock		2
20	BX 31099	Spindle pivot pin bushing—lower		2
21	BX 31235	Spindle pivot pin bushing—upper		2
22	12347	Inner bearing cone and rolls	Timken 415	2
23	12346	Inner bearing cup	Timken 412A	2
24	6237	Outer bearing cone and rolls	Timken 315	2
25	5672	Outer bearing cup	Timken 312	2
26	BX 28961	Steering arm—R. H		1
27	BX 31207	Steering arm—L. H		1
28	BX 9720	Steering arm key		2
29	BX 21948	Steering arm ball		2
30	BX 31206	Steering arm to drag link ball		1
31	BM 12172	Steering arm ball nut		3
...	CX 31395	TIE ROD ASSEMBLY		1
32	CX 31396	Tie rod only		1
...	BX 29310	Ball seat		4
...	BX 70144	Shim	1/32" thick	4
...	BX 70145	Shim	1/16" thick	6
...	BX 29311	Plug		2
...	BX 29314	Spring		2
33	BX 29313	Inner cover		2
34	BX 29312	Outer cover		2
35	BZ 70310	Outer cover screw	3/16"-24x7/8"	2
36	BZ 3987	Outer cover screw nut	3/16"-24	2

FRONT BRAKES

37	BX 31598	BRAKE SHOE ASSEMBLY (Set for one wheel)		2
38	BX 31644	Brake shoe retracting spring		2
39	BX 31610	Camshaft and crank assembly		2
40	BX 63989	Camshaft dust shield		4
41	BX 31592	Brake crank lever—R. H		1
42	BX 31593	Brake crank lever—L. H		1
43	BX 70361	Brake crank lever clamp bolt		2
44	BR 611	Brake crank lever clamp bolt nut		2
45	BX 31611	Cam plate and blocks assembly		2
46	BX 31621	Reinforcement plate and anchor pin assembly		2
47	BX 31646	Anchor pin washer		4
48	BZ 12290	Anchor pin nut		4
49	BX 70539	Anchor pin shakeproof lockwasher		4
50	BX 31624	Carrier bracket assembly		2
51	BX 30871	Carrier bracket bushing		2
	BX 31245	Backing plate assembly—R. H		1
	BX 31246	Backing plate assembly—L. H.		1
52	BX 31643	Brake shoe silencing spring		2
53	BX 31613	Brake shoe spacer pin and eccentric washer		4
54	BX 31614	Brake shoe spacer pin and eccentric spring		4
55	BX 31622	Eccentric assembly		2
56	BZ 62	Eccentric nut		2
57	BX 31623	Adjusting screw assembly		2

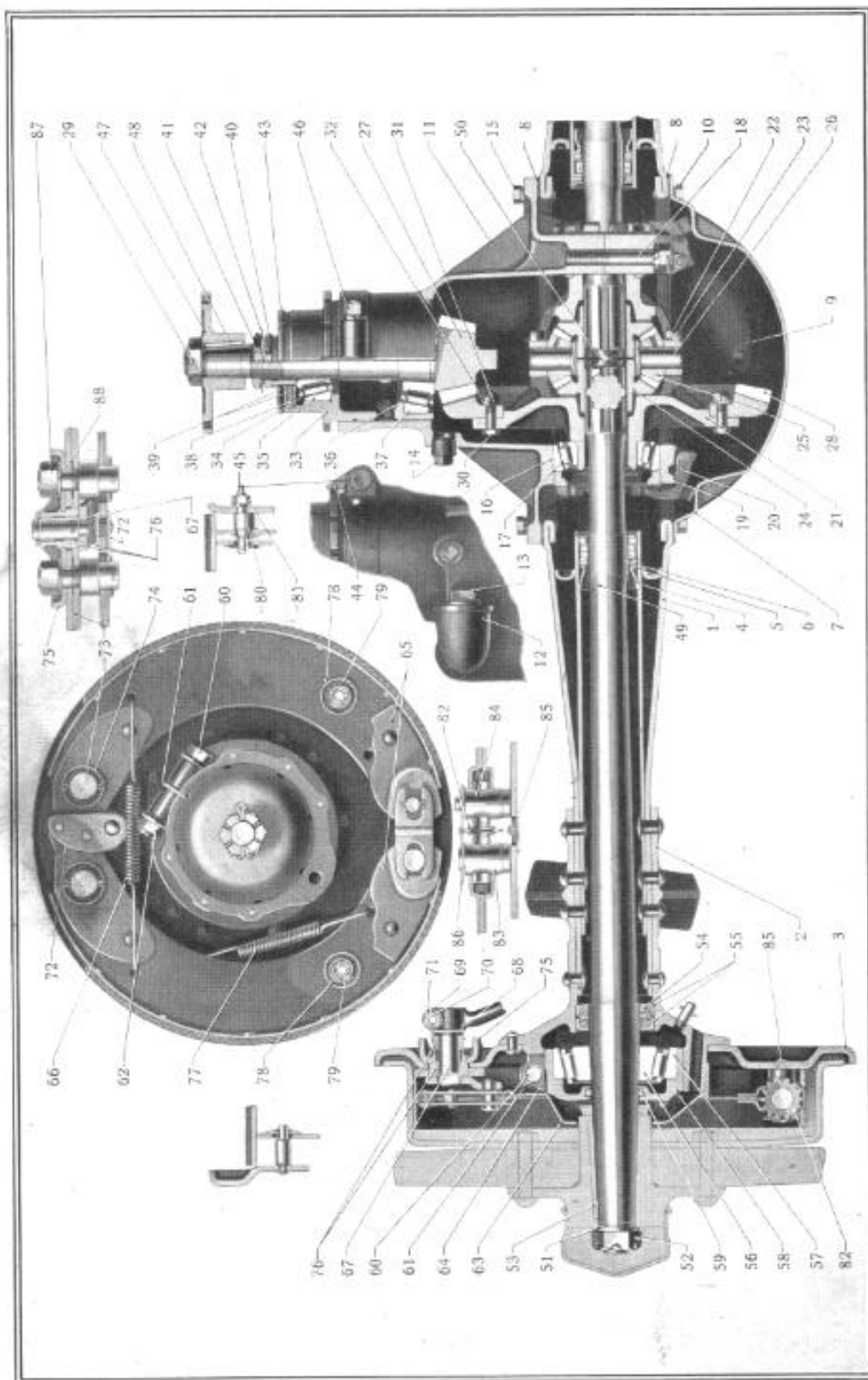


FRONT BRAKES (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
58	BX 131642	Adjusting screw pivot nut-R. H.		2
59	BX 131641	Adjusting screw pivot nut-L. H.		2
60	BX 163974	Adjusting screw cover plate		2
61	BX 131645	Adjusting screw lock spring-flat		2
62	BX 131188	Brake operating lever-R. H.		1
63	BX 131189	Brake operating lever-L. H.		1
64	BX 131190	Brake operating lever pivot pin		2
...	BX 170443	Brake operating lever pivot pin washer		2
65	BX 161492	Brake operating lever pivot pin dust washer		2
66	BX 162739	Brake operating lever take-up spring		2
67	BX 162740	Brake operating lever dust shield		2
68	BX 162741	Brake operating lever dust washer-felt		2

REAR AXLE

...	CY 31051	REAR AXLE ASSEMBLY	4-5/12 to 1	1
...	CY 31052	REAR AXLE ASSEMBLY	4-1/13 to 1	1
1	CY 31053	REAR AXLE HOUSING ASSEMBLY		1
2	GY 31054	Brake spider-R. H.		1
2	GY 31055	Brake spider-L. H.		1
3	GY 31604	Dust shield-R. H.		1
3	GY 31605	Dust shield-L. H.		1
4	GY 20709	Inner oil retainer		2
5	BY 20094	Inner oil retainer felt washer		10
6	BY 20710	Inner oil retainer felt washer spacing ring		6
7	BY 19321	Housing cover		1
8	BY 19322	Housing cover gasket		1
9	BM 322	Housing cover pipe plug	3/4"	1
10	BZ 1157	Housing cover bolt	3/8"-16x3/4"	10
...	GY 7311	Rivet	Wagon box head 3/8"x1-1/8"	12
...	GY 9683	Rivet	Wagon box head 3/8"x1"	4
-	GY 545	Rivet	Button head 5/16"x1"	20
-	CY 30834	DIFFERENTIAL CARRIER AND GEAR SET ASSEMBLY	4-5/12 to 1	1
...	CY 30835	DIFFERENTIAL CARRIER AND GEAR SET ASSEMBLY	4-1/13 to 1	1
11	CY 19567	DIFFERENTIAL CARRIER ASSEMBLY (Includes parts 19328, 9626, 9641, 9605 and 9598)		1
...	19328	Carrier (Not sold separately)		1
12	9626	Carrier cap (Not sold separately)		2
13	GY 12193	Elbow		1
14	BY 12184	Filler pipe plug		1
.	GM 5710	Inspection pipe plug		1
.	BY 19322	Carrier gasket		1
15	BR 1308	Carrier bolt	3/8"-16x1-1/8"	10
16	6232	Bearing cup	Timken No. 3720	2
17	18037	Bearing cone and rolls	Timken No. 377	2
18	BY 9641	Bearing cap bolt	9/16"-12x3-1/4"	4
19	GY 9605	Bearing adjusting nut		2
20	GY 9598	Bearing adjusting nut lock		2
21	BY 30875	DIFFERENTIAL CASE ASSEMBLY		1
22	BY 20998	Differential case bolt		8
23	BY 20855	Differential case bolt lock	3/8"-16x1-1/2"	4
24	BY 9765	Differential gear		2
25	BY 9766	Differential pinion		4
26	BY 9767	Differential spider		1
27	BY 30837	Drive pinion.	11 teeth	1
28	BY 30836	Drive gear	53 teeth 4-5/12 to 1	1
.	BY 30839	Drive pinion	13 teeth	1
29	BY 10971	Drive pinion shaft nut	1"-20x1-1/2"	1
...	BY 30838	Drive gear (Gears and pinions should be ordered in matched sets to insure satisfactory performance)	53 teeth 44,13 to 1	1
30	BY 18305	Drive gear bolt	3/8"-24x1-7/16"	10
31	BY 18164	Drive gear bolt nut	special	10
32	BY 30842	Drive gear bolt nut lock	3/8"-24x21/64"	5
33	BY 30863	PINION BEARING CAGE ASSEMBLY		1
34	18036	Front bearing cone and rolls		1
35	2442	Front bearing cup	Timken No. 3196	1
36	9698	Rear bearing cone and rolls	Timken No. 3120	1
37	12412	Rear bearing cup	Timken No. 439T	1
38	BY 19144	Felt washer	Timken No. 432	1
39	BY 19145	Felt washer retainer		2
40	BY 19141	Adjusting sleeve		1
41	BY 19142	Adjusting sleeve lock nut		1



Rear Axle Assembly

REAR AXLE (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
42	BY 30843	Adjusting sleeve lock nut lock		1
43	BY 19143	Dust excluder		1
44	BY 19330	Bearing cage lock		1
45	BY 18031	Bearing cage clamp bolt	1/2"-20X3-1/2"	1
46	BY 3433	Clamp bolt nut		1
47	BZ 9906	Companion flange		1
48	BY 9699	Companion flange key		1
49	CY 21003	DRIVE SHAFT ASSEMBLY (Includes thrust button)		2
50	BY 11470	Drive shaft thrust button		2
51	BY 9670	Drive shaft washer		2
52	BY 9681	Drive shaft nut	7/8"-14x5/8"	2
53	BY 9628	Drive shaft key		2
54	BY 13959	Drive shaft felt washer		6
55	BY 19326	Drive shaft felt washer retainer		4
56	12496	Bearing cone and rolls	Timken 458T	2
57	12497	Bearing cup	Timken 454	2
58	BY 16573	REAR WHEEL BEARING ADJUSTING NUT ASSEMBLY (Includes bearing cup and felt washer)		2
59	BY 20094	Felt washer		2
60	BY 9668	Adjusting nut clamp bolt	1/2"-20x3-1/4"	2
61	BY 13954	Adjusting nut lock		2
62	BZ 72	Adjusting nut clamp bolt nut	1/2"-20	2
63	BY 31056	Rear wheel bearing grease deflector		2
64	BY 31218	Rear wheel bearing grease deflector gasket		2
...	GM 9202	Machine screw	1/4"-20x9/16"	8

REAR BRAKES

65	BX 31598	BRAKE SHOE ASSEMBLY (Set for one wheel)		2
66	BX 31644	Brake shoe retracting spring		2
67	BX 31610	Camshaft and crank assembly		2
68	BX 63989	Camshaft dust shield		4
...	BY 31191	Brake crank lever-R. H.		1
69	BY 31192	Brake crank lever-L. H.		1
70	BX 70361	Brake crank lever clamp bolt		2
71	BR 611	Brake crank lever clamp bolt nut		2
72	BX 31611	Cam plate and blocks assembly		2
73	BX 31621	Reinforcement plate and anchor pin assembly		2
74	BX 31646	Anchor pin washer		4
75	BX 31624	Carrier bracket assembly		2
76	BX 30871	Carrier bracket bushing		2
...	BY 31604	Backing plate assembly-R. H.		1
...	BY 31605	Backing plate assembly-L. H.		1
77	BX 31643	Brake shoe silencing spring		2
78	BX 31613	Brake shoe spacer pin and eccentric washer		4
79	BX 31614	Brake shoe spacer pin and eccentric spring		4
80	BX 31622	Eccentric assembly		2
81	BZ 62	Eccentric nut		2
82	BX 31623	Adjusting screw assembly		2
83	BX 31642	Adjusting screw pivot nut-R. H.		2
84	BX 31641	Adjusting screw pivot nut-L. H.		2
85	BX 63974	Adjusting screw cover plate		2
86	BX 31645	Adjusting screw lock spring-flat		2
87	BZ 12290	Anchor pin nut		4
88	BX 70539	Anchor pin shakeproof lockwasher		4

WOOD WHEELS - STANDARD

...	CW 31073			
...	BZ 31114	FRONT WOOD WHEEL ASSEMBLY (Specify color)	31"x6"	2
...	BZ 70421	Hub assembly (Includes bearing cups)		2
...	BZ 70147	Hub bolts	3/8"-16x2-5/16"	24
...	BX 14987	Hub bolt-nut	3/8"-16x9/32"	24
...	BX 22232	Felt dust washer		2
...	BX 29587	Felt dust washer retainer-outer		2
...	5672	Felt dust washer retainer-inner		2
...	12346	Outer bearing cup	Timken 312	2
...	BZ 31082	Inner bearing cup	Timken 412A	2
...	CW 31104	Hub cap		2
...	BZ 62792	Brake drum		2
...	BZ 7819	Brake inspection hole cover		2
...	CW 31074	Screw	1/4"-20x3/8" round head	2
...	CW 31102	REAR WOOD WHEEL ASSEMBLY (Specify color)	31"x6"	2
...		Brake drum		2

WOOD WHEELS—STANDARD (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	CW 31314	REAR WOOD WHEEL ASSEMBLY (temporary)		
...		(Specify color)	31"x6"	2
...	CW 31104	Brake drums (temporary)		2
...	BZ 31081	Hub		2
...	BZ 70421	Hub bolt	3/8"-16x2-5/16"	24
...	BZ 70147	Hub bolt nut	3/8"-16x9/32"	24
...	BZ 31082	Hub cap		2
...	BZ 31113	Grease shield		2
...	BZ 62792	Brake inspection hole cover		2
...	BZ 7819	Screw		2
			1/4"-20x3/8" round head	

WOOD WHEELS-DEMOUNTABLE-AT HUB

...	CW 31377	WHEEL ASSEMBLY		5-6
...	CW 31346	Locking ring	Chromium plated	5-6
...	CZ 31333	Front hub assembly (Includes bearing cups and brake drums)		2
...	BZ 31341	Front hub (Includes bearing cups)		2
...	5672	Outer bearing cup	Timken 312	2
...	12346	Inner bearing cup	Timken 412A	2
...	BZ 31348	Rear hub assembly (Includes brake drum)		2
...	BZ 31349	Rear hub		2
...	BZ 31334	Rear hub assembly (Includes brake drum)		2
...	BZ 31342	Rear hub		2
...	BZ 31385	Hub bolt	Chromium plated	28
...	CW 31344	Brake drum		4
...	BZ 70250	Rivet	5/16"x1-1/16" button hd.	28
...	BZ 62792	Brake inspection hole cover		4
...	BZ 70521	Screw	1/4"-20x17/64" round hd.	4
...	BZ 31388	Hub cap-inner (front wheel)		2
...	BZ 31251	Hub cap		5-6
...	BZ 31343	Shield-front brake oil		2
...	BZ 31382	Bolting flange-outer		2
...	BZ 31383	Bolting flange-inner		2
...	BZ 31384	Steel ferrule		35-42

WIRE WHEELS

...	CW 31330	WIRE WHEEL ASSEMBLY	Specify color	5-6
...	CW 31346	Locking ring	Chromium plated	5-6
...	BZ 31333	Front hub assembly (Includes bearing cups and brake drums)		2
...	BZ 31341	Front hub (Includes bearing cups)		2
...	5672	Outer bearing cup	Timken 312	2
...	12346	Inner bearing cup	Timken 412A	2
...	CZ 31348	Rear hub assembly (includes brake drums)		2
...	BZ 31349	Rear hub		2
...	CZ 31333	Rear hub assembly (Includes brake drums)		2
...	BZ 31342	Rear hub		2
...	BZ 31347	Hub bolt	Special	28
...	CW 31344	Brake drum		4
...	BZ 31343	Front brake grease shield		2
...	BZ 70520	Rivet	5/16"x1-1/16" button hd.	28
...	BZ 62792	Brake inspection hole cover		4
...	BZ 70521	Screw	1/4"-0X17/64" round hd.	4
...	BZ 31338	Outer spoke		140-168
...	BZ 31339	Inner spoke		210-252
...	BZ 31340	Spoke nipple		350-420
...	BZ 31388	Hub cap-inner (front wheel)		2
...	BZ 31251	Hub cap		5-6

DEMOUNTABLE RIMS

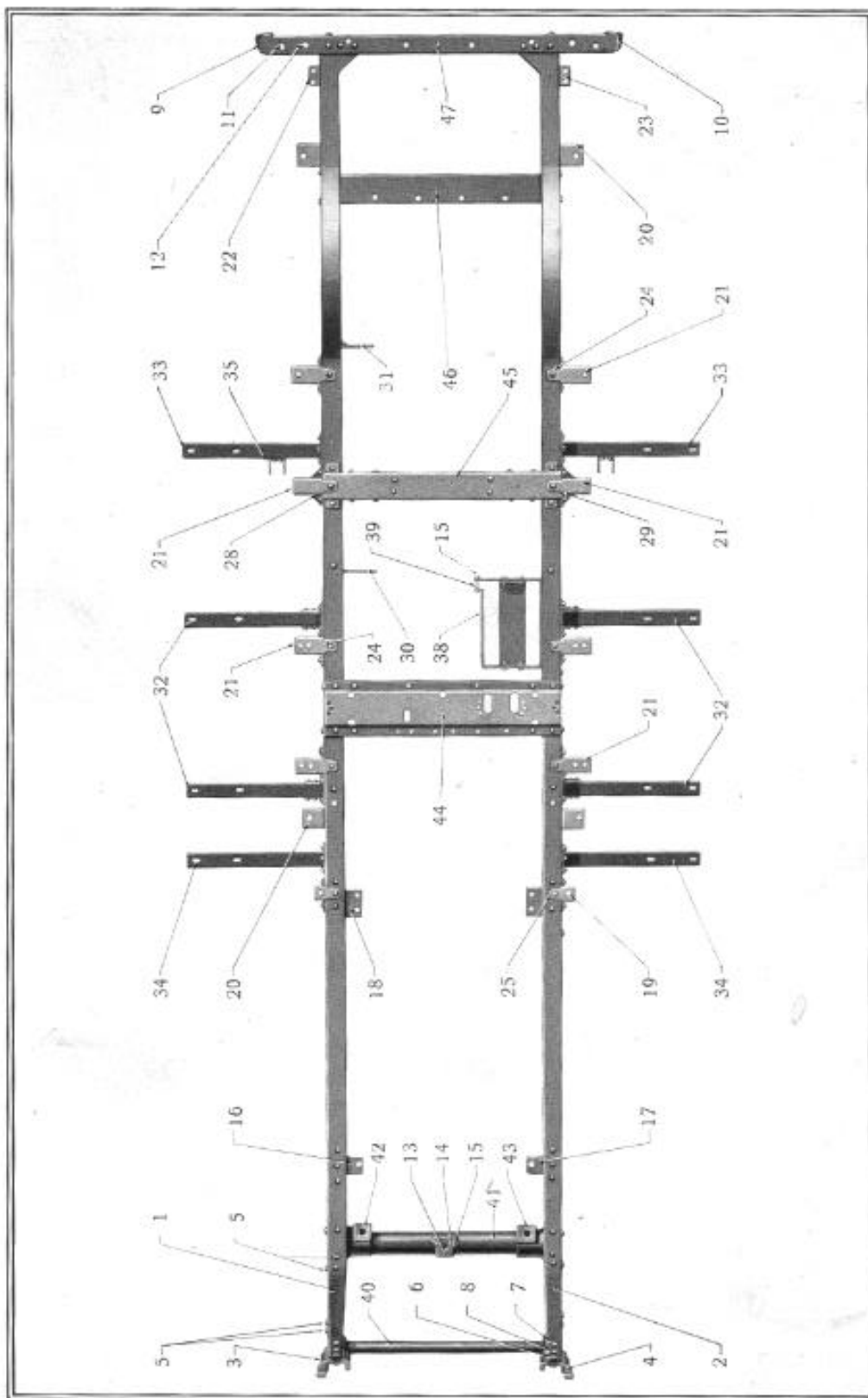
...	CW 30862	Rim	31"x6"	5
...	BZ 28417	Rim lock		5
...	BZ 62590	Rim lock stud		5
...	BZ 62045	Rim safety latch		5
...	BZ 62044	Rim safety latch stud		5
...	BZ 30783	Rim clamp		20
...	BZ 30784	Rim clamp bolt		20
...	BZ 30785	Rim clamp bolt nut		20

FRONT SPRINGS

Illus. No.	Part No.	Description	Specifications	No. Req.
...	CZ 31387	FRONT SPRING ASSEMBLY	39" center to center— 1-7/8" thick	2
...	CZ 30945	Leaf No. 1 (Includes bushings)		2
...	CZ 30936	Leaf No. 2	17-1/2" frt. to ctr.; 20-1/2" ctr. to rear	2
...	CZ 30937	Leaf No. 3 (Includes clips)	15-1/2" frt. to ctr.; 18-1/8" ctr. to rear	2
...	CZ 30938	Leaf No. 4	13-1/2" frt. to ctr.; 15-3/4" ctr. to rear	2
...	CZ 30939	Leaf No. 5	11-1/2" frt. to ctr.; 13-3/8" ctr. to rear	2
...	CZ 30940	Leaf No. 6	9-1/2" frt. to ctr.; 11" ctr. to rear	2
...	CZ 30941	Leaf No. 7	7-1/2" frt. to ctr.; 83/4" ctr. to rear	2
...	CZ 30942	Leaf No. 8	5-1/2" " frt. to ctr.; 6-1/2" ctr. to rear	2
...	CZ 30943	Leaf No. 9	3-3/4" frt. to ctr.; 4-1/4" ctr. to rear	2
...	BZ 30968	Leaf clip—small		4
...	BZ 30967	Leaf clip—large		4
...	BZ 30970	Center bolts	3/8"-16x2-3/8"	2
...	BM 110	Nut—center bolt	3/8"-16x3/8"	2
...	BZ 13224	Bushing—front end	Plain	2
...	BZ 13336	Bushing—rear end	Drilled	2
...	BZ 22272	Bolt—front end		2
...	BZ 16352	Nut—front end bolt		2
...	BZ 29318	Shim—front end bolt		2
...	BZ 16342	Shim—front end bolt		2
...	BZ 24466	Shackle—plain		2
...	BZ 24452	Shackle—tapped		2
...	BZ 24464	Shackle bolt—thin head		4
...	BY 18093	Nut—shackle bolt		4
...	BZ 30912	Clip		4
...	BZ 88	Nut—clip	9/16"-18x11/16"	8
...	BZ 29297	Bumper	Rubber	2
...	BZ 29296	Bumper strap	Leather	4

REAR SPRINGS
TOWN AND LANDAU SEDANS

...	CZ 31471	REAR SPRING ASSEMBLY—10 leaves	57-11/16" ctr. to ctr.	2
...	CZ 30953	Leaf No. 1 (Includes bushings)		2
...	CZ 30954	Leaf No. 2	28-1/2" frt. to ctr.; 28-1/2" to rear	2
...	CZ 30955	Leaf No. 3 (Includes clips)	25-1/2" frt. to ctr.; 25-1/2" to rear	2
...	CZ 30956	Leaf No. 4	22-5/8" frt. to ctr.; 22-5/8" to rear	2
...	CZ 30957	Leaf No. 5	19-3/4" frt. to ctr.; 193/4" to rear	2
...	CZ 30958	Leaf No. 6	16-7/87/8 frt. to ctr.; 16%" to rear	2
...	CZ 30959	Leaf No. 7	14" frt. to ctr.; 14" to rear	2
...	CZ 30960	Leaf No. 8	11-1/8' frt. to ctr.; 11-1/8" to rear	2
...	CZ 30961	Leaf No. 9	8-1/4" frt. to ctr.; 8-1/4" to rear	2
...	CZ 30962	Leaf No. 10	5-3/8" frt. to ctr.; 5-3/8" to rear	2
...	BZ 30964	Spring leaf clip—small		4
...	BZ 30963	Spring leaf clip—large		4
...	BZ 30969	Center bolts	3/8"-16 USSx3"	2
...	BM 110	Nut—center bolt	3/8"-16x3/8"	2
...	BZ 29005	Plate		2
...	BZ 25291	Clip—rear spring		4
...	BZ 88	Nut—spring clip	9/16"-18x11/16"	24
...	BZ 5523	Nut—spring clip lock	9/16"-18x1/4"	8
...	BZ 29004	Strap—spring clip		4
...	BZ 13341	Bushing—front		2
...	BZ 13224	Bushing—rear		2
...	BZ 16340	Bolt—front end		2
...	BZ 16352	Nut—front end bolt	9/16"-18	2
...	BZ 24072	Shim—front end bolts		4



Hudson Frame

REAR SPRINGS—TOWN AND LANDAU SEDANS (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	BZ 16343	Sleeve—front end bolt adjusting		2
...	BZ 24465	Bolt—shackle		4
...	BY 18093	Nut—shackle bolt	5/8"-18	4
...	BZ 24453	Shackle—plain		2
...	BZ 24454	Shackle—threaded		2

USED ON COACH, SEDAN, VICTORIA AND PHAETON

CZ 31386	REAR SPRING ASSEMBLY	2
	NOTE: Use component parts of spring CZ 31471	

Coupe and Roadster

...	CZ 31470	REAR SPRING ASSEMBLY-9 leaves	57-11/16" ctr. to ctr.	2
...	CZ 30953	Leaf No. 1 (Includes bushings)		2
...	CZ 30944	Leaf No. 2	28-1/2" frt. to ctr. 28-1/2"	
...	CZ 30946	Leaf No. 3 (Includes clips)	to rear	2
...	CZ 30947	Leaf No. 4	25-1/2" frt. to ctr.; 25-1/2"	
...	CZ 30948	Leaf No. 5	to rear	2
...	CZ 30949	Leaf No. 6	22" frt. to ctr.; 22" to rear	2
...	CZ 30950	Leaf No. 7	18-3/4" frt. to ctr.; 18-3/4"	
...	CZ 30951	Leaf No. 8	to rear	2
...	CZ 30952	Leaf No. 9	15-1/2" frt. to .; 15-1/2"	
...	BZ 30965	Leaf clip—small	to rear	2
...	BZ 30966	Leaf clip—large	12-1/4" frt. to ctr.; 12 3/4'	
...	BZ 30971	Center bolt	to rear	2
...	BM 110	Nut—center bolt	9" frt. to crr.; 9" to rear	2
...	BZ 29005	Plate	6-1/2." frt. to ctr.; 4-3/4"	
...	BZ 25291	Clip—rear spring	to rear	2
...	BZ 88	Nut—spring leaf		2
...	BZ 5523	Nut—spring clip lock		2
...	BZ 29004	Strap—spring clip		24
...	BZ 13341	Bushing—front	9 /16"-18x11 /16"	8
...	BZ 13224	Bushing—rear	9/16"-18x1/4"	4
...	BZ 16340	Bolt—front end		2
...	BZ 16352	Nut—front end bolt		2
...	BZ 24072	Shim—front end bolt		2
...	BZ 16343	Sleeve—front end bolt adjusting	9/16"-18	4
...	BZ 24465	Bolt—shackle		2
...	BY 18093	Nut—shackle bolt		4
...	BZ 24453	Shackle—plain		4
...	BZ 24454	Shackle—threaded	5/8"-18	2

FRAME

...	CZ 31000	FRAME ASSEMBLY		1
1	CZ 31023	FRAME SIDE MEMBER ASSEMBLY—R. H.		1
2	CZ 31024	FRAME SIDE MEMBER ASSEMBLY—L. H.		1
3	BZ 31153	Front end—R. H. (spring hanger)		1
4	BZ 31154	Front end—L. H. (spring hanger)		1
5	GZ 80	Rivet	3/8"x1-1/2" button head	4
6	BZ 12332	Rivet	3/4"x3" button head	2
7	BZ 70287	Rivet	3/8"x3-3/8" button head	2
8	BZ 70311	Rivet	3/8"x3-1/8" button head,	2
9	BZ 29850	REAR END ASSEMBLY (spring hanger)—R. H.		1
10	BZ 29851	REAR END ASSEMBLY (spring hanger)—L. H.		1
11	BZ 70102	Rivet	3/8"x3-3/4" button head	2
12	BZ 70103	Rivet	%x4-3/8" button head	2
13	BZ 30265	Bracket—starting crank		1
14	BZ 18119	Bolt	3/8"-16x3-5/16"	2
15	BM 110	Nut	3/8"-16x3/8"	2
16	BZ 28974	Front motor support—R. H.		1
17	BZ 28975	Front motor support—L. H.		1
18	BZ 28813	Rear motor support		1
19	BZ 30103	Body bracket—short		2
20	BZ 28834	Body bracket No. 2 and 7		4
21	BZ 30104	Body bracket No. 3, 4, 5 and 6		8
22	BZ 31227	Bracket—trunk rack support loop		2
23	GY 84	Rivet	1/4" 'x3/4" button head	4
24	BY 85	Rivet	3/8"x1" button head	4

FRAME (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
25	BY 77	Rivet	3/8"x1-1/4" button head	2
...	BZ 28840	FRONT SPRING REAR HANGER ASSEMBLY (In-		
...		cludes bushing)		2
28	BZ 28818	Bushing		2
29	BZ 28819	Rear spring front hanger-R. H		1
30	BZ 28820	Rear spring front hanger-L. H		1
31	BZ 28838	Muffler front hanger		1
32	BZ 30105	Muffler rear hanger		1
33	BZ 30266	RUNNING BOARD HANGER ASSEMBLY-front and		
34		center		4
35	BZ 30270	Running board hanger-rear		2
	BZ 30611	Front fender tire support (wire wheels only)		2
...	BZ 31158	Idler lever support		2
38	BY 3205	Clevis pin	7/16"x2-3/8"	2
39	BZ 29548	Tire carrier bracket-center		1
...	BZ 30030	BATTERY TRAY ASSEMBLY		1
...	BM 18185	Battery tray bolt	3/8"-16x2"	1
...	BM 110	Battery tray bolt nut	3/8"-16x3/8"	1
...	BY 60989	Rear rubber bumper		2
...	GM 1483	Bumper bolt	5/16"-18x1-3/8"	4
	BZ 122	Bumper bolt nut	5/16"-18x5/16"	4

CROSS MEMBERS

40	BZ 30260	Front cross tube-small		1
	BZ 30284	Plug-small cross tube		2
41	BZ 30264	Front cross tube-large		1
42	BZ 30342	Bracket-R. H. end		1
43	BZ 30343	Bracket-L. H. end		1
...	BZ 70286	Plug-large front cross tube		2
44	CZ 31223	Front center cross member assembly-upper		1
...	CZ 31110	Front center cross member-lower		1
45	CZ 31224	Rear center cross member assembly		1
46	CZ 28808	Rear box cross member		1
47	CZ 31476	Rear cross member assembly (Includes spring hangers)		1
...	GZ 3613	Rubber ferrule	7/8"	2
...	B0 18712	Rubber ferrule	1/2"	4
...	BZ 6437	Rubber ferrule	3/8"	1
...	BZ 28823	Front center cross member gusset-front right, rear		
		left		2
...	BZ 28824	Front center cross member gusset-front left, rear		
		right		2
...	BZ 28825	Rear center cross member gusset-front right		1
...	BZ 28826	Rear center cross member gusset-front left		1
...	BZ 28827	Rear center cross member gusset-rear right		1
...	BZ 28828	Rear center cross member gusset-rear left		1

BUMPERS

...	CZ 81686	FRONT BUMPER ASSEMBLY		1
...	BZ 5735	Bolt-bumper to frame	7/16"-14x1"	4
...	BZ 81690	Clamp-bumper to frame		2
...	GZ 82493	Inside bar		1
...	CZ 82497	Inside bar-R. H.	(Optional)	1
...	CZ 82498	Inside bar-L. H.	(Optional)	1
...	CZ 82494	Outside bar-upper		1
...	CZ 82495	Outside bar-lower		1
...	BZ 82496	Bolt-outside and inside bar-end		2
...	BZ 82499	Finish plate-center		1
...	BZ 82501	Finish plate-ends		2
		Screw-finish plate		3
...	CZ 81688	REAR BUMPER ASSEMBLY		1
...	BZ 82519	Reinforcement-R. H.		1
...	BZ 82520	Reinforcement-L. H.		1
...	CZ 82521	Inside bar-R. H.		1
...	CZ 82522	Inside bar-L. H.		1
...	BZ 82517	Outside bar-upper		1
...	CZ 82518	Outside bar-lower		1
...	BZ 82496	Bolt-outside and inside bar-end		1
...	BZ 82499	Finish plate-center		1
...	BZ 82501	Finish plate-ends		2
		Screw-finish plate		3
...	BZ 7304	Bolt-bumper to frame	1/2"-13x2-3/8"	2
...	BZ 70572	Nut-bumper to frame bolt	1/2"-13	2
...	BZ 82334	Spacer-rear bumper		2

GASOLINE TANK

Illus. No.	Part No.	Description	Specifications	No. Req.
...	CZ 31277	GASOLINE TANK ASSEMBLY		1
...	BZ 2346	Drain plug—3/8" pipe thread		1
...	BZ 31236	Filler cap		1
...	BZ 30740	Filler cap gasket		1
...	BZ 31274	Suction tube assembly		1
...	BZ 30738	Filler neck		1
...	BZ 31276	Gauge—tank unit assembly		1
...	BZ 70434	Screw—gauge wire No. 8-32x1/4" brass		1
...	BZ 12488	Screw—gauge attaching No. 8-32x7/16"		5
...	BZ 31310	Gasket—gauge		1

GASOLINE TANK STRAP

...	BZ 28991	STRAP ASSEMBLY—R. H.		1
...	BZ 28992	STRAP ASSEMBLY—L. H..		1
...	BZ 28997	Front "T" bolt		2
...	BZ 28998	Front "T" bolt nut		2
...	BZ 28999	Rear bolt		2
...	BZ 62	Rear bolt nut	3/8"-24x21/64"	2

RADIATOR

...	A 31200	RADIATOR COMPLETE		1
...	A 81260	SHELL AND SHUTTERS ASSEMBLY	Specify color	1
...	A 81315	Shell assembly (less shutters)		1
...	BZ 18218	Screw—shell to core		8
...	BM 272	Nut—shell to core screw		8
...	BZ 78758	Shutter blade	Specify color	18
...	BZ 81309	Shutter rail assembly		2
...	BZ 81311	Shutter operating rail assembly		1
...	BZ 81261	Shutter bell crank		1
...	BZ 81184	Shutter bell crank bracket		1
...	BZ 28917	Tie rod—radiator to cowl		1
...	BZ 62	Nut	3/8"-24x21/64"	1
...	BZ 81183	Hinge rod bracket		1
...	BZ 82085	Lacing		2
...	BZ 81353	Lacing rivet		14
...	BZ 81264	Name plate		1
...	BZ 81270	Starting crank hole cover		1

CORE

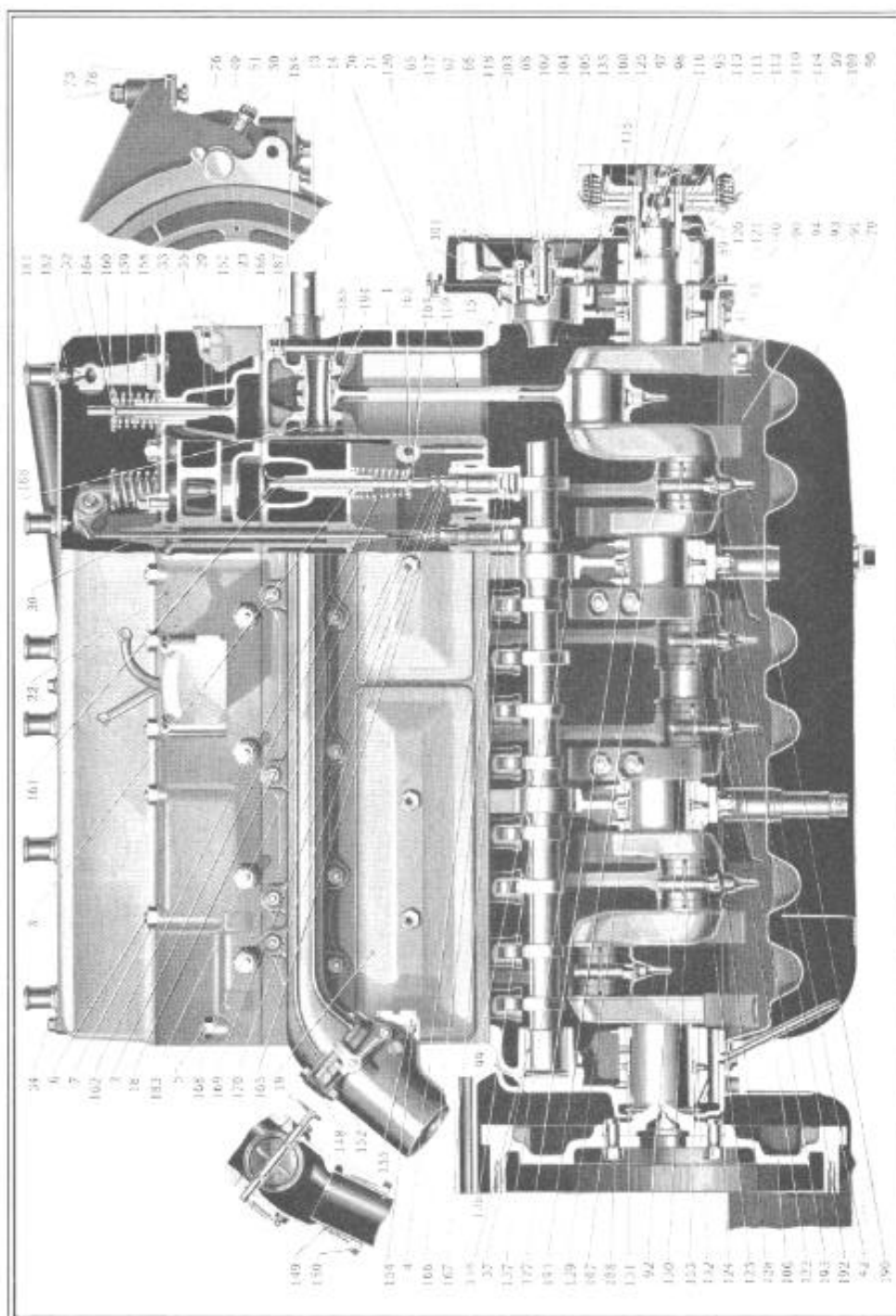
...	CZ 31108	CORE TANK AND SUPPORT ASSEMBLY		1
...	BZ 31689	Core anchorage and reinforcement assembly		1
...	BZ 70345	Screw—core to frame bracket	7/16"-14x1-7/8"	2
...	BY 551	Nut	7/16"-14x7/16"	2
...	BZ 30479	Outlet		1
...	BZ 30559	Outlet gasket		1
...	BZ 31477	Filler neck		1
...	BZ 81272	Filler cap		1
...	BZ 62353	Filler cap gasket		1
...	BZ 30289	Upper hose		1
...	BZ 30288	Lower hose		1
...	BZ 70327	Hose clamp	1-13/16"	4

RADIATOR SHUTTER CONTROL

...	BZ 76429	Knob		1
...	BZ 29111	Ratchet		1
...	BZ 81280	Operating rod		1
...	BZ 12481	Operating rod nut	5/16"-24x17/64"	1
...	BZ 70492	Operating rod clevis	5/16"-24	1
...	BZ 81526	Operating rod silencer		1
...	BZ 79281	Bracket assembly		1
...	BZ 79272	Bracket spring		1

FAN

BM 31309	FAN ASSEMBLY		1
BT 395	Spider bolt	5/16"-18x5/8"	4
BM 30173	Hub		1
BM 62672	Hub gasket		1
BM 30848	Spindle	5/8"-18 thread	1
BM 30849	Spindle washer	Fibre	1
BM 26538	Spindle shim		1



Motor—Side View

FAN (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	BM 18093	Spindle nut	5/8"-18x3/8"	1
...	BM 30176	Spindle spring		1
...	BM 306	Spindle ball	9/16"	1
...	BM 30177	Ball retainer		1
...	BM 29725	Supporting arm		1
...	BM 2337	Supporting arm screw	1/2"-13x1-5/8"	1
...	BM 29898	Belt		1

MOTOR

...	CM 31060	MOTOR ASSEMBLY		1
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CYLINDER

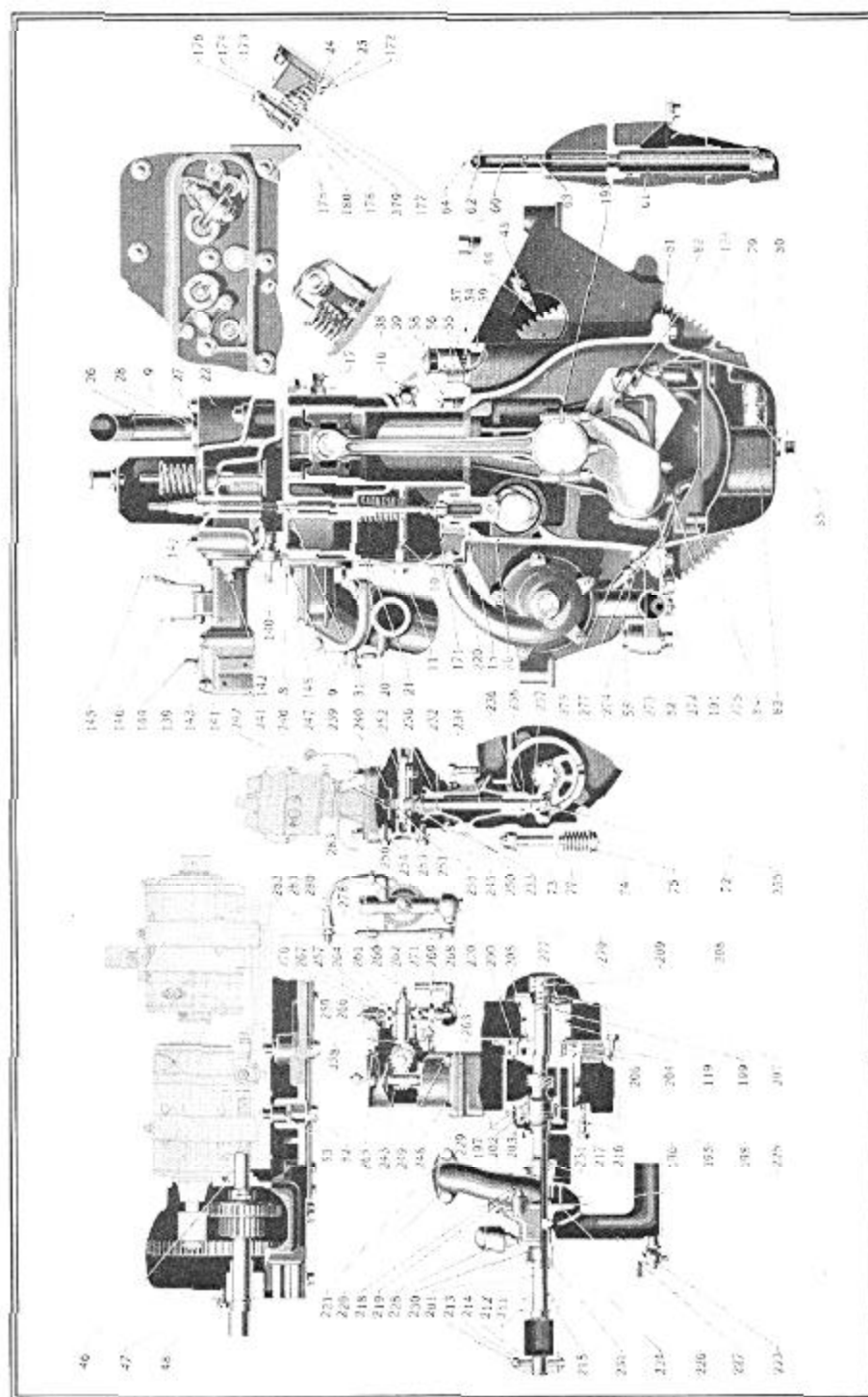
...	CM 30050	CYLINDER ASSEMBLY AND PISTONS COMPLETE		1
...	CM 29941	CYLINDER ASSEMBLY		1
...	BM 13194	Welch plug	1-1/4"	8
...	BM 14112	Welch plug	1"	2
...	BM 29906	Rocker arm push rod guide-lower		8
...	BM 29902	Exhaust valve stem guide		6
...	BM 29883	Tappet guide		12
...	BM 29916	Cylinder head stud-short		7
...	BM 29915	Cylinder head stud-long		16
...	BY 551	Cylinder head stud nut	7/16"-14x7/16"	20
...	BM 51758	Cylinder head stud extension nut		3
...	BM 13143	Exhaust manifold stud	3/8"-16x1-21/32"	12
...	BM 110	Exhaust manifold stud nut	3/8"-16x3/8"	12
...	BM 18288	Cylinder side plate stud	3/8"-16x4"	4
...	BM 9542	Cylinder side plate stud nut		4
...	BM 30088	Cylinder side plate stud nut gasket		4
...	BM 13169	Fan lever stud		1
...	BM 2334	Fan lever stud gasket		1
...	BM 29030	Cylinder water outlet washer		2
...	BM 29908	Cylinder to crankcase gasket		1
...	BM 18118	Drain cock		1
...	BM 30287	Cylinder head indicator plug		1
...	GM 20041	FRONT SIDE PLATE AND GASKET ASSEMBLY		1
...	GM 20045	REAR SIDE PLATE AND GASKET ASSEMBLY		1
...	BM 25304	Front gasket		1
...	BM 25305	Rear gasket		1
...	BM 13073	Horn bracket stud	5/16"-18x1 I4."	2
...	BZ 122	Horn bracket stud nut	5/16"-18x5/16"	2

CYLINDER HEAD

22	CM 31065	CYLINDER HEAD ASSEMBLY (Includes welch plugs, studs and guides)		1
23	BM 29863	Cylinder head gasket		1
...	BM 751	Welch plug	7/8"	3
24	BM 52317	Rocker arm bracket stud	3/8"-16x1-15/16"	12
...	BM 110	Rocker arm bracket stud nut	3/8"-16x3/8"	12
25	BM 29342	Rocker arm bracket stud nut lock plate		12
26	BM 29901	WATER OUTLET MANIFOLD ASSEMBLY		1
27	BM 356	Water outlet manifold gasket		2
28	BM 52317	Water outlet manifold stud		4
...	BM 110	Water outlet manifold stud nut		4
29	BM 29021	Inlet valve stem guide		6
30	BM 29905	Rocker arm push rod guide-upper		6
31	BM 29907	Cylinder head dowel		2
32	BM 29865	Cylinder head cover		1
33	BM 29866	Cylinder head cover gasket		1
34	BM 70158	Cylinder head cover bolt	5/16"-18x31"	3
35	BM 29934	Coil bracket		1
...	BM 925	Cable tube clip stud	5/16"-18x1-1/8"	2
...	BZ 122	Cable tube clip stud nut	5/16"-18x5/16"	2

CRANKCASE

...	CM 30239	CRANKCASE COMPLETE		1
...	CM 30238	CRANKCASE AND BEARINGS ASSEMBLY		1
...	BM 13193	Welch plug	1-3/4"	1
...	GM 23169	Crankcase to cylinder stud-long	1/2"-13x3-9/16"	6
...	GM 13139	Crankcase to cylinder stud-short	1/2"-13x2-1/2"	7
...	BM 108	Crankcase to cylinder stud nut	1/2"-13	13
...	BM 29911	Crankcase to cylinder stud-medium	1/2"-13x3-1/4"	2
...	BM 70240	Crankcase to cylinder stud nut	1/2"-13x1/4"	2



Motor—End View

CRANKCASE (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
40	BM 15090	Front bearing stud-long	1/2"-13 and 1/2"-20x4-27/32"	2
41	BM 15091	Front bearing stud-short	1/2"-13 and 1/2"-20x4-27/32"	2
42	BM 23569	Middle bearing stud	9/16"-12 and 1/2"-20x4-31/32"	4
...	BM 15093	Rear bearing bolt-long	1/2"-20x4-3/4"	2
...	BM 15094	Rear bearing bolt-short	1/2"-20x3-7/8"	2
...	BM 18399	Bearing studs and bolts washer		12
43	BM 18382	Bearing studs and bolts nut	1/2"-20x5/8"	12
44	GM 13120	Flywheel pointer		1
45	BM 12498	Flywheel pointer screw	1/4"-20x7/16"	2
...	GM 20862	Oil indicating level plate		1
46	GM 23158	Starter operating shaft front bushing		1
47	GM 23157	Starter operating shaft rear bushing		1
48	BM 219	Starter operating shaft rear bushing bolt	5/16"-18x3/4"	1
49	BM 13100	Starter gear cover		1
50	BM 13101	Starter gear cover spring		1
51	BZ 12275	Starter gear cover spring bolt	5/16"-18x1"	1
52	BM 4946	Crankcase to generator bolt	1/2"-13x2-1/2"	3
53	GM 13115	Generator adjusting plug	1"-16x1"	3

OIL FILLER AND LEVEL INDICATOR

...	BM 23707	OIL FILLER AND VENT ASSEMBLY :Includes 23710, 23708 and 23709)		1
54	BM 23710	Oil filler cover		1
55	BM 10972	Oil filler cover spring		1
56	BM 23711	Oil filler cover screw	1"-20x1-1/8"	1
57	GM 23708	Vent tube		1
58	GM 23709	Vent tube cover		1
59	GM 14668	Filler tube		1
...	BM 13719	Oil level indicator		1
...	GM 20862	Oil level indicator plate		1
60	BM 13087	Oil level indicator glass		1
61	GM 13084	Oil level indicator tube guide		1
62	BM 16609	Oil level indicator washer-upper		1
63	BM 13088	Oil level indicator washer-lower		1
64	BM 13086	Oil level indicator glass cap		1

CRANKCASE FRONT COVER

65	BM 23645	FRONT COVER COMPLETE (Includes parts 23603 to 13097 inclusive)		1
...	23603	Front cover (Not sold separately)		1
66	GM 24928	Front cover silencer		1
67	GM 24975	Front cover silencer plate		1
68	BM 23625	Front cover camshaft thrust plate		1
69	BM 13097	Front cover felt washer		1
70	BM 23622	Front cover gasket		1
71	BT 395	Front cover bolt	5/16"-18x5/8"	1
				16

MOTOR BOLTS

72	BM 4309	Front motor bolt	1/2"-20x4-5/8" special	2
73	BZ 72	Front motor bolt nut	1/2"-20	2
74	BM 4307	Front motor bolt spring		2
75	BM 4308	Front motor bolt spring seat		2
76	GZ 230	Rear motor bolt	1/2"-20x3" special	4
...	BZ 72	Rear motor bolt nut	1/2"-20	4
77	BM 30451	Front motor support rubber pad		2
78	BM 30452	Rear motor support rubber pad		2

OIL RESERVOIR

79	CM 31244	OIL RESERVOIR ASSEMBLY (less tray)		1
...	CM 31267	OIL RESERVE TRAY ASSEMBLY (less screen)		1
80	BM 70178	Drain plug	3/4" socket type	1
81	BM 13126	Gasket		2
82	BM 203	Oil reservoir to crankcase screw	3/8"-16x5/8"	30
83	BM 31270	FILTER SCREEN ASSEMBLY		1
84	BM 62376	Baffle		6
85	BM 31273	Oil gauge-reservoir unit		1
...	BM 70434	Screw-gauge to pan		5
...	BM 70528	Screw-wire to gauge		1
...	BM 31263	Oil gauge gasket		1
...	BZ 31261	Oil gauge flange		1

When ordering give letter prefix with symbol numbers - Example: CX 28960

CRANKSHAFT AND CAMSHAFT GROUP

Illus. No.	Part No.	Description	Specifications	No. Req.
89	BM 30242	CRANKSHAFT ASSEMBLY (Includes parts to 3433 inclusive)		1
90	GM 30208	Counterweight Nos. 1, 3, 6 and 8		4
91	GM 30209	Counterweight Nos. 2 and 7		2
92	GM 30210	Counterweight Nos. 4 and 5		2
93	BM 30236	Counterweight stud-medium	1/2"-20x3-3/4"	4
...	BM 30237	Counterweight stud-short	1/2"-20x3-1/8"	12
94	BY 3433	Counterweight stud nut	1/2"-20x7/16"	20
95	BM 29896	Starting crank jaw		1
96	BM 29890	Fan pulley-"V" type		1
97	BM 23617	Fan pulley washer		1
98	GZ 636	Fan pulley key	No. 11 Woodruff	1
99	CM 29867	Camshaft		1
100	BM 22301	Thrust washer		1
101	BM 13811	Shim-thin		5
101	BM 8169	Shim-thick		7
102	BM 23619	Thrust button		1
103	BM 23620	Thrust button spring		1
104	BM 23621	Thrust button cup		1
105	BM 23290	Thrust button cup washer		1

FLYWHEEL

106	CM 31119	Flywheel		1
...	BR 70133	Clutch filler plug	3/8" pipe	1
107	BM 24183	Flywheel bolt	1/2"-20x1-13/32"	4
108	BY 3433	Flywheel bolt nut	1/2"-20x7/16"	4

VIBRATION DAMPNER

...	BM 29972	VIBRATION DAMPENER ASSEMBLY		1
109	BM 29891	Inner ring		1
110	BM 29892	Outer ring		1
111	BM 29894	Facing		2
112	BM 29893	Facing plate		1
113	BM 70242	Facing plate cap screw	Flat head 1/4"-20x3/4"	3
114	BM 29895	Spring		8

TIMING SPROCKETS AND CHAIN

115	BM 29889	Crankshaft sprocket		1
116	BM 11799	Crankshaft sprocket key	Woodruff No. "A"	1
117	BM 23607	Camshaft sprocket		1
118	BM 70006	Camshaft sprocket screw	3/8"-16x7/8"	3
119	BM 23608	Water pump shaft sprocket		1
120	BM 23627	Drive chain		1

CAMSHAFT BEARINGS

121	GM 30202	Front bearing cap		1
122	GM 30203	Front middle bearing cap		1
123	GM 30204	Rear middle bearing cap		1
124	GM 30336	Rear bearing cap		1
...	BM 13569	Front and rear bearing cap packing		7
...	BM 30206	Middle bearing plate		2
125	BM 30576	Front bearing-upper		1
126	BM 30577	Front bearing-lower		1
127	BM 30578	Front middle bearing-upper		1
128	BM 30579	Front middle bearing-lower		1
129	BM 30580	Rear middle bearing-upper		1
130	BM 30581	Rear middle bearing-lower		1
131	BM 30582	Rear bearing-upper		1
132	BM 30583	Rear bearing-lower		1
133	BM 2335	Bearing screw		8
134	BM 30800	Front bearing shim	.002" thick	4
134	BM 30801	Front bearing shim	.005" thick	2
134	BM 30802	Front bearing shim	.0325" thick	8
...	BM 30803	Middle bearing shim	.002" thick	8
...	BM 30804	Middle bearing shim	.005" thick	4
...	BM 30805	Middle bearing shim	.0325" thick	16
...	BM 30806	Rear bearing shim	.002" thick	4
...	BM 30807	Rear bearing shim	.005" thick	2
...	BM 30808	Rear bearing shim	.0325" thick	8

CRANKSHAFT BEARINGS

Illus. No.	Part No.	Description	Specifications	No. Req.
135	BM 13033	Front bearing		1
...	GM 12411	Front bearing dowel pin	1/4"x 7/8"	1
136	BM 23927	Front middle bearing		1
137	BM 23929	Rear middle bearing		1
138	BM 13036	Rear bearing		1
...	BM 12237	Front and rear middle bearing dowel pin	1/4"x11/16"	2
...	GO 12356	Rear bearing dowel pin	1/4"x1-1/4"	1

INTAKE MANIFOLD

139	BM 31069	Intake manifold		1
140	BM 31070	Intake manifold gasket		1
141	BM 29921	Intake manifold to riser gasket		1
142	GZ 394	Intake manifold cap screw	3/8"-16x1-1/4"	2
143	BM 70241	Intake manifold cap screw	5/16"-18x3"	4
144	GO 12214	Intake manifold elbow	1/8" pipe x7/16"-20	1
145	BM 29952	Damper control lever-inner		1
146	BM 29954	Damper control lever-outer		1
147	BM 29953	Damper control shaft		1
...	GZ 4505	Taper pin	No. 00x5/8"	2

EXHAUST MANIFOLD

148	CM 31216	Exhaust manifold		1
...	BM 29910	Gasket-single		2
...	BM 29909	Gasket-double		2
...	BM 70239	Stud	3/8"-16x1-5/8"	2
...	BM 70247	Stud nut	3/8"-16x38" Brass	2
...	GZ 7115	Manifold to damper body bolt		3
...	BM 70247	Manifold to damper body bolt nut		3
149	BM 22296	Packing		3
150	BM 8228	.Packing nut		1
...	BM 299221	Riser gasket		1
152	BM 29363	Damper gasket		1
...	BM 29929	Outlet tube		1
154	BM 29931	Outlet tube packing		1
155	BM 29930	Outlet tube packing nut		1
NOTE: The exhaust damper assembly and all its parts will be serviced directly through the Marvel Carburetor Company, Flint, Michigan.				
	BM 29364	Damper operating rod		1
	BZ 5771	Adjustable yoke	3/16"	1
	BZ 5825	Clevis pin	3/16"x11/16"	2
	BZ 12799	Nut	No. 10-32x1/8"	1

VALVES

157	BM 29094	Inlet valve		6
...	BM 29021	Inlet valve stem guide		6
158	BM 29338	Inlet valve spring-outside		6
159	BM 29339	Inlet valve spring-inside		6
160	BM 29034	Inlet valve spring seat		6
161	BM 29903	Exhaust valve		6
	BM 29902	Exhaust valve stem guide		6
162	BM 29985	Exhaust valve spring		6
163	BM 13043	Exhaust valve spring seat		6
164	BM 29341	Valve spring seat retainer		12

VALVE TAPPET

...	BM 29946	VALVE TAPPET AND GUIDE ASSEMBLY		12
165	BM 29884	Tappet		12
...	BM 29883	Tappet guide		12
166	BM 29885	Roller		12
167	BM 2t886	Roller pin		12
168	BM 26537	Adjusting screw		12
169	BM 23204	Adjusting screw nut		12
170	BM 60099	Adjusting screw plate		12
171	BM 29882	Guide locating washer		6
...	BM 13050	Guide clamp		6

ROCKER ARM AND PUSH ROD

172	BM 31057	Rocker arm		6
173	BM 31058	Rocker arm bracket-R. H.		3
...	BM 31059	Rocker arm bracket-L. H.		3
174	BM 50105	Hyatt roller bearing		6
175	BM 29018	Pivot		6
176	BR 3488	Pivot nut	7/16"-20x29/64"	6
177	BM 29019	Pivot washer		

ROCKER ARM AND PUSH ROD (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
178	BM 29037	Silencing spring		6
179	BM 29038	Silencing spring cup		6
180	GY 553	Silencing spring cup bolt	1/4"-20x5/8"	6
181	BM 51759	Oiler		6
182	BY 18164	Oiler nut	3/8"-24x3/16"	6
183	BM 29912	Push rod		6
...	BM 29905	Push rod guide-upper		6
...	BM 29906	Push rod guide-lower		6

PISTON

184	BM 29937	Piston		5
185	BM 22702	Piston pin (Furnished in standard; also .002", .005", .010", .015" and .020" oversize)		6
186	BM 22706	Piston ring (Furnished in standard; also .005", .010", .015" and .020" over-size)		6
187	BM 29517	Piston ring-oil regulating (Furnished in standard; also .005", .010", .015" and .020" oversize)		12
188	BM 28207	Piston pin lock ring		12
NOTE: When ordering pistons, be certain Co supply cylinder size, which will be found stamped on the exterior of the cylinder under the cylinder-side plate. Also piston weight, which will be found stamped on top of each piston. When possible, place orders with your Hudson and Essex dealer.				

CONNECTING ROD

189	BM 30563	Connecting rod complete-R. H. (For cylinders 1-3-5)		3
...	BM 30564	Connecting rod complete-L. H. (For cylinders 2-4-6)		3
190	BM 30570	Connecting rod dipper		6
191	BM 30565	Connecting rod bolt		12
192	BM 30566	Connecting rod bolt nut		12
193	BM 30569	Connecting rod shim	.002" thick	24
...	BM 30568	Connecting rod shim	.005" thick	12
...	BM 30567	Connecting rod shim	.0325" thick	48
194	BM 30573	Connecting rod bushing-upper end		8

ADJUSTING ECCENTRIC AND WATER PUMP GROUP

195	BM 23609	ADJUSTING ECCENTRIC ASSEMBLY		1
...	23712	Eccentric body Not sold separately)		1
196	BM 27436	Eccentric body gasket		1
197	BM 23714	Eccentric body bushing		1
198	BM 3637	Eccentric body bushing dowel pin	1/8"x5/8"	1
199	BM 23713	Eccentric		1
200	GO 18318	Eccentric bolt	1/4"-20x3/4"	3
201	BM 30319	Water pump drive shaft		1
202	BM 23702	Water pump drive shaft thrust washer		1
203	BM 18183	Water pump drive shaft thrust washer screw	No. 8-32x5/8"	3
204	BM 23703	Water pump sprocket thrust washer		1
205	BM 18194	Water pump sprocket thrust washer dowel pin	1/4"x7/16"	1
206	BM 23701	Water pump sprocket thrust washer spring		3
207	BM 23629	Floating coupling		1
208	BM 23628	Stationary coupling		1
209	BZ 115	Stationary coupling key	Woodruff No. 9	1
...	BM 16327	Stationary coupling pin	3/16"x1-5/8"	1
211	BM 21438	Generator coupling		1
212	BM 25116	Generator coupling clamp		4
213	GO 18228	Generator coupling clamp bolt	1/4"-28x2-3/8"	2
214	BM 794	Generator coupling clamp bolt nut	1/4"-28 x 7/32"	2
215	GM 23162	Generator coupling sleeve		1
...	BZ 115	Generator coupling sleeve key	Woodruff No. 9	1
216	BM 30321	WATER PUMP BODY ASSEMBLY (Includes bushing)		1
217	BM 30294	Water pump body bushing	Front	1
...	BM 3637	Water pump body bushing dowel pin		1
218	BM 271	Water pump body bolt	1/4"-20x1-1/4"	5
219	BM 272	Water pump body bolt nut	1/4"-20x1/4"	5
220	BM 13127	Water pump body to cylinder gasket		1
221	BZ 12275	Water pump body to cylinder bolt	5/16"-18x1"	2
...	BM 70225	Water pump body to cylinder bolt gasket		1
...	GO 18062	Water pump body to crankcase bolt	5/16"-18x1 4"	3
223	BM 30322	WATER PUMP COVER ASSEMBLY (Includes bushing)		1
224	BM 30295	Water pump cover bushing	Rear	1
...	BM 3637	Water pump cover bushing dowel pin	1/8"x5/8"	1
225	BM 14041	Water pump cover gasket		1
226	BM 30291	Water pump paddle		1

ADJUSTING ECCENTRIC AND WATER PUMP GROUP (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	BM 12213	Water pump paddle taper pin	No. 3x1-3/8"	1
...	BZ 115	Water pump paddle key	Woodruff No. 9	1
227	BM 18118	Water pump drain cock	1/4" pipe	1
228	BM 18192	Water pump grease cup		1
229	BM 30292	Water pump packing nut-front	1-1/4"-18 tap R.H. thread	1
230	BM 30293	Water pump packing nut-rear	1-1/4"-18 tap L.H. thread	1
231	BM 30296	Water pump packing		2

DISTRIBUTOR DRIVE AND OIL PUMP GROUP

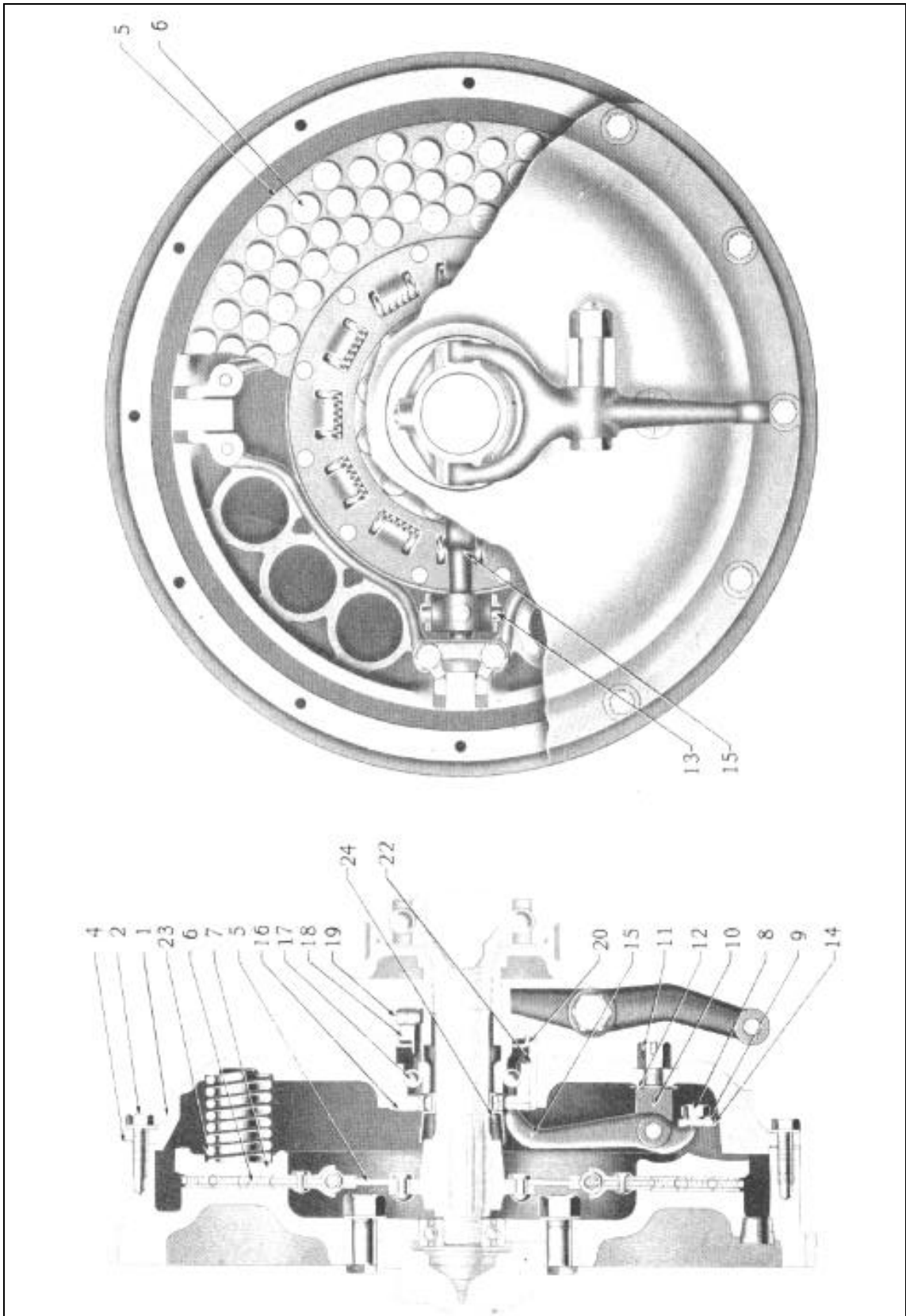
...	BM 23917	DISTRIBUTOR DRIVE SHAFT AND BRACKET ASSEMBLY		1
232	BM 24469	Bracket		1
233	BM 23239	Bracket gasket		1
234	BM 23611	Drive shaft		1
235	BZ 124	Drive shaft nut	3/8"-24x13/32"	2
236	BM 24468	Drive shaft bushing		2
237	BM 4923	Drive shaft key	Woodruff No. 4	1
238	BM 23613	Drive shaft driven gear	21 teeth	1
239	BM 22691	Distributor gasket		1
240	BM 23165	Drive washer		1
241	BM 18158	Drive washer bolt	1/4"-28x1/2"	1
242	BM 23166	Drive washer bolt lock		1
243	BM 13063	Oil pump drive worm		1
...	BZ 7911	Oil pump drive worm taper pin	No. 00x3/4"	1
245	BM 23652	Oil pump drive gear housing		1
246	BM 13073	Housing stud	5/16"-18x1-1/4"	3
247	BZ 122	Housing stud nut	5/16"-18x5/16"	3
248	BM 304	Housing bolt	3/8"-16x1"	1
249	BR 1308	Housing bolt	3/8, '"-16x1-1/8"	2
250	BM 30187	Worm wheel	14 teeth	1
251	BM 26586	Worm wheel shim		1
252	BM 29927	Worm wheel bushing		2
253	BM 30189	Worm wheel shaft		1
254	BM 30188	Bearing		1
255	BM 30087	Bearing gasket		1
255	BM 30665	Bearing shim		1
256	BM 219	Bearing bolt	5/16"-18x3/4"	2

OIL PUMP

...	BM 30248	OIL PUMP AND PLUNGER ASSEMBLY.		1
257	BM 29923	Oil pump body		1
258	BM 13072	Body gasket		1
259	BM 30084	Oil pump oil deflector		1
260	BM 120	Body pipe plug		1
261	BM 101	Steel ball		1
262	BM 30199	Main plunger		1
263	BM 29925	Main plunger spring		1
264	BM 20442	Distributor plunger		1
265	BM 19959	Distributor plunger spring		1
266	GM 19960	Distributor plunger plug		1
267	BM 6791	Distributor plunger plug gasket		1
268	BM 30247	Inlet connection		1
269	BM 18379	Inlet connection gasket		1
270	BM 28331	Bowl		1
271	BM 70285	Steel ball		1

OIL PIPES AND FITTINGS

272	BM 29879	Filter to crankcase pipe assembly		1
273	BM 5655	Clamp		1
274	BM 13077	Union	1/2"-20 and 5/8"-18	1
275	GM 22433	Clip		1
...	BO 18138	Clip screw	No. 10-32x5/8"	1
276	BM 31393	Oil pump to crankcase pipe assembly		1
277	BM 11828	Union nut	5/16"	2
278	GO 18197	Clip	5/16"	1
279	BM 11829	Elbow	3/8" pipe and 7/16"-20	1
280	BM 30023	Oil pump to union pipe assembly		1
...	BM 12116	Elbow	1/8" pipe and 7/16"-20	1
...	BM 30024	Union to gauge pipe assembly		1
281	BM 11842	Oil pump to union and union to gauge pipes union nut	1/4"	4
282	BO 12112	Oil pump to union and union to gauge pipes union	1/4" double	1
283	GO 12214	Elbow-oil pump to union tube		1



Clutch Assembly

MUFFLER AND EXHAUST PIPE

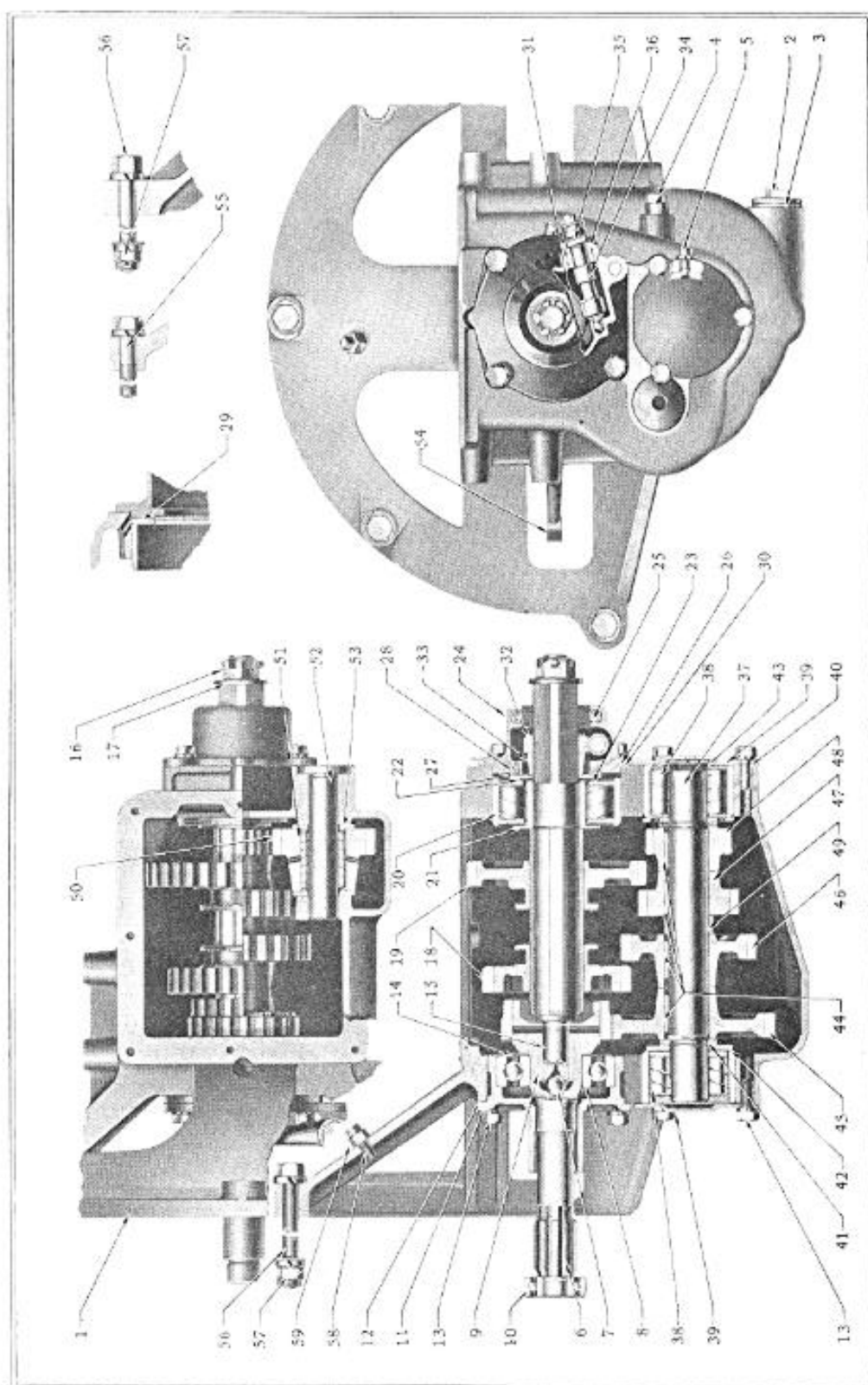
Illus. No.	Part No.	Description	Specifications	No. Req.
...	A 31529	MUFFLER ASSEMBLY		1
...	CM 31001	Exhaust pipe		1
...	BM 13826	Exhaust pipe covering		2
...	BM 2397	Exhaust pipe covering strap		3
...	BZ 16498	Exhaust pipe clamp		1
...	CM 30114	Tail pipe		1
...	BZ 16499	Tail pipe clamp		1
...	BM 219	Exhaust and tail pipe clamp bolt	5/16"-18x3/4"	4
...	BZ 12275	Exhaust and tail pipe clamp bolt	5/16"-18x1"	2
...	BZ 122	Exhaust and tail pipe clamp bolt nut	5/16"-18x5/16"	6
...	BM 30115	Tail pipe clip-front		1
...	BM 18062	Tail pipe clip bolt	5/16"-18x1-1/4"	1
..	BZ 122	Tail pipe clip bolt nut	5/16"-18x5/16"	1
...	BZ 54709	Tad pipe clip (Attaches to gas tank strap)		1
...	BZ 54710	Tail pipe clip cap		1
...	BZ 12275	Tail pipe clip cap bolt	5/16"-18x1"	1
...	BZ 122	Tail pipe clip cap bolt nut	5/16"-18x5/16"	1

CLUTCH

...	BR 31115	CLUTCH ASSEMBLY		1
1	BR 31120	Cover		1
2	BZ 908	Cover bolt	5/16"-18x7/8"	8
4	BR 31133	Cover gasket		1
5	BR 31159	DRIVING PLATE ASSEMBLY		1
6	BR 598	Driving plate cork		144
7	BR 31121	Pressure plate		1
8	BM 219	Pressure plate cap screw	5/16"-18x3/4"	8
9	BR 29523	Pressure plate cap screw lock plate		4
10	BR 31132	Toggle bracket		4
11	BM 18404	Toggle bracket nut	7/16"-20x17/32"	4
12	BR 62282	Toggle bracket gasket		4
13	BR 62288	Toggle arm pin		4
14	BR 62289	Toggle arm lock plate		4
15	BR 31131	Shifter finger		4
16	BR 31128	Shifter plate		1
....	BR 70490	Rivet	1/8"x11/32"	2
17	BR 18224	Thrust bearing		1
18	BR 31221	THRUST BEARING RETAINER ASSEMBLY		1
19	BZ 9773	Thrust bearing retainer pipe plug	4" headless	1
20	BR 31129	Thrust bearing retainer washer		1
22	BR 31117	SHIFTING SLEEVE ASSEMBLY		1
23	BR 29359	Main spring		12
24	BR 30899	Oil deflector		1

TRANSMISSION

...	CT 31228	TRANSMISSION ASSEMBLY	4-5/12 to 1 R.A. ratio	1
...	CT 31230	TRANSMISSION ASSEMBLY	4-1/13 to 1 R.A. ratio	I
1	CT 31086	Transmission case		I
...	BT 22812	Case cover gasket		I
2	BS 9956	Case drain plug	1/4"-20	1
3	BS 9957	Case drain plug gasket		1
4	BZ 2346	Case oil level pipe plug	3/8" extension head	1
5	BT 10848	Case bearings lock screw		3
6	BT 29371	Main shaft drive gear		1
7	BT 57	Main shaft drive gear steel ball	3/8"	1
8	BT 70136	Main shaft drive gear outer ball bearing	N. D. 1308	1
9	BT 29373	Main shaft drive gear inner bushing		1
10	BT 70138	Main shaft drive gear pilot ball bearing	N D. 1204	1
11	BT 31134	Front bearing cap		1
12	BT 22807	Front bearing cap gasket		1
13	BM 304	Front bearing cap screw	3/8"-16x1"	4
15	BT 29372	Main shaft		1
16	GT 3014	Main shaft nut	3/4"-16x9/16" slotted head	1
17	BT 2751	Main shaft nut washer		1
18	BT 16348	Main shaft high and intermediate gear	25 teeth	1
19	BT 9809	Main shaft low and reverse gear	31 teeth	1
20	BT 9838	Main shaft rear bearing		1
21	BT 9831	Main shaft rear bearing front steel washer		1
22	BT 9832	Main shaft rear bearing rear steel washer		1
23	BT 10977	Main shaft rear bearing shims-thin	.010" thick, square hole	1
23	BT 10976	Main shaft rear bearing shim-thick	.090" thick, square hole	1
...	GT 30860	REAR BEARING CAP ASSEMBLY	4-5/12 to 1 ratio.	1



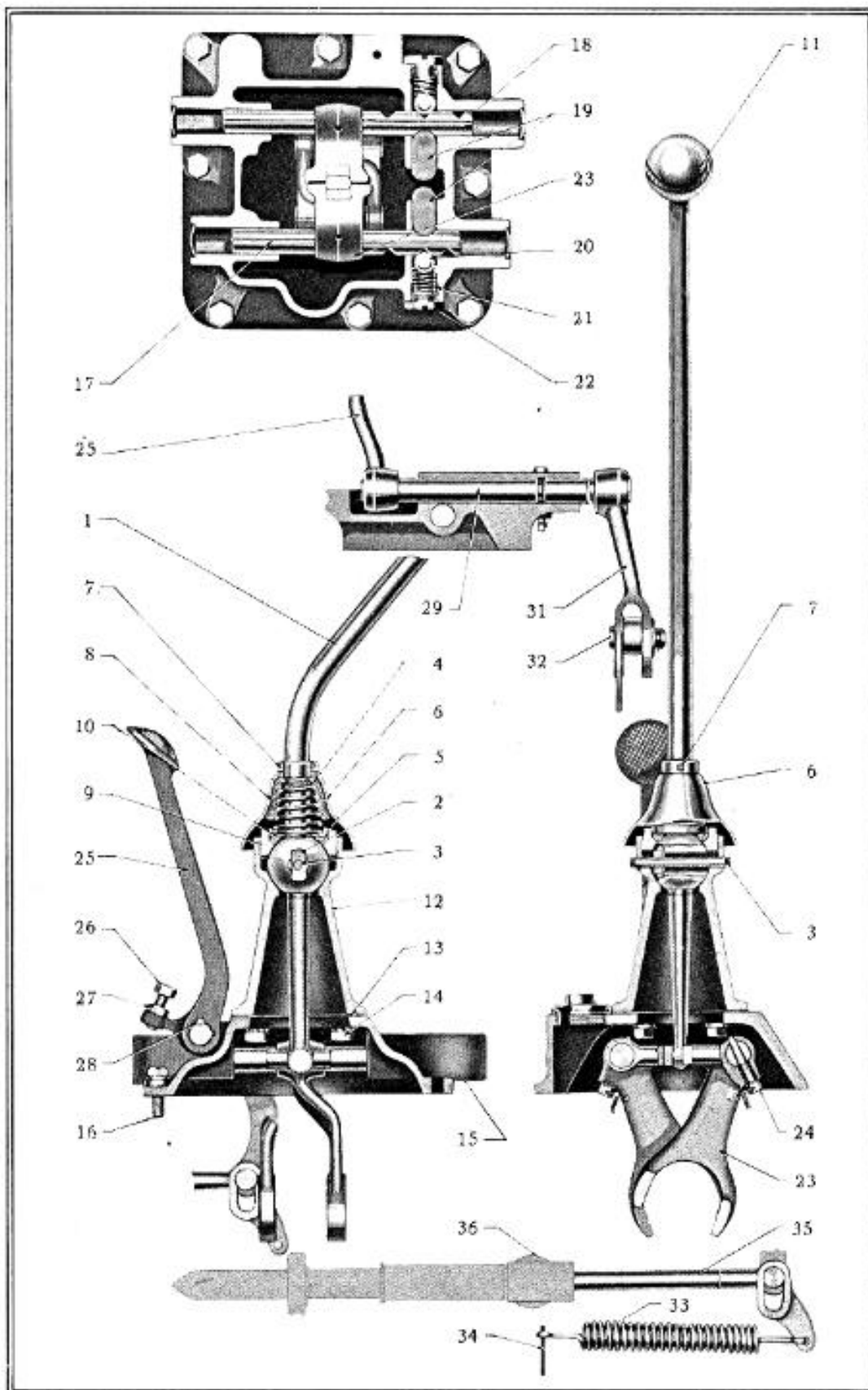
Transmission Assembly

TRANSMISSION (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	GT 30861	REAR BEARING CAP ASSEMBLY	4-1/13 to 1 ratio	1
24	BT 22745	Rear bearing cap		1
25	BT 6457	Rear bearing cap felt washer		1
26	BT 9828	Rear bearing cap gasket		1
	BM 304	Rear bearing cap screw	3/8"x16x1"	3
27	BT 9833	Rear bearing cap bronze washer		1
28	BT 10965	Rear bearing cap bronze washer dowel pin	1/8"x5/16"	1
29	BT 10964	Rear bearing cap oil guide		1
...	GZ 3874	Rear bearing cap oil guide rivet	Button head 1/8"x5/8	2
30	BT 9820	Rear bearing cap shim	.005"	1
30	BT 9821	Rear bearing cap shim	.010"	1
30	BT 9822	Rear bearing cap shim	.016"	1
...	BT 29079	Speedometer drive gear	4-1 /13 to 1 R. A. ratio	1
31	BT 29842	Speedometer drive gear	4-5/12 to 1 R. A. ratio	1
32	GO 23071	Speedometer drive gear washer		1
33	BT 22942	Speedometer drive gear spacer		1
...	BT 29078	Speedometer drive pinion	4-1/13 to 1 R. A. ratio	1
34	BT 29841	Speedometer drive pinion	4-5/12 to 1 R. A. ratio	1
35	BT 23871	Speedometer drive pinion sleeve		1
36	BT 22753	Speedometer drive pinion shim		1
37	BT 9805	Countershaft		1
38	BT 9837	Countershaft bearing		2
39	GT 9826	Countershaft bearing cap		2
40	BT 9827	Countershaft bearing cap gasket		2
...	BM 304	Countershaft bearing cap bolt	3/6""-16x1"	6
41	BT 10171	Countershaft bronze washer		2
42	BT 10170	Countershaft steel washer		2
43	BT 10684	Countershaft shim-rear end	.005"	1
43	BT 10683	Countershaft shim-rear end	.010"	1
43	BT 10682	Countershaft shim-rear end	.016"	1
44	BT 396	Countershaft gear key	Woodruff No. 18	4
45	BT 16349	Countershaft drive gear	30 teeth	1
46	BT 16350	Countershaft second gear	23 teeth	1
47	NT 355	Countershaft low gear	17 teeth	1
48	BT 9812	Countershaft reverse gear	14 teeth	1
49	GT 357	Countershaft gear spacing collar		1
50	BT 9811	Reverse idler gear		1
51	BT 7476	Reverse idler gear bearing		1
52	BT 9806	Reverse idler gear shaft		1
53	BT 24523	Reverse idler gear thrust washer		1
...	BT 31143	CLUTCH THROWOUT YOKE ASSEMBLY		1
...	BT 24473	Clutch throwout yoke bushing		1
...	BT 24472	Clutch throwout yoke bolt	1/2"-20x2-3/4'	1
...	BY 3433	Clutch throwout yoke bolt nut	1/2"-20x7/16"	1
55	BM 113	Transmission to crankcase bolt	1/2"-13x2-1/4"	2
56	BT 70487	Transmission to crankcase shoulder bolt	1/2"-20x3-9/16"	2
57	BZ 72	Transmission to crankcase bolt nut	12"-20x9/16"	3
58	BO 18161	Starter pedal stop set screw	5/16"-18x7/43"	1
59	BZ 122	Starter pedal stop set screw nut	5/16"-18x5/16"	1

CONTROL LEVERS

...	BS 31044	CONTROL LEVER ASSEMBLY		1
1	BS 24981	Gear shift lever		1
2	BS 24980	Gear shift lever key		1
3	BS 22840	Gear shift lever pin		1
4	BS 22838	Gear shift lever spring		1
5	BS 22839	Gear shift lever spring seat		1
6	BS 22842	Gear shift lever cover		1
7	BS 3037	Gear shift lever cover taper pin	No. 2x1"	1
8	BS 30053	Gear shift lever cover silencer		1
9	BS 22841	Gear shift lever ball cup		1
10	BS 22837	Gear shift lever felt washer		1
11	BS 29170	Gear shift lever ball		1
12	BS 30092	Gear shift lever housing		1
13	BS 22844	Gear shift lever housing gasket		1
14	BM 219	Gear shift lever housing bolt	5/16"-18x3/4"	4
15	BS 29073	TRANSMISSION CASE COVER		1
16	BZ 12275	Transmission case cover cap screw	5 /16"-18x1"	8
...	GO 18096	Transmission case cover clevis pin	3/16"x1-1/2"	1
17	BS 22852	Second and high gear shifting shaft		1
18	BS 22851	Low and reverse gear shifting shaft		1
19	BS 22853	Shifting shafts lock		2
20	BM 306	Shifting shafts lock ball	9/16"	2
21	BS 22858	Shifting shafts lock ball spring		2
22	BS 22859	Shifting shafts lock ball spring cap	3/4"-16 thread	



CONTROL LEVERS (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
23	BS 22854	Shifting fork		2
24	BS 22855	Shifting fork screw	5/16"-24 thread	2
25	BZ 31045	STARTER PEDAL		1
26	BZ 3095	Starter pedal stop screw		1
27	BZ 122	Starter pedal stop screw lock nut		1
28	BZ 1015	Starter pedal taper pin	No. 2x1-1/4"	1
29	BS 31046	Starter pedal shaft		1
...	BZ 142	Starter pedal shaft key	Woodruff No. 6	2
31	GZ 22873	Starter pedal shaft lever		1
...	BZ 1015	Starter pedal shaft lever taper pin	2"x1-1/4"	1
32	GZ 719	Starter pedal shaft lever clevis pin		1
33	BS 13294	Starter pedal shaft lever spring		1
34	GZ 13295	Starter pedal shaft lever spring clip		1
35	GZ 22874	Starter pedal operating rod		1
36	BM 18192	Starter pedal operating rod oil cup		1

HAND BRAKE LEVER

...	BS 29065	HAND BRAKE LEVER ASSEMBLY		1
1	BS 29067	Hand brake lever		1
...	BS 62331	Hand brake lever bushing		1
2	BS 62332	Hand brake lever bracket		1
3	BR 1308	Hand brake lever bracket bolt	3/8"-16x1-1/8"	1
...	BM 110	Hand brake lever bracket bolt nut	3/8"-16x3/8"	1
4	BS 62333	Hand brake lever shaft		1
...	BS 70495	Hand brake lever shaft taper pin	No. 2x1"	1
5	BS 62334	Brake lever pivot spring		1
6	BS 29071	Hand brake lever pull rod pivot		1
...	BR 611	Hand brake lever pull rod front nut	5/16"-24x17/64"	1
7	BS 62327	Latch-inside		1
8	BS 62328	Latch-outside		1
9	BZ 8683	Latch clevis pin	5/16"x1"	1
...	BM 12440	Latch clevis pin	1/4"x59/64"	1
10	BS 62329	Latch spring		1
11	BS 62330	Latch spring hook		1
12	BS 29069	Latch rod		1
13	BS 22861	Latch grip		1
14	BS 12123	Latch grip screw	No. 10-32x13/16"	1
...	BS 7435	Latch grip screw nut	No. 10-32x3"	1
15	BS 62872	Ratchet		2
16	BS 6705	Ratchet bolt	3/8"-16x2-1/8"	2
...	BM 110	Ratchet bolt nut	3/8"-16x3/8"	2
17	BS 62325	Ratchet spacer		2
18	BS 62326	Ratchet frame spacer		2

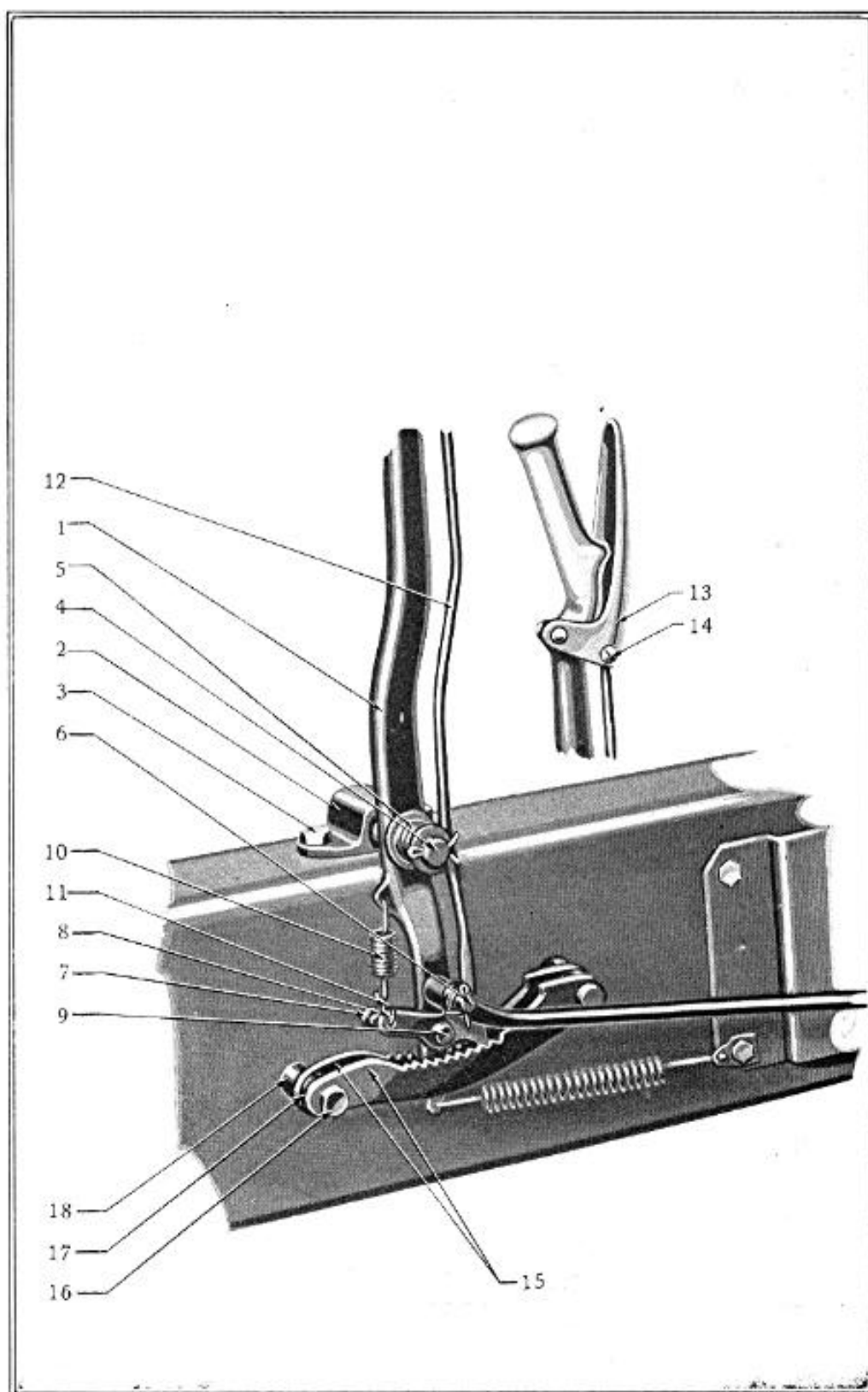
PEDAL CONTROL

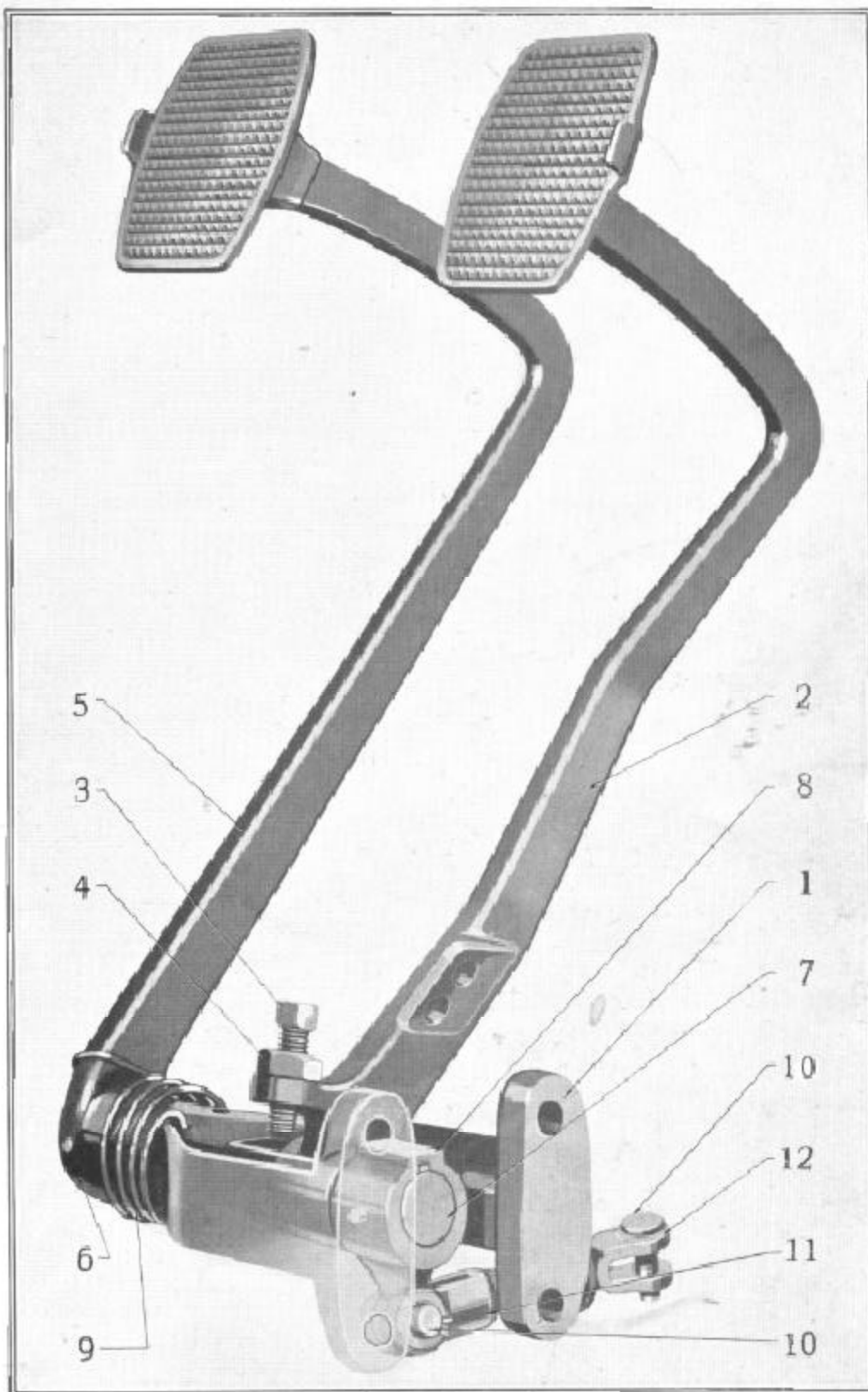
..	GZ 31029	PEDAL CONTROL ASSEMBLY		1
1	BZ 24889	PEDAL BRACKET ASSEMBLY (Includes bushing)		1
...	GZ 24888	Pedal bracket bushing		2
...	BR 1308	Pedal bracket bolt		4
2	GZ 31032	Brake pedal assembly		1
...	BZ 25447	Brake pedal bushing		1
3	BX 18341	Brake pedal set screw		1
4	BZ 5402	Brake pedal set screw nut		1
5	GZ 31031	Clutch pedal assembly		1
6	BZ 1015	Clutch pedal taper pin		1
7	GZ 31037	Clutch pedal shaft		1
...	BZ 115	Clutch pedal shaft key		1
8	BZ 30744	Clutch pedal shaft lever		1
...	BZ 1015	Clutch pedal shaft lever taper pin		1
9	BZ 23083	Clutch pedal spring		1
10	BY 3212	Clutch pedal clevis pin		1
11	BZ 29544	Clutch pedal link		1
12	BZ 23531	Clutch pedal adjustable link		1
	BZ 62	Clutch pedal adjustable link nut		1
	BY 3212	Clutch pedal adjustable link clevis pin		1

VACUUM TANK CONNECTIONS AND GASOLINE PIPES

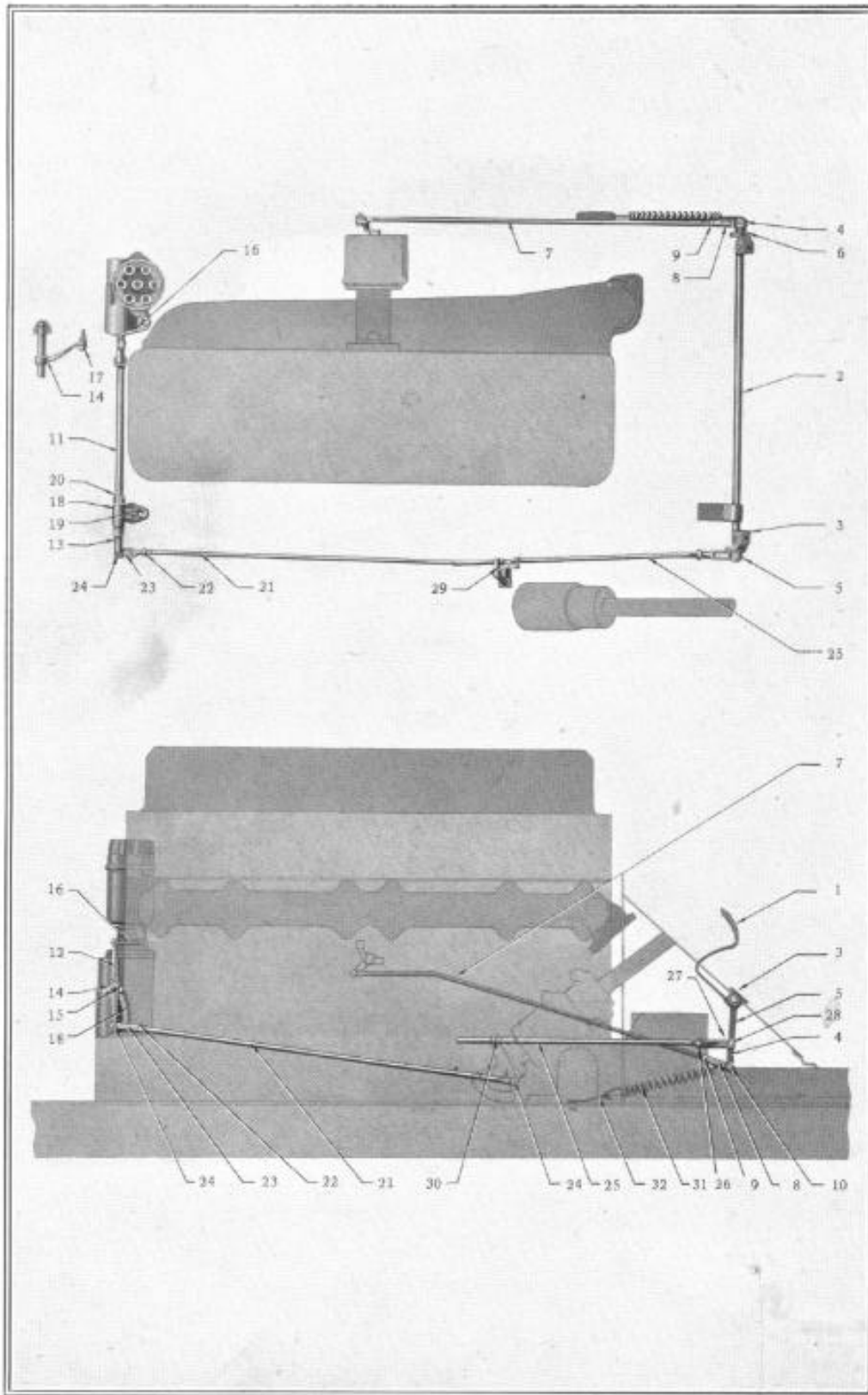
NOTE: We do not carry in stock vacuum tank assemblies or service parts for them. All matters pertaining to replacements should be taken up direct with the Stewart-Warner Speedometer Corp., Chicago, Ill.

...	BM 12370	Vacuum tank to dash bolt	1/4"-20x1-1/2"	4
...	BM 272	Vacuum tank to dash bolt nut	1/4"-20x1/4"	4
...	BM 11829	Union elbow	1/8" pipe x1/2"-20	1





Pedal Control



VACUUM TANK CONNECTIONS AND GASOLINE PIPES (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	G0 31013	Gas tank to vacuum tank pipe assembly		1
...	BM 11828	Gas tank to vacuum tank pipe union nut	1/2"-20x5/16"	2
...	G0 13733	Gas tank to vacuum tank pipe clip		7
...	B0 12126	Gas tank to vacuum tank pipe clip screw	No. 10-32x3"	4
...	BZ 12799	Gas tank to vacuum tank pipe clip screw nut	No. 10-32x1/8"	4
...	BM 31389	Vacuum tank to carburetor pipe assembly		1
...	BM 11828	Vacuum tank to carburetor pipe union nut	7/16"-20x1/4"	2
...	B0 31391	Vacuum tank to manifold pipe assembly		1
...	BM 11828	Vacuum tank to manifold pipe union nut		2
...	BZ 31355	Vacuum tank and windshield wiper suction connection		1

CARBURETOR

The carburetor and riser assembly and all its parts will be serviced directly through the Marvel Carburetor Company, Flint, Michigan.

ACCELERATOR

1	BZ 61517	Accelerator pedal		1
...	BZ 7911	Accelerator pedal taper pin	No. 00x3/4"	1
2	BZ 25327	Shaft		1
3	BZ 29469	Bracket-cross shaft to toe plate		2
4	BZ 60574	Shaft lever-long		1
5	BZ 25364	Shaft lever-short		1
...	BZ 7911	Shaft lever taper pins	No. 00x3/4"	2
6	BZ 22699	Shaft silencing spring		1
7	BZ 29455	Shaft to carburetor rod		1
8	BZ 5771	Shaft to carburetor rod yoke	3/16"-32	1
9	BZ 12799	Shaft to carburetor rod nut	No. 10-32x1/8"	1
10	BZ 5825	Shaft to carburetor rod clevis pin	3/16"x11/16"	2
...	BZ 81823	MIXTURE CONTROL ASSEMBLY		1
...	BZ 29198	Mixture control wire tube dip		1
...	BZ 82690	Mixture control shaft and wire assembly		1
...	B0 70121	Mixture control shakeproof lockwasher		1
...	BZ 70122	Mixture control nut		1

SPARK AND THROTTLE CONTROL

		SPARK CONTROL		
11	GZ 30190	Cross tube		1
12	GZ 30196	Cross tube lever-R. H.		1
13	BZ 13532	Cross tube lever-L. H.		1
14	BZ 14446	Cross tube lever clamp bolt	1/4"-28x1" special	1
15	BM 794	Cross tube lever clamp bolt nut	1/4"-28x7/32"	1
...	BZ 7911	Straight pin-lever to tube		1
16	BZ 23161	Lever to distributor link		1
17	BZ 12799	Lever to distributor link nut	No. 10-32	2
18	BZ 13527	Cross tube bracket		1
19	BM 219	Cross tube bracket bolt	5/16"-1804"	1
20	BZ 30191	Cross tube collar		1
21	BZ 29459	Steering gear to control shaft rod		1
22	BZ 12799	Steering gear to control shaft rod nut	No. 10-32	1
23	BZ 5771	Steering gear to control shaft rod yoke	3/16"-32	1
24	BZ 5825	Steering gear to control shaft rod clevis pin	3/16"x11/16"	2
		THROTTLE CONTROL		
25	BZ 30193	Throttle control rod		1
26	BM 794	Throttle control rod nut	1/4"-28x7/32"	1
27	BZ 5774	Throttle control rod clevis	1/4"x28 thread	1
28	BZ 8682	Throttle control rod clevis pin.	1/4"x7/8"	1
29	BZ 29460	Throttle control trunnion		1
30	BZ 29461	Throttle control rod collar		1
31	BZ 13542	Throttle control spring		1
32	BZ 25365	Throttle control spring clip		1

HEAT CONTROL

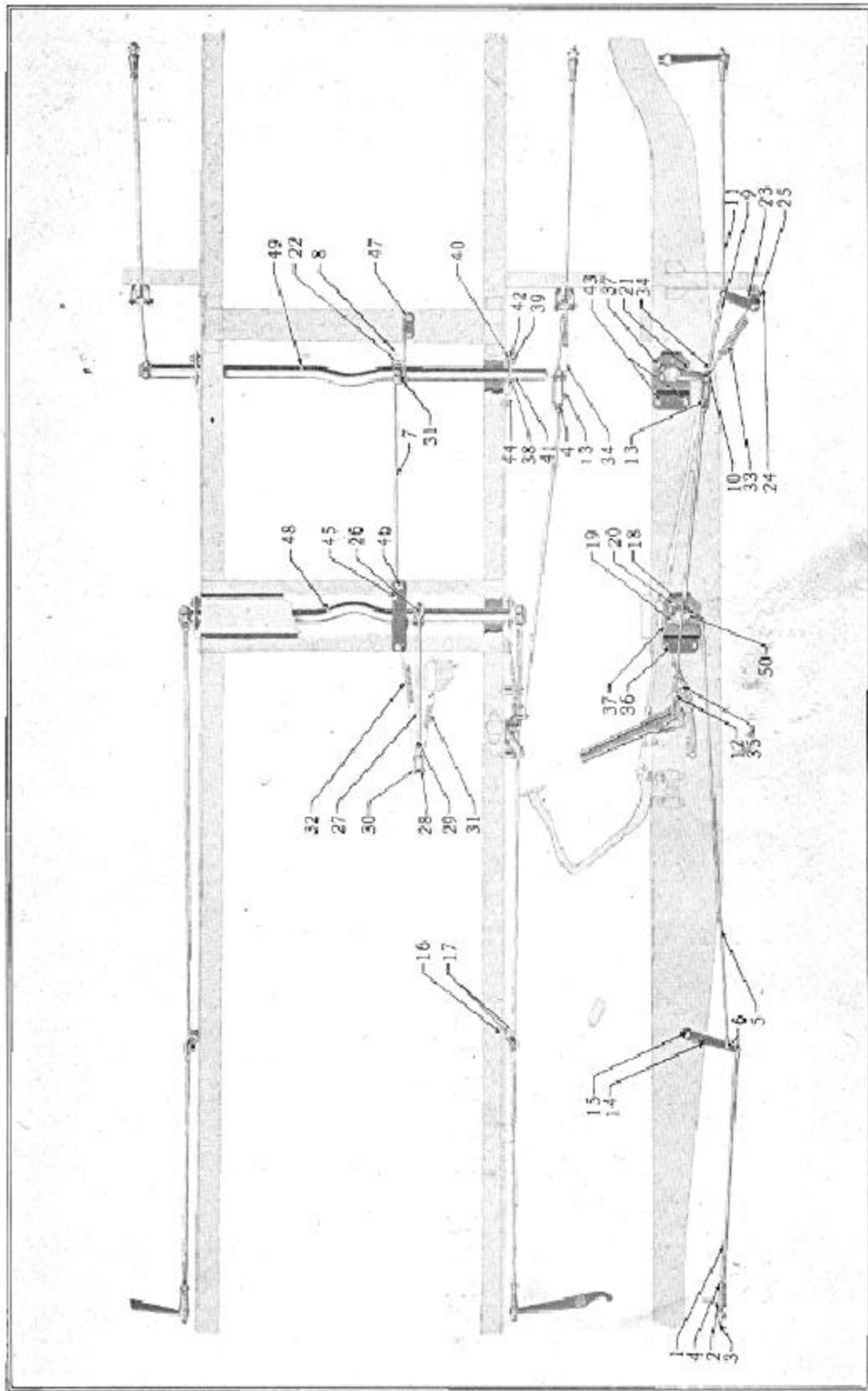
...	BZ 79754	DIAL ASSEMBLY		1
...	B0 70124	Dial attaching screw		4
...	BZ 79471	Operating lever		1
...	BZ 29195	Operating lever spring		1
...	BZ 29190	Operating lever bracket		1
...	BZ 7343	Operating lever bracket clevis pin	3/8x1-9/16"	1
...	BZ 18448	Operating lever bracket rivet	No. 9x1/4" tubular	3
...	BZ 79469	Operating rod		1
...	BM 794	Operating rod nut	1/4"-28x7/32"	1
...	GZ 70154	Operating rod clevis	1/4"-28	1

HEAT CONTROL (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	BZ 8682	Operating rod clevis pin	1/4"x7/8"	2
...	BZ 70156	Clevis pin	1/4"x9/32"	1

BRAKE CONTROL

1	BZ 31184	Brake rod—front brake to front idler lever		2
2	BZ 29243	Brake rod spring—front end		2
3	BZ 29244	Brake rod nut—front end		2
4	BR 611	Brake rod lock nut—front end		2
5	BZ 31183	Brake rod—front idler lever front to cross shaft lever		2
6	BZ 8683	Clevis pin—front idler lever		4
7	BZ 31182	Brake rod—front cross shaft to rear cross shaft		1
...	BZ 8683	Clevis pin—front cross shaft to rear cross shaft rod		2
8	BZ 29287	Play link—front cross shaft to rear cross shaft rod		1
9	BZ 31186	Brake rod—rear cross shaft to rear idler lever		2
...	BZ 8683	Clevis pin—rear cross shaft to rear idler lever rear		2
10	BZ 70301	Clevis pin—rear cross shaft to rear idler lever front		2
11	BZ 31185	Brake rod—rear idler lever to rear brake		2
...	BZ 29243	Brake rod spring—rear end		2
...	BZ 29244	Brake rod nut—rear end		2
...	BR 611	Brake rod lock nut—rear end		2
12	BZ 31008	Brake rod—hand brake to rear cross shaft lever		1
13	BZ 31187	Slide yoke—hand brake to rear cross shaft lever rod		1
	BZ 70301	Clevis pin—hand brake to rear cross shaft lever rod		1
14	BZ 31177	Front idler lever		2
15	BZ 29265	Front idler lever pivot		2
16	BZ 124	Front idler lever pivot nut		2
17	BZ 70119	Front idler lever pivot nut washer		4
18	BZ 31173	Front cross shaft lever—center and ends		3
19	BZ 275	Front cross shaft lever bolt		3
20	BM 110	Front cross shaft lever bolt nut		3
21	BZ 31176	Rear cross shaft lever—outer		2
...	BZ 275	Rear cross shaft lever bolt		2
...	BM 110	Rear cross shaft lever bolt nut		2
22	BZ 31175	Rear cross shaft lever—inner		1
...	BZ 275	Rear cross shaft lever bolt		1
...	BM 110	Rear cross shaft lever nut		1
23	BZ 31178	Rear idler lever		4
24	BZ 31158	Rear idler lever support		2
25	BZ 3205	Clevis pin—rear idler lever to support		2
26	BZ 31174	Front cross shaft to pedal rod lever		1
...	BZ 275	Front cross shaft to pedal rod bolt		1
...	BM 110	Front cross shaft to pedal rod bolt nut		1
27	BZ 31181	Brake rod—brake pedal to front cross shaft		1
28	BZ 5282	Yoke end—brake pedal to front cross shaft rod		1
29	BZ 62	Nut—brake pedal to front cross shaft rod		2
30	BY 3212	Clevis pin—brake pedal to front cross shaft rod		2
31	BZ 31011	Spring—stoplite to brake pedal		1
32	BZ 31010	Spring—brake pedal release		1
33	BZ 31009	Spring—rear brake release		1
34	BZ 30868	Clip—rear brake release spring		1
35	BZ 29274	Spring—hand brake release		1
36	BZ 29273	Clip—hand brake release spring		1
37	BZ 31163	BRAKE CROSS SHAFT BEARING PLATE ASSEMBLY— front and rear outer		4
38	BZ 31169	Brake cross shaft bearing plate roller		12
39	BZ 31170	Brake cross shaft bearing plate roller bolt		4
40	BZ 12481	Brake cross shaft bearing plate roller bolt nut		4
41	BZ 31171	Brake cross shaft bearing plate roller rivet		12
42	BZ 31172	Brake cross shaft bearing plate roller washer		8
43	BZ 1062	Bolt—bearing plate assembly to frame		8
44	BZ 2344	Nut—bearing plate assembly to frame bolt		8
45	BZ 31165	BRAKE CROSS SHAFT BEARING PLATE ASSEMBLY— front to center		1
...	BZ 31169	Brake cross shaft bearing plate roller		2
	BZ 31171	Brake cross shaft bearing plate roller rivet		2
46	GZ 119	Bolt—bearing plate assembly to cross member		2
...	BM 110	Nut—bearing plate assembly to cross member		2
47	BZ 31167	BRAKE CROSS SHAFT BEARING PLATE ASSEMBLY rear center		1
...	BZ 31169	Brake cross shaft bearing plate roller		2
...	BZ 31171	Brake cross shaft bearing roller rivet		2
...	GZ 119	Bolt—bearing plate assembly to cross member		2
...	BM 110	Nut—bearing plate assembly to cross member bolt		2
48	BZ 31161	Brake cross shaft—front		1
49	BZ 31162	Brake cross shaft—rear		1
50	BZ 2360	Brake cross shaft Woodruff key		7

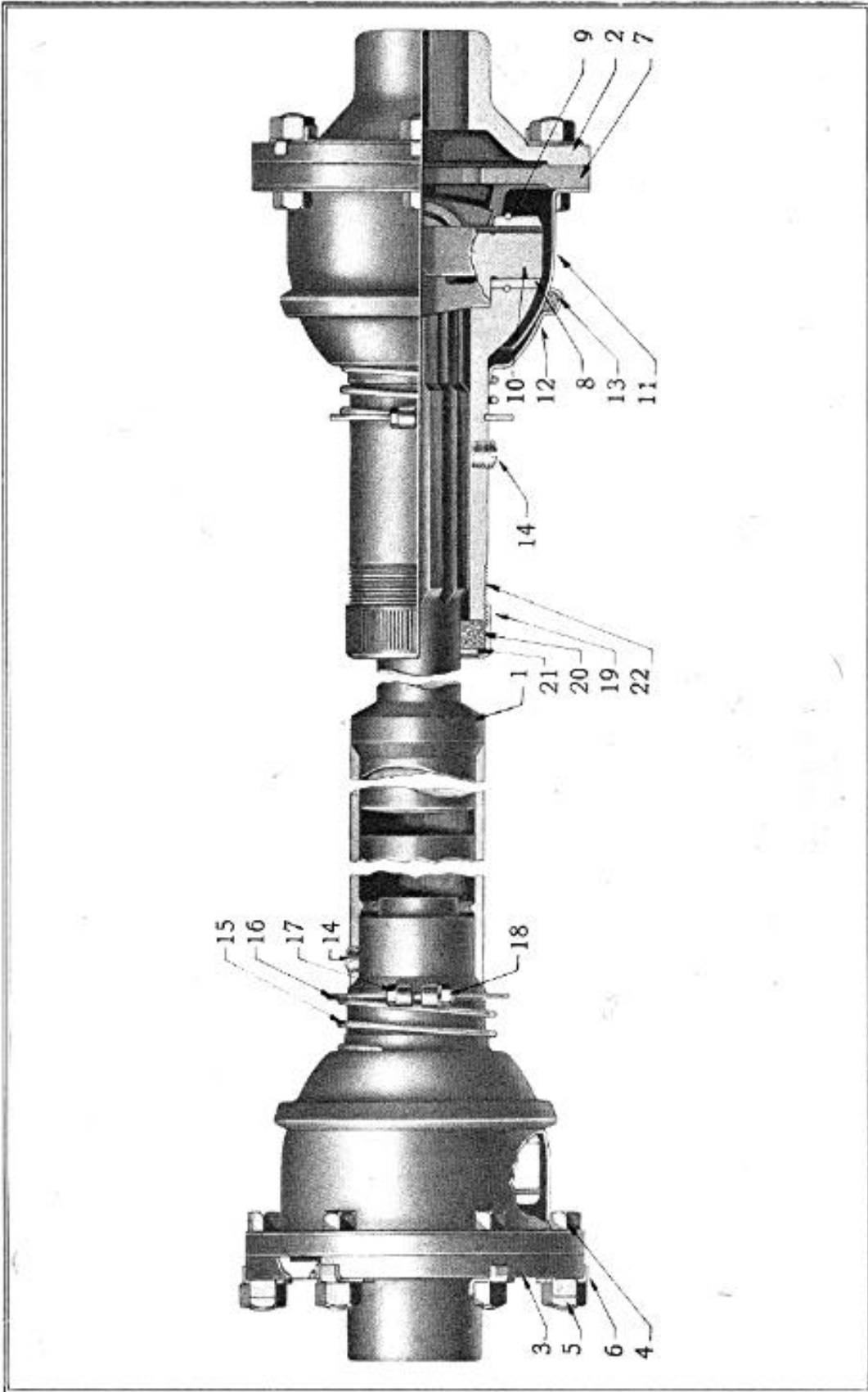


UNIVERSAL JOINTS AND PROPELLER SHAFT

Illus. No.	Part No.	Description	Specifications	No. Req.
...	CZ 31484	REAR UNIVERSAL JOINT AND PROPELLER SHAFT ASSEMBLY		1
1	CZ 31022	Propeller shaft		1
...	BZ 20040	FRONT UNIVERSAL JOINT ASSEMBLY (Includes 9905, also 18106 to 20145 inclusive)		1
2	GZ 31138	Companion flange-front		1
3	BZ 9906	Companion flange-rear		1
4	BZ 18106	Companion flange bolt		12
5	BR 611	Companion flange bolt nut		12
6	BZ 23273	Companion flange bolt nut lock		12
7	BZ 7840	Flange yoke		2
8	BZ 1067	Bushing		8
9	BZ 1065	Bushing lock ring		8
10	BZ 7836	Cross		2
11	BZ 7843	Inside casing		2
12	BZ 7833	Outside casing		2
13	BZ 7835	Outside casing packing		2
14	BZ 9773	Lubrication plug		2
15	BZ 20146	Outside casing spring		2
16	BZ 20147	Outside casing spring retainer		2
17	BZ 18052	Outside casing spring retainer bolt		4
18	BZ 12799	Outside casing spring retainer bolt nut		4
19	BZ 7834	Dust cap		1
20	BZ 7831	Dust cap felt washer		1
21	BZ 7832	Dust cap felt washer retaining disc		1
22	BZ 20145	Sleeve yoke		1

STEERING GEAR

...	CZ 31215	STEERING GEAR COMPLETE		1
...	CZ 31655	CONTROL ASSEMBLY		1
...	BZ 31651	CASE AND GEARS COMPLETE		1
1	BZ 31653	CASE ASSEMBLY		1
2	BZ 31676	Case adjustment stud		1
3	BZ 29740	Case eccentric adjusting sleeve		1
4	BZ 29744	Case eccentric adjusting sleeve lock ring		1
5	BZ 70571	Case clamp bolt	7/16"-20x2-7/8"	1
...	BZ 232	Nut-case clamp bolt	7/16"-20x3/8"	1
6	BZ 29746	Case stud		3
7	BZ 70194	Nut-case stud		3
8	BZ 63044	Eccentric rivet		1
9	BZ 31681	Lower control bracket		1
10	BZ 31673	Cork washer-lower control bracket		1
11	BZ 31675	Spring washer-lower control bracket oil retainer		1
12	BZ 30935	Gasket-lower control bracket		1
13	BZ 18358	Lower control bracket machine screw	1/4"-20x3/4"	2
14	BZ 9182	Lower control bracket bolt	1/4"-20x1"	1
15	BZ 31661	Case cover		1
16	BZ 31672	Gasket-case cover		1
17	BZ 30514	Bracket-frame		1
...	BZ 70140	Bolt-frame bracket	1/2"-20x1-3/8"	2
...	BZ 72	Nut-frame bracket bolt	1/2"-20x9/16" castle	2
18	BZ 31664	Main column tube		1
19	BZ 31666	WORM		1
...	BZ 8394	Worm key		1
20	BZ 31679	Roller bearing cage-column		2
21	BZ 31680	Cup-roller bearing cage		2
22	BZ 31656	ADJUSTING SLEEVE ASSEMBLY (Includes cups)		1
23	BZ 30829	ROLLER TOOTH AND SHAFT ASSEMBLY		1
24	BZ 29749	Bushing-roller tooth and shaft		2
25	BZ 22641	Nut-roller tooth shaft		1
26	BZ 20005	Lock-roller tooth shaft nut		1
27	BZ 29750	Thrust washer-roller tooth shaft		1
28	BZ 29748	Screw-roller tooth shaft adjusting		1
29	BZ 70201	Nut-roller tooth shaft adjusting screw		1
30	BZ 31670	Arm-roller tooth shaft (steering)		1
31	BZ 30165	Adjusting screw-adjusting sleeve		1
32	BZ 70278	Nut-adjusting sleeve screw		1
33	BZ 31678	Dust washer-adjusting sleeve		1
34	BZ 30934	Retainer-adjusting sleeve dust washer		1
35	CZ 30316	STEERING WHEEL ASSEMBLY		1
36	BZ 8394	Key-steering wheel		1
37	BZ 26145	Nut-steering wheel		1
38	CZ 30930	JACKET TUBE AND BUSHING ASSEMBLY		1
39	BZ 30791	Bushing-jacket tube-lower		1



Universal Joint and Propeller Shaft Assembly

STEERING GEAR (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
40	BZ 30933	Clamp-jacket tube to adjusting sleeve		1
...	BZ 70545	Bolt-jacket tube clamp	5/16"-24x2"	1
...	BZ 70543	Nut-jacket tube clamp bolt	5/16"-24x17/64"	1
42	BZ 80593	Jacket tube bracket		1
43	GZ 18338	Screw-jacket tube bracket	5/165-18x1"	1
44	BZ 31683	STATIONARY TUBE ASSEMBLY		1
45	BZ 30489	Stationary tube silencer-upper		1
46	BZ 30761	Stationary tube silencer-lower		1
47	CZ 31684	THROTTLE TUBE ASSEMBLY		1
48	BZ 30497	Throttle tube hand lever		1
49	BZ 30496	Throttle tube hand lever lock wire		1
50	BZ 10137	Throttle tube pinion		1
51	BZ 18357	Clamp screw-throttle tube pinion	1/4"-20x7/8"	1
52	BZ 29559	Throttle sector		1
53	CZ 31685	SPARK TUBE ASSEMBLY		1
54	BZ 63062	Spark tube hand lever,		1
55	BZ 10140	Spark tube pinion		1
56	BZ 18358	Screw-spark tube pinion	1/4"-20x3/4"	1
57	BZ 29561	Sector stud		1
58	BZ 29562	Spring-sector stud		1
59	BZ 29560	Spark sector		1
60	BZ 30538	Lock wire		1
61	CZ 31686	LIGHT TUBE ASSEMBLY		1
62	BZ 30507	Light control lever		1
63	BZ 30508	Lock wire-light control lever		1
...	BZ 30797	Control cup friction band		1
64	BZ 30308	Light control switch-lower		1
65	BZ 30539	Light control switch anchor		1
66	BZ 30590	Clamp nut-light tube-lower		1
67	BZ 30509	HORN BUTTON		1
68	BZ 62088	Horn button contact washer		1
69	BZ 30513	Horn button spring		1
70	BZ 30317	Stationary tube cup		1
71	BZ 30327	Lock wire-stationary tube cup		1
72	BZ 30823	Horn wire assembly		1

DRAG LINK

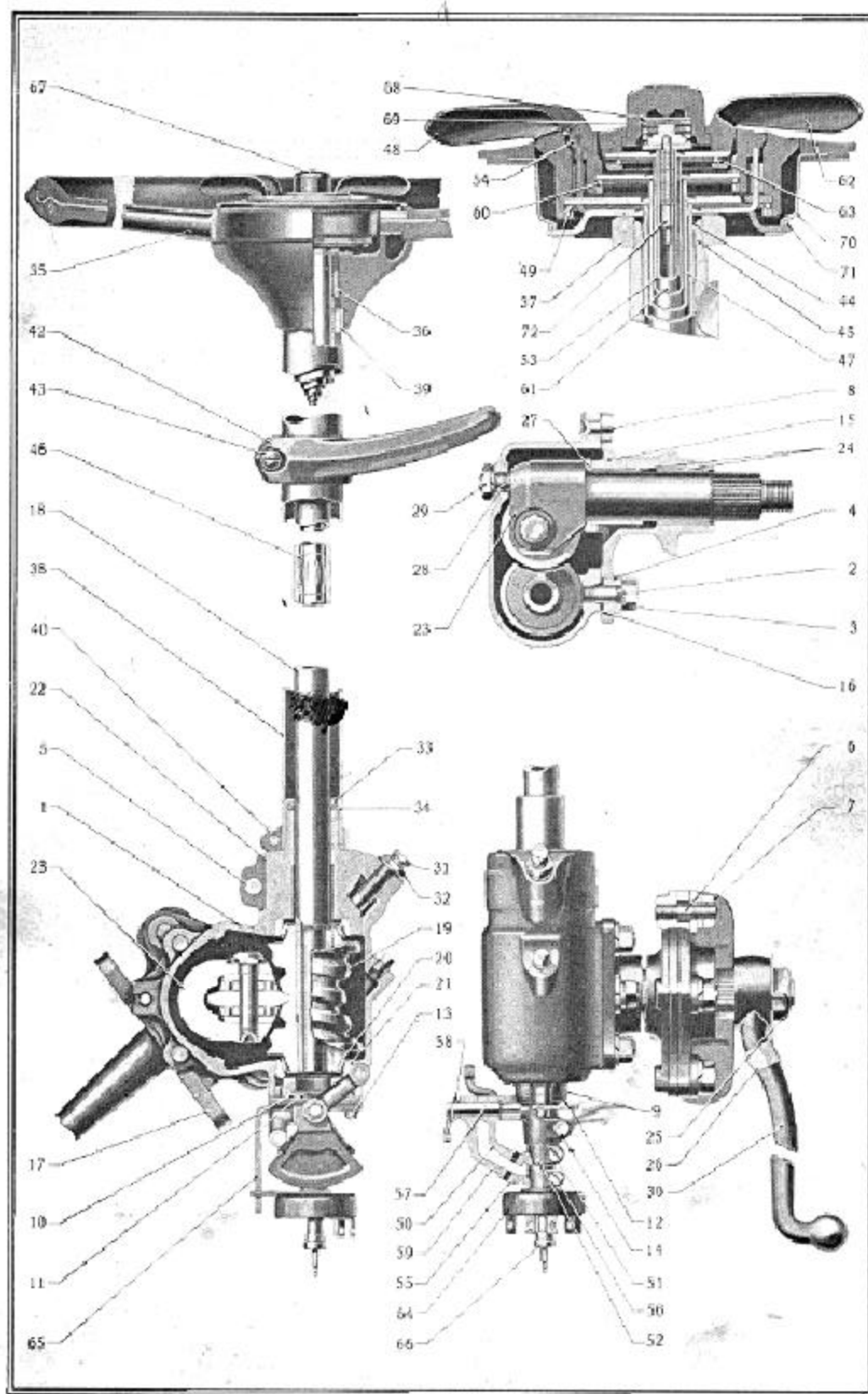
...	CZ 31210	DRAG LINK ASSEMBLY		1
...	CZ 31212	Drag link		1
...	BZ 23740	Ball seat		4
...	BZ 23739	Plug	1-3/16"-18 thread	2
...	BZ 23738	Spring		2
...	BZ 9844	Front boot		1
...	BZ 22166	Rear boot		1

FENDERS

		Specify color of fenders required or prime coat. Give car number if for a specific car.		1
...	A 81250	Front fender-R. H. (Pocket type) (standard equipment)		1
...	A 81251	Front fender-L. H. (standard equipment)		1
...	A 81252	Front fender-L. H. (Pocket type) (special equipment)		1
...	A 81248	Rear fender-R. H. (Sedan and Coach)		1
...	A 81249	Rear fender-L. H. (Sedan and Coach)		1
...	A 81898	Rear fender-R. H. (Landau Sedan)		1
...	A 81899	Rear fender-L. H. (Landau Sedan)		1
...	A 81900	Rear fender-R. H. (Victoria)		1
...	A 81901	Rear fender-L. H. (Victoria)		1
...	A 81896	Rear fender-R. H. (Phaeton and Town Sedan)		1
...	A 81897	Rear fender-L. H. (Phaeton and Town Sedan)		1
...	A 79835	Rear fender-R. H. (Coupe and Roadster)		2
...	A 79836	Rear fender-L. H. (Coupe and Roadster)		1
...	BM 304	Bolt-Front fender	3/8"-16x1"	6
...	BM 110	Nut-Front fender bolt	3/8"-16x3/8"	6
...	BM 219	Bolt-Front fender	5/16"-18x3/4"	2
...	BO 18447	Screw-Front and rear fender	No. 10-32x1/8" Rd. Hd.	22
...	BZ 12799	Nut-Front and rear fender screw	No. 10-32x1/8"	22
...	GZ 10214	Bolt-Rear fender	1/2"-13x1-1/4"	6
...	BO 23410	Clip-Rear fender		14
...	BZ 12275	Screw-Rear fender clip		14
...	GO 23883	Plate-Rear fender		4

RUNNING BOARD AND RADIATOR SPLASH GUARDS

...	A 81052	Running board splash guard-R. H.		1
...	A 8105	Running board splash guard-L. H.		1



Steering Gear Assembly

RUNNING BOARD AND RADIATOR SPLASH GUARDS (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	BZ 12799	Splash guard screw		4
...	B0 18447	Machine screw (splash guard)		4
...	A 81086	Radiator splash guard		1
...	G0 22949	Radiator splash guard shim		1
...	A 13166	Flywheel guard		1

REAR DUST SHIELD ASSEMBLY

...	A 81698	REAR DUST SHIELD ASSEMBLY		1
...	B0 70149	Machine screw	1/4"-20x1-1/4"	4

MOTOR SPLASH GUARDS

...	A 30275	Motor splash guard-front		1
...	A 30276	Motor splash guard-R. H.		1
...	A 30277	Motor splash guard-L. H.		1
...	GY 553	Screw-Front motor splash guard	1/4"-20x5/8"	4
...	GY 3820	Screw-Splash guard-R. H. and L. H.	5/16"-18x1/2"	7
...	B0 12126	Screw-Motor splash guard	No. 10-32x5/8"	16
...	BZ 12799	Nut-Motor splash guard screw	No. 10-32x1/8"	16

RUNNING BOARD

...	CZ 81147	RUNNING BOARD ASSEMBLY		2
...	B0 18447	Screw-round head-running board	No. 10-32x1/8"	12
...	BZ 12799	Nut-running board screw	No. 10-32x1/8"	12
...	CZ 81254	Outer moulding		2
...	CZ 82218	Moulding-inner and ends		2
...	BZ 18107	Rivet-split	9/64"x3/8"	80
...	CZ 81190	Running board covering		2

TIRE CARRIER (Fender Type)
(Standard Equipment)

...	BZ 81732	Spare tire lock		1
...	B0 31240	Spare tire lock key		1
...	BZ 81680	Spare tire to dash brace assembly		1
...	BZ 9130	Spare tire to dash brace nut		1
...	BZ 70505	Spare tire to dash brace rubber ferrule		1
...	BZ 81679	Spare tire to dash bracket		1
...	BZ 1430	Spare tire to dash bracket screw		3
...	BZ 122	Spare tire to dash bracket screw nut		1
...	BZ 81267	Front fender stirrup-R. H.		1
...	BZ 81676	Spare tire clamp		3
...	BZ 81677	Spare tire clamp bolt		1
...	BZ 81678	Spare tire clamp bolt tee nut		1
...	BZ 81706	Spare tire strap assembly		1

SPECIAL EQUIPMENT

The following parts are necessary when pocket fender tire carrier is desired for left side.				
...	A 81252	Front fender assembly-L. H.		1
...	BZ 80610	Front fender rear reinforcement		1
...	BZ 52961	Front fender rear reinforcement bolt		2
...	BZ 122	Front fender rear reinforcement bolt nut		2
...	BZ 81268	Front fender stirrup-left		1
...	BZ 81681	Tire to dash brace assembly		1
...	BZ 9130	Tire to dash brace check nut		1
...	BZ 70505	Tire to dash brace rubber ferrule		1
...	BZ 81679	Spare tire to dash bracket		1
...	BZ 1430	Spare tire to dash bracket screw		3
...	BZ 122	Spare tire to dash bracket screw nut		3
...	BZ 81676	Spare tire clamp		1
...	BZ 81677	Spare tire clamp bolt		1
...	BZ 81678	Spare tire clamp bolt tee nut		1
...	BZ 81706	Spare tire strap assembly		1
...	BZ 82529	Tire cover (Landau Sedan)		1
...	BZ 82530	Tire cover (Victoria)		1
...	BZ 81732	Spare tire lock		1
...	B0 31240	Spare tire lock key		1

BONNET

...	A 81131	BONNET COMPLETE (Specify color or prime coat)		1
...	B0 80345	Handle		2
...	BZ 70336	Handle rivet-tubular	7/32"x1/4"	4
...	B0 25802	Bonnet lock catch		4
...	BZ 70336	Lock catch rivet-tubular	7/32x1/4"	12

BONNET LOCK ASSEMBLY

Illus. No.	Part No.	Description	Specifications	No. Req.
...	B0 80343	BONNET LOCK ASSEMBLY		4
...	G0 18342	Machine screw		8
...	BZ 12799	Nut		8

HEAD LAMP TIE BAR

...	CZ 81559	Head lamp tie bar		1
...	BZ 81557	Head lamp bracket-R. H.		1
...	BZ 81558	Head lamp bracket-L. H.		1
...	B0 70011	Bolt	7/16"-14x1-3/4"	2
...	BY 551	Nut	7/165-14x7/16"	1
...	BM 304	Bolt	3/8"-16x1"	2
...	BZ 81567	License bracket		2
...	BZ 12799	Nut	No. 10-32x1/8"	2
...	B0 70227	Screw	No. 10-32x1-3/16"	2

SIDE LAMP BRACKET

...	B0 81566	SIDE LAMP BAND		1
...	B0 81562	Side lamp bracket-R. H..		1
...	B0 81563	Side lamp bracket-L. H.,		1
...	B0 70185	Bolt-band to cowl		14
...	B0 12120	Nut-band to cowl bolt		14
...	B0 70502	Acorn nut-side lamp bracket		2
...	B0 79786	Leather washer-side lamp band		16

HEAD LAMP

...	B0 31247	HEAD LAMP COMPLETE		2
...	B0 30778	Spacer-lamp to bracket		2
...	B0 70513	Washer-lamp to bracket		2
...	B0 31252	Nut-lamp to bracket		2
...	B0 31292	DOOR ASSEMBLY (less lens)		2
...	B0 31295	Screw-door		2
...	B0 30060	Retainer-door screw		2
...	B0 30913	Lens		2
...	B0 30440	Gasket-lens		2
...	B0 30365	Spring-lens		2
...	B0 30443	REFLECTOR ASSEMBLY		2
...	B0 31279	CONNECTOR WIRES AND SOCKET ASSEMBLY		2
...	B0 70353	Focus screw		2
...	B0 30370	Packing-focus screw		2
...	B0 30357	Packing washer-focus screw		2
...	B0 30439	Spring-focus screw		2
...	B0 30369	Cam-focus screw		2
...	B0 30373	Cam pin (slotted head)		2
...	B0 30358	Spring-cam pin		2
...	B0 30374	Arm-cam		2
...	B0 30351	Terminal socket sleeve		2
...	B0 30350	Terminal socket		2
...	B0 30348	CONDUIT AND CAP ASSEMBLY		2
...	B0 70349	Nut-conduit to radiator		2

SIDE LAMPS

...	B0 31248	SIDE LAMP COMPLETE-R. H.		1
...	B0 31249	SIDE LAMP COMPLETE-L. H.		1
...	B0 31301	SIDE LAMP DOOR ASSEMBLY (less lens)		2
...	B0 30659	Lens		2
...	B0 70422	Screw-door		2
...	B0 30425	Gasket-lens		2
...	B0 30406	Spring-lens		4
...	B0 31302	Conduit-wire		2
...	B0 30423	REFLECTOR ASSEMBLY		2
...	B0 31397	WIRE ASSEMBLY		2

STOP AND TAIL LAMP

...	BZ 31250	STOP AND TAIL LAMP ASSEMBLY		1
...	BZ 70313	Nut	1/4"-20x3/16"	2
...	BZ 30136	Terminal complete		1
...	BZ 31306	Door		1
...	BZ 30379	Door glass (red)		1
...	BZ 70365	Screw (door)		2

STOP AND TAIL LAMP (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	BZ 30378	Door glass gasket		1
...	BZ 30376	License lens		1
...	BZ 30381	License lens gasket		1
...	BZ 70001	Bulb	6-8 V.-15 C.P.	1
...	BZ 28068	Stop light switch		1
...	BZ 28084	Stop light switch bracket		1
...	B0 12126	Stop light switch to bracket screw	No.10-32x5/8"	2
...	BZ 12799	Stop light switch to bracket screw nut	No. 10-32x1/8	2
...	BZ 908	Stop light switch bracket to frame bolt	5/16"-18x3/8"	1
...	BZ 122	Stop light switch bracket to frame bolt nut	5/16"-18x5/16"	1
...	BZ 31011	Stop light switch spring		1
...	BZ 28072	Stop light switch spring clip		1
...	BZ 18069	Stop light switch spring clip screw	No. 10-32x3/4"	1
...	BZ 12799	Stop light switch spring clip screw nut	No. 10-32x%"	1

COWL VENTILATOR

...	CO 81415	COVER ASSEMBLY		1
...	B0 81623	Cover hinge adjusting plate		2
...	B0 18464	Cover hinge adjusting plate screw		4
...	B0 12120	Cover hinge adjusting plate screw nut		4
...	B0 70519	Cover hinge adjusting plate rivet		2
...	B0 81628	Cover hinge R. H.-on cowl		1
...	B0 81629	Cover hinge L. H.-on cowl		1
...	B0 18419	Cover hinge rivet		4
...	B0 81644	Cover to instrument panel spring		2
...	B0 82524	Cover to instrument panel spring clip		2
...	B0 18453	Cover to instrument panel spring clip screw		2
...	B0 12120	Cover to instrument panel spring clip nut		2
...	B0 81636	Control bracket		1
...	B0 70028	Control bracket rivet		3
...	B0 81641	Drain pipe		1
...	B0 81669	Drain tube		1
...	B0 81675	Drain tube clip		3
...	B0 18459	Drain tube clip screw		3
...	B0 18479	Drain tube clip screw nut		3
...	B0 81667	Ventilator handle		1
...	B0 81645	Ventilator handle spring		1
...	B0 70499	Ventilator handle clevis pin		1

INSTRUMENTS AND MOUNTING

B0 29129	OIL PRESSURE GAUGE ASSEMBLY		1
B0 70124	Screw	No. 8-32x3/16" Rd. Hd.	2
B0 29130	AMMETER ASSEMBLY		1
B0 70124	Screw	No. 8-32x3/16" Rd. Hd.	2
B0 81812	MOTOR TEMPERATURE INDICATOR ASSEMBLY		1
B0 70124	Screw	No. 8-32x3/16" Rd. Hd.	2
B0 81811	GASOLINE AND OIL LEVEL GAUGE ASSEMBLY		1
B0 70124	Screw No. 8-32x3/16" Rd. Hd.		2
B0 81817	SELECTOR SWITCH ASSEMBLY-gas and oil		1
B0 81815	INSTRUMENT LAMP AND SOCKET ASSEMBLY	6-8 V.-3 C. P. bulbs	1
B0 79601	Anchor clip-upper		3
B0 79602	Anchor clip-lower		3
B0 70398	Clinch nut	1/4"-20	6
B0 81826	INSTRUMENT FRAME AND MOUNTING ASSEMBLY (Coach, Sedan, Coupe, Phaeton, Roadster)		1
B0 81830	INSTRUMENT FRAME AND MOUNTING ASSEMBLY (Landau Sedan, Town Sedan and Victoria)		1
B0 18453	Screw-attaching	1/4"-20	5
B0 18461	Shakeproof lockwasher		5
B0 81819	Instrument panel escutcheon plate (Coach, Sedan, Coupe, Phaeton, Roadster)		1
B0 81820	Instrument panel escutcheon plate (Landau Sedan, Victoria, Town Sedan)		1
B0 81841	Dial-instrument frame		1
B0 81843	Rim-instrument frame (Coach, Sedan, Coupe, Phaeton, Roadster)		1
B0 81844	Rim-instrument frame (Landau Sedan, Victoria, Town Sedan)		1
B0 81846	Base-instrument frame		1
B0 79758	Glass-instrument frame		1

ACCESSORIES

The following units are considered accessories and are serviced by the manufacturers. Parts and complete assemblies should be obtained direct from them or one of their dealers.

AIR CLEANER

AC Spark Plug Co., Flint, Michigan

BATTERY

The Electric Storage Battery,, Philadelphia, Pa.

ELECTRICAL EQUIPMENT

Starting Motor, Generator, Distributor and Ignition Coil—The Electric Auto-Lite Co., Toledo, Ohio

SPEEDOMETER

Stewart-Warner Speedometer Corp., Chicago, Ill.

VACUUM TANK

Stewart-Warner Speedometer Corp., Chicago, Ill.

WINDSHIELD CLEANER

Trico Products Corp., Buffalo, N. Y.

WIRING

Illus. No.	Part No.	Description	Specifications	No. Req.
1	B0 30584	Head lamp wire assembly—head lamp to main switch—R. H.		2
2	B0 30585	Head lamp wire assembly—head lamp to main switch—L. H.		2
3	B0 31416	Side lamp wire assembly—junction post to switch		1
4	B0 29826	Stop light wire assembly—stop light switch to stop light		1
5	B0 28074	Stop light wire assembly—stop light switch to main switch		1
6	B0 29825	Tail lamp wire assembly—tail lamp to main switch		1
7	B0 81815	Instrument lamp wire assembly—instrument lamp to junction post		1
...	B0 31416	Instrument lamp wire assembly—junction post to main switch		1
8	B0 82080	Dome lamp wire assembly—dome lamp to junction post (Coach, Sedan)		1
8	B0 82081	Dome lamp wire assembly—dome lamp to junction post (Coupe)		1
9	B0 79359	Dome lamp wire assembly—dome lamp to dome lamp switch		1
10	B0 80037	Dome lamp wire assembly—dome lamp switch to ground		1
11	B0 31418	Feed wire assembly—main switch to junction block		1
12	B0 31424	Feed wire assembly—ammeter to junction block		1
13	B0 31428	Feed wire assembly—generator to ammeter		1
14	B0 27811	Feed wire assembly—starter post to ammeter		1
15	B0 31406	Ignition wire assembly—ammeter to Electrolock		1
16	B0 31404	Ignition wire assembly—Electrolock to coil		2
...	B0 31406	Gasoline and oil gauge wire assembly—Electrolock to gauge		1
17	B0 31412	Gasoline and oil gauge wire assembly—oil pan unit to junction post		1
18	B0 31414	Gasoline and oil gauge wire assembly—junction block to gauge switch		2
19	B0 31426	Gasoline and oil gauge wire assembly—gasoline tank unit to junction block		1
20	B0 31422	Horn wire assembly—horn to junction block		1
21	B0 30823	Horn wire assembly—horn to horn button		1
22	B0 30098	Coil wire assembly—coil to distributor—high ten- sion		1
...	BM 30099	CABLE TUBE AND WIRES ASSEMBLY (spark plug)		1
23	BM 29932	Cable tube		1
24	BM 29986	Cable No. 1		1
25	BM 29987	Cable No. 2		1
26	BM 29988	Cable No. 3		1
27	BM 29989	Cable No. 4		1
28	BM 29990	Cable No. 5		1
29	EM 29991	Cable No. 6		1
30	BZ 60648	BATTERY GROUND CONNECTION		1
31	BZ 29836	BATTERY CABLE AND CONDUIT ASSEMBLY (battery to starter,		1
32	BZ 31419	Clip—battery to starter cable		2
...	BZ 18069	Screw—battery to starter cable clip	No. 10-32x3/4"	2

WIRING (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	BZ 12799	Nut-battery to starter cable clip screw	No. 10-32x1/2"	2
33	BM 219	Screw-battery ground connection	5/16"-18x3/4"	1
...	BZ 122	nut-battery ground connection screw	5/16"-18x5/16"	1
34	BZ 12843	Screw-battery terminal	5/16"-18x1-1/4"	2
35	BZ 12844	Nut-battery terminal screw	5/16"-18x1/4"	2
36	BO 29446	Clip-frame to tail, stop and gas gauge wires		2
37	GO 13733	Clip-frame to head and tail lamp wires		2
38	GZ 3613	Rubber ferrule		4
39	BO 30348	Cable and conduit-head lamp		2
40	BO 70349	Nut-conduit to radiator		2
41	BZ 30307	Junction post		1
...	BO 12126	Junction post screw		2
...	BZ 12799	Junction post screw nut		2
42	BZ 81817	Gasoline and oil gauge switch		1
43	BZ 30308	Lighting switch		1
44	BZ 70552	Electrolock coil wire screw		2
45	BZ 70553	Electrolock gas and oil gauge wire screw		1

TOOLS

...	CZ 31546	Tool box assembly (wire wheel and demountable at hub wheels). (Includes all tools excepting alemite gun)		1
...	CZ 31547	Tool box assembly (wood wheels, demountable rim). (Includes all tools excepting alemite gun)		1
...	BZ 30794	Starting crank and jack handle	1	1
...	BZ 29178	Jack		1
...	BZ 29179	Jack extension		1
...	BZ 63425	Oil can		1
...	BZ 28620	Oil can holder		1
...	BM 22594	Spark plug and main bearing nut wrench		1
...	BM 23692	Eccentric adjusting wrench		1
...	BM 8672	Water pump stuffing nut wrench		1
...	BZ 31149	Hub cap wrench (demountable rim wheels only)		1
...	BM 23389	Tappet adjusting wrench		1
...	BZ 28333	End wrench No. 25 special		1
...	BZ 31356	Socket wrench assembly (includes pilots)		1
...	BZ 31357	Socket wrench assembly (less pilots)		1
...	BZ 31361	Socket wrench pilot		2

FLOOR MATS AND PADS

...	BO 81983	Front floor mat and pad assembly (Coach)		4
...	BO 81987	Front floor mat and pad assembly (Landau Sedan)		1
...	BO 81985	Front floor mat and pad assembly (Sedan, Coupe)		1
...	BO 81989	Front floor mat and pad assembly (Victoria)		1
...	BO 81990	Front floor mat and pad assembly (Town Sedan)		1
...	BO 81992	Front mat and pad assembly (Roadster and Phaeton)		

ELECTROLOCK

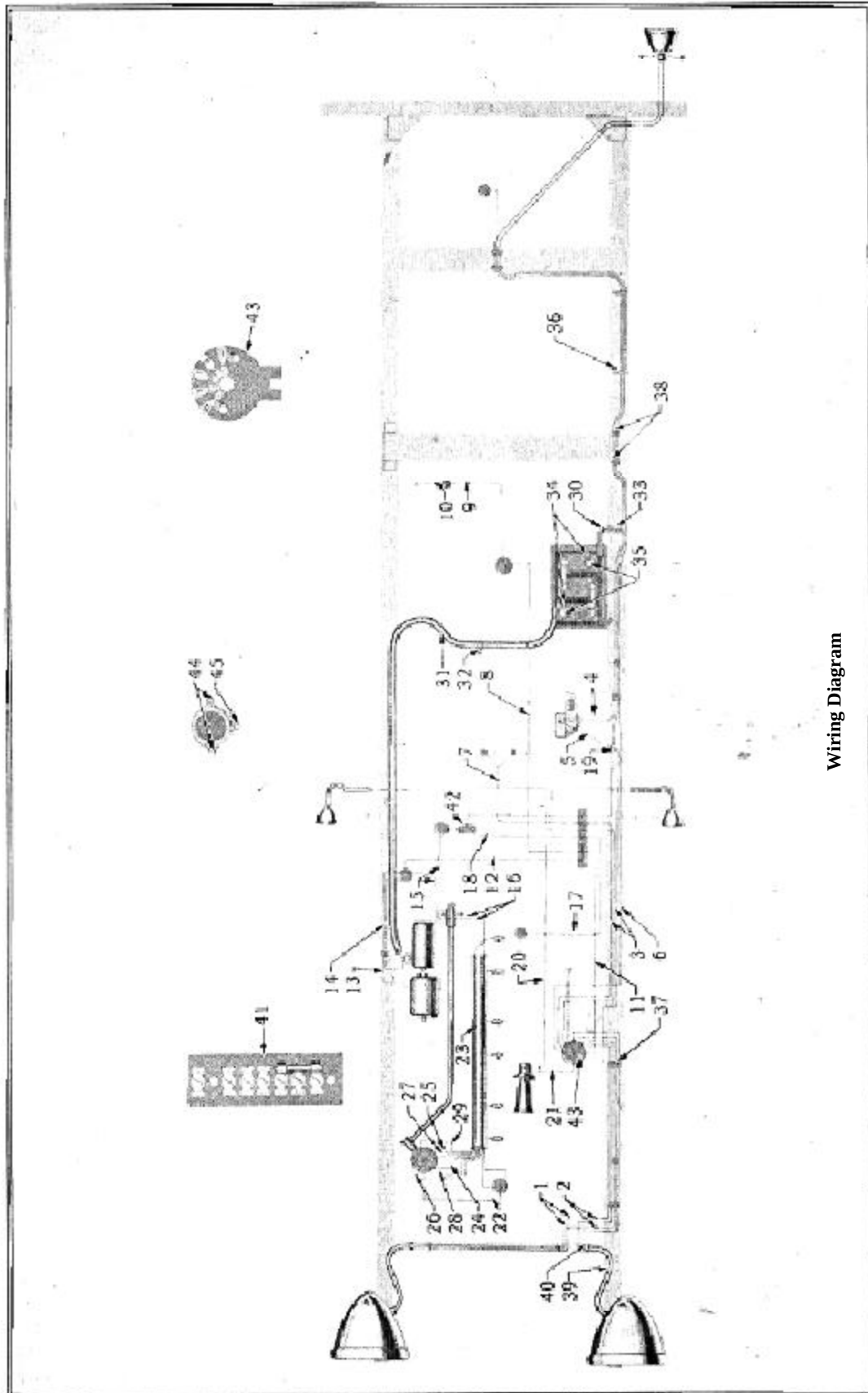
...	BZ 31214	ELECTROLOCK ASSEMBLY		1
...	BZ 30734	Nut-Electrolock to instrument board		1
...	BO 31239	Electrolock cylinder		1
...	BZ 31240	Key		1
...	BZ 31487	Electrolock post		1
...	BZ 70553	Screw-oil control switch connection		1
...	BZ 70563	Shakeproof lockwasher-oil control switch connection		1
...	BZ 70551	Screw-coil connection		2
...	BZ 70550	Shakeproof lockwasher-coil connection		2

HORN

		NOTE: The horn assembly and the bracket are serviced by the Hudson Motor Car Co. All other parts are furnished by the E-A Laboratories Co., Brooklyn, N. Y.		1
...	BZ 30780	HORN AND BRACKET ASSEMBLY		1
...	BZ 30781	Bracket		2
...	BM 13073	Bracket stud	5/16"-18x1-1/4"	
...	BZ 122	Bracket stud nut	5/16"-18x5/16"	

SHOCK ABSORBERS

...	BZ 30902	Shock absorber unit assembly-front R. H.		1
...	BZ 30903	Shock absorber unit assembly-front L. H.		1
...	BZ 30904	Shock absorber unit assembly-rear R. H.		1



Wiring Diagram

SHOCK ABSORBERS (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	BZ 30905	Shock absorber unit assembly—rear L. H.		1
...	BZ 31818	Shock absorber arm—front unit—R. H.		1
...	BZ 31819	Shock absorber arm—rear unit		2
...	BZ 31822	Shock absorber tie rod—front unit		2
...	BZ 31823	Shock absorber tie rod—rear unit		2
...	BZ 31824	Shock absorber tie rod flexible joint—large—rubber		4
...	BZ 31825	Shock absorber tie rod flexible joint—small—rubber		4
...	BZ 31826	Shock absorber tie rod flexible joint washer		16
...	BZ 30906	Shock absorber tie rod anchor—front to axle		2
...	BZ 30909	Shock absorber tie rod anchor—rear to axle—R. H.		1
...	BZ 30910	Shock absorber tie rod anchor—rear to axle—L. H.		1
...	BZ 31830	Shock absorber cover		4
...	BZ 31831	Shock absorber cover cap screw		12
...	BZ 31832	Shock absorber shaft and lever		4
...	BZ 31833	Shock absorber shaft end play spring		4
...	BZ 31834	Shock absorber shaft oil seal		4
...	BZ 31835	Shock absorber shaft oil seal retainer		4
...	BZ 31836	Shock absorber shaft bushing		4
...	BZ 31837	Shock absorber piston assembly—front		2
...	BZ 31838	Shock absorber piston assembly—rear		2
...	BZ 31839	Shock absorber piston spring		4
...	BZ 31861	Shock absorber cylinder end plug		8
...	BZ 31850	Shock absorber cylinder end plug gasket		8
...	BZ 31840	Shock absorber throttle valve adjusting screw		8
...	BZ 31841	Shock absorber throttle valve adjusting screw lock nut		4
...	BZ 31842	Shock absorber throttle valve cap		4
...	BZ 31843	Shock absorber throttle valve cap gasket		8
...	BZ 31859	Shock absorber arm—front unit—L. H.		1
...	BZ 31860	Shock absorber cover gasket		1
...	BZ 31861	Shock absorber filler plug		1
...	BZ 31862	Shock absorber filler plug gasket		1
...	BZ 31863	Shock absorber shaft thrust washer		1
...	BZ 31864	Shock absorber shaft nut		4
...	BZ 31844	Shock absorber relief valve steel ball		2
...	BZ 31845	Shock absorber relief valve steel disc		2
...	BZ 31846	Shock absorber relief valve spring		2
...	BZ 31847	Shock absorber relief valve cap		2

TRUNK RACK

...	CZ 81895	Trunk rack complete		1
...	CZ 81918	Trunk rack frame and supports assembly		1
...	BZ 81694	Trunk rack support		2
...	BZ 81695	Trunk rack support bracket		2
...	BR 1308	Trunk rack support bracket bolt		2
...	B0 70047	Trunk rack support bracket bolt nut		2
...	BZ 70507	Trunk rack support bolt		2
...	BM 108	Trunk rack support bolt nut		2
...	BZ 81696	Trunk rack support loop		2
...	BZ 70527	Trunk rack support loop bolt		4
...	B0 70047	Trunk rack support loop bolt nut		4
...	BZ 81697	Trunk rack clevis		2
...	BZ 549	Trunk rack clevis pin		2
...	BZ 70508	Trunk rack clevis bolt		2
...	BZ 82431	Trunk bracket (Victoria)		2

RUMBLE SEAT STEPS

...	BZ 81835	Upper step		1
...	BZ 70381	Screw	F H. -5/16"-18x1-3/4"	1
...	BZ 122	Nut	5/16"-18x5/16"	3
...	BZ 81836	Lower step		1
...	BZ 70238	Screw	F H. -3/8"-16x1-13/16"	1
...	BZ 9666	Nut	3/8"-16	1
...	BZ 81698	Lower step bracket	3/8"-16x1-3/4"	1
...	B0 2936	Bolt		1
...	BZ 79791	Washer—step bolt angle		2
...	B0 70047	Nut	3/8"-16	2
...	BZ 80292	Lower step arm		1
...	BZ 636	Key	Woodruff No. 11	1
...	BZ 30003	Lower step arm nut		1

FRONT AXLE - R. H. DRIVE

Illus. No.	Part No.	Description	Specifications	No. Req.
...	CX 31094	FRONT AXLE ASSEMBLY		1
...	BX 28968	Steering arm-L. H.		1
...	BZ 31208	Steering arm-R. H.		1

FRAME - R. H. DRIVE

...	CF 31025	SIDE MEMBER ASSEMBLY-R. H.		1
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TRANSMISSION - R. H. DRIVE

...	CT 31231	TRANSMISSION ASSEMBLY	4-1/13 to 1 R. A. ratio	1
...	CT 31229	TRANSMISSION ASSEMBLY	4-5/12 to 1 R. A. ratio	1
...	GT 31087	Transmission case		1
...	BT 31137	Front bearing cap		1
...	BT 31144	CLUTCH THROWOUT YOKE ASSEMBLY		1

STEERING GEAR - R. H. DRIVE

...	CZ 31650	STEERING GEAR COMPLETE		1
...	CZ 30494	CONTROL ASSEMBLY		1
...	CZ 31652	CASE AND GEARS COMPLETE		1
...	BZ 31654	CASE ASSEMBLY		1
...	BZ 31674	Oil retainer-lower control bracket		1
...	BZ 31662	Case cover		1
...	BZ 63385	Gasket-case cover		1
...	BZ 29773	Bracket-frame		1
...	BZ 31665	Main column tube		1
...	BZ 31667	Worm		1
...	BZ 31657	Adjusting sleeve assembly (Includes cups)		1
...	BZ 31658	Roller tooth and shaft assembly		1
...	BZ 29782	Bushing-roller tooth and shaft		2
...	BZ 29785	Thrust washer-roller tooth shaft		1
...	BZ 29784	Screw-roller tooth adjusting		1
...	BZ 31671	Arm-roller tooth shaft (steering)		1
...	CZ 30787	Jacket tube and bushing assembly		1
...	BZ 30666	Bushing-jacket tube		1
...	BZ 30529	Stationary tube assembly		1
...	BZ 30530	Throttle tube assembly		1
...	BZ 30537	Spark tube assembly		1
...	BZ 30536	Spark lever-upper		1
...	BZ 29728	Spark tube pinion		1
...	BZ 30819	Insulator washer-lower		2
...	BZ 30533	Horn button contact cup		1
...	BZ 30534	Horn button		1
...	BZ 30453	Spark and throttle control name plate		1
...	BZ 26157	Horn button lock ring		1
...	BZ 10149	Horn button spring		1
...	BZ 30822	Horn wire assembly		1

DRAG LINK - R. H. DRIVE

...	CZ 31211	DRAG LINK ASSEMBLY		1
...	CZ 31213	Drag link		1

SPARK AND THROTTLE CONTROL R. H. DRIVE

SPARK CONTROL				
...	BZ 29465	Steering gear to distributor rod		1
...	BM 794	Nut	1/4"-28x7/32"	1
...	BZ 12799	Nut	No. 10-32x1/8"	1
...	BZ 70150	Ball joint	No. 10-32 special	1
THROTTLE CONTROL				
...	BZ 29463	Steering gear to carburetor rod		1
...	BM 794	Nut	1/4"-38x7/32"	1
...	BZ 13578	Yoke		1
...	BZ 29461	Collar		1
...	BZ 29160	Trunnion		1
...	BZ 13579	Clevis pin	3/16"x1-1/16"	1
...	BZ 13542	Spring		1
ACCELERATOR				
...	BZ 29812	Pedal		1
...	BZ 7911	Pedal taper pin	No. 00x1/4"	1
...	BZ 31084	Shaft		1
...	BZ 30191	Spring		1
...	BZ 25364	Lever-short		1

SPARK AND THROTTLE CONTROL - R. H. DRIVE (Continued)

Illus. No.	Part No.	Description	Specifications	No. Req.
...	BZ 60574	Lever-long		1
...	BZ 7911	Lever taper pin	No. 00x3/4"	2
...	BZ 29455	Pedal to carburetor rod		1
...	BZ 5771	Pedal to carburetor rod yoke	3/16"-32	1
...	BZ 12799	Pedal to carburetor rod nut	No. 10-32x1/8"	1
...	BZ 5825	Pedal to carburetor rod clevis pin	3/16"x11/16"	2

HAND BRAKE LEVER - R. H. DRIVE

...	GS 29066	HAND BRAKE LEVER ASSEMBLY		1
...	BS 29068	Hand brake lever		1

PEDAL CONTROL - R. H. DRIVE

...	GZ 31030	PEDAL CONTROL ASSEMBLY		1
...	GZ 31034	Brake pedal assembly		1
...	BX 18341	Brake pedal set screw	3/8"-16x1-1/2"	1
...	BZ 5402	Brake pedal set screw nut	3/8"-16x3/16"	1
...	BZ 1015	Brake pedal taper pin	No. 2x1-1/4"	1
...	BZ 115	Brake pedal key	Woodruff No. 9	1
...	GZ 31160	Brake pedal lever		1
...	BZ 1015	Brake pedal lever taper pin	No. 2x1-1/4"	1
...	BZ 115	Brake pedal lever key	Woodruff No. 9	1
...	BZ 25447	Brake pedal bushing		1
...	GZ 31033	Clutch pedal assembly		1
...	GZ 31041	Pedal shaft		1
...	GZ 31043	Bracket		1
...	BR 1308	Bracket bolt	3/8"-16x1-1/8"	1
...	GZ 9836	Bracket bolt	3/8"-16x1"	3
...	GZ 24888	Bracket bushing		1
...	BZ 29544	Clutch pedal link		1
...	BZ 62	Clutch pedal link nut	3/8"-24	1
...	BY 3212	Clutch pedal link clevis pin	3/8"x1-3/32"	1
...	BZ 29540	Clutch pedal adjustable link		1
...	BY 3212	Clutch pedal adjustable link clevis pin	3/8"x1-3/32"	1

BRAKE CONTROL

(R. H. D. parts that are different from L. H. D.)

...	BZ 31195	BRAKE CROSS SHAFT BEARING PLATE ASSEMBLY-front center		1
...	BZ 31193	Brake cross shaft-front		1
...	BZ 31194	Brake cross shaft-rear		1
...	BZ 31197	Brake cross shaft to pedal lever		1
...	BZ 31199	Brake rod-pedal to brake cross shaft		1

RUBBER MATS AND FELT PADS - R. H. DRIVE

...	BO 81984	FRONT MAT AND PAD ASSEMBLY (Coach)		1
...	BO 81988	FRONT MAT AND PAD ASSEMBLY (5-Pass. Landau Sedan)		1
...	BO 81986	FRONT MAT AND PAD ASSEMBLY (Sedan, Coupe)		1
...	BO 81991	FRONT MAT AND PAD ASSEMBLY (Town Sedan)		1
...	BO 81993	FRONT MAT AND PAD ASSEMBLY (Roadster, Phaeton)		1

