

PARTS LIST

ESSEX

SUPER -SIX

The Challenger



JULY

1929

Cars Numbered 928658 and Upward

HUDSON MOTOR CAR COMPANY
DETROIT, MICHIGAN, U. S. A.

PARTS LIST

ESSEX

SUPER-SIX

The Challenger

July 1929

IMPORTANT

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

There are Hudson-Essex distributors and dealers in all principal cities and towns, who will supply genuine Essex parts.

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

Parts never previously listed are marked with a † in per car column.

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 part or parts 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 Essex 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 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 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 matters.

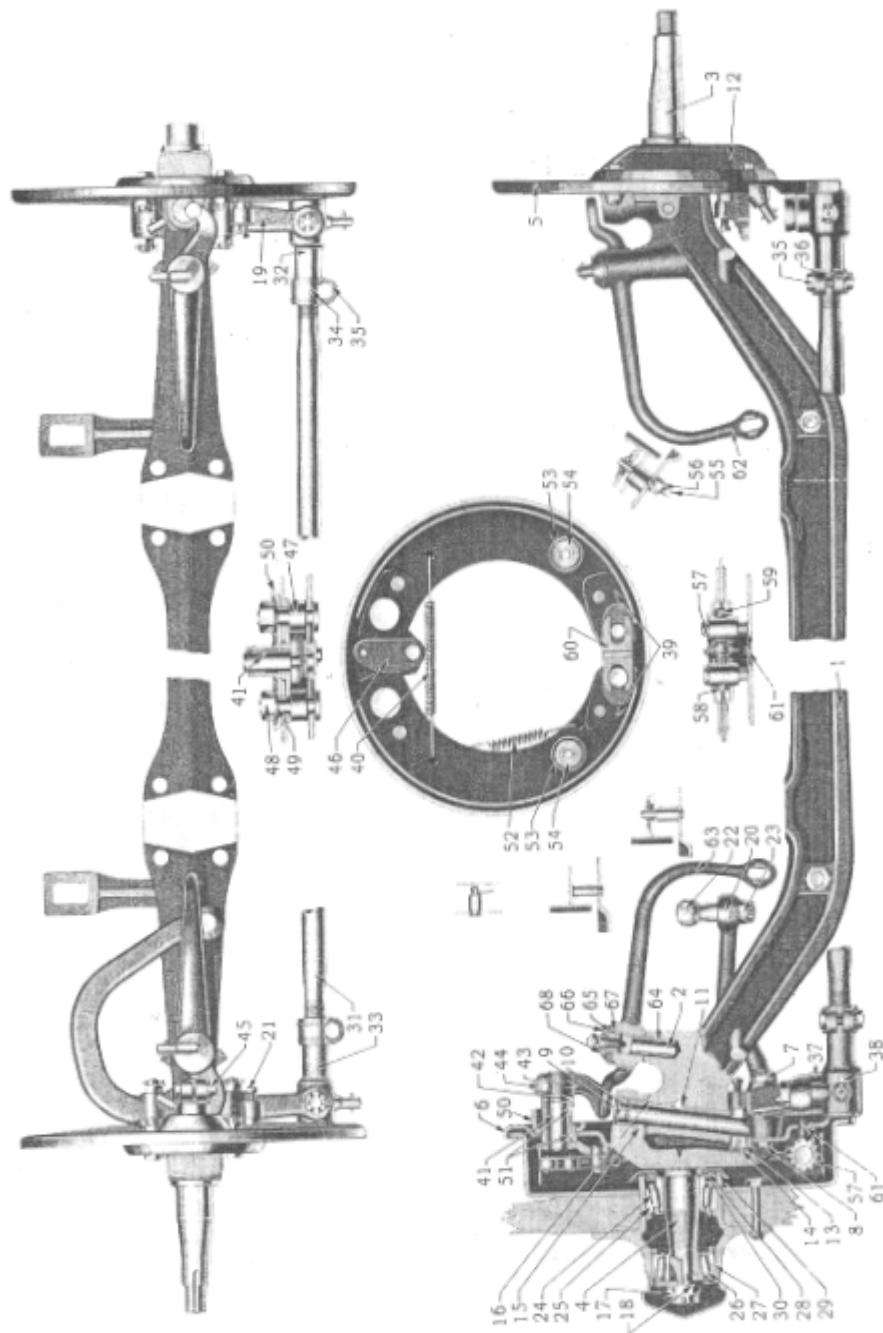
TELEGRAPH CODE

To save expense, to expedite ordering and for your convenience, we list below a brief General Code covering miscellaneous instructions, questions and answers relative to the shipment of parts:

Sultex - Ship to me (us) by express.	Sulwire - When and how did you ship parts
Sulkline - Ship by express to.....	called for in my (our) telegram of.....
Sulkate - Ship to me (us) by freight.	Sultwich - When and how will you ship parts
Sulmost - Ship to me (us) by parcel post.	called for in my (our) telegram of.....
Sulteen - When and how will you ship parts	
called for in my (our) letter of.....	

INDEX

	Page No.
Accelerator	25
Accessories	41
Axle — front	6
Axle — rear	7-9
Battery Suspension	14
Bonnet.	38
Brakes — front	6-7
Brakes — rear	9
Bumpers	14
Carburetor	25
Clutch	25
Controls	27-30
Brake Control	30
Carburetor Gas Control	25
Hand Control Levers (Gear Shift and Hand Brake)	27-28
Pedal Control (Clutch and Brake)	30
Drag Link	37
Fenders	38
Fan	17
Floor Mats and Pads	40
Frame	14
Gasoline Tank	15
Horn	40
Instruments and Mountings	41
Oil Pressure Gauge	41
Instrument Lamp	41
Shutter Control	15
Gasoline Gauge	41
Ammeter	41
Speedometer	41
Lamps	39-40
Lock, Transmission	27
Motor	16-22
Oil Reservoir Group	20
Camshaft and Crankshaft	20
Flywheel	21
Timing Sprockets and Chain	20
Generator Drive Shaft Group	21
Generator Coupling	21
Distributor Drive Shaft Group	22
Oil Pump Group	21-22
Cylinder	17
Exhaust Manifold	19
Piston	21
Connecting Rod	21
Valve and Tappet Group	21
Cylinder Head	19
Cylinder Side Plate	19
Front Cover	19
Motor Support Plates	19
Cylinder Studs, Nuts and Plugs	17
Muffler and Exhaust Pipe	22
Radiator	15
Rims — Demountable	10
Running Boards	38
Shock Eliminators	41
Splash Guards	38
Springs — front	11
Springs — rear.	11-12
Starting Crank	42
Starter Button and Wire	40
Steering Gear	35-37
Tire Carrier	37
Tools	42
Transmission	27
Universal Joints and Propeller Shaft	33-35
Vacuum Tank Connections and Gasoline Pipes	25
Wheels — front	10
Wheels — rear	10
Wire Wheel Carrier	37
Wiring	31-33
R. H. Drive Parts	42-43



Front Avia Assembly

FRONT AXLE

Illus. No.	Part No.	Description	Specifications	Per Car
....	CX 64275	FRONT AXLE ASSEMBLY		1
1	CX 63195	FRONT AXLE CENTER ASSEMBLY		1
2	GZ 18074	Taper pin	No. 4x1-1/4"	2

STEERING SPINDLE

3	BX 63237	SPINDLE AND BUSHING ASSEMBLY - R. H.		1
4	BX 63238	SPINDLE AND BUSHING ASSEMBLY - L. H.		1
5	BX 64360	BACKING PLATE ASSEMBLY - R. H.		†1
6	BX 64361	BACKING PLATE ASSEMBLY - L. H.		†1
7	BZ 3488	Nut	7/16"-20x29/64"	8
8	BZ 70298	Bolt	7/16"-20x1-3/8"	4
8	BZ 70299	Bolt	7/16"-20x2-11/16"	4
9	BM 70439	Welch plug	59/64"	4
....	BZ 70626	Welch plug	1-1/16"	2
10	BX 63190	Pivot pin	Cars 928658 to 974563	2
....	BX 64271	Pivot pin	Cars 974563 and up	2
11	BX 63199	Pivot pin lock		2
....	BZ 18108	Grease nipple pipe extension		2
12	BX 62830	Spindle dust shield		2
13	BX 70110	Bearing		2
14	BX 62735	Spindle bearing dust shield		2
15	BX 63194	Bushing - upper		2
....	BX 63853	Bushing - lower		2
16	BX 63201	Shim	.010" thick	4
16	BX 63200	Shim	.005" thick	4
17	BX 70294	Nut - spindle		2
18	BX 62714	Washer - spindle nut		2
19	BX 62706	Steering arm - R. H.		1
20	BX 62707	Steering arm - L. H.		1
21	BX 70333	Bolt	5/16"-18x1-1/4"	2
....	BX 122	Nut	5/16"-18x5/16"	2
22	BX 60206	Steering arm ball		1
23	BZ 72	Steering arm ball nut		1
....	BZ 18108	Grease nipple pipe extension		2

FRONT WHEEL BEARINGS

....	18248	BEARING ASSEMBLY - inner	Timken No. 2554-2520	2
24	18272	Cone and rollers - inner bearing	Timken No. 2554	2
25	18271	Cup - inner bearing	Timken No. 2520	2
....	18249	BEARING ASSEMBLY - outer	Timken No. 2382-2320	2
26	18274	Cone and rollers - outer bearing	Timken No. 2382	2
27	18273	Cup - outer bearing	Timken No. 2320	2
28	BZ 60522	Dust washer	Felt	2
29	BZ 62713	Dust washer retainer - inner		2
30	BZ 60523	Dust washer retainer - outer		2

TIE ROD

....	CX 63636	TIE ROD ASSEMBLY (Includes steering arm balls)		1
31	CX 63781	Tie rod		1
32	BX 63791	Tie rod socket complete - R. H. (Includes steering arm ball)		1
33	BX 63796	Tie rod socket complete - L. H. (Includes steering arm ball)		1
34	BX 63663	Tie rod socket clamp		2
35	BX 70560	Tie rod socket clamp bolt		2
36	BZ 62	Tie rod socket clamp bolt nut		2
37	BZ 63783	Tie rod ball dust cover assembly		2
38	BZ 63784	Tie rod ball dust cover retainer		2

FRONT BRAKES

39	BX 63994	BRAKE SHOE ASSEMBLY (2 shoes)		2
40	BX 62930	Brake shoe retracting spring		2
41	BX 64334	Camshaft and crank assembly		†2
42	BX 63989	Camshaft dust shield		2
43	BX 63984	Brake crank lever - L. H.		1
....	BX 63985	Brake crank lever - R. H.		1
44	BX 70361	Brake crank lever clamp bolt		2
45	BR 611	Brake crank lever clamp bolt nut		2
46	BX 64336	Cam plate and blocks assembly		†2
47	BX 63986	Reinforcement plate and anchor pin assembly		2
48	BT 398	Anchor pin nut		4
49	BX 70532	Anchor pin shakeproof lockwasher		4
50	BX 63959	Carrier bracket assembly		2
....	BX 63905	Cam plate and blocks assembly (wire wheels only)		2

When ordering give letter prefix with symbol number - Example: BX 61531.

FRONT BRAKES - Continued

Illus. No.	Part No.	Description	Specifications	Per Car
51	BX 30871	Carrier bracket bushing		4
...	BX 63962	Backing plate assembly - R. H.		1
...	BX 63963	Backing plate assembly - L. H.		1
52	BX 63977	Brake shoe silencing spring		2
53	BX 31613	Brake shoe spacer pin and eccentric washer		4
54	BX 31912	Brake shoe spacer pin and eccentric washer spring		4
...	BX 31912	Brake shoe spacer pin spring (wood wheels only)		4
55	BX 64309	Eccentric assembly		†2
56	BZ 62	Eccentric nut		2
57	BX 63958	Adjusting screw assembly		2
58	BX 63975	Adjusting screw pivot nut - L. H.		1
59	BX 63976	Adjusting screw pivot nut - R. H.		1
60	BX 63980	Adjusting screw spring (flat)		2
61	BX 63974	Adjusting screw cover plate		2
62	BX 62736	Brake operating lever - R. H.	(Cars 928658 to 1039689)	1
63	BX 62737	Brake operating lever - L. H.	(Cars 928658 to 1039689)	1
64	BX 62738	Brake operating lever pivot pin	(Cars 928658 to 1039689)	2
...	BX 64272	Brake operating lever - R. H.	(Cars 1039689 and upward)	1
...	BX 64273	Brake operating lever - L. H.	(Cars 1039689 and upward)	1
...	BX 64274	Brake operating lever pivot pin	(Cars 1039689 and upward)	2
65	BX 62739	Brake operating lever take-up spring		2
66	BX 62740	Brake operating lever dust shield		2
67	BX 62741	Brake operating lever dust washer		2
68	BX 61492	Brake operating lever dust washer (leather)		2

REAR AXLE

...	CY 63607	REAR AXLE ASSEMBLY	5-6/10 to 1	1
...	CY 63613	REAR AXLE ASSEMBLY	5-1/11 to 1	1

HOUSING

1	CY 64422	HOUSING ASSEMBLY		†1
...	BY 62697	Brake spider - R. H.		1
2	BY 62698	Brake spider - L. H.		1
...	GY 545	Rivet - button head	5/16"x1"	12
...	BY 63609	Brake dust shield assembly - R. H.		1
3	BY 63610	Brake dust shield assembly - L. H.		1
...	BY 564	Rivet - button head	1/4"x5/8"	8
4	BY 60505	Cover - housing		1
5	BZ 1157	Cap screw - housing cover	3/8" -16x3/4" hex	10
6	BY 2655	Gasket - housing cover		
7	BM 322	Pipe plug - housing cover		

DIFFERENTIAL AND CARRIER

8	CY 63189	CARRIER AND GEAR SET ASSEMBLY	5-6/10 to 1	1
...	CY 63616	CARRIER AND GEAR SET ASSEMBLY	5-1/11 to 1	1
9	CY 60769	CARRIER AND CAP ASSEMBLY (less gears)		1
10	BY 52160	Cap screw - bearing cap	7/16"-14x13/4" square	4
11	BM 13143	Stud - carrier to pinion housing	3/8"-16x1-21/32"	4
12	BM 110	Nut - carrier to pinion housing stud	3/8"-16x3/8" hex	4
13	BY 60209	Lock - bearing adjusting nut		2
...	BY 2655	Gasket - differential carrier		1
14	BM 304	Cap screw - carrier to housing	3/8"-16x1"	10
15	BY 60495	Adjusting nut - carrier bearing		2
16	18255	Bearing - differential	Timken No. 336 & 3320	2
...	18276	Cone and rolls - differential bearing	Timken No. 336	2
...	18275	Cup - differential bearing	Timken No. 3320	2
17	BY 62605	Case assembly - R. H., L. H. halves - Not sold separately		1
18	BY 60219	Stud - differential case	3/8"-24x3/8"-16x2-1/2"	4
19	BZ 124	Nut - case stud	3/8"-24 castle	4
20	BY 60480	Gear - differential	18 teeth	2
21	BY 9766	Pinion - differential	10 teeth	4
22	BY 60529	Spider		1
23	BY 62855	Drive gear	5-6/10 to 1	1
24	BY 62859	Drive pinion	5-6/10 to 1	1
...	BY 63346	Drive gear	5-1/11 to 1	1
...	BY 63347	Drive pinion	5-1/11 to 1	1
25	BY 18167	Bolt - drive gear	3/8"-24x1-7/16" spl	8
26	BY 18164	Nut - drive gear bolt	3/8"-24x21/64" spl	8
27	BY 62578	Lock plate - drive gear bolt nut		4

PINION HOUSING

Illus. No.	Part No.	Description	Specifications	Per Car
28	BY 62355	PINION SHAFT HOUSING ASSEMBLY (Includes bearing cups)	5-6/10 to 1 and 5-1/11 to 1	1
29	BY 60492	Shim - pinion shaft housing		As req.
29	BY 60494	Shim - pinion housing		As req.
...	18253	Bearing - pinion front	Timken No. 2691V & 2620	1
30	18280	Cone and rolls - pinion front bearing	Timken No. 2691V	1
31	18279	Cup - pinion front bearing	Timken No. 2620	1
...	70089	Bearing - pinion rear	Timken No. 3188 & 3120	1
32	70094	Cone and rolls - pinion rear bearing	Timken No. 3188	1
33	2442	Cup - pinion rear bearing	Timken No. 3120	1
34	BY 70436	Nut - pinion	5/8"-18 castle	2
35	BM 9553	Washer - pinion nut	21/32"x1-3/8"X1" plain	1
36	BY 60501	Lock - pinion adjusting nut	1/16" thick, 2" O. D	1
37	BY 61258	Lock nut - pinion adjusting nut	1-1/8"-20x9/32" spl	2
38	BY 62116	ADJUSTING NUT ASSEMBLY		1
39	BY 60498	Dust washer	Felt	1
40	BY 60503	Retainer - pinion dust washer		2
41	BY 62113	Dust collar - pinion		1
42	BY 60538	Key - pinion shaft to flange		1

DRIVE SHAFT

43	CY 61246	DRIVE SHAFT ASSEMBLY		2
44	BY 60496	Thrust button		2
45	BY 51701	Felt washer		2
46	BY 51677	Retainer - inner for felt washer		2
47	BY 51678	Retainer - outer for felt washer		2
48	BM 12172	Nut - wheel to shaft	5/8"-18 castle	2
49	BZ 18257	Washer - drive shaft nut		2
50	BY 51646	Key - wheel to shaft		2

REAR WHEEL BEARINGS

51	55109	BEARING ASSEMBLY	Timken No. 41STV & 412A	2
...	52146	Cone and rolls	Timken No. 415TV	2
...	12346	Cup	Timken No. 412A	2
52	BY 62748	BEARING ADJUSTING CAP ASSEMBLY (Includes bearing cup and felt washer)		2
53	BY 60491	Felt washer - adjusting cap		2
54	BZ 394	Bolt - adjusting cap	3/8"-16x1-1/4"	8
55	BY 60497	Shim - adjusting cap	.005" thick	As req.
55	BY 60488	Shim - adjusting cap	.015" thick	As req.

REAR WHEEL BRAKES

56	BX 63994	BRAKE SHOE ASSEMBLY (set 1 wheel)		2
57	BX 62930	Brake shoe retracting spring		2
58	BX 61334	Camshaft and crank assembly		2
59	BX 30871	Camshaft bushing		4
60	BX 63989	Camshaft dust shield		2
62	BY 62947	Brake crank lever - L. H.		1
...	BY 62948	Brake crank lever - R. H.		1
63	BX 70361	Brake crank lever clamp bolt		2
64	BR 611	Brake crank lever clamp bolt nut		2
65	BX 64336	Cam plate and blocks assembly		†2
66	BX 63986	Reinforcement plate and anchor pin assembly		2
67	BX 70532	Anchor pin shakeproof lockwasher		4
68	BT 398	Anchor pin nut		4
69	BX 63959	Carrier bracket assembly		2
...	BY 64362	Backing plate assembly - R. H.		†1
...	BY 64363	Backing plate assembly - L. H.		†1
71	BX 63977	Brake shoe silencing spring		2
72	BX 31613	Brake shoe spacer pin washer		4
73	BX 31912	Brake shoe spacer pin spring		4
74	BX 64309	Eccentric assembly		†2
75	BZ 62	Eccentric nut		2
76	BX 63958	Adjusting screw assembly		2
77	BX 63975	Adjusting screw pivot nut - L. H.		1
78	BX 63976	Adjusting screw pivot nut - R. H.		1
79	BX 63980	Adjusting screw spring (plate type)		2
80	BX 63974	Adjusting screw cover plate		2

When ordering give letter prefix with symbol number - Example: BX 61531.

FRONT WOOD WHEELS

Illus. No.	Part No.	Description	Specifications	Per Car
...	CW 63568	FRONT WOOD WHEEL ASSEMBLY	30" x 5.00"	2
...	BZ 63574	FRONT WHEEL HUB ASSEMBLY		2
...	BZ 145	Bolt - hub	3/8"-16x2-3/16"	16
...	BZ 70147	Nut - hub bolt	3/8"-16x5/16"	16
...	CW 63582	Brake drum		2
...	BZ 63580	Oil shield		2
...	BZ 62792	Brake inspection hole cover		2
...	BZ 7819	Screw	1/4"-20x 3/8"	2
...	BZ 60522	Dust washer		2
...	BZ 60523	Outer retainer - dust washer		2
...	BZ 60524	Inner retainer - dust washer		2
...	18248	BEARING ASSEMBLY - inner	Timken No. 2554 & 2520	2
...	18272	Cone and rolls - inner bearing	Timken No. 2554	2
...	18271	Cup - inner bearing	Timken No. 2520	2
...	18249	BEARING ASSEMBLY - outer	Timken No. 2382 & 2320	2
...	18274	Cone and rolls - outer bearing	Timken No. 2382	2
...	18273	Cup - outer bearing	Timken No. 2320	2
...	BZ 63584	Hub cap		2
...	BZ 70596	Rubber ferrule		2

REAR WOOD WHEELS

...	CW 63569	REAR WOOD WHEEL ASSEMBLY	30" x 5.00"	2
...	BZ 63576	Hub - rear wheel		2
...	BZ 145	Bolt - hub	3/8"-16x2-3/16"	16
...	BZ 70147	Nut - hub bolt		16
...	CW 63577	Brake drum		2
...	BZ 63581	Oil shield		2
...	BZ 62792	Brake inspection hole cover		2
...	BZ 70521	Screw	1/4"-20x3/8"	2
...	55109	BEARING ASSEMBLY	Timken No. 415TV & 412A	2
...	52146	Cone and rolls	Timken No. 415TV	2
...	12346	Cup	Timken No. 412A	2
...	BZ 63584	Hub cap		2
...	BZ 70596	Rubber ferrule	5/16"	2

WIRE WHEELS

...	CW 64387	WIRE WHEEL AND LOCKING RING ASSEMBLY	30"x5"	5
...	CZ 63875	Front hub assembly (Includes bearing cups and brake drums)		2
...	BZ 63872	Front hub (Includes bearing cups)		2
...	18271	Inner bearing cup	Timken No. 2520	2
...	18273	Outer bearing cup	Timken No. 232'0	2
...	CZ 63876	Rear hub assembly (Includes brake drum)		2
...	CZ 63871	Rear hub		2
...	BZ 31347	Hub bolt	Special	24
...	BZ 63723	Outer spoke		120
...	BZ 63724	Inner spoke		120
...	BZ 31340	Spoke nipple		300
...	CW 63730	Locking ring	Chromium-plated	5
...	BZ 63733	Hub cap - inner	Front wheel	2
...	BZ 63710	Hub cap		5
...	BZ 62792	Inspection hole cover		4
...	BZ 70521	Screw	1/4"-20x17/64" rd. hd	4
...	BZ 63877	Brake drum		4
...	BZ 63873	Front hub grease shield		2
...	BZ 63874	Rear hub grease shield		2

DEMOUNTABLE RIMS

...	CW 63603	RIM ASSEMBLY	20" base	5
...	BZ 28417	Lock - rim		5
...	BZ 62590	Stud - rim lock		5
...	BZ 63604	Clamp - rim		20
...	BZ 63605	Bolt - rim clamp		20
...	BZ 30785	Nut - rim clamp bolt		20

When ordering give letter prefix with symbol number - Example: BX 61531.

FRONT SPRINGS (All Models)

Illus. No.	Part No.	Description	Specifications	Per Car
...	CZ 63350	FRONT SPRING ASSEMBLY	8 leaves, 1-21/32" thick	2
...	CZ 63454	Leaf No. 1 (Includes bushings)	16-1/2" center to front; 19-1/2" rear to center	2
...	CZ 63455	Leaf No. 2	16-1/4" center to front; 19-1/4" rear to center	2
...	CZ 63456	Leaf No. 3 (Includes clips)	14" center to front; 161/2" rear to ctr.	2
...	CZ 63457	Leaf No. 4	12" center to front; 12" rear to center	2
...	CZ 63458	Leaf No. 5 (Includes front clip)	10" center to front; 11-1/2" rear to center	2
...	CZ 63459	Leaf No. 6	7-3/4" center to front; 9-1/4" rear to center	2
...	CZ 63460	Leaf No.	7-3/4" center to front; 6-3/4" rear to center	2
...	CZ 63461	Leaf No. 8	3-3/4" center to front; 4-1/4" rear to center	2
...	BZ 63465	Leaf clip - small		4
...	BZ 63444	Leaf clip - medium		4
...	BZ 63466	Leaf clip - large		4
...	BZ 63464	Center bolt	3/8"-16x2-1/8"	2
...	BM 110	Nut - center bolt	3/8"-16x3/8"	2
...	BZ 11175	Bushing - front end	5/8"x7/8"x1-15/16" plain.	2
...	BZ 11176	Bushing - rear end	5/8"x7/8"x1-15/16" drilled	2
...	BZ 60462	Bolt - front	5/8"-18x3-21/32"	2
...	BM 12172	Nut - front bolt	5/8"-18 castle	2
...	BZ 60444	Sleeve - front bolt		2
...	BZ 60461	Shackle bolt	5/8"-18x3-3/8" special	3
...	BZ 63515	Shackle bolt - thin head	5/8"-18x3-3/8"	1
...	BY 18093	Nut - shackle bolt	5/8"-18x3/8" special	4
...	BZ 60459	Shackle - plain		2
...	BZ 60460	Shackle - tapped		2
...	BZ 63414	Clip "U" bolt		2
...	BY 3433	Nut - clip	1/2"-20x7/16"	8
...	BZ 62049	Rubber bumper		2
...	BZ 60718	Strap - bumper		2

REAR SPRINGS

(Roadster, Coupe, Convertible Coupe)

...	CZ 63775	REAR SPRING ASSEMBLY	54-7/8" center to center	2
...	CZ 63443	Leaf No. 1 (Includes bushings)	28-9/16" front; 26-5/16" rear bush. center to center	2
...	CZ 63442	Leaf No. 2	27-3/4" center to front; 26-1/4" to rear..	2
...	CZ 63437	Leaf No. 3 (Includes front clip)	23-3/4" center to front; 21-1/2" to rear	2
...	CZ 63438	Leaf No. 4 (Includes rear clip)	19-1/2" center to front; 17-1/2" to rear	2
...	CZ 63439	Leaf No. 5	15-1/4" center to front; 13-3/4" to rear	2
...	CZ 63440	Leaf No. 6	11" center to front; 10" to rear	2
2...	CZ 63441	Leaf No. 7	6-3/4" center to front; 6-1/4" to rear	2
...	BZ 63463	Leaf clip - small		4.
...	BZ 63462	Leaf clip - large		4
...	BZ 63464	Center bolt		2
...	BM 110	Nut - center bolt		2
...	BZ 11175	Bushing - spring eye	5/8"x7/8"x1-15/16" plain	2
...	BZ 60462	Bolt - spring front end	5/8"-18x3-21/32" special.	2
...	BM 12172	Nut - front spring bolt	5/8"-18 castle	2
...	BZ 60444	Sleeve - front spring bolt		2
...	BZ 60461	Shackle bolt	5/8"-18x3-3/8" special	4
...	BY 18093	Nut - shackle bolt	5/8"-18x3/8" special	4
...	BZ 60459	Shackle Plain		2
...	BZ 60460	Shackle Threaded		2
...	BZ 63415	Clip - rear spring "U" bolt		2
...	BY 3433	Nut - rear spring clip	1/4"-20x11/16" special	8
...	BZ 60466	Strap - rear spring clip		2
...	BZ 60467	Plate - rear spring		2

When ordering give letter prefix with symbol number - Example: BX 61531.

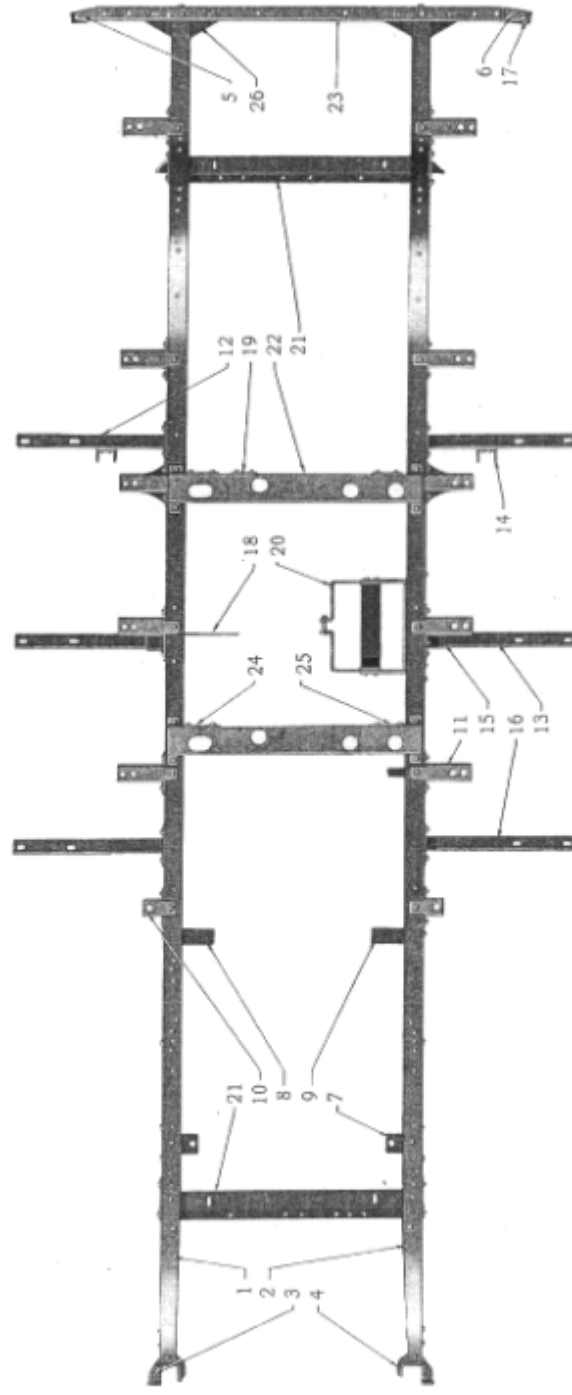
REAR SPRINGS (Coach, Sedan, Phaeton)

Illus. No.	Part No.	Description	Specifications	Per Car
...	CZ 63776	REAR SPRING ASSEMBLY	54-7/8" center to center	2
...	CZ 63443	Leaf No. 1 (Includes bushings)	28-9/16" front; 26-5/16" rear bush. center to center	2
...	CZ 63430	Leaf No. 2 (Includes clips)	28" center to front; 26" to rear	2
...	CZ 63431	Leaf No. 3	23-1/2" center to front; 21-1/2" to rear	2
...	CZ 63432	Leaf No. 4	19-1/4" center to front; 17-1/2" to rear	2
...	CZ 63433	Leaf No. 5	15-1/4" center to front; 14" to rear	2
...	CZ 63434	Leaf No. 6	11-1/2" center to front; 10-3/4" to rear	2
...	CZ 63435	Leaf No. 7	8-1/2" center to front; 7-3/4" to rear	2
...	CZ 63436	Leaf No. 8	5-1/2" center to front; 5" to rear	2
...	BZ 63470	Spring leaf clip - small		2
...	BZ 63471	Spring leaf clip - large		2
...	BZ 63472	Center bolt		2
...	BM 110	Center bolt nut		2
...	BZ 11175	Bushing - spring eye	5/8"x7/8"x1-15/16" plain	2
...	BZ 60462	Bolt - spring front end	3/8"-18x3-21/32" special	2
...	BM 12172	Nut - front spring bolt	5/8"-18 castle	2
...	BZ 60444	Sleeve - front spring bolt		2
...	BZ 60461	Shackle bolt	5/8"-18x3-3/8" special	4
...	BY 18093	Nut - shackle bolt	5/8"-18x3/8" special	4
...	BZ 60459	Shackle Plain		2
...	BZ 60460	Shackle Threaded		2
...	BZ 63415	Clip - rear spring "U" bolt		2
...	BY 3433	Nut - rear spring clip	1/4"-20x11/16" special	8
...	BZ 60466	Strap - rear spring clip		2
...	BZ 60467	Plate - rear spring		2

REAR SPRINGS (Town Sedan)

...	CZ 63349	REAR SPRING ASSEMBLY	54-7/8" long center to center	2
...	CZ 63443	Leaf No. 1 (Includes bushings)	28-9/16" front; 26-5/16" rear bush. center to center	2
...	CZ 63445	Leaf No. 2	28-1/4" center to front; 25-1/4" to rear	2
...	CZ 63446	Leaf No. 3 (Includes clips)	25-3/8" center to front; 22-5/8" to rear	2
...	CZ 63447	Leaf No. 4	22-1/2" center to front; 20" to rear	2
...	CZ 63448	Leaf No. 5	19-3/4" center to front; 17-1/4" to rear	2
...	CZ 63449	Leaf No. 6	17" center to front; 14-1/2" to rear	2
...	CZ 63450	Leaf No. 7	14-1/4" center to front; 11-7/8" to rear	2
...	CZ 63451	Leaf No. 8	11-1/2" center to front; 9-1/4" to rear	2
...	CZ 63452	Leaf No. 9	8-3/4" center to front; 6-5/8" to rear	2
...	CZ 63453	Leaf No. 10	6" center to front; 4" to rear	2
...	BZ 63467	Leaf clip - small		4
...	BZ 63468	Leaf clip - large		4
...	BZ 63469	Center bolt		2
...	BM 110	Nut - center bolt		2
...	BZ 11175	Bushing - spring eye	5/8"x7/8"x1-15/16" plain	4
...	BZ 60462	Bolt - spring front end	5/8"-18x3/8" special	2
...	BM 12172	Nut - front spring bolt	5/8"-18 castle	2
...	BZ 60444	Sleeve - front spring bolt		2
...	BZ 60461	Shackle bolt	5/8"-18x3-3/8" special	4
...	BY 18093	Nut - shackle bolt	5/8"-18x3/8" special	4
...	BZ 60459	Shackle Plain		2
...	BZ 60460	Shackle Threaded		2
...	BZ 63415	Clip - rear spring "U" bolt		2
...	BY 3433	Nut - rear spring clip	1/4"-20x11/16" special	8
...	BZ 60466	Strap - rear spring clip		2
...	BZ 60467	Plate - rear spring		2

When ordering give letter prefix with symbol number - Example: BX 61531.



Frame Assembly

FRAME

Illus. No.	Part No.	Description	Specifications	Per Car
...	CF 63651	FRAME ASSEMBLY (Domestic only)		1
...	CF 63680	FRAME ASSEMBLY - L. H. D. (Export)		1
1	CF 63676	SIDE MEMBER ASSEMBLY - R. H. (Domestic only)		1
2	CF 63677	SIDE MEMBER ASSEMBLY - L. H. (Domestic only)		1
...	CF 63674	SIDE MEMBER ASSEMBLY - R. H. (Export)		1
...	CF 63675	SIDE MEMBER ASSEMBLY - L. H. (Export)		1
...	BZ 60946	Reinforcement - side member kickup - R. H.		1
...	BZ 60947	Reinforcement - side member kickup - L. H.		1
...	CF 62729	Side member brace - R. H.		1
...	CF 62730	Side member brace - L. H.		1
3	BF 63627	Front end - R. H.		1
4	BF 63628	Front end - L. H.		1
5	BZ 61259	Frame rear end assembly - R. H.		1
6	BZ 61260	Frame rear end assembly - L. H.		1
...	BY 3197	Rivet	5/16"x7/8"	37
...	GZ 18241	Rivet	5/16"x 2-1/4"	2
...	GZ 18250	Rivet	7/16"x 15/16"	1
...	GZ 18239	Rivet	5/16"x 2-1/2"	2
...	GZ 18240	Rivet	5/16"x 3-1/2"	2
7	BZ 60443	Front motor support bracket		2
8	BZ 64153	Rear motor support bracket - R. H.		1
9	BZ 64154	Rear motor support bracket - L. H.		1
...	BM 63244	Rear motor support brace		1
10	BZ 60445	Body bracket - front		1
11	BZ 60446	Body bracket - large		1
12	BZ 62724	Running board channel and idler bracket assembly - R. H.		1
...	BZ 62725	Running board channel and idler bracket assembly - L. H.		1
13	BZ 62726	Running board channel and bracket assembly - center		4
14	BZ 62733	Idler lever support		2
15	BZ 60447	Running board bracket		2
...	BZ 62731	Running board channel		2
16	BZ 63412	Running board channel - front and rear		4
...	BZ 60449	Front spring rear bracket assembly		2
17	BZ 11175	Bushing - spring bracket		2
...	BZ 60457	Rear spring front bracket - R. H.		1
...	BZ 60458	Rear spring front bracket - L. H.		1
...	BZ 60451	Bracket - starting crank		1
18	BZ 63742	Muffler hanger - front		1
19	BZ 60453	Muffler hanger - rear		1
20	BZ 62118	Storage battery tray	Rubber case battery	1
...	BZ 62052	Propeller shaft safety bracket		1
...	BX 395	Bolt - safety bracket	5/16"-18x5/8"	2
...	BZ 122	Nut - safety bracket bolt	5/16"-18x5/16"	2

CROSS MEMBERS

21	CZ 63593	Front and rear middle cross member	27-3/4" long	2
22	CZ 62734	Brake cross member	27-1/2" long	2
23	CZ 63712	Rear cross member	44" long	1
...	BZ 60437	Plate - front and rear middle member		2
24	BZ 60441	Gusset - R. H. middle and brake member		2
25	BZ 60442	Gusset - L. H. middle and brake member		2
26	BZ 60439	Gusset - rear member		2

BUMPERS

...	CZ 81685	FRONT BUMPER ASSEMBLY		1
...	GY 12182	Bolt - front bumper to frame	7/16"-14 x 1"	4
...	BZ 82487	Reinforcement		2
...	CZ 82488	Inside bar - R. H.		1
...	CZ 82489	Inside bar - L. H.		1
...	CZ 82490	Outside bar		2
...	BZ 82491	Finish plate		2
...	BZ 82531	Bolt - finish plate carriage		2
...	BZ 70572	Nut - finish plate bolt		2
...	BZ 82492	Bolt - outside and inside bar - end		2
...	BZ 70481	Nut - outside and inside bar - bolt		2
...	CZ 81711	BUMPERETTE ASSEMBLY - R. H.		1
...	CZ 81712	BUMPERETTE ASSEMBLY - L. H.		1
...	BZ 82661	Reinforcement - R. H.		1
...	BZ 82662	Reinforcement - L. H.		1
...	CZ 82502	Inside bar - R. H.		1
...	CZ 82503	Inside bar - L. H.		1
...	CZ 82507	Outside bar - upper - R. H.		1
...	CZ 82508	Outside bar - upper - L. H.		1
...	CZ 82515	Outside bar - lower - R. H.		1

When ordering give letter prefix with symbol number - Example: BX 61531.

BUMPERETTES (Rear)

Illus. No.	Part No.	Description	Specifications	Per Car
....	BZ 82492	Outside bar bolt		2
....	BZ 70481	Outside bar bolt nut		2
....	CZ 82516	Outside bar - Lower - L. H.		1
....	BZ 82505	Finish plate - R. H.		1
....	BZ 82506	Finish plate - L. H.		1
....	BZ 82531	Bolt - finish plate		2
....	BZ 70572	Nut - finish plate bolt		2
....	BZ 82533	Inside plate		2
....	BZ 6955	Bolt - bumperette to frame	7/16"-14 x 2"	4

GASOLINE TANK

....	CZ 63699	GAS TANK ASSEMBLY	11 gal. capacity	1
....	BZ 31236	Filler cap 21/4"-16 thread.		1
....	BZ 30740	Gasket - filler cap	1-5/8" I. D.x2-3/16" O. D	1
....	BZ 2346	Drain plug 3/8 extension head		1
....	BZ 30738	Filler neck		1
....	BZ 63701	Gasoline gauge - tank unit assembly		1
....	BZ 12488	Screw - gauge to tank		5
....	BZ 70434	Screw - gasoline gauge	No. 8—32x1/4" brass	1
....	BZ 31310	Gasket - gauge tank unit		1
....	BZ 63734	Gasoline suction and vent tube assembly		1
....	BZ 5652	Screw - unit to tank	No. 10—24x3/8"	2
....	BZ 31353	Gasket - suction and vent tube unit		1

GASOLINE TANK STRAP

....	BZ 61460	GASOLINE TANK STRAP ASSEMBLY.		2
....	BM 219	Bolt	5/16"-18x-3/4"	2
....	GZ 18263	Bolt	5/16"-18x4-3/4"	4
....	BZ 122	Nut	5/16"-18x5/16"	6

RADIATOR

....	A 64247	RADIATOR COMPLETE		1
------	---------	-------------------	--	---

SHELL AND SHUTTERS

....	A 81259	SHELL AND SHUTTERS ASSEMBLY (specify color)		1
....	A 81314	Radiator shell assembly - less shutters		1
....	BZ 18218	Screw - shell to core	1/4"-20x5/8"	8
....	BM 272	Nut - shell to core screw	1/4"-20x1/4" hex	8
....	BZ 81263	Name plate		1
....	BZ 78758	SHUTTER BLADE ASSEMBLY (specify color)		17
....	BZ 81308	Shutter rail assembly		2
....	BZ 81310	Shutter operating rail assembly		1
....	BZ 81261	Shutter bell crank		1
....	BZ 81184	Shutter bell crank bracket		1
....	BZ 81271	Starting crank hole cover		1

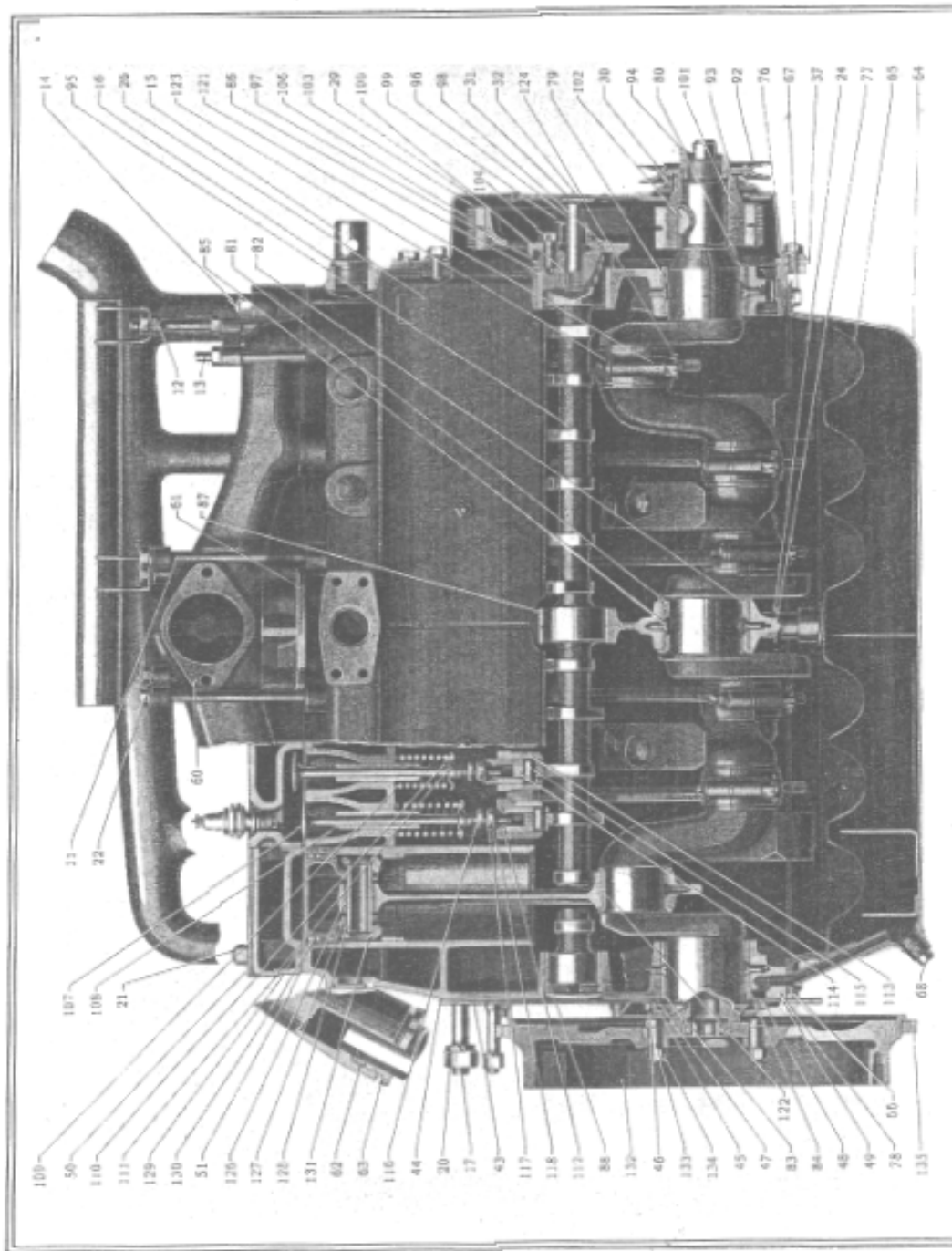
CORE

....	CZ 64156	CORE, TANK AND SUPPORT ASSEMBLY		
....	BZ 62495	Core anchorage and reinforcement strap		
....	BZ 30345	Shim		4
....	BZ 70435	Bolt and nut	3/8"-16x3-3/4" carriage	2
....	BZ 60548	Shim	1/8" x2"x9-1/2"	1
....	BM 18118	Drain cock	1/4" pipe	1
....	BZ 64249	Filler neck		1
....	BZ 81272	Filler cap		1
....	BZ 62353	Gasket - filler cap		1
....	CZ 62211	Tie rod — radiator to cowl		1
....	BZ 62	Nut — tie rod		1
....	BZ 63606	Upper hose		1
....	BZ 62841	Lower hose		1
....	BZ 70328	Clamp — hose	2-5/8"	4

SHUTTER CONTROL

....	BZ 79281	SHUTTER CONTROL BRACKET ASSEMBLY		1
....	BZ 76429	Knob — shutter control		1
....	BZ 29111	Ratchet		1
....	BZ 79272	Ratchet spring		1
....	BO 18464	Screw — bracket to instrument board	1/4"-20x7/16" special head	2
....	GO 12120	Nut — bracket to instrument board screw	1/4"-20x1/4" square	2
....	BZ 81279	Operating rod		1
....	BZ 12481	Nut — operating rod		1
....	BZ 70492	Adjustable yoke end	1/4"	1
....	BZ 8682	Clevis pin	1/4"x7/8"	1
....	BZ 18292	Bolt	1/4"-20x1"	1
....	BO 12120	Nut	1/4" 20x14"	1

When ordering give letter prefix with symbol number - Example: BX 61531



Motor—Side View

FAN

Illus. No.	Part No.	Description	Specifications	Per	Car
...	BM 62670	FAN ASSEMBLY			1
...	BM 62671	Hub			1
...	BM 62672	Gasket - hub			1
...	BM 62666	Blade - inner			1
...	BM 62667	Blade - outer			1
...	BF 395	Bolt - blade to hub			4
...	BM 63302	Spindle			1
...	BM 30849	Fan spindle washer - fibre			1
...	BM 62673	Spring - spindle			1
...	BM 306	Ball - spindle			1
...	BM 30177	Ball retainer			1
...	BM 26538	Shim - spindle			1
...	BM 120	Pipe plug	1/2 extension head		1
...	BY 18093	Nut - spindle			1
...	BM 30849	Washer - fan spindle	Fibre		1
...	BM 60082	Supporting arm			1
...	BM 60156	Lock - supporting arm			1
...	BM 62549	Belt			1
...	BM 63546	Fan pulley - on crankshaft			1

MOTOR

...	CM 63500	MOTOR ASSEMBLY			1
-----	----------	----------------	--	--	---

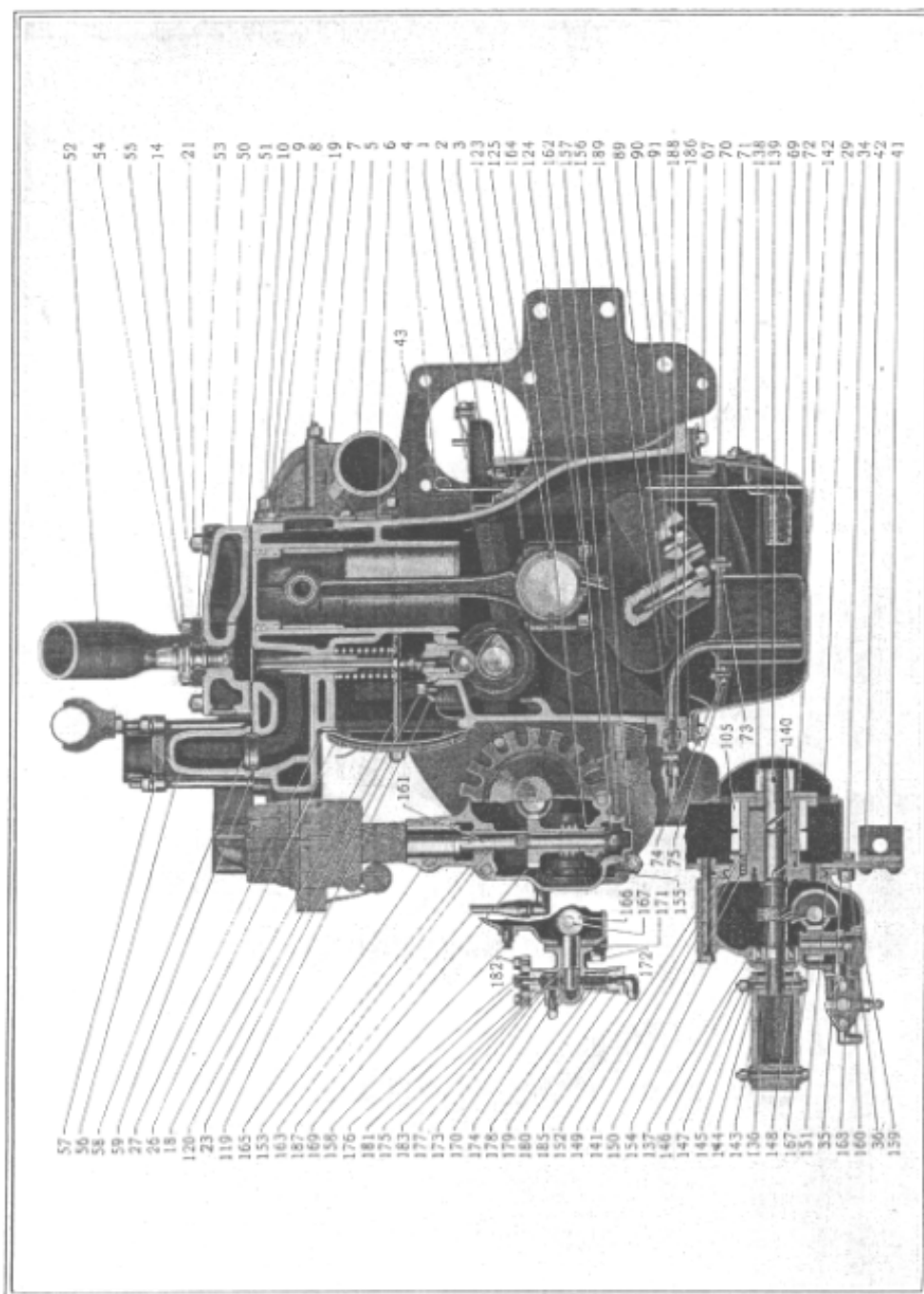
CYLINDER GROUP

...	CM 63505	CYLINDER AND PISTON ASSEMBLY			1
...	CM 63501	CYLINDER ASSEMBLY			1
...	BM 61916	Oil deflecting shield - camshaft			2
...	BM 9182	Screw - camshaft shield			4
...	BM 61970	Oil deflecting shield - cylinder			2
...	CZ 61978	Camshaft bearing dowel hole seal			3
...	BM 61600	OIL FILLER COMPLETE			1
...	BM 70382	Gasket - heat indicator plug			1
1	BM 61595	Cover - oil filler			1
2	BM 12498	Screw - oil filler	1/4"-20x7/16"		1
3	BM 60081	Tube - oil filler			1
4	BM 61359	Oil level gauge			1
5	BM 63532	WATER INLET ELBOW			1
6	BM 60049	Gasket - water inlet elbow			1
...	BM 63550	Gasket - carburetor to manifold			1
...	BM 63004	Plug - heat indicator			1
7	BM 63541	WATER CIRCULATION INSPECTION PLATE			2
8	BM 63542	GASKET - WATER CIRCULATION INSPECTION PLATES			2
9	BM 219	Bolt	5/16"-18x3/4" U. S. S		16
10	BO 70177	Washer	317x5/8"x1/32" sheet brass		16
...	BM 63543	COIL BRACKET			1

CYLINDER STUDS, NUTS AND PLUGS

...	BM 60041	Stud - center and rear bearing	1/2"-13 and 1/2"-20x3-1/4"		4
...	BM 60042	Stud - front bearing	1/2"-13 and 1/2"-20x4-1/8"		2
11	BM 63553	Stud - exhaust manifold - long			2
12	BM 63554	Stud - exhaust manifold - medium			3
13	BM 63555	Stud - exhaust manifold - short			3
...	BM 61549	Stud - exhaust manifold	5/16"-18x4-1/8"		1
14	BM 60076	Stud - cylinder head - short	3/8"-16x2-5/8"		17
14	BM 63544	Stud - cylinder head - medium			2
14	BM 61222	Stud - cylinder head - long			2
15	BM 60078	Stud - fan lever	1"-14 thread		1
16	BM 18243	Gasket - fan lever stud			1
17	BM 4946	Stud — cylinder to transmission	1/2"-13x3"		2
18	BM 60147	Stud — cylinder side plate	1/4 "-20x5-1/2"		2
19	BM 13073	Stud — water inlet elbow	5/16"-18x1-1/4"		4
19	BM 63556	Stud — water manifold - long			1
...	BM 61665	Dowel - cylinder to transmission			2
20	BM 108	Nut - cylinder to transmission stud	1/2"-13x1/2" hex		2
21	BM 110	Nut - cylinder head stud	3/8"-16x3/8"		21
22	BZ 122	Nut - exhaust manifold stud	5/16"-18x5/16"		21
23	BM 272	Nut - side plate stud	1/4"-20x1/4" hex		2
24	BM 18382	Nut - bearing stud	1/4"-20x5/8" special		6
...	BM 13193	Welch plug	1-3/4"		1
...	BM 14112	Welch plug	1"		8

When ordering give letter prefix with symbol number - Example: BX 61531.



Motor—End View

CYLINDER SIDE PLATE

Illus. No.	Part No.	Description	Specifications	Per Car
26	BM 61368	SIDE PLATE COMPLETE		1
...	BM 61627	Baffle		2
...	BM 60134	Leather		1
...	BM 60133	Stiffener		2
27	BM 61615	Gasket		1
...	BM 272	Nut - side plate stud	3/4"-20x1/2" hex	2

FRONT COVER

29	BM 62558	FRONT COVER ASSEMBLY		1
30	BM 60028	Felt washer		1
31	BM 23625	Thrust plate - camshaft		1
32	BM 4971	Rivet - thrust plate		2
...	BM 219	Bolt	5/16"-18x3/4"	13
34	BT 395	Bolt	5/16"-18x5/8"	2
35	BZ 122	Nut	5/16"-18x5/16"	6
36	BM 62552	Gasket - cover		1

FRONT SUPPORT PLATE

37	BM 63506	FRONT SUPPORT PLATE COMPLETE		1
...	BM 62076	Oil deflector - front plate		1
...	BM 62079	Gasket - oil deflector		1
...	BM 63563	Bracket pad Rubber		2
...	BZ 1157	Bolt - front plate to cylinder	3/8"-16x3/4"	7
41	BM 63557	Bracket - front motor plate - R. H		1
...	BM 63558	Bracket - front motor plate - L. H		1
42	GY 84	Rivet - bracket to plate		8
...	BM 17976	Flared tube union	1/8" pipe x 1/2"-20	1
...	BM 70449	Bolt - support bracket to frame	1/2"-20x15/16"	2
...	BZ 72	Bracket to frame bolt	1/2"-20 castle	2
...	BM 62554		Gasket - plate to cylinder	1
...	BM 60143		Oil guide - on front plate	1

REAR SUPPORT PLATE

43	BM 63241	REAR SUPPORT PLATE		1
...	BM 63244	REAR MOTOR SUPPORT BRACE		1
44	BM 61631	Gasket - plate to cylinder		1
...	BO 70449	Bolt - plate to support	1/2"-20x1-1/8"	2
...	BZ 72	Nut - plate to support bolt	1/2"-20 castle	4
...	BZ 1157	Bolt - plate to cylinder	3/8"-16x3/4"	5
...	BM 61658	Stud - starting motor	3/8"-16x3-1/8"	3
...	BM 110	Nut - starting motor stud	3/8"-16x3/8"	6
45	BM 64450	Upper oil plate assembly - crankshaft		†1
46	BM 70484	Screw - upper oil plate	1/4"-20x7/16"	7
47	BM 63591	Gasket - upper oil plate		†1
48	BM 64451	Lower oil plate - crankshaft		1
49	BM 63592	Lower oil plate gasket - crankshaft		1
...	BM 63244	Rear motor support brace		1

CYLINDER HEAD

50	CM 63504	CYLINDER HEAD ASSEMBLY		1
51	BM 63527	Gasket		1
...	BM 9751	Welch plug	7/8"	3
...	BM 110	Nut - cylinder head stud	3/8-16x3/8"	20

WATER OUTLET MANIFOLD

52	BM 63531	WATER OUTLET MANIFOLD		1
53	BM 63549	Gasket - manifold to cylinder		6
54	BM 13073	Stud - manifold to cylinder	5/16"-18x1-1/4"	12
55	BZ 122	Nut - manifold stud	5/16"-18x5/16"	12

EXHAUST MANIFOLD

56	BM 63530	EXHAUST MANIFOLD		1
57	BM 60046	Clamp		4
...	BZ 122	Nut - manifold studs	5/16"-18x5/16"	12
...	BZ 6440	Washer - manifold stud nut	21/64"x5/8"x5/64"	12
58	BM 60043	Ring		6
59	BM 60047	Gasket		6
...	BM 63551	Gasket - exhaust manifold valve		1
61	BM 63552	Gasket - carburetor riser		1
62	BM 60075	Packing - manifold to exhaust pipe		3
63	BM 60065	Packing nut - manifold to exhaust pipe		1
...	BM 70470	Bolt - heater valve to manifold	5/16"-18x1-29/32"	3

When ordering give letter prefix with symbol number - Example: BX 61531.

OIL RESERVOIR

Illus. No.	Part No.	Description	Specifications	Per Car
64	CM 63689	OIL RESERVOIR ASSEMBLY (less tray and gauge)		1
65	BM 63691	Oil reservoir tray assembly (less screen)		1
66	BM 62544	Gasket - reservoir to crankcase		2
67	BM 219	Bolt	5/16"-18x3/4"	24
68	BZ 2346	Drain plug		1
69	BM 63693	Oil level gauge assembly - oil pan unit		1
70	BO 70528	Screw - gauge to pan		5
71	BO 70434	Screw - gauge	No. 8-32x1/4" brass	1
...	BM 62376	Baffle		6
...	BM 61359	Gauge - oil level	Bayonet type	1
72	BM 63695	Filter screen assembly		1
...	BM 62376	Baffle		6
74	BO 12126	Screw - filter screen to tray		2
75	BZ 12799	Nut - filter screen screw		2
...	BM 30900	Oil level gauge flange cover		1
...	BM 31263	Oil level gauge gasket		1

CRANKSHAFT AND CAMSHAFT BEARINGS

76	BM 62526	Cap - front bearing		1
77	BM 62527	Cap - middle bearing		1
78	BM 62528	Cap - rear bearing		1
...	BM 13569	Packing - front and rear caps		4
79	BM 63109	Front bearing - upper		1
80	BM 63110	Front bearing - lower		1
81	BM 63111	Center bearing - upper		1
82	BM 63112	Center bearing - lower		1
83	BM 63113	Rear bearing - upper		1
84	BM 63114	Rear bearing - lower		1
...	BM 63228	Front bearing shim	.003' thick	6
...	BM 63229	Front bearing shim	.004' thick	6
...	BM 63230	Front bearing shim	.050' thick	4
...	BM 63231	Center bearing shim	.003' thick	6
...	BM 63232	Center bearing shim	.004' thick	6
...	BM 63233	Center bearing shim	.050' thick	4
...	BM 63234	Rear bearing shim	.003' thick	6
...	BM 63235	Rear bearing shim	.004' thick	6
...	BM 63236	Rear bearing shim	.050' thick	4
85	BM 2335	Bearing retainer screw	1/4"-20x1/2"	6
86	BM 60012	Bearing - camshaft - front		1
87	BM 60013	Bearing - camshaft - center		1
88	BM 60011	Bearing - camshaft - rear		1
...	BM 61074	Dowel - camshaft bearing		3
...	BM 61978	Seal - camshaft bearing dowel hole		3

CRANKSHAFT

89	CM 63503	CRANKSHAFT ASSEMBLY		1
90	BM 61670	Stud - weights	7/16"-20x2--9/16" special	8
91	BM 18404	Nut - weight stud 7/16"-20 castle		8
...	BT 18370	Clutch pilot ball bearing	N. D. 1202	1
92	BM 63546	Fan pulley		1
93	BM 63548	Washer - starting crank jaw		1
94	BM 63547	Starting crank jaw		1

CAMSHAFT

95	CM 63529	CAMSHAFT		1
96	BM 61613	Thrust button		1
97	BM 60701	Thrust washer		1
98	BM 61571	Plate		1
99	BM 61570	Guide		1
100	BM 61614	Spring		1

TIMING SPROCKETS AND CHAIN

101	BM 63545	CRANKSHAFT SPROCKET	19 teeth	1
102	BM 11799	Key - crankshaft sprocket	Woodruff No. A	1
103	BM 60019	Camshaft sprocket	38 teeth	1
104	BM 4934	Screw - camshaft sprocket	3/8"-16x3/4" special	3
105	BM 60120	Generator drive sprocket	16 teeth	1
106	BM 60139	Drive chain	Morse No. 28	1

When ordering give letter prefix with symbol number - Example: BX 61531.

VALVE AND TAPPET GROUP

Illus. No.	Part No.	Description	Specifications	Per Car
107	BM 63797	VALVE		12
108	BM 61360	VALVE STEM GUIDE		12
109	BM 63773	Spring		12
110	BM 60111	Seat - valve spring		12
111	BM 60104	Retainer - spring seat Horseshoe		12
...	BM 61640	TAPPET AND GUIDE ASSEMBLY		12
112	BM 61695	Tappet		12
113	BM 61697	Guide - tappet		12
114	BM 61696	Roller		12
115	BM 60106	Pin - roller		12
116	BM 61512	Adjusting screw		12
117	BM 60109	Nut - adjusting screw		12
118	BM 60099	Plate - adjusting screw		12
119	BM 60681	Clamp - tappet guide		6
120	BZ 908	Bolt - guide clamp		6

CONNECTING ROD

121	BM 63107	CONNECTING ROD COMPLETE - R. H. (Cylinders 1-2-4)		3
122	BM 63108	CONNECTING ROD COMPLETE - L. H. (Cylinders 3-5-6)		3
123	BM 62521	Bolt	3/8"-24x1-5/16" special	12
124	BM 50122	Nut	3/8"-24 castle	12
125	BM 62524	Shim	.003" thick	36
...	BM 62523	Shim	.005" thick	36
...	BM 62522	Shim	.050" thick	24
126	BM 60062	Bushing		6

PISTON

127	BM 63533	PISTON (See piston reference sheet for correct sizes)		6
128	BM 61516	Piston pin - furnished in standard, also .001, .002, .005, .010, .015 and .020 oversize		6
129	BM 63534	Piston ring - furnished in standard, also .005, .010, .020 and .030 oversize		6
130	BM 63535	Piston ring (oil regulating) - furnished in standard, also .005, .010, .020 and .030 oversize		12
131	BM 60063	Lock ring - Piston pin		12

FLYWHEEL

132	CM 62342	FLYWHEEL AND RING ASSEMBLY		1
133	BM 60023	Flywheel bolt		4
134	BY 18164	Nut - flywheel bolt	3/8"-24x21/64" hex	4
...	BM 61446	Flywheel bolt nut lock		4
135	BM 62465	Flywheel ring		1

GENERATOR DRIVE GROUP

136	BM 60925	GENERATOR DRIVE SHAFT		1
137	GM 18317	Annular ball bearing	No. 203 annular	1
...	BZ 115	Key - drive shaft	Woodruff No. 9	1
138	BM 23628	Coupling - stationary		1
139	BM 16327	Pin - stationary coupling	3/16"x1-5/8" straight	1
140	BM 23629	Coupling - floating	Bronze	1
141	BM 57043	Thrust washer - generator sprocket		1
142	BT 10965	Pin - thrust washer	1/8"x5/16" straight	1
143	BM 60938	Sleeve		1
144	BM 60130	Coupling	1-1/4" I.D.x4" hose	1
145	BM 60127	Clamp - coupling		4
146	BM 18244	Bolt - coupling clamp	1/4"-20x2-1/4"	2
147	BM 272	Nut - clamp bolt	1/4"-20x1/4" hex	2
148	BM 61569	Oil deflector ring		1
...	BM 63183	GENERATOR STRAP ASSEMBLY		1
...	BM 60138	Pin - generator strap	3/16"x1-7/8"	1
...	BM 63182	Generator bracket		1
...	BT 395	Bolt - generator bracket	5/16"-18x 5/8"	4

ECCENTRIC

149	BM 64160	ECCENTRIC		†1
150	BM 23701	Spring long		2
151	BM 64161	Gasket		†3
152	BM 61431	Adjusting plate (not used with eccentric 64160)		1
...	BM 64162	Oil pump and distributor bolt spacer		†3

OIL PUMP AND DISTRIBUTOR SUPPORT

153	BM 61269	SUPPORT ASSEMBLY - PUMP AND DISTRIBUTOR		1
154	GZ 18247	Bolt - support	5/16"-18x3	2

When ordering give letter prefix with symbol number - Example= BX 61531.

OIL PUMP AND DISTRIBUTOR SUPPORT - Continued

Illus. No.	Part No.	Description	Specifications	Per Car
...	GZ 18245	Bolt - support	5/16"-18x3-3/4"	1
...	BM 61076	Spacer		1
155	BZ 122	Nut - support bolt	5/16"-18x5/16"	1
156	BS 9956	Plug	1/4"-20x13/16" special	1
157	BS 9957	Gasket - support plug	McKimm	1
158	BM 120	Pipe plug	1/8"	1
159	BM 14112	Welch plug	1"	1
160	GZ 1240	Pin - oil pump gear shaft	1/8"x1" straight pin	1

OIL PUMP AND DISTRIBUTOR DRIVE

161	BM 60145	DISTRIBUTOR DRIVE SHAFT		1
162	BR 611	Nut - drive shaft		1
163	BM 60144	Bushing - upper		1
164	BM 60118	Bushing - lower		1
165	BM 60966	Lock stud		1
...	BM 794	Nut - lock stud		1
166	BM 62467	OIL PUMP GEAR AND ECCENTRIC ASSEMBLY (Includes bushing)		1
167	BM 60115	Bushing - oil pump gear		1
168	BM 60124	Shaft - oil pump gear		1
169	BM 61648	Oil pump drive worm and distributor driven gear		1

OIL PUMP

...	BM 63637	OIL PUMP AND PLUNGER ASSEMBLY		1
170	BM 63638	Body		1
171	BM 60148	Gasket - pump to support		1
172	BT 395	Bolt - pump to support	5/16"-18x5/8"	2
173	BM 63640	Main plunger		1
174	BM 63641	Main plunger spring		1
175	BM 63645	Distributor plunger and pin assembly		1
176	BM 19959	Spring - distributor plunger		2
177	BM 63642	Valve - upper and lower		2
178	BM 63643	Spring - oil pump valve		2
179	BM 63644	Seat - oil pump valve		1
180	BM 70510	Gasket - oil pump valve seat		1
181	BM 63649	Cover - oil pump body		1
182	BM 63650	Gasket - oil pump body cover		1
183	BM 18195	Bolt	1/4"-28x1/2"	2
185	BM 11829	Inlet union elbow - center	1/8"x 1/2"-20	1
...	GO 12214	Union elbow - upper and lower	1/8"x7/16"-20	1

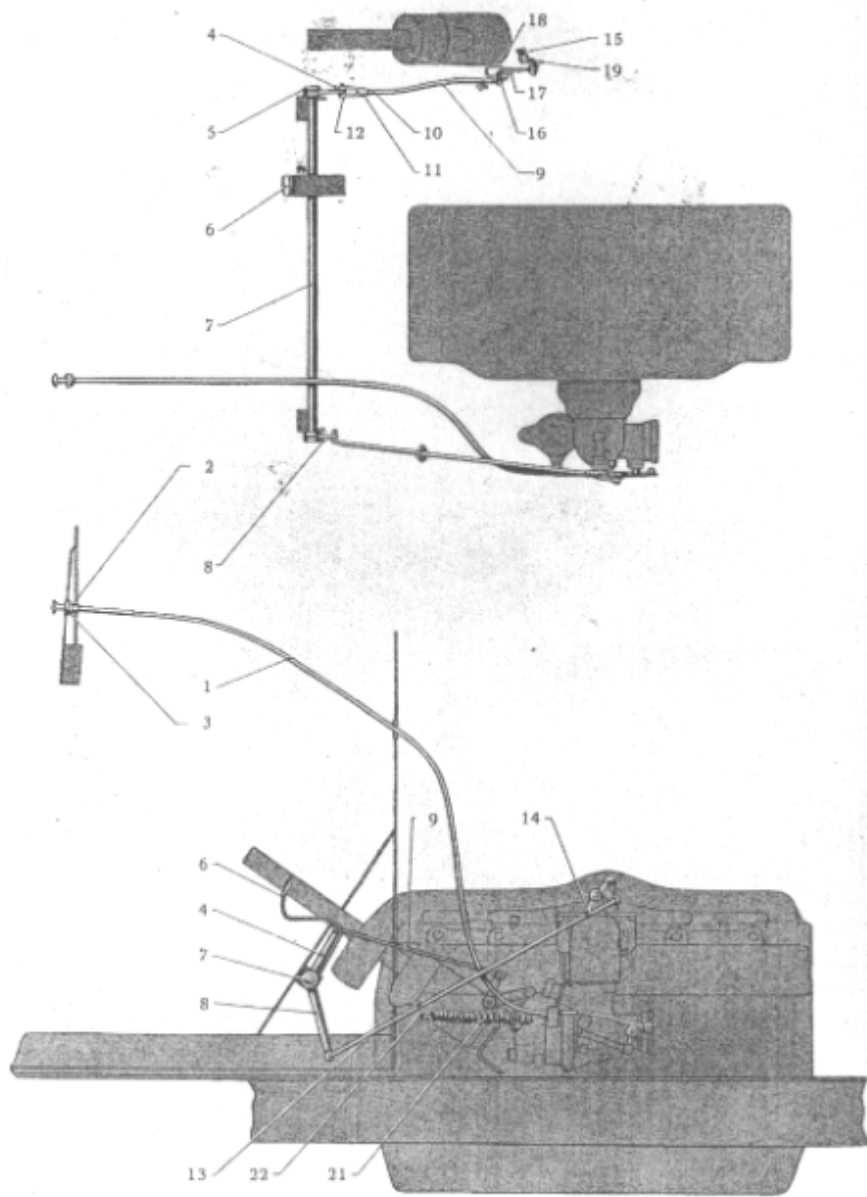
OIL PIPES AND FITTINGS

186	BM 60559	PIPE ASSEMBLY - filter to crankcase		1
...	BM 64270	PIPE ASSEMBLY - crankcase to pump		1
...	BM 64246	Union - crankcase to pump pipe		1
...	BM 11829	Elbow		1
187	BM 63354	PIPE ASSEMBLY - pump to front plate		1
...	BM 63356	PIPE ASSEMBLY - pump to union		1
...	BM 63352	PIPE ASSEMBLY - union to gauge		1
188	BM 5655	Clamp - filter to crankcase pipe		1
189	BM 13077	Union - filter to crankcase pipe	1/20"-20x5/8"-18	1
...	BM 11828	Nut - oil pipe 5/16" flared tube		2
...	BM 11842	Nut - oil pipe flared tube		2
...	BO 12112	Union - pump to union pipe	1/4' flared tube	1
...	BM 17976	Union - oil pump inlet	1/8" x 20	1
...	BM 12214	Elbow - pump to union pipe	1/8" pipe x 7/16"-20	1
...	BM 11829	Elbow - crankcase to pump to front plate	1/8" pipe x 1/2"-20	2
...	GO 13733	Clip - pump to gauge pipe		1
...	BM 63358	Oil pump to union tube covering		1

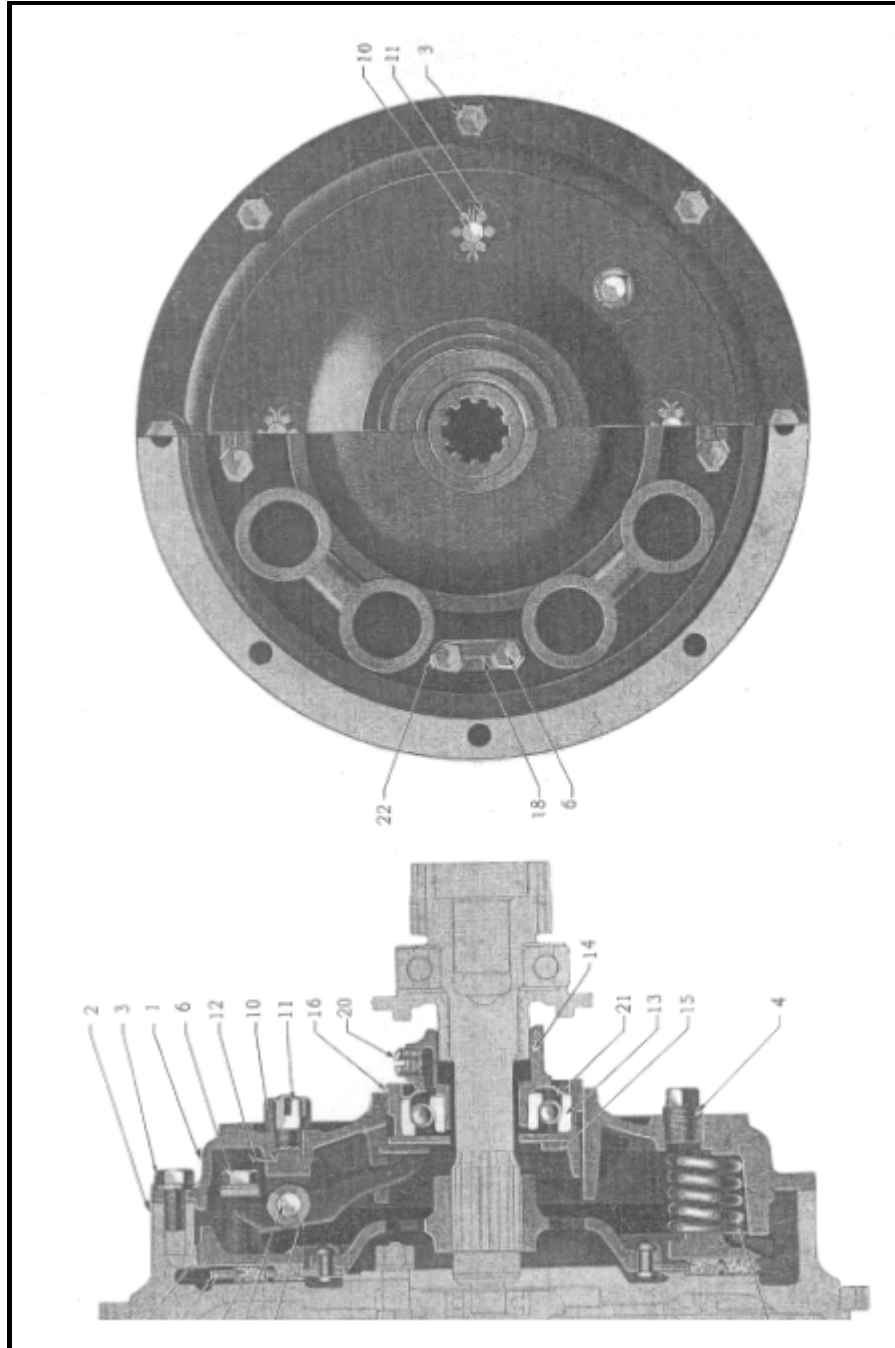
MUFFLER AND EXHAUST PIPE

...	A 63741	MUFFLER ASSEMBLY		1
...	CM 63743	Exhaust pipe		1
...	BM 16499	Clamp - exhaust pipe		2
...	BM 219	Bolt - exhaust pipe clamp	5/16"-18x3/4"	2
...	BZ 12275	Bolt - exhaust pipe clam	5/16"-18x1"	2
...	BZ 122	Nut - exhaust pipe clamp bolt	5/16"-18x5/16" hex	6
...	CZ 61373	Tail pipe		1
...	BZ 60729	Clamp - tail pipe		1
...	BZ 12275	Bolt - tail pipe clamp	5/16"-18x1"	2
...	BZ 122	Nut - tail pipe clamp bolt	5/16"-18x5/16" hex	2

When ordering give letter prefix with symbol number - Example: BX 61531.



Motor Control



Clutch Assembly

CARBURETOR

Illus. No.	Part No.	Description	Specifications	Per Car
The carburetor and riser assembly and all its parts will be serviced direct by the Marvel Carburetor Co., Flint, Michigan.				
...	BM 63550	Carburetor to manifold gasket		1
VACUUM TANK CONNECTIONS AND GASOLINE PIPES				
...	BZ 18318	Bolt - vacuum tank to dash	1/4"-20x3/4"	4
...	BM 272	Nut - vacuum tank bolt	1/4"-20x3/4"	4
...	GO 12214	Union elbow	1/8" pipe x 7/16"-20	1
...	BZ 62949	PIPE ASSEMBLY - gas tank to vacuum tank		1
...	BZ 63359	PIPE ASSEMBLY - vacuum tank to carburetor		1
...	BZ 63363	PIPE ASSEMBLY - vacuum tank suction		1
...	GO 13733	Clip Single		5
...	GO 14054	Clip Double		2
...	BZ 63351	Clip - oil tube and gas line		3
...	BZ 63664	Clip - gas line and choke wire		1
...	BO 12126	Screw - clip to frame	No. 10-32x5/8"	3
...	BZ 12799	Nut - clip to frame screw	No. 10-32x1/8"	3
...	BM 11842	Union nut 1/4" flared tube		2
...	BM 11828	Union nut - suction tube	5/16" flared tube	2

MOTOR CONTROL

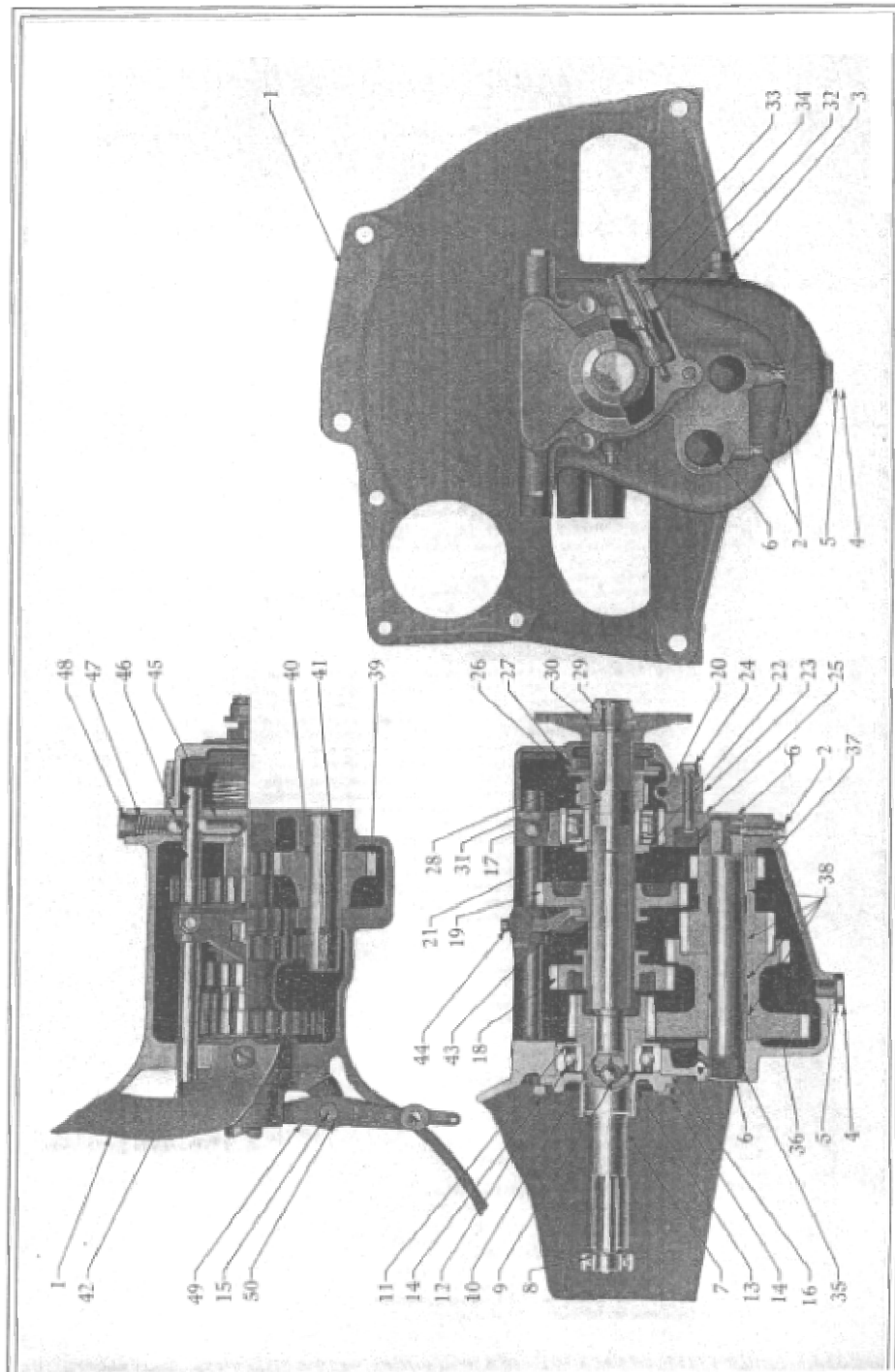
(Illustration page 23)

1	BZ 81823	CHOKE WIRE AND TUBE ASSEMBLY		1
...	BZ 82690	Choke button and wire assembly		1
2	BO 70121	Shakeproof lockwasher		1
3	BZ 70122	Choke tube clamp nut		1
4	BZ 62808	Accelerator pedal shaft lever - steering gear end		1
5	BZ 7911	Accelerator pedal shaft lever taper pin		1
6	BZ 61517	Accelerator pedal		1
...	BZ 7911	Accelerator pedal taper pin		1
7	BZ 62807	Accelerator pedal shaft		1
8	BZ 60574	Accelerator pedal shaft lever - carburetor end		1
9	BZ 62802	Accelerator pedal shaft to steering gear rod		1
10	BZ 12799	Accelerator pedal shaft to steering gear rod nut		1
11	BO 5771	Accelerator pedal shaft to steering gear rod yoke		1
12	BZ 5825	Accelerator pedal shaft to steering gear rod clevis pin		1
13	BZ 63369	Accelerator pedal shaft to carburetor rod		1
14	BZ 18053	Accelerator pedal shaft to carburetor rod lock nut		1
...	BO 5771	Accelerator pedal shaft to carburetor rod yoke		1
...	BZ 5825	Accelerator pedal shaft to carburetor rod yoke clevis pin		1
15	BZ 62806	Throttle control rod trunnion - on steering gear		1
16	BZ 5527	Throttle control rod collar		1
17	BZ 62803	Throttle control rod bell crank		1
18	BZ 62804	Throttle control rod bell crank pivot		1
19	BZ 62805	Throttle control rod bell crank to steering gear lever link		1
...	BZ 63030	Throttle control lever - on steering gear throttle tube		1
21	BZ 60711	Throttle control retracting spring - carburetor to clip		1
22	BZ 63371	Throttle control retracting spring clip		1

CLUTCH

...	BR 63600	CLUTCH ASSEMBLY		1
1	BR 62276	Clutch cover		1
2	BR 62290	Gasket - clutch cover		1
3	BZ 908	Bolt - cover to flywheel	5/16"-18x7/8"	8
4	BR 70133	Filler plug	3/8"extension	1
5	BR 62277	Pressure plate		1
6	BM 219	Bolt - toggle arm	5/16"-18x3/4"	8
7	BR 62463	DRIVING PLATE ASSEMBLY		1
8	BR 598	Cork - driving plate		72
9	BR 62280	Shifting finger		4
10	BR 62281	Toggle bracket		4
11	BM 18404	Nut - toggle bracket	7/16"-20x17/32" castle	4
12	BR 62282	Gasket - toggle bracket	Copper	4
13	BR 18224	Throwout bearing		1
14	BR 63599	Retainer - throwout bearing		1
15	BR 62285	Throwout cross		1
16	BR 63598	Shifting sleeve		1
17	BR 62288	Pin - toggle arm		4
18	BR 62289	Lock plate - toggle arm		4
19	BR 62510	Spring - main		8
20	BZ 9773	Pipe plug	1/8" headless	1
21	BR 63601	Washer - throwout bearing retainer		1
22	BR 29523	Toggle arm screw lock plate		4

When ordering give letter prefix with symbol number - Example: BX 61531.



Transmission Assembly

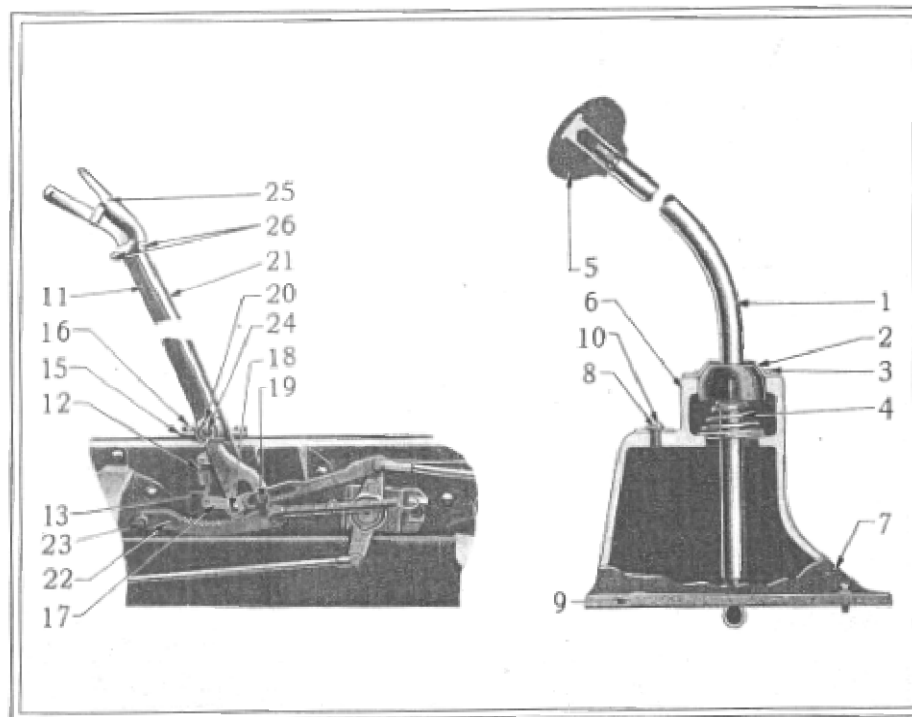
TRANSMISSION

Illus. No.	Part No.	Description	Specifications	Per Car
...	CT 62307	TRANSMISSION ASSEMBLY	5-6/10 to 1	1
...	CT 63763	TRANSMISSION ASSEMBLY	5-1/11 to 1	1
1	CT 62311	Case		1
*2	BT 60360	Lock screw - bearings and countershaft		3
3	BZ 2346	Oil level plug		1
4	BT 62344	Oil drain plug		1
5	BM 12117	Gasket - oil drain plug	1/4"-13x2-1/4"	1
...	BM 113	Bolt	1/4"-13x2-1/4"	2
...	BM 4946	Bolt	1/2"-13x2-1/2"	2
...	BM 108	Nut	1/2"-13x1/2"	2
6	BM 14112	Welch plug		3
7	BT 62343	MAINSHAFT DRIVE GEAR ASSEMBLY		1
8	BT 18370	Pilot ball bearing - front		1
9	BM 70285	Steel ball - drive gear		1
10	BT 61656	Bushing - main drive gear		1
11	BT 62680	Oil seal - drive gear bearing		1
12	BT 70085	Bearing - main drive gear	N. D. - 1207	1
13	BT 62296	BEARING CAP - front		1
14	BZ 12275	Bolt	5/16"-18x1"	3
15	BY 3205	Clevis pin	7/16"x2-3/8"	1
16	BT 60346	Gasket - bearing cap		1
17	BT 60326	Mainshaft		1
18	BT 60331	Second and high-speed gear		1
19	BT 60332	Low and reverse gear		1
20	BT 18226	Bearing - rear Hyatt N. C. 306		1
21	BT 60366	Inner sleeve - rear bearing		1
22	BT 62165	Retainer - bearing		1
23	BT 60337	Bearing cap - rear		1
24	GM 1374	Bolt - rear cap		3
25	BT 60347	Gasket - rear cap		1
26	BT 61483	Steel washer		1
27	BT 61484	Bronze washer		1
...	BT 10965	Dowel pin		1
28	BT 60352	Shim		2
28	BT 60353	Shim		2
29	BM 12172	Nut - mainshaft	5/8"-18x9/16"	1
30	BM 9553	Washer - mainshaft nut		1
31	BT 64427	SPEEDOMETER DRIVE GEAR	5-1/11 to 1	†1
32	BT 64428	Speedometer pinion	5-1/11 to 1	†1
...	BT 64425	SPEEDOMETER DRIVE GEAR	5-6/10 to 1	†1
...	BT 64426	Speedometer pinion	5-6/10 to 1	†1
33	BT 23871	Sleeve		1
34	BT 22753	Shim		3
35	BT 60327	Countershaft		1
36	BT 61057	DRIVE AND INTERMEDIATE GEAR ASSEMBLY	32 and 24 teeth	1
37	BT 61060	LOW AND REVERSE GEAR ASSEMBLY	18 and 14 teeth	1
38	BT 62684	Bushing		4
39	BT 61059	REVERSE IDLER GEAR ASSEMBLY	20 teeth	1
40	BT 63180	Bushing		1
41	BT 60328	Shaft - reverse idler gear		1
42	BT 60358	Shifting shaft - second and high		1
42	BT 60359	Shifting shaft - low and reverse		1
43	BT 60354	Shifting fork		2
44	BT 60355	Screw - shifting fork	5/16"-24x1-3/16" special	2
45	BT 60363	Shaft lock		2
46	GM 6846	Steel ball	7/16"	2
47	BT 60361	Spring - shifter lock plunger		2
48	BT 60362	Cap - plunger spring		2
49	BR 64494	Clutch yoke assembly		†1
50	BR 60357	Bushing - clutch yoke		1

CONTROL LEVERS

...	BS 62690	CONTROL LEVER AND HOUSING ASSEMBLY		1
1	BS 60950	GEAR SHIFT LEVER ASSEMBLY		1
2	BS 60399	Cover - lever		1
3	GO 18219	Screw - cover	1/4"-20x1/2" round head	4
4	BS 60364	Spring - lever	Cone shaped	1
5	BS 29170	Ball - lever		1
...	BS 60406	Screw - lever pivot		1
6	BS 62689	GEAR SHIFT LEVER HOUSING		1
7	BZ 908	Bolt	5/16"-18x7/8"	4
8	BS 60403	Cover - housing oil hole		1
9	BS 60425	Gasket - housing to transmission case		1
10	GO 18219	Screw - oil hole cover	1/4"-20x1/2" round head	2

When ordering give letter prefix with symbol number - Example: BX 61531.

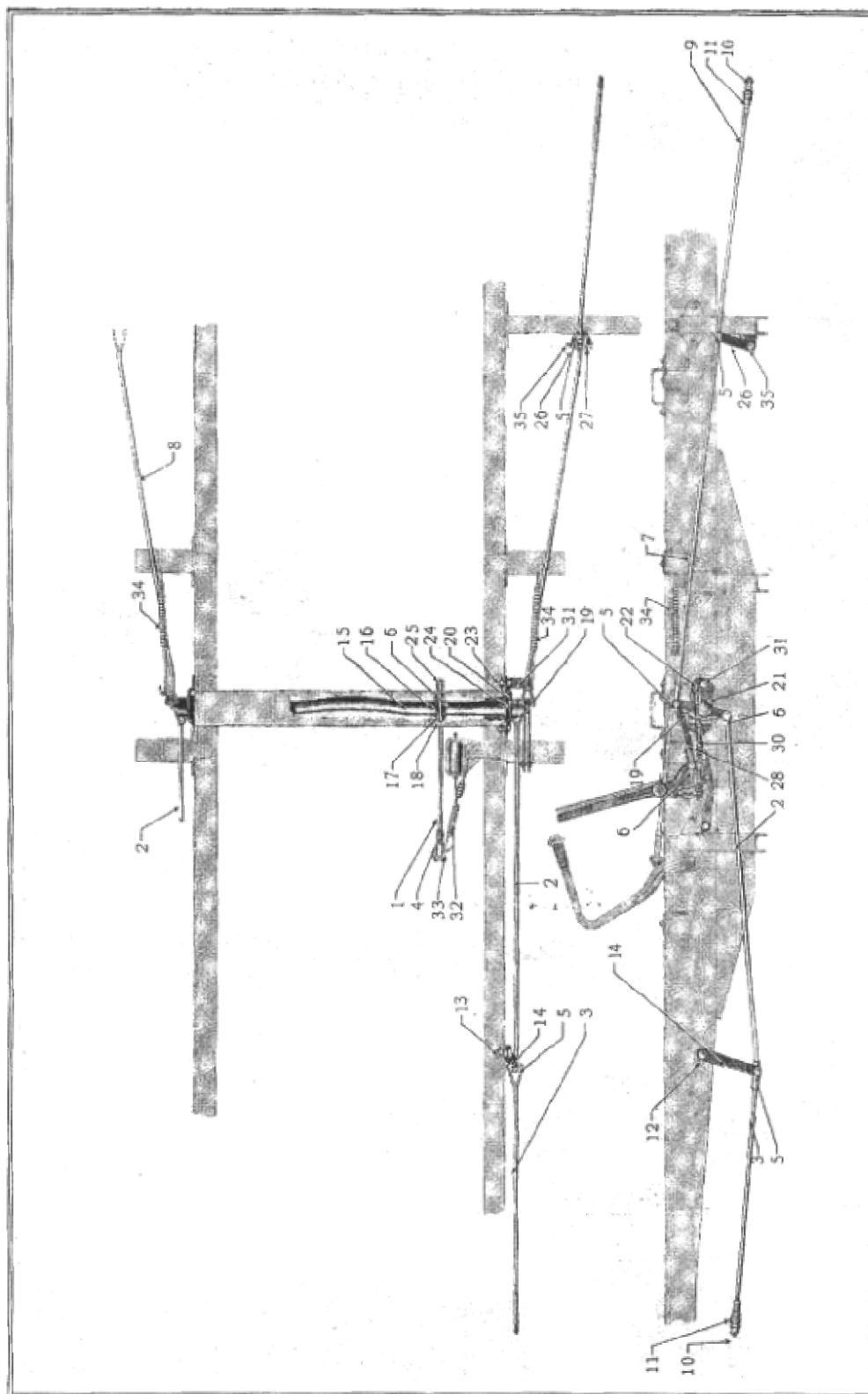


Hand Control Levers

HAND BRAKE

Illus. No.	Part No.	Description	Specifications	Per Car
11	BS 63596	Hand brake lever		1
12	BS 62329	Extension spring		1
13	BS 62330	Hook - extension spring		1
...	BS 62331	Bushing - lever		1
15	BS 62332	Bracket - lever		1
16	BR 1308	Bolt - bracket		2
...	BM 110	Nut - bracket bolt		2
17	BS 62327	Latch - inside		1
17	BS 62328	Latch - outside		1
18	BZ 8683	Clevis pin	5/16"x1-1/32"	1
19	BM 12440	Clevis pin	1/4"x59/64"	1
20	BZ 6440	Washer - pivot		1
21	BS 62323	Rod - latch		1
22	BS 62872	Ratchet		2
23	BS 6705	Bolt - ratchet		2
...	BM 110	Nut - ratchet bolt		2
...	BS 62325	Spacer - ratchet		2
...	BS 62326	Spacer - ratchet to frame		2
24	BS 62333	Shaft - brake lever pivot		1
...	BS 411	Washer	41/64"x1"x3/32" special	1
...	BS 753	Taper pin	No. 2x1-3/8"	1
...	BS 62334	Spring - pivot		1
25	BS 22861	Grip - lever latch		1
26	BS 12123	Screw - grip		2
...	BS 7435	Nut - grip screw		2

When ordering give letter prefix with symbol number - Example: BX 61531.



Brake Control Rods and Levers

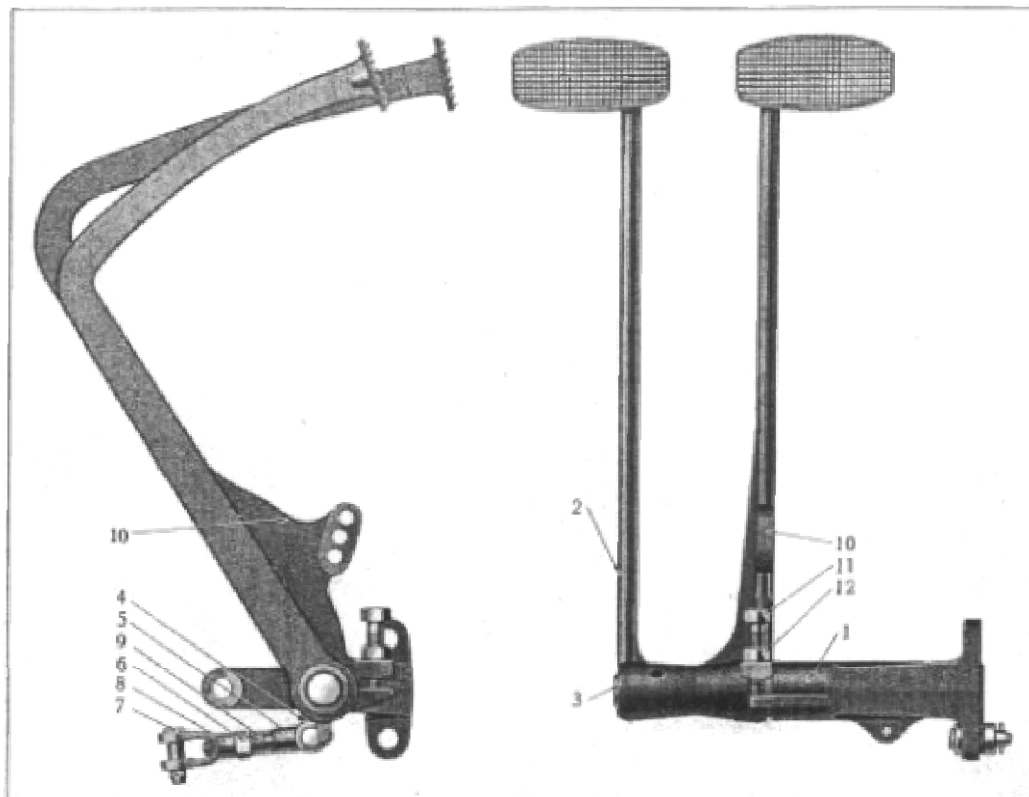
BRAKE CONTROL RODS AND LEVERS

Illus. No.	Part No.	Description	Specifications	Per Car
1	BZ 62763	Rod - pedal to cross shaft		1
2	BZ 62770	Rod - cross shaft to front idler	Cars 928658 to 968354	2
...	BZ 63858	Rod - cross shaft to front idler	Cars 968354 and upward	2
3	BZ 62772	Rod - front idler to front control lever	Cars 928658 to 968354	2
...	BZ 63854	Rod - front idler to front control lever	Cars 968354 and upward	2
...	BZ 5777	Yoke - pedal to cross shaft rod and front idler to front control lever rod		1
...	BR 611	Nut - pedal to cross shaft rod and front idler to front control lever rod		1
...	BZ 8683	Clevis pin - pedal to cross shaft ro		1
5	BZ 70301	Clevis pin - front idler to front control lever rod	5/16"x1-7/16"	2
6	BZ 8683	Clevis pin - cross shaft to front idler lever rod	5/16"x1-1/32"	2
7	BZ 62766	Rod - cross shaft to rear idler - L. H.		1
8	BZ 62767	Rod - cross shaft to rear idler - R. H.		1
9	BZ 62769	Rod - rear idler to rear control lever	Cars 928658 to 968354	2
...	BZ 63857	Rod - rear idler to rear control lever	Cars 968354 and upward	2
...	BZ 5777	Yoke - rear idler to rear control lever rod		2
...	BR 611	Lock nut - rear idler to rear control lever rod		2
10	BZ 29244	Nut and ball - front and rear rod	Discontinued at car 968354	4
11	BZ 29243	Spring - front and rear rod	Car 968354 to 968354	4
...	BZ 31855	Spring - front and rear rod	Cars 968354 and upward	4
12	BZ 29265	Front idler lever pivot		2
13	BZ 124	Front idler lever pivot nut		2
...	BZ 70119	Front idler lever pivot washer		4
14	BZ 62771	Front idler lever		2
15	HZ 62758	Brake cross shaft		1
...	BZ 2360	Key - Woodruff	Size "A"	3
16	BZ 62759	Cross shaft center lever		1
17	BZ 275	Bolt	3/8"-16x1-7/8"	1
18	BM 110	Nut	3/8"-16x7/8"	1
19	BZ 62760	Cross shaft end lever		2
20	BZ 7114	Taper pin	No. 4-1-3/4"	2
21	BZ 62761	Cross shaft bracket		2
22	BZ 908	Bolt	5/16"-18x7/8"	4
23	BZ 122	Nut	5/16"-18x5/16"	4
24	BZ 62762	Cross shaft felt		2
25	BZ 62765	Foot brake play link		1
...	BZ 8683	Clevis pin	5/16"x1-1/32"	1
26	BZ 62768	Rear brake idler lever - outer		2
...	BZ 63859	Rear brake idler lever - inner		2
27	BZ 13506	Rear brake idler lever spring		2
28	BZ 62773	Link - hand brake lever to cross shaft		1
...	BZ 8683	Clevis pin	5/16"x1-1/32"	2
30	BZ 62774	Hand brake lever return spring		1
31	BZ 62775	Hand brake lever return spring clip		1
32	BZ 62778	Brake pedal and stop light switch spring		1
33	BX 30868	Brake control spring clip		2
34	BZ 29275	Brake release spring		1
35	BY 32051	Clevis pin - rear idler lever - lower		2

PEDAL CONTROL

...	BZ 63277	PEDAL CONTROL ASSEMBLY		1
1	BZ 61428	BRACKET ASSEMBLY		1
...	BR 1308	Bolt	3/8"x"-16x1-1/8"	2
...	GZ 7115	Bolt	3/8"-16x1-3/4"	1
...	BZ 60380	Bushing - pedal bracket		2
2	BZ 64191	CLUTCH PEDAL		1
3	BZ 60390	Shaft - clutch pedal		1
4	BR 62509	Lever - clutch pedal		1
5	BZ 62299	Clutch link		1
6	BR 611	Nut - link	5/16"-24x17/64"	1
7	BZ 8683	Clevis pin	5/16"x1-1/32"	1
8	BY 60389	Adjustable link		1
...	BZ 8683	Clevis pin	5/16"x1-1/32"	1
9	BS 61475	Clutch pedal return spring		1
10	BZ 64190	BRAKE PEDAL		1
...	BZ 61708	Bushing - brake pedal hub		1
11	GM 1483	Bolt - hub	5/16"-18x1-3/8"	1
12	BZ 122	Nut - hub bolt		1

When ordering give letter prefix with symbol number - Example: BX 61531.

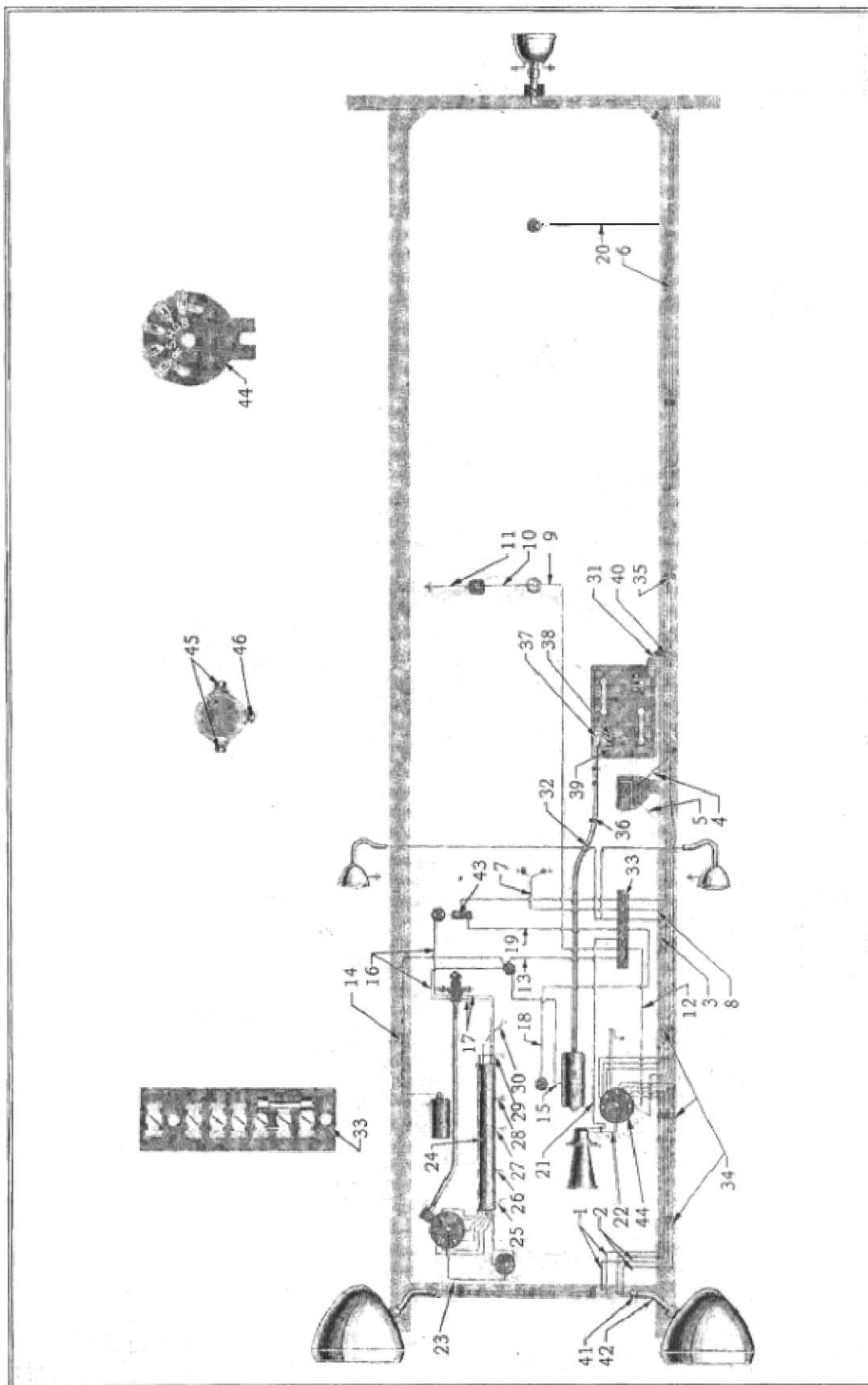


Pedal Control

WIRING

Illus. No.	Part No.	Description	Specifications	Per Car
1	BO 63005	Headlamp wire assembly - headlamp to main switch - R. H.		2
2	BO 63006	Headlamp wire assembly - headlamp to main switch - L. H.		2
3	BO 63818	Side lamp wire assembly - junction post to main switch		1
4	BO 63019	Stoplight wire assembly - stoplight to stoplight switch		1
5	BO 63015	Stoplight wire assembly - stoplight switch to main switch		1
6	BO 62431	Tail lamp wire assembly - tail lamp to main switch		1
7	BO 81816	Instrument lamp wire assembly - instrument lamp to junction post		1
8	BO 63822	Instrument lamp wire assembly - junction post to main switch		1
9	BO 82080	Dome lamp wire assembly - dome lamp to junction block	Sedan and coach Coupe	1
9	BO 82081	Dome lamp wire assembly - dome lamp to junction block		1
10	BO 79359	Dome lamp wire assembly - dome lamp to dome lamp switch		1
11	BO 80037	Dome lamp wire assembly - dome lamp switch to ground		1
12	BO 63820	Feed wire assembly - main switch to junction block		1
13	BO 31424	Feed wire assembly - ammeter to junction block		1

When ordering give letter prefix with symbol number - Example: BX 61531.



Wiring Diagram

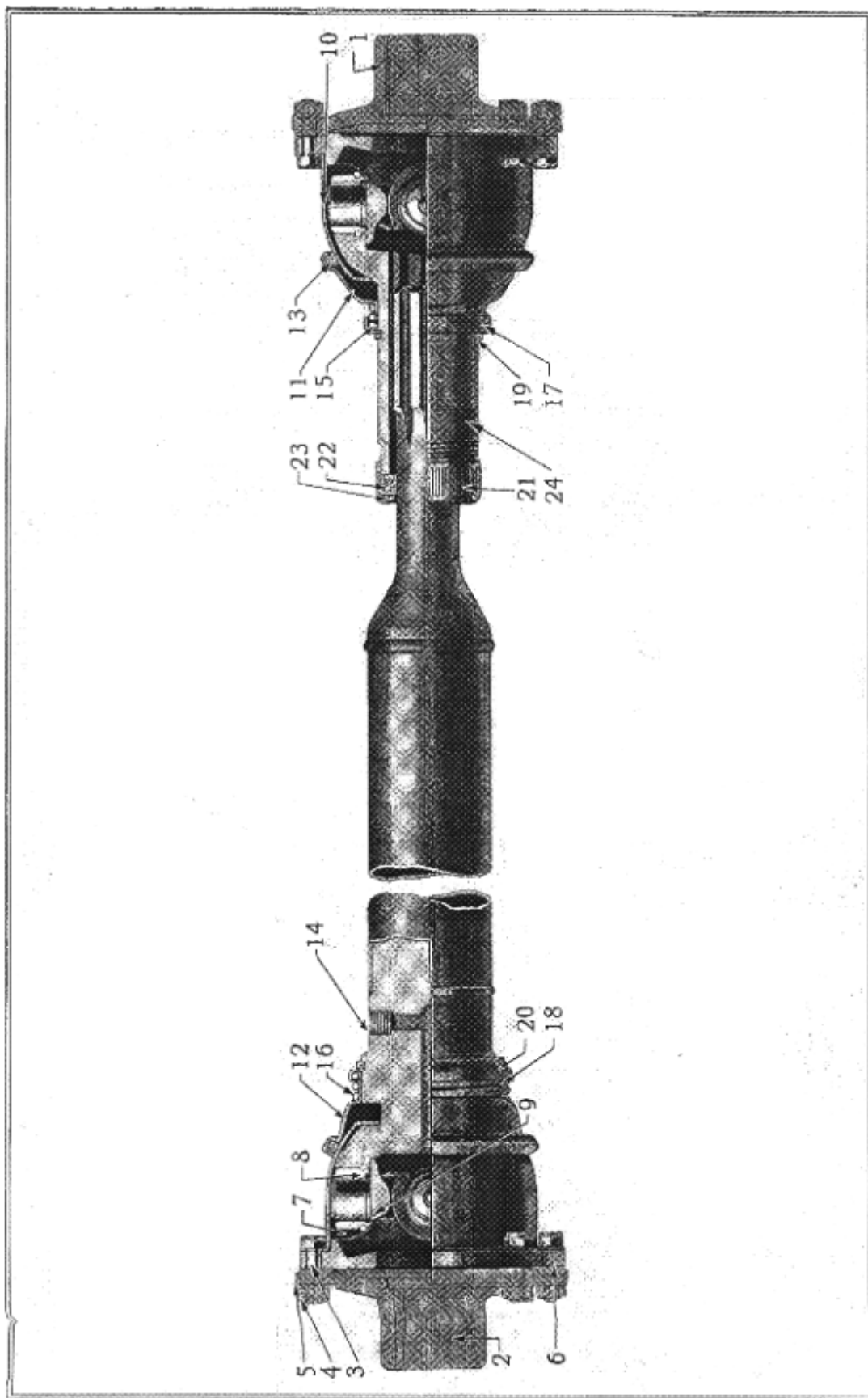
WIRING - Continued

Illus. No.	Part No.	Description	Specifications	Per Car
14	BO 62508	Feed wire assembly - generator to ammeter		1
15	BO 63804	Feed wire assembly - starter post to ammeter		1
16	BO 31406	Ignition wire assembly - ammeter to electrolock		1
17	BO 63806	Ignition wire assembly - electrolock to coil		2
...	BO 64210	Coil to electrolock and electrolock to gauge wire assembly		1
18	BO 63814	Gasoline and oil gauge wire assembly - oil pan unit to junction block		1
19	BO 31414	Gasoline and oil gauge wire assembly - junction block to gauge switch		2
20	BO 63828	Gasoline and oil gauge wire assembly - gasoline tank unit to junction block		1
21	BO 63824	Horn wire assembly - horn to junction block		1
22	BO 63275	Horn wire assembly - horn to horn button		1
23	BM 63295	Coil wire assembly - coil to distributor - high tension		1
...	BM 63294	Spark plug cable tube and cables		1
24	BM 60113	Cable tube		1
...	BM 60112	Cable tube clip		2
25	BM 63288	Cable No. 1		1
26	BM 63289	Cable No. 2		1
27	BM 63290	Cable No. 3		1
28	BM 63291	Cable No. 4		1
29	BM 63292	Cable No. 5		1
30	BM 63293	Cable No. 6		1
31	BZ 60648	Battery ground connection		1
32	BZ 62492	Battery cable and conduit assembly - battery to starter		1
33	BZ 30307	Junction post		1
...	BO 12126	Screw - junction post to cowl		2
...	BZ 12799	Nut - junction post to cowl screw		2
...	BO 80582	Instrument lamp and socket complete - R. H. D.		1
34	GO 13733	Clip - large - headlamp wires to frame		10
35	GO 62013	Clip - cable		10
...	BO 12126	Screw - dip to frame		20
...	BZ 12799	Nut - clip to frame screw		20
...	GO 31452	Clip - wiring to dash		2
...	BO 18459	Screw - wiring to dash clip		2
36	GO 60664	Clip - battery positive cable to transmission		2
...	BZ 62950	Clip - battery cable		1
...	BZ 81728	Clip - starter cable to dash		1
...	BO 18165	Terminal - headlamp, side lamp, stoplight wires		16
...	BO 18166	Terminal - stoplight wire - starter post to ammeter wire		19
...	BO 18168	Terminal - starter post to ammeter wire		1
...	BM 18364	Terminal - spark plug cable--spark plug end		6
...	BM 70228	Terminal - spark plug cable - distributor end		6
...	GO 18146	Terminal - battery cable - starter end		1
37	BZ 21432	Terminal - battery cable - battery end		1
38	BZ 12843	Screw - terminal to battery post - positive and negative		2
39	BZ 12844	Nut - terminal to battery post - positive and negative		2
40	BM 219	Screw - negative terminal to frame		1
...	BZ 128	Nut - negative terminal to frame screw		1
41	BO 70349	Nut - headlamp conduit to radiator		2
42	BZ 62871	Headlamp conduit assembly		2
...	GZ 61666	Rubber holder - spark plug cables		1
43	BZ 81817	Oil gauge switch assembly		1
44	BZ 30308	Lighting switch		1
45	BZ 70552	Screw - electrolock coil wire		2
46	BZ 70553	Screw - electrolock gas and oil gauge wire		1

UNIVERSAL JOINTS AND PROPELLER SHAFT

...	CZ 63340	PROPELLER SHAFT AND UNIVERSAL JOINTS ASSEMBLY		1
...	BZ 63342	FRONT UNIVERSAL JOINT ASSEMBLY		1
...	CZ 63341	PROPELLER SHAFT AND REAR END JOINT ASSEMBLY		1
1	BZ 60668	Companion flange - front		1
2	BZ 60667	Companion flange - rear		1
3	BZ 70032	Bolt - companion flange	1/4"-28x29/30" special	12
4	BZ 70031	Nut - companion flange bolt	1/4"-28x7/32" special	12
5	BZ 54575	Lock - nut		12
6	BZ 64205	Flange yoke		1

When ordering give letter prefix with symbol number - Example: BX 61531.



Universal Joints and Propeller Shaft

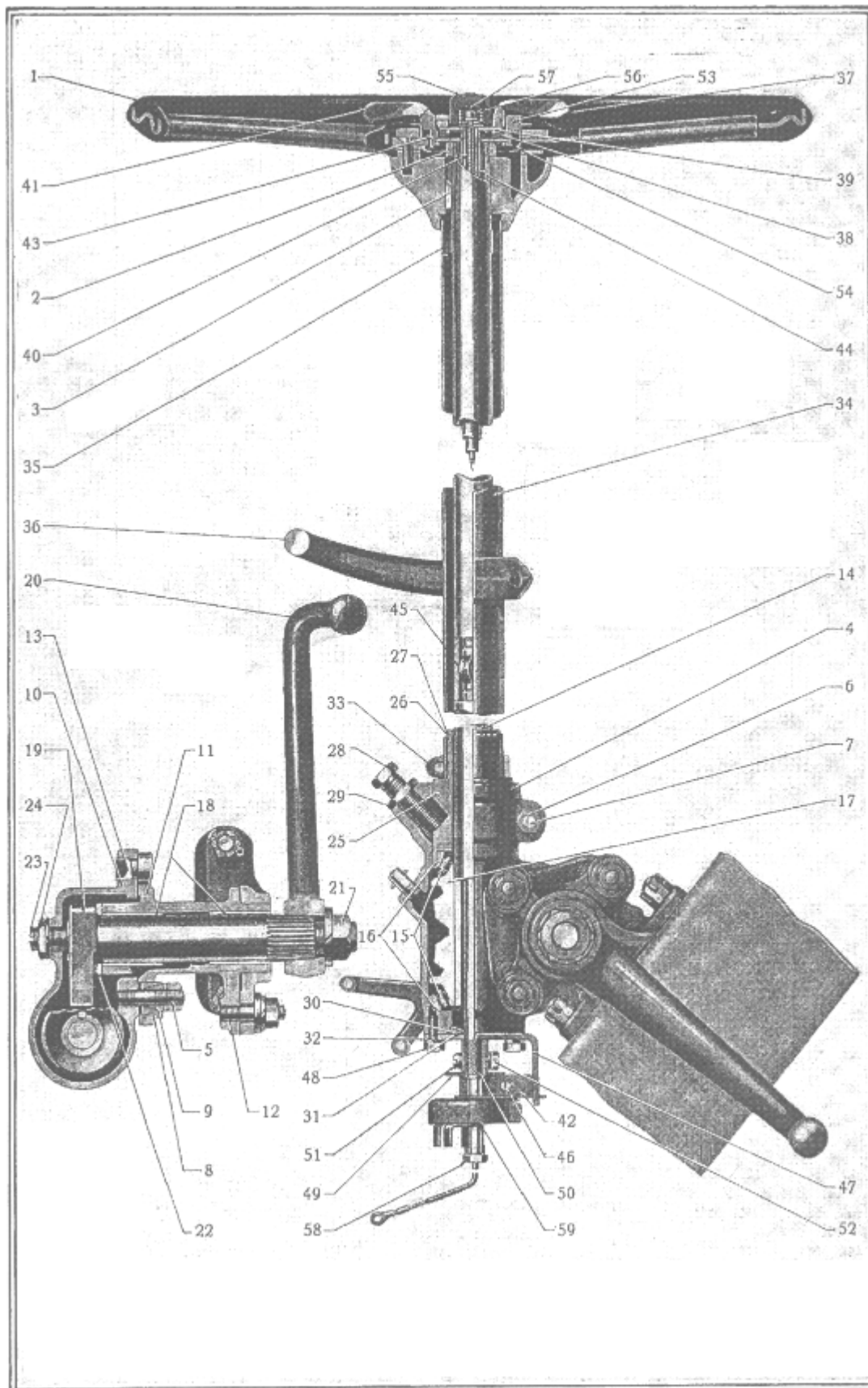
UNIVERSAL JOINTS AND PROPELLER SHAFT - Continued

Illus. No.	Part No.	Description	Specifications	Per Car
7	BZ 60725	Bushing		8
8	BZ 51264	Ring - bushing	Spicer No. 2-½-7-19	8
9	BZ 60719	Cross - bushing	Spicer No. 2-5-24	1
10	BZ 64204	Casing - inside		2
11	BZ 64201	Casing - outside front		1
12	BZ 64200	Casing - outside rear		1
13	BZ 64202	Packing - outside casing		2
14	BZ 9733	Plug - lubrication		2
...	BZ 64209	Casing gasket		2
15	BZ 51269	Spring - outside casing front	Spicer No. 2-1/2-12-19	1
16	BZ 64203	Spring - outside casing rear		1
17	BZ 60724	Retainer - casing spring front	Spicer No. 2-76-19	1
18	BZ 64207	Retainer - casing spring rear		1
19	BZ 60723	Lock ring - spring retainer front	Spicer No. 2 2-1/2-77-19	1
20	BZ 64208	Lock ring - spring retainer rear		1
21	BZ 51271	Dust cap - front end	Spicer No. 2-14-19	1
22	BZ 51272	Felt washer - front end	Spicer No. 2-16-13	1
23	BZ 51275	Retainer disc - felt washer	Spicer No. 2-15-13	1
24	BZ 63345	Sleeve yoke		1
...	BZ 62052	Safety bracket		1
...	BT 395	Bolt - safety bracket	5/16"-18x5/8"	2
...	BZ 122	Nut - safety bracket bolt	5/16"-18x5/16" 2	

STEERING GEAR

...	CZ 63625	STEERING GEAR COMPLETE		1
1	CZ 63634	STEERING WHEEL ASSEMBLY		1
2	BZ 70540	Nut - steering wheel		1
3	BZ 70541	Key - steering wheel	No. 9 Woodruff special	1
...	CZ 63375	CASE AND GEARS COMPLETE		1
4	BZ 63382	Case		1
5	BZ 63384	Case adjusting stud		1
6	BZ 62	Nut - case adjusting stud	3/8"-24x21/ 64"	1
7	BZ 70384	Screw	3/8"-24x2-5/64"	1
8	BZ 63042	Case eccentric adjusting sleeve		1
9	BZ 63043	Case eccentric adjusting sleeve lock ring		1
10	BZ 63385	Gasket - case cover		1
11	BZ 63165	Case cover and frame bracket assembly		1
12	BZ 63051	Stud - case cover		3
...	BZ 63060	Stud - case cover		3
...	BZ 62	Nut - case cover stud		6
13	BZ 63044	Rivet - eccentric		1
14	CZ 63398	Column		1
15	BZ 63896	Roller bearing cage and rollers assembly - column		2
16	BZ 63402	Roller bearing cage cup - column		2
17	BZ 63899	Worm and bearing assembly		1
...	BZ 70541	Key - worm		1
18	BZ 63048	Bushing - worm shaft		2
19	BZ 63386	Worm wheel		1
20	BZ 63390	Steering arm	34'-16x7/16"	1
21	BZ 70386	Nut - steering arm to worm wheel		1
22	BZ 63049	Thrust washer - worm wheel	Fibre	1
23	BZ 29784	Adjusting screw - worm wheel		1
24	BZ 70278	Nut - adjusting screw - worm wheel		1
25	BZ 64431	Adjusting nut assembly - worm		†1
26	BZ 63379	Dust washer-worm adjusting nut		1
27	BZ 30934	Retainer - worm adjusting nut dust washer		1
28	BZ 63380	Screw - worm adjusting		1
29	BZ 12334	Nut - worm adjusting screw		1
30	BZ 63393	Oil retainer - lower		1
31	BZ 63394	Washer - oil retainer - lower		1
32	BZ 30935	Housing cover gasket		1
33	BZ 30933	Clamp - jacket tube to worm adjusting nut		1
...	BZ 70545	Bolt - jacket tube clamp	5/16"-24x2"	1
...	BZ 70543	Nut - jacket tube clamp bolt	5/16"-24x17/64"	1
34	CZ 63378	JACKET TUBE ASSEMBLY (with bushings)		1
35	BZ 63400	Jacket tube bushing		1
36	BZ 80593	Jacket tube bracket	Town sedan, roadster, convertible coupe	1
...	BZ 80595	Jacket tube bracket	Coach, sedan, coupe, phaeton	1
...	GZ 18338	Screw - jacket tube bracket		1
37	BZ 30507	Light control lever		1
38	BZ 30508	Lock wire - light control lever		1
39	BZ 63397	Light tube and plate		1
40	BZ 63065	Silencer - light tube		1
41	BZ 63062	Throttle control lever		1

When ordering give letter prefix with symbol number - Example: BX 61531.



Steering Gear Assembly

STEERING GEAR - Continued

Illus. No.	Part No.	Description	Specifications	Per Car
42	BZ 63869	Friction band - throttle lever		1
...	BZ 63870	Friction band reinforcement		1
43	BZ 63396	Throttle tube and plate		1
44	BZ 63395	Silencer - throttle tube - upper		1
45	BZ 63068	Silencer - throttle tube - lower		1
46	BZ 70390	Screw - friction band	No. 6-32x1/2"	1
...	BZ 70391	Nut - friction band screw	No. 6-32x1/8"x3/8" sq. nut	1
47	BZ 63391	Control bracket - lower		1
48	BZ 70549	Screw - control bracket	1/4"--20x1/2" U. S	1
...	BZ 63020	Throttle lever assembly - lower		1
49	BZ 63024	Washer - throttle lever stop		1
50	BZ 63025	Spacer - throttle lever		1
...	BZ 63030	Throttle lever - lower		1
51	BZ 70388	Screw	1/4"-20x5/8	1 ...
...	BM 272	Nut	1/4"-20x7/32"	1
...	BZ 63031	Throttle lever stop		1
53	BZ 62849	Ring - throttle and light lever - outer		1
54	BZ 62860	Lock - throttle and light lever ring		1
55	BZ 30509	Horn button		1
56	BZ 30513	Spring - horn button		1
...	BZ 62088	Washer - horn button contact		1
57	BZ 63275	Horn wire assembly		1
58	BZ 30824	Nut - light tube to switch		1
59	BZ 30308	Switch - lighting - lower		1

DRAG LINK

...	CZ 62744	DRAG LINK ASSEMBLY		1
...	CZ 62746	Drag link		1
...	BZ 60532	Ball seat		4
...	BZ 60533	Plug		2
...	BZ 60534	Spring		2
...	BZ 9844	Boot - front		1
...	BZ 22166	Boot - rear		1

TIRE CARRIER

(Wood Wheels)

...	CZ 82021	TIRE CARRIER ASSEMBLY (All models except roadster and con. coupe)		1
...	CZ 82300	TIRE CARRIER ASSEMBLY Roadster, con. coupe		1
...	BZ 83289	Tire carrier bracket - center Roadster, con. coupe		1
...	BZ 82299	Tire carrier side arm Roadster, con. coupe		1
...	BM 304	Bolt	3/8"-16x1"	1
...	BM 110	Nut	3/8"-16x3/8"	1
...	BZ 82022	Arm		2
...	BR 1308	Bolt	3/8"-16x1-1/8"	6
...	BM 110	Nut	3/8"-16x3/8"	6
...	BZ 78916	Arm nut		2
...	BZ 76262	Clamp		1
...	BZ 76263	Stud		1
...	BZ 61434	Nut		1
...	BZ 80426	Center bracket		1
...	BZ 80715	Tail lamp bracket		1

WIRE WHEEL CARRIER

...	CZ 82046	WIRE WHEEL CARRIER ASSEMBLY		1
...	CZ 82683	Wire wheel carrier assembly (lacquered)		1
...	BZ 82044	Wire wheel carrier arm - R. H.		1
...	BZ 82045	Wire wheel carrier arm - L. H.		1
...	BZ 82036	Wire wheel carrier arm - center		1
...	BM 304	Wire wheel carrier to frame bolt		5
...	BM 110	Wire wheel carrier to frame bolt nut		5
...	BZ 82037	Wire wheel carrier stud - center arm to carrier		1
...	BZ 12426	Wire wheel carrier stud nut - center arm to carrier		1
...	BY 3197	Wire wheel carrier rivet - R. H. and L. H. arm to carrier		4
...	BZ 70529	Wire wheel carrier clinch on nut		1
...	BZ 31347	Wire wheel carrier bolt - wheel to carrier		3
...	BZ 82232	Tail light arm - wire wheel cars only		1
...	CZ 83029	WIRE WHEEL CARRIER ASSEMBLY	Speedster	1
...	BZ 83026	Wire wheel carrier arm - R. H.	Speedster	1
...	BZ 83027	Wire wheel carrier arm - L. H.	Speedster	1
...	BZ 83028	Wire wheel carrier arm - center	Speedster	1
...	BM 304	Wire wheel carrier to frame bolt	Speedster	5
...	BM 110	Wire wheel carrier to frame bolt nut	Speedster	5
...	BZ 82037	Wire wheel carrier stud - center arm to carrier	Speedster	1
...	BZ 12426	Wire wheel carrier stud nut	Speedster	1

When ordering give letter prefix with symbol number - Example: BX 61531.

WIRE WHEEL CARRIER - Continued

Illus. No.	Part No.	Description	Specifications	Per Car
...	BY 3197	Wire wheel carrier rivet - arm to carrier	Speedster	4
...	BZ 70529	Wire wheel carrier clinch on nut	Speedster	1
...	BZ 31347	Wire wheel carrier bolt - wheel to carrier	Speedster	3
...	BZ 82232	Tail lamp and license tag bracket	Speedster	1

FENDERS

...	A 81090	Front fender - R. H. (enamel)	All models	1
...	A 81091	Front fender - L. H. (enamel)	All models	1
...	A 81244	Rear fender - R. H. (enamel)	Coach and sedan	1
...	A 81245	Rear fender - L. H. (enamel)	Coach and sedan	1
...	A 78725	Rear fender - R. H. (enamel)	Coupe and roadster	1
...	A 78726	Rear fender - L. H. (enamel)	Coupe and roadster	1
...	A 81246	Rear fender-R. H. (enamel)	Phaeton and town sedan	1
...	A 81247	Rear fender - L. H. (enamel)	Phaeton and town sedan	1
...	A 82654	Front fender - R. H. (lacquer)	Town sedan and roadster	1
...	A 82655	Front fender - L. H. (lacquer)	Town sedan and roadster	1
...	A 82656	Rear fender - R. H. (lacquer)	Town sedan	1
...	A 82657	Rear fender - L. H. (lacquer)	Town sedan	1
...	A 82658	Rear fender - R. H. (lacquer)	Roadster	1
...	A 82659	Rear fender - L. H. (lacquer)	Roadster	1
...	GZ 12275	Bolt	5/16"-18x1"	12
...	BZ 122	Nut	5/16"-18x5/16"	14
...	BO 12120	Nut	1/4"-20x 1/4" sq.	2
...	BZ 70139	Screw	1/4"-20x3/4"	2
...	BO 18447	Screw	No. 10-32x5/8"	20
...	BZ 12799	Nut	No. 10-32x1/8"	20
...	BO 70452	Washer	1/4" countersunk brass	2
...	GZ 10214	Bolt	1/2"-13x1-1/4"	2

RUNNING BOARDS

...	CZ 82059	RUNNING BOARD COMPLETE - R. H.		1
...	CZ 82060	RUNNING BOARD COMPLETE - L. H.		1
...	CZ 78638	Moulding		2
...	BZ 18107	Rivet	9/64"x 3/8" split	20
...	CZ 81253	Covering Rubber		2

RUNNING BOARD SPLASH GUARD

...	A 81074	Running board splash guard - L. H.		1
...	A 82685	Running board splash guard - R. H. (lacquered)		1
...	A 82686	Running board splash guard - L. H. (lacquered)		1
...	BO 18447	Screw	No. 10-32x 5/8"	20
...	BZ 12799	Nut	No. 10-32x1/8"	20

MOTOR, RADIATOR AND REAR SPLASH GUARDS

...	A 62569	Motor splash guard - front		1
...	A 64326	Motor splash guard assembly - R. H.		1
...	A 64327	Motor splash guard assembly - L. H.		1
...	BO 12126	Bolt	No. 10-32x 5/8"	6
...	BZ 12799	Nut	No. 10-32x1/8"	8
...	BM 12498	Screw	1/4"-20x7/16"	5
...	BZ 18069	Screw	No. 10-32x3/4"	2
...	BZ 61513	Flywheel splash guard		1
...	BT 395	Bolt	5/16"-18x5/8"	3
...	BZ 122	Nut	5/16"-18x5/16"	3
...	A 81082	Radiator splash guard assembly		1
...	A 82688	Radiator splash guard assembly (lacquered)		1
...	A 82689	Rear dust shield assembly (over gas. tank) (lacquered)		1
...	A 79401	Rear dust shield assembly (over gas. tank) (enameled)		1
...	BZ 70149	Rear dust shield screw		4
...	BO 70452	Rear dust shield finish washer		4
...	BO 12120	Rear dust shield nut		4

BONNET ASSEMBLY

...	A 81134	BONNET COMPLETE (specify color)		1
...	BZ 61521	BONNET LOCK ASSEMBLY		4
...	BZ 80343	Bonnet lock assembly (chromium plate)		2
...	GO 18342	Screw	No. 10-32x3/4"	8
...	BZ 12799	Nut	No. 10-32x1/8"	8
...	BO 13362	Handle	Enameled	2
...	BO 80345	Handle	Chromium-plated	2
...	BO 25802	Catch		4

When ordering give letter prefix with symbol number - Example: BX 61531.

HEADLAMP

Illus. No.	Part No.	Description	Specifications	Per Car
...	BO 63655	HEADLAMP COMPLETE		2
...	BO 70009	Nut - headlamp to bracket		2
...	BO 63703	HEADLAMP DOOR ASSEMBLY		2
...	BO 63514	Headlamp lens		2
...	BO 0450	Spring - lens		8
...	BO 62974	Reflector assembly		2
...	BO 30061	Cushion - headlamp lens		2
...	BO 31295	Screw - headlamp door		2
...	BO 30060	Retainer - door screw		2
...	BO 30357	Washer - focus screw backing		2
...	BO 64322	Screw - focusing		2
...	BO 30370	Screw - backing focus		2
...	BO 62973	Spring - focus screw		2
...	BO 30371	Connector wires and socket assembly		2
...	BO 62885	Arm - headlamp cam		2
...	BO 30358	Cam spring		2
...	BO 30369	Cam		2
...	BO 30373	Cam pin		2
...	BO 62869	Lockwasher - anchor bolt		2
...	BO 60	Plain washer - anchor bolt		2
...	BZ 70009	Anchor bolt nut		2
...	BO 62871	Conduit assembly		2
...	BO 30350	Headlamp terminal socket		2
...	BO 30351	Headlamp terminal socket sleeve		2

SIDE LAMP

(Cars 928658 to 1025146)

...	BO 63656	SIDE LAMP COMPLETE - R. H.		1
...	BO 63657	SIDE LAMP COMPLETE - L. H.		1
...	BO 63708	SIDE LAMP DOOR ASSEMBLY (less glass)		2
...	BO 63172	Lens		2
...	BO 62963	Cushion		2
...	BO 30406	Spring - lens		4
...	BO 62961	Reflector assembly		2
...	BO 70422	Screw - door	No. 6-32x 5/8" cone point H. D. machine screw	2
...	BO 31302	Conduit - wire		2
...	BO 63516	Wire assembly		2
...	BO 79785	Conduit collar	Roadster	2
...	BO 79787	Conduit collar washer	Roadster	2
...	BZ 5523	Conduit collar check nut	Roadster	2

(Cars 1025146 to 1057795)

...	BO 64438	SIDE LAMP COMPLETE - R.. H.		1
...	BO 64439	SIDE LAMP COMPLETE - L. H.		2
...	BO 63708	SIDE LAMP DOOR ASSEMBLY		2
...	BO 63172	Side lamp lens		2
...	BO 62963	Side lamp cushion		4
...	BO 30406	Spring - lens		2
...	BO 64442	Reflector assembly		2
...	BO 70422	Screw - door		2
...	BO 31302	Conduit - wire		1
...	BO 64444	Wire assembly - R. H.	39-7/16"	1
...	BO 64445	Wire assembly - L. H.	19-7/8"	1
...	BO 79785	Conduit collar	Roadster	2
...	BO 79787	Conduit collar washer	Roadster	2
...	BO 5523	Conduit collar check nut		2

(Cars 1057795 and upward)

...	BO 64354	SIDE LAMP ASSEMBLY - R. H.		1
...	BO 64355	SIDE LAMP ASSEMBLY - L. H.		1
...	BO 63708	DOOR ASSEMBLY		2
...	BO 64449	Lens		2
...	BO 30406	Spring - lens		4
...	BO 70422	Screw - door		2
...	BO 64443	Conduit		2
...	BO 64444	Wire assembly - R. H.	39-7/16"	1
...	BO 64445	Wire assembly - L. H.	19-7/8"	1

When ordering give letter prefix with symbol number - Example: BX 61531.

STOP AND TAIL LIGHT ASSEMBLY

Illus. No.	Part No.	Description	Specifications	Per Car
...	BO 31250	TAIL AND STOP LAMP ASSEMBLY		2
...	BO 70313	Nut - lamp to bracket		2
...	BO 30379	Lens		1
...	BO 31305	Door assembly (Includes lens)		1
...	BO 70365	Screw	No. 8-32x3/4" oval head machine screw	2
...	BO 30378	Gasket - lens		1
...	BO 70313	Square nut	1/4"-20x3/16"x7/16"	2
...	BO 30381	Gasket - license lens		1
...	BO 30376	Lens - license		1
...	BO 30136	Terminal - complete		1
...	BZ 28068	Stoplight switch assembly		1
...	BO 12126	Screw - switch to frame		2
...	BZ 12799	Nut - switch to frame screw		2

LAMP BRACKETS AND TIE BAR

...	CZ 81556	Headlamp tie bar		1
...	BZ 70497	Acorn nut - tie bar	1/4"-20x7/16"	1
...	BZ 70498	Acorn head bolt	1/4"-20x13/16"	1
...	BZ 81554	Headlamp bracket - R. H.		4
...	BZ 81555	Headlamp bracket - L. H.		4
...	BZ 70485	Bolt		4
...	BM 110	Nut	3/8"-16x3/8"	4
...	BZ 81560	Side lamp bracket - R. H. (All models)		1
...	BZ 81561	Side lamp bracket - L. H. (All models)		1
...	BZ 81565	Side lamp bracket band (All models)		1
...	BR 70185	Side lamp bracket band bolt		6
...	BO 12120	Side lamp bracket band bolt nut		6
...	BO 70525	Acorn nut - side lamp		2
...	BZ 80715	Tail lamp bracket		1

STARTER BUTTON AND WIRE

...	BO 81821	STARTER BUTTON AND WIRE ASSEMBLY		1
...	BO 70121	Lockwasher - shakeproof	3/8"	1
...	BO 70122	Nut	3/8"-24x5/32"	1
...	BO 62269	Starter button wire clamp		1
...	BO 62273	Starter cable and dash clip		1
...	BO 18447	Screw	No. 10-32x5/8"	2
...	BO 18479	Nut	No. 10-32x3/16"	2

RUBBER MATS AND FELT PADS

...	CO 81979	FRONT FLOOR MAT AND PAD COMPLETE	Coach	1
...	CO 81981	FRONT FLOOR MAT AND PAD COMPLETE	Coupe, sedan and town sedan	1
...	CO 81996	FRONT FLOOR MAT AND PAD COMPLETE	Roadster and phaeton	1
...	CO 82405	FRONT FLOOR MAT AND PAD COMPLETE	Convertible coupe	1
...	BO 81847	Dash pad		1

HORN

The horn assembly is serviced by the Hudson Motor Car Co. All horn parts are to be ordered from the E. A. Laboratories Co., Brooklyn, N. Y.

...	BZ 60666	HORN ASSEMBLY		1
...	BZ 62304	Horn bracket assembly		1

COWL VENTILATOR

...	CO 81415	COVER ASSEMBLY		1
...	BO 81665	Cover weatherstrip		1
...	BO 81623	Cover hinge adjusting plate		2
...	BO 18464	Cover hinge adjusting plate screw		4
...	BO 12120	Cover hinge adjusting plate screw nut		4
...	BO 70519	Cover hinge adjusting plate rivet		2
...	BO 81628	Cover hinge - R. H. - on cowl		1
...	BO 81629	Cover hinge - L. H. - on cowl		1
...	BO 18419	Cover hinge rivet		4
...	BO 81644	Cover to instrument panel spring		2
...	BO 82524	Cover to instrument panel spring clip		2
...	BO 18453	Cover to instrument panel spring clip screw		2
...	BO 12120	Cover to instrument panel spring clip nut		2

When ordering give letter prefix with symbol number - Example: BX 61531.

COWL VENTILATOR—Continued

Illus. No.	Part No.	Description	Specifications	Per Car
...	BO 81636	Control bracket		1
...	BO 70028	Control bracket rivet		3
...	BO 81641	Drain pipe		1
...	BO 81669	Drain tube		1
...	BO 81675	Drain tube clip		3
...	BO 18459	Drain tube clip screw		3
...	BO 18479	Drain tube clip screw nut		3
...	BO 81667	Ventilator handle		1
...	BO 81645	Ventilator handle spring		1
...	BO 70499	Ventilator handle clevis pin		1

INSTRUMENTS AND MOUNTINGS

...	BO 79755	OIL PRESSURE GAUGE ASSEMBLY		1
...	BO 79756	Ammeter assembly		1
...	BO 81812	Motor temperature indicator		1
...	BO 81811	Gasoline and oil level gauge assembly		1
...	BO 70124	Screw	No. 8-32x3/16"	8
...	BO 81817	Selector switch - gas and oil		1
...	BO 81815	Instrument lamp and socket assembly	Use 6-8 volt, 3 C. P. bulb	1
...	BO 79601	Anchor clip - upper		2
...	BO 79602	Anchor clip - lower		2
...	BO 70398	Clinch nut	1/4"-20	4
...	BO 18453	Instrument frame and mounting attaching screw		4
...	BO 18461	Instrument frame and mounting shakeproof lockwasher		4
...	BO 81818	Instrument panel escutcheon plate		1
...	BO 81840	Dial - instrument frame		1
...	BO 81842	Rim - instrument frame		1
...	BO 81845	Base - instrument frame		1
...	BO 79757	Glass - instrument frame		1

ACCESSORIES

The units listed below are usually termed accessories and are serviced by the manufacturer and its dealers. Parts or complete assemblies should be obtained direct from one of these.

BATTERY

The Electric Storage Battery Co., Philadelphia, Pa.

ELECTRICAL EQUIPMENT

Generator, starting motor, ignition coil and distributor - The Electric Auto-Lite Co., Toledo, Ohio.

SPEEDOMETER

Stewart-Warner Speedometer Corp., Chicago, Ill.

SHOCK ELIMINATORS

The Electric Auto-Lite Co., Toledo, Ohio.

VACUUM TANK

Stewart-Warner Speedometer Corp., Chicago, Ill.

WINDSHIELD CLEANER

Trico Products Corp., Buffalo, New York.

SHOCK ELIMINATORS

...	BZ 29507	Front shock absorber axle support clamp	Cars 928658 to 948330	4
...	BZ 63767	Front shock absorber axle bracket	Cars 928658 to 948330	2
...	GO 1489	Nut - shock absorber bracket to frame	Cars 928658 to 948330	2
...	BZ 63774	Front shock absorber axle bracket	Cars 948330 and upward.	2
...	BZ 2481	Nut - shock absorber bracket to frame	Cars 948330 and upward.	2
...	BZ 63770	Rear shock absorber frame bracket - R. H.		1
...	BZ 63771	Rear shock absorber frame bracket - L. H.		1
...	BZ 63768	Rear shock absorber axle bracket - R. H.		1
...	BZ 63769	Rear shock absorber axle bracket - L. H.		1

Shock eliminator assemblies and parts are serviced by the Electric Auto-Lite Co. service stations.

When ordering give letter prefix with symbol number - Example: BX 61531.

TOOLS

Illus. No.	Part No.	Per Description	Specifications	Car	
...	BZ 64158	Tool kit assembly (wire wheels)			1
...	BZ 64159	Tool kit assembly (wood wheels)			1
...	BZ 63566	STARTING CRANK ASSEMBLY			1
...	GZ 11074	Wheel puller			1
...	GZ 26557	Wheel puller screw			1
...	BZ 29178	Jack			1
...	BZ 29179	Jack handle extension			1
...	BZ 63425	Oil can			1
...	BZ 28620	Oil can holder			1
...	BM 22594	Spark plug and main bearing nut wrench			1
...	BZ 60625	Eccentric adjusting wrench			1
...	BZ 31149	Hub cap wrench			1
...	BZ 28333	Valve tappet and oil pump wrench			1
...	BZ 31356	Socket wrench complete (Includes pilots) (wire wheel)			1
...	BZ 31357	Socket wrench assembly (less pilots) (wire wheel)			1
...	BZ 31361	Socket wrench wheel pilot			2
...	BZ 31360	Instruction tag (wire wheel mounting)			1

ELECTROLOCK

...	BZ 63513	ELECTROLOCK ASSEMBLY			1
...	BZ 70552	Screw- coil wires			2
...	BZ 70551	Shakeproof lockwasher- coil wire screw			2
...	BZ 70553	Screw- gas and oil gauge wire			1
...	BZ 70563	Shakeproof lockwasher- gas and oil gauge wire screw			1
...	BZ 64370	Distributor post and base assembly			1
...	BO 30734	Clamp nut- electrolock to instrument panel			1

RUMBLE SEAT STEPS

...	BZ 81834	Upper step			1
...	BZ 70237	Screw	5/16"-18x2-1/2"		3
...	BZ 70371	Screw	5/16"-18x1-3/8"		3
...	BZ 122	Nut	5/16"-18x5/16"		3
...	BZ 81836	Lower step			1
...	BZ 70238	Screw	3/8"-16-1-3/8"		1
...	BZ 9666	Nut	3/8-16x1/4"		1
...	BZ 81729	Lower step bracket			1
...	BZ 79791	Washer- step bolt angle			2
...	BZ 80292	Lower step arm			1
...	BZ 636	Key	Woodruff No. 11		1
...	BZ 30003	Nut	3/4"-16x21/32"		1

RIGHT HAND DRIVE PARTS

FRONT AXLE-R. H. D.

...	CX 64276	FRONT AXLE ASSEMBLY			1
...	BX 62708	Steering arm - R. H			1
...	BX 62709	Steering arm - L. H			1

FRAME-R. H. D.

...	CF 63681	FRAME ASSEMBLY			1
...	BZ 62777	Bracket - stoplight switch			1

DRAG LINK-R. H. D.

...	CZ 62745	DRAG LINK ASSEMBLY			1
...	CZ 62747	Drag link			1

GASOLINE TUBE - R. H. D.

...	BZ 63367	TUBE ASSEMBLY - vacuum tank to gas tank			1
-----	----------	---	--	--	---

PEDAL CONTROL-R. H. D.

...	BZ 63283	PEDAL CONTROL ASSEMBLY			1
...	BZ 62313	Clutch pedal lever			1
...	BZ 61430	PEDAL BRACKET ASSEMBLY			1
...	BZ 61231	Clutch pedal			1
...	BZ 61232	Brake pedal			1
...	BZ 60707	Pedal shaft			1
...	BZ 60708	Brake pedal stop pin			1

When ordering give letter prefix with symbol number - Example: BX 61531.

BRAKE CONTROL-R. H. D. AND L. H. D.

Export. These parts are used in addition to ones listed for domestic cars, page 30.

Illus. No.	Part No	Description	Specifications	Per Car
...	BZ 63245	Brake cross shaft bracket		2
...	BZ 122	Nut - brake cross shaft bracket		4
...	BZ 905	Bolt - brake cross shaft bracket		4
...	BZ 63246	Brake cross shaft and lever		2
...	BZ 7114	Brake cross shaft and lever taper pin 2		
...	BZ 63247	Brake cross shaft link		2
...	BZ 8683	Clevis pin - cross shaft link		1
...	BZ 70301	Clevis pin - cross shaft link		1
...	BZ 63248	Rear brake release spring		2
...	BZ 63249	Cross shaft to rear idler rod - L. H.		1
...	BZ 63250	Cross shaft to rear idler rod - R. H.		1
...	BZ 8683	Cross shaft to rear idler rod clevis pin		2
...	BZ 70301	Cross shaft to rear idler rod clevis pin		2
...	BZ 63251	Hand brake lever to cross shaft link		1
...	BZ 6440	Hand brake lever to cross shaft link washer		2
...	BZ 8683	Hand brake lever to cross shaft link clevis pin		1

MOTOR

...	BM 63405	PIPE ASSEMBLY - pump to union		1
...	BM 63407	Oil pump to union tube covering		1

MOTOR CONTROL - R. H. D.

...	BZ 60703	Accelerator pedal bracket		1
...	BZ 63409	Accelerator pedal shaft		1
...	BZ 60711	Accelerator lever spring		1
...	BZ 63370	Rod - accelerator		1
...	BZ 63410	Motor control wire clip assembly		1

TRANSMISSION - R. H. D.

...	CT 62306	TRANSMISSION ASSEMBLY		1
...	CT 62310	Transmission case		1
...	BT 62309	Transmission front bearing cap		1
...	BT 64495	Clutch yoke assembly		†1

HAND BRAKE LEVER - R. H. D.

...	BS 63597	Hand brake lever		1
...	BS 62347	Rod - latch		1

STEERING GEAR - R. H. D.

...	CZ 63626	STEERING GEAR COMPLETE		1
...	CZ 63634	STEERING WHEEL ASSEMBLY		1
...	BZ 63381	Nut - steering wheel		1
...	CZ 63376	CASE AND GEARS COMPLETE		1
...	BZ 63383	Case		1
...	BZ 63900	Worm and bearing assembly		1
...	BZ 63387	Worm wheel		1
...	BZ 63390	Steering arm		1
...	BZ 63879	Case cover and frame bracket assembly		1
...	BZ 63865	Housing and seal		1
...	BZ 63082	Case cover (felt)		1
...	BZ 63087	Lower column bushing washer		1
...	BZ 64466	Jacket tube and bushing assembly		†1
...	BZ 63037	Horn button retainer		1
...	BZ 63083	Horn button retainer ring		1
...	BZ 63274	Horn wire assembly		1
...	BZ 63080	Insulator - horn wire, lower		1
...	BZ 63868	Case cover washer		1

RUBBER MATS AND FELT PADS - R. H. D.

...	CO 81980	FRONT FLOOR MAT AND PAD COMPLETE	Coach	1
...	CO 81982	FRONT FLOOR MAT AND PAD COMPLETE	Sedan and town sedan	1
...	CO 82406	FRONT FLOOR MAT AND PAD COMPLETE	Coupe	1
...	CO 81997	FRONT FLOOR MAT AND PAD COMPLETE	Phaeton and roadster	1
...	CO 82406	FRONT FLOOR MAT AND PAD COMPLETE	Convertible coupe	1

When ordering give letter prefix with symbol number - Example: BX 61531.