

# FRAME-SUSPENSION

# GROUP I

## GENERAL

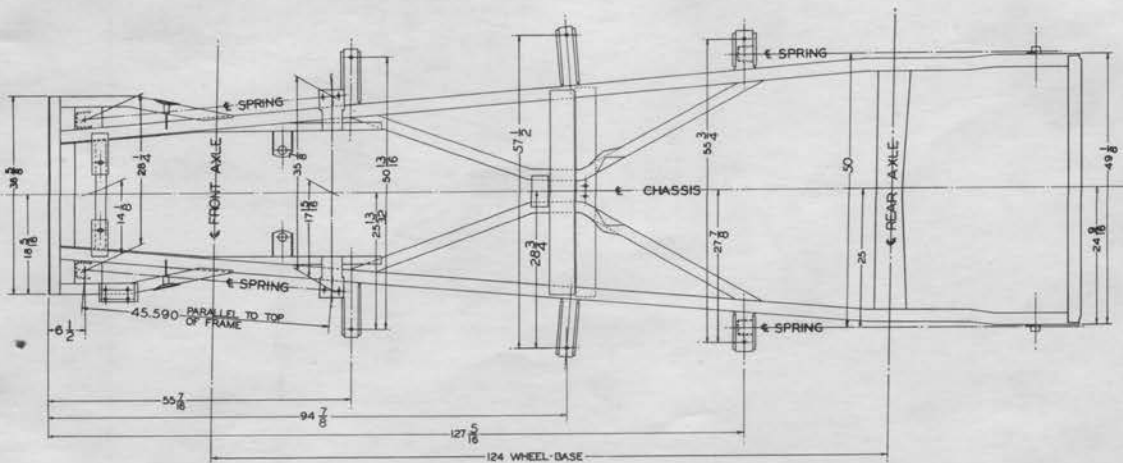
The frame assembly on the Checker is an all arc welded construction. Front and rear end of main rails are of box section construction and center section is an X member, with full height of side rail. The front is widened for spring suspension and bumper support by sub-rails. Body outrigger brackets are welded to side rails.

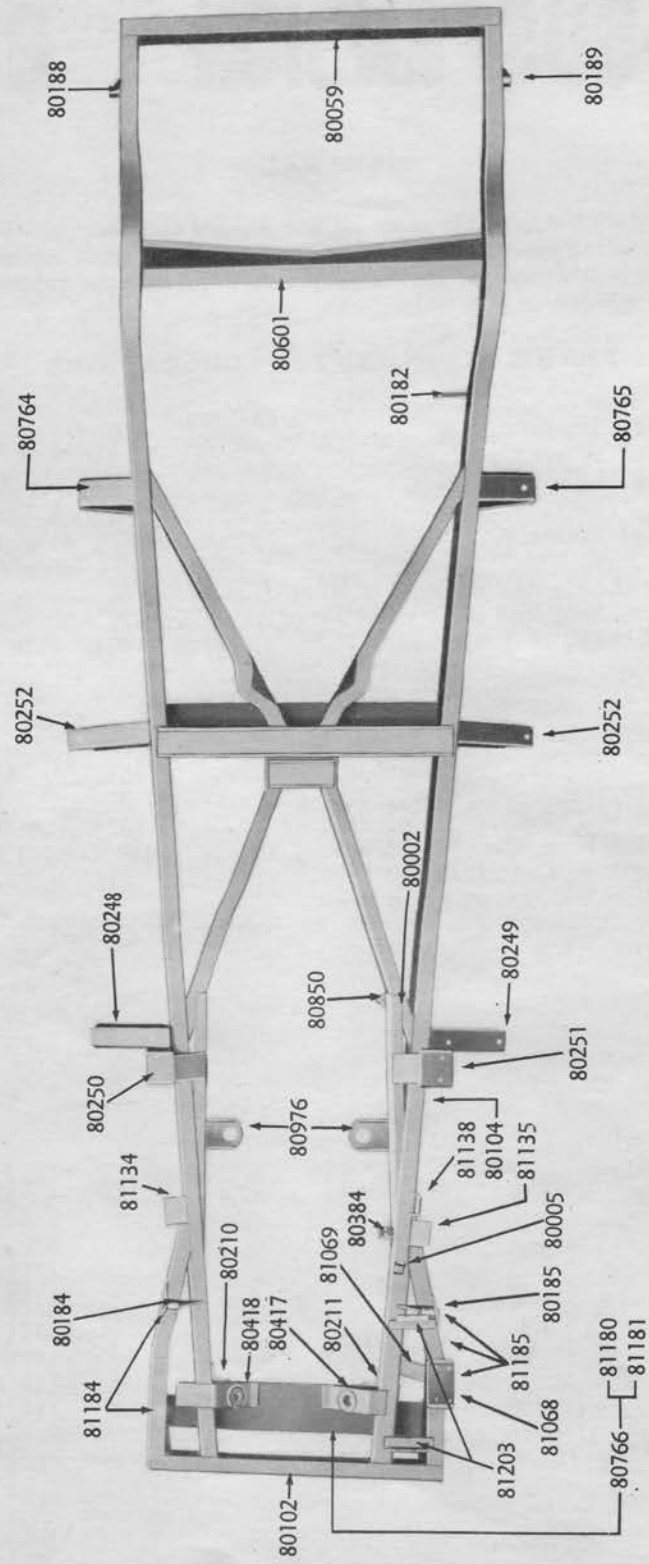
### FRAME ALIGNMENT SPECIFICATIONS

Wheel Base.....	124"
Side Rail Height.....	6" (1/8" Stock)
Side Rail Width.....	2 1/4"
Number of Crossmembers.....	2 Front & 2 Rear plus X-Member
Width of Frame.....	36 5/8" O.A. Front 49 1/8" Rear
Height of Side Rail Kick-up at Rear.....	7 7/8"
Height of Side Rail Kick-up at Front.....	4 7/8"
Total Length of Frame.....	189 3/8" O.A.

### SPRING SPECIFICATIONS

	Front	Rear
Length .....	46 1/2"	55"
Width .....	2"	2"
Number of Leaves.....	10	10
Deflection Rate Lbs. Per Inch.....	223	139
Thickness at Center.....	2 3/8"	2-25/64





FRAME ASSEMBLY

# FRAME - SUSPENSION

# GROUP 1

## PARTS LIST

No. Req'd.	Part Number	Description
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### FRAME

1	80895	FRAME ASSEMBLY—Complete (Model A4-A5)
1	80850	BRACKET—Parking Brake Cable Guide Frame
1	80182	BRACKET—Rear Brake Hose Frame
1	80002	BRACKET—Brake Master Cylinder Frame
1	80384	BRACKET—Parking Brake and Speedometer Conduit
1	81184	SUB RAIL ASSEMBLY—R. H.
1	81185	SUB RAIL ASSEMBLY—L. H.
2	81203	SUPPORT—Battery Frame Front and Rear
1	80184	BRACKET ASSEMBLY—Front Shock Absorber Upper R. H.
1	80185	BRACKET ASSEMBLY—Front Shock Absorber Upper L. H.
1	81134	BRACKET—Dash Support Frame R. H.
1	81135	BRACKET—Dash Support Frame L. H.
1	81069	REINFORCEMENT CHANNEL—Frame Steering Gear Support
1	81068	PLATE—Frame Steering Gear Support
1	80766	SUPPORT ASSEMBLY—Frame Front
1	81180	BRACKET—Frame Front Spring Frt.—R. H.
1	81181	BRACKET—Frame Front Spring Frt.—L. H.
1	80601	CROSSMEMBER ASSEMBLY—Kickup
2	80187	TUBE—Rear Shock Absorber Frame Upper
2	80599	REINFORCEMENT—Shock Absorber Frame Tube
2	80591	BRACKET—Fuel Tank Support Frame
1	80764	BRACKET ASSEMBLY—Body Frame Rear R. H.
1	80765	BRACKET ASSEMBLY—Body Frame Rear L. H.
2	80761	BRACKET—Rear Spring Front Frame R. H. and L. H.
1	80248	BRACKET—Body Frame Front R. H.
1	80249	BRACKET—Body Frame Front L. H.
1	80250	BRACKET—Frame Front Spring Rear R. H.
1	80251	BRACKET—Frame Front Spring Rear L. H.
2	80252	BRACKET—Body Frame Center
2	80005	BRACKET—Clutch Throwout Spring and Pedal Stop
1	81337	CROSSMEMBER ASSEMBLY—Frame Front
1	80059	CROSSMEMBER—Frame Rear
1	80188	BRACKET—Rear Spring Rear R. H.
1	80189	BRACKET—Rear Spring Rear L. H.
1	80976	BRACKET—Frame Engine Mounting Rear
1	80418	BRACKET AND RETAINER ASSEMBLY—Engine Front Support Frame R. H.
1	80417	BRACKET AND RETAINER ASSEMBLY—Engine Front Support Frame L. H.
1	80210	GUSSET—Engine Front Support R. H.
1	80211	GUSSET—Engine Front Support L. H.
1	81138	BRACKET—Clutch Throwout Bell Crank Frame
1	80104	TUBE—Pedal Shaft Frame

### FRONT SPRINGS

2	81024	SPRING ASSEMBLY—Front
2	81310	SPRING ASSEMBLY—Front (Export Only)
2	80759	BEARING—Spring Front
1	63689	LEAF—Main
1	63690	LEAF—Second
1	63691	LEAF—Third
1	63692	LEAF—Fourth
1	63693	LEAF—Fifth
1	63694	LEAF—Sixth
1	63695	LEAF—Seventh
1	63696	LEAF—Eighth
1	63697	LEAF—Ninth
1	63698	LEAF—Tenth

# FRAME - SUSPENSION

# GROUP 1

## PARTS LIST

No. Req'd.	Part Number	Description
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### FRONT SPRINGS (CONT.)

1	63699	CENTER BOLT AND NUT
2	63700	CLIP—Rebound (Third Leaf)
2	63701	CLIP—Rebound (Seventh Leaf)
1	80112	SPACER ASSEMBLY—Spring Clip R. H.
1	80114	SPACER—Front Spring Clip R. H.
1	80116	REINFORCEMENT—Front Spring Clip
1	80113	SPACER ASSEMBLY—Spring Clip L. H.
1	80115	SPACER—Front Spring Clip L. H.
1	80116	REINFORCEMENT—Front Spring Clip
2	80158	CLIP—Front Spring Rear
2	80117	CLIP—Front Spring Front (Also used at Rear of Export Front Springs)
2	81311	CLIP—Front Spring Front (Export Only)
2	80159	BRACKET—Front Shock Lower
8	65198	NUT—Clip
2	124428	BOLT—Spring Front End
2	115733	NUT—Spring Bolt Hex.
2	116123	WASHER—Spring Bolt Lock
2	80767	SHACKLE—Plate and Pin Assembly
2	80768	PLATE—Shackle—Loose
8	80760	BUSHING—Spring Shackle
4	451018	NUT—Spring Shackle
2	80082	BRACKET—Front Spring Rear
4	118591	BOLT—Bracket to Frame Hex Hd.
4	114942	NUT—Bracket to Frame Bolt Hex
4	115093	WASHER—Bracket to Frame Bolt Lock
2	70536	BUMPER—Front Spring Frame
4	118772	BOLT—Bumper to Frame Hex Hd.
4	115729	NUT—Bumper to Frame Bolt Hex
4	116120	WASHER—Bumper to Frame Bolt Lock

### REAR SPRINGS

2	81026	SPRING ASSEMBLY—Rear
2	80806	SPRING ASSEMBLY—Rear (Export Only)
2	80759	BEARING—Spring Front
1	63702	LEAF—Main
1	63703	LEAF—Second
1	63704	LEAF—Third
1	63705	LEAF—Fourth
1	63706	LEAF—Fifth
1	63707	LEAF—Sixth
1	63708	LEAF—Seventh
1	63709	LEAF—Eighth
1	63710	LEAF—Ninth
1	63711	LEAF—Tenth
1	63712	CENTER BOLT AND NUT
2	63713	CLIP—Rebound (Third Leaf)
2	63714	CLIP—Rebound (Seventh Leaf)
1	80108	SPACER—Rear Spring Clip R. H.
1	80109	SPACER—Rear Spring Clip L. H.
4	80110	CLIP—Rear Spring
8	65198	NUT—Clip
2	124428	BOLT—Spring Front End
2	115733	NUT—Spring Bolt Hex
2	116123	WASHER—Spring Bolt Lock
2	80767	SHACKLE—Plate and Pin Assembly
2	80768	PLATE—Shackle—Loose
8	80760	BUSHING—Spring Shackle
4	451018	NUT—Spring Shackle

# FRAME - SUSPENSION

# GROUP 1

## PARTS LIST

No. Req'd.	Part Number	Description
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**REAR SPRINGS (CONT.)**

2	24479	BUMPER—Rear Spring Frame
4	118772	BOLT—Bumper to Frame Hex Hd.
4	115729	NUT—Bumper to Frame Bolt Hex
4	116120	WASHER—Bumper to Frame Bolt Lock

## SHOCK ABSORBERS

2	80034	SHOCK ABSORBER—Front
2	80808	SHOCK ABSORBER—Front (Export Only)
2	80035	SHOCK ABSORBER—Rear
2	80809	SHOCK ABSORBER—Rear (Export Only)
16	80276	BUSHING—Shock Absorber
2	80164	STUD—Front Shock Absorber Lower
2	80811	STUD—Front Shock Absorber Lower (Export Only)
4	80165	STUD—Front and Rear Shock Absorber Upper
4	80810	STUD—Front and Rear Shock Absorber Upper (Export Only)
2	80159	BRACKET—Front Shock Absorber Lower
2	80171	STUD—Rear Shock Absorber Lower
8	24147	WASHER—Outer Retainer
16	115731	NUT—Stud Hex
16	116121	WASHER—Stud Lock

## BUMPERS—REAR

1	80830	BUMPER ASSEMBLY—Rear Outer R. H.
1	81302	BUMPER ASSEMBLY—Rear Outer R. H. (Model with Trunk Rack Only)
1	80831	BUMPER ASSEMBLY—Rear Outer L. H.
1	81303	BUMPER ASSEMBLY—Rear Outer L. H. (Model with Trunk Rack Only)
1	80829	BUMPER—Rear Center
2	81030	GUARD ASSEMBLY—Rear Bumper
2	81036	BRACKET ASSEMBLY—Bumper Support Inner Rear
2	81038	BRACKET ASSEMBLY—Bumper Support Outer Rear
2	118996	BOLT—Inner Support Bracket thru Bumper to Guard Hex Hd.
2	115093	WASHER—Inner Support Bracket thru Bumper to Guard Bolt Lock
2	126408	BOLT—Inner Support Bracket thru Bumper to Guard Carriage Hd.
4	121807	BOLT—Bumper to Outer Support Bracket Carriage Hd.
6	118615	NUT—Bumper to Support Brackets Bolt Hex
6	115093	WASHER—Bumper to Support Brackets Bolt Lock
2	80835	BRACKET—Rear Bumper Inner Arm
2	80836	BRACKET—Rear Bumper Outer Arm
2	81309	BRACE—Rear Bumper Outer Arm
4	118617	NUT—Bumper to Arm Bracket Hex
4	116121	WASHER—Bumper to Arm Bracket Lock
4	124381	BOLT—Complete Bumper Assembly to Frame Hex Hd.
4	115731	NUT—Complete Bumper Assembly to Frame Bolt Hex
4	116121	WASHER—Complete Bumper Assembly to Frame Bolt Lock
4	118777	WASHER—Complete Bumper Assembly to Frame Bolt Plain
2	81274	BUMPER—Frame Cushion
4	118772	BOLT—Frame Cushion Bumper to Frame Hex Hd.
4	115729	NUT—Frame Cushion Bumper to Frame Bolt Hex
4	116120	WASHER—Frame Cushion Bumper to Frame Bolt Lock

## BUMPERS—FRONT

1	80826	BUMPER ASSEMBLY—Front Outer R. H.
1	80827	BUMPER ASSEMBLY—Front Outer L. H.
1	80828	BUMPER—Front Center

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## PARTS LIST

No. Req'd.	Part Number	Description
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### BUMPERS—FRONT (CONT.)

2	81029	GUARD ASSEMBLY—Front Bumper
2	81035	BRACKET ASSEMBLY—Bumper Support Inner Front
2	81037	BRACKET ASSEMBLY—Bumper Support Outer Front
2	118996	BOLT—Inner Support Bracket thru Bumper to Guard Hex Hd.
2	115093	WASHER—Inner Support Bracket thru Bumper to Guard Bolt Lock
2	126408	BOLT—Inner Support Bracket thru Bumper to Guard Carriage Hd.
6	121807	BOLT—Bumper to Outer Support Bracket Carriage Hd. (And Top of Bumper)
8	118615	NUT—Bumper to Support Brackets Bolt Hex (And Top of Bumper Bolts)
8	115093	WASHER—Bumper to Support Brackets Bolt Lock (And Top of Bumper Bolts)
2	80833	BRACKET—Front Bumper Inner Arm
2	80834	BRACKET—Front Bumper Outer Arm
2	81308	BRACE—Front Bumper Outer Arm
4	118617	NUT—Bumper to Arm Bracket Hex
4	116121	WASHER—Bumper to Arm Bracket Lock
4	121256	BOLT—Complete Bumper Assembly to Frame Hex Hd.
4	115731	NUT—Complete Bumper Assembly to Frame Bolt Hex
4	116121	WASHER—Complete Bumper Assembly to Frame Bolt Lock
4	118777	WASHER—Complete Bumper Assembly to Frame Bolt Plain
2	81274	BUMPER—Frame Cushion
4	123453	BOLT—Frame Cushion Bumper to Frame Hex Hd.
4	626078	NUT—Frame Cushion Bumper to Frame Bolt Floating—(Part of 81337 Assembly)
4	118773	WASHER—Frame Cushion Bumper to Frame Bolt Plain

### TRUNK RACK

#### (SPECIAL EQUIPMENT)

1	81305	TRUNK RACK ASSEMBLY—Complete
1	81304	FRAME ASSEMBLY—Trunk Rack
1	81296	BRACKET—Trunk Rack R. H.
1	81297	BRACKET—Trunk Rack L. H.
2	81300	BOLT—Trunk Rack Hinge Hex Hd.
2	125357	NUT—Hinge Bolt Slotted Hex
2	121222	PIN—Hinge Bolt Cotter
2	120389	WASHER—Hinge Bolt Plain (Between Trunk Rack Frame and Bracket)
2	81301	BOLT—Trunk Rack Clamp Carriage
2	144235	NUT—Clamp Bolt Wing
2	121222	PIN—Clamp Bolt Cotter
2	120389	WASHER—Clamp Bolt Plain (Between Trunk Rack Frame and Bracket)
2	120395	WASHER—Clamp Bolt Plain (Under Wing Nut)
1	81294	SUPPORT—Trunk Rack Bracket R. H.
1	81295	SUPPORT—Trunk Rack Bracket L. H.
2	120234	BOLT—Trunk Rack Assembly to Support Hex Hd.
2	124180	BOLT—Trunk Rack Assembly to Support Hex Hd.
2	81293	SPACER—Trunk Rack Bracket (Used with #124180 Bolts)
4	115731	NUT—Trunk Rack Assembly to Support Bolt Hex
4	116121	WASHER—Trunk Rack Assembly to Support Bolt Lock
4	123908	BOLT—Trunk Rack Bracket Support to Chassis Hex Hd.
4	115732	NUT—Trunk Rack Bracket Support to Chassis Bolt Hex
4	116122	WASHER—Trunk Rack Bracket Support to Chassis Bolt Lock
1	22749	STRAP ASSEMBLY—Trunk Rack