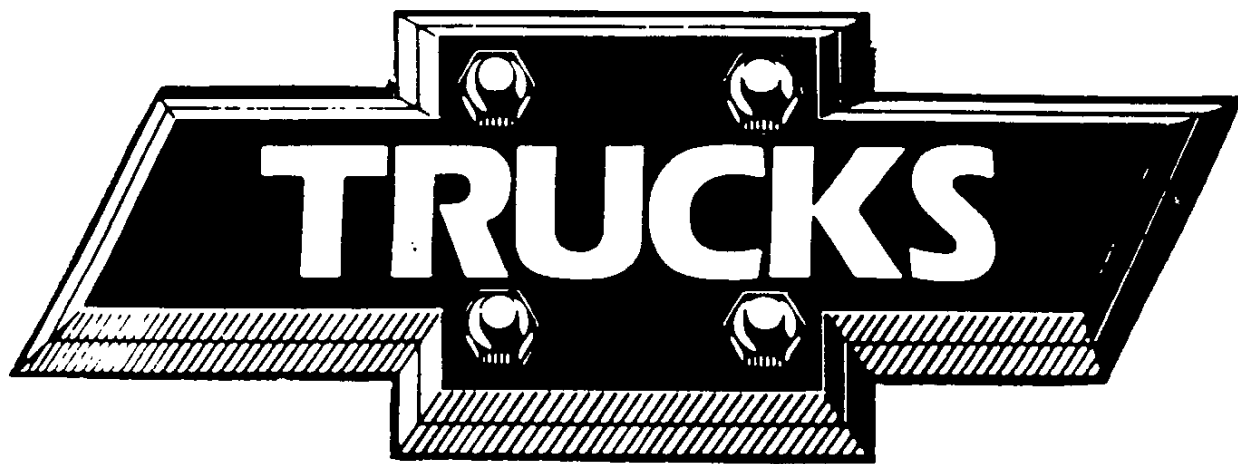




CHEVROLET



1950



VEHICLE IDENTIFICATION NUMBER

CHEVROLET
3HPB199432

A combination vehicle identification number and rating plate is used on all models. It is located on the left hand door lock pillar. The number consists of 13 alpha and numeric characters designating the vehicle division, chassis, type, engine, series, model, model year, assembly plant, and assembly sequence number.

FIRST DIGIT: Identifies the assembly plant

ASSEMBLY PLANT	CODE
Flint, MI.....	1
Tarrytown, NY.....	2
St. Louis, MO.....	3
Kansas City, MO.....	5
Oakland, CA.....	6
Atlanta, GA.....	8
Norwood, OH.....	9
Baltimore, MD.....	14
Los Angeles, CA.....	20
Janesville, WI.....	21

SECOND DIGIT: Identifies the year (H = 1950)

THIRD DIGIT: Identifies the series

SERIES	CODE
1500.....	J
3100.....	P
3600.....	R
3800.....	S

FOURTH DIGIT: Identifies the month

MONTH	CODE
January.....	A
February.....	B
March.....	C
April.....	D
May.....	E
June.....	F
July.....	G
August.....	H
September.....	I
October.....	J
November.....	K
December.....	L

LAST SIX DIGITS: Represent the basic production number

MODEL, WHEELBASE AND GVW INFORMATION

1508 SERIES

DESCRIPTION	WHEEL BASE	GVW	CODE
Sedan delivery.....	115"	4,100	1508

3100 SERIES

DESCRIPTION	WHEEL BASE	GVW	CODE
Light-duty chassis w/flat-face cowl.....	116"	4,600	3102
Light-duty chassis w/cowl and windshield.....	116"	4,600	3112
Light-duty chassis and cab.....	116"	4,600	3103
Light-duty pickup.....	116"	4,600	3104
Light-duty panel.....	116"	4,600	3105
Light-duty carryall suburban w/panel type rear doors.....	116"	4,600	3106
Light-duty canopy express.....	116"	4,600	3107
Light-duty carryall suburban w/end-gate.....	116"	4,600	3116

3600 SERIES

DESCRIPTION	WHEEL BASE	GVW	CODE
Medium-duty chassis w/flat-face cowl.....	125 1/4"	5,800	3602
Medium-duty chassis w/cab.....	125 1/4"	5,800	3603
Medium-duty chassis w/cab and pickup box.....	125 1/4"	5,800	3604
Medium-duty chassis w/cab and platform.....	125 1/4"	5,800	3608
Medium-duty chassis w/cab, platform and stake.....	125 1/4"	5,800	3609
Medium-duty chassis w/cowl and windshield.....	125 1/4"	5,800	3612

3800 SERIES

DESCRIPTION	WHEEL BASE	GVW	CODE
Medium-duty chassis w/flat-face cowl.....	137"	6,700	3802
Medium-duty chassis w/cab.....	137"	6,700	3803
Medium-duty chassis w/cab and pickup box.....	137"	6,700	3804
Medium-duty chassis w/panel body.....	137"	6,700	3805
Medium-duty chassis w/canopy express body.....	137"	6,700	3807
Medium-duty chassis w/cab and platform.....	137"	6,700	3808
Medium-duty chassis w/cab, platform and stake.....	137"	6,700	3809
Medium-duty chassis w/cowl and windshield.....	137"	6,700	3812



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TRANSMISSION IDENTIFICATION

1950 transmission serial number consist of letters and numerals which indicate the year, the type, the truck series, the plant where manufactured, and the unit number.

EXAMPLE: HG 1042

H or TModel year (1950)
 GRegular Production Options (RPO)
 1042.....42nd transmission built

1500 SERIES

TYPE	PLANT	CODE
Regular.....	Saginaw.....	HA
Regular.....	Muncie.....	HB
Regular.....	Toledo.....	HC
RPO.....	Saginaw.....	HG
RPO.....	Muncie.....	HH
RPO.....	Toledo.....	HJ

3100 SERIES

TYPE	PLANT	CODE
3-Speed.....	Saginaw.....	HN
3-Speed.....	Muncie.....	HO
3-Speed.....	Toledo.....	HP

3600 SERIES

TYPE	PLANT	CODE
3-Speed.....	Saginaw.....	HQ
3-Speed.....	Muncie.....	HR
3-Speed.....	Toledo.....	HS

3100/3600 SERIES

TYPE	PLANT	CODE
RPO,4-Speed.....	Saginaw.....	TK
RPO,4-Speed.....	Muncie.....	TL
RPO,4-Speed.....	Toledo.....	TM

3800 SERIES

TYPE	PLANT	CODE
4-Speed.....	Saginaw.....	TA
4-Speed.....	Muncie.....	TB
4-Speed.....	Toledo.....	TC

REAR AXLE IDENTIFICATION

The 1950 rear axle is identified by letters and numbers. The two letters signify the year, type, truck series and manufacturing plant. The numerals indicate the date of manufacture.

EXAMPLE: TE 409

T.....Model year (1950)
 E.....4.11:1 Gear Ratio
 4.....Month built (April)
 09.....Day built (9th)

1500 SERIES

RATIO	PLANT	CODE
4.11:1.....	G&A*.....	HA
4.11:1.....	Buffalo.....	HB

3100 SERIES

RATIO	PLANT	CODE
4.11:1.....	G&A*.....	HE
4.11:1.....	Buffalo.....	HF

3600 SERIES

RATIO	PLANT	CODE
4.57:1.....	G&A*.....	HG
4.57:1.....	Buffalo.....	HH

3800 SERIES

RATIO	PLANT	CODE
5.14:1.....	G&A*.....	TJ
5.14:1.....	Buffalo.....	TK
5.14:1+.....	G&A*.....	TQ
5.14:1+.....	Buffalo.....	TR

* Detroit Gear & Axle

+ Dual rear wheels

1950 CHEVROLET TRUCK

1950 CHEVROLET TRUCK

REGULAR PRODUCTION OPTIONS (RPO)

DESCRIPTION	CODE
Double-acting shock absorbers	200
Long running boards and rear fenders	207
Rear axle ratio 5.14:1	208
Rear-view mirrors and brackets, LH/RH	210
Rear shock absorbers shield	211
Hydrovac power brake	213
Oil-bath air cleaner	216
Heavy-duty clutch	227
Oil filter	237
Governor	241
Dual tail and stop light	249
Heavy rear springs	254
Heavy duty radiator	256
Right-hand front seat	263
Auxiliary rear springs	267
Heavy-duty 3-spd. trans.	316
Heavy-duty 4-spd. trans.	318
Combination fuel and vacuum pump	340
Genuine leather trim	361
Front bumper (Forward-Control chassis)	367
Chrome radiator grille	386
Deluxe equip. cab & panel	390

COLOR IDENTIFICATION

EXTERIOR COLOR	CODE
Forester Green	S
Swift's Red	234A
Armour Yellow	234B
White	234C
Jet Black	234D
Omaha Orange	234E
Cape Maroon	234F
Mariner Blue	234G
Windsor Blue	234H
Seacrest Green	234J
Sun Beige	234K
Cream Medium	234L
Maryland Black	STD+
Mist Green	235A
Grecian Gray	235B
Falcon Gray	235C
Windsor Blue	235D
Crystal Green	235E
Oxford Maroon	235F
Rodeo Beige	235J
Mist Green/ Crystal Green	235G
Grecian Gray/ Falcon Gray	235H

+ Sedan delivery

ENGINE IDENTIFICATION

1950 engine serial number consist of letters and numerals which indicate the 1950 model, truck series, engine size, clutch size, the manufacturing plant, and the unit number.

EXAMPLE: HBA 1050

H.....Model year (1950)
 B.....216 Regular
 A.....Built in Flint
 1050.....50th Engine built

1500 SERIES

ENGINE CODE	PLANT	NO. CYL.	CID	HORSE-POWER	COMP. RATIO	CARB	TRAN:
HAA	Flint	6	216	92	6.6:1	1 BC	N/
HAM	Tonawanda	6	216	92	6.6:1	1 BC	N/
HAC	Flint	6	216	92	6.6:1	1 BC	N/
HAP	Tonawanda	6	216	92	6.6:1	1 BC	N/

3100 SERIES

ENGINE CODE	PLANT	NO. CYL.	CID	HORSE-POWER	COMP. RATIO	CARB	TRAN:
HBA	Flint	6	216	92	6.6:1	1 BC	N/
HBM	Tonawanda	6	216	92	6.6:1	1 BC	N/
BHCA*	Flint	6	216	92	6.6:1	1 BC	N/
BHCM*	Tonawanda	6	216	92	6.6:1	1 BC	N/

3600/3800 SERIES










































ENGINE CODE	PLANT	NO. CYL.	CID	HORSE-POWER	COMP. RATIO	CARB	TRAN:
AHCF*	Flint	6	235	92	6.6:1	1 BC	N/
AHCM*	Tonawanda	6	235	92	6.6:1	1 BC	N/

* "A" will precede prefix if motor is used on 3600 and 3800 series

* "B" will precede prefix if R.P.O. on 3100 series

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TYPE		LIGHT DUTY	MEDIUM DUTY				MODEL IDENTIF	
LINE		CONVENTIONAL			FORWARD CONTROL			
SERIES		3100	3600	3800	3700	3900	4100	4
DE- SCRIP- TION	Nominal rating	1/2 Ton	3/4 Ton	1 Ton	3/4 Ton	1 Ton	1-1/2 Ton	
	GVW range (lb)	4200-4600	5200-5800	5700-8800	6200-7000	6700-10000	7500-12500	
	Basic rr wheels	Single						Dual (except where
Wheelbase		116	125-1/4	137	125-1/4	137	137	1
FLAT FACE COWL CHASSIS For bodies other than Chevrolet		3102 	3602 	3802 			4102 Single 	4402 
SCHOOL BUS FLAT FACE COWL CHASSIS For bodies other than Chevrolet								
WINDSHIELD COWL CHASSIS For bodies other than Chevrolet		3112 	3612 	3812 			4112 Single 	4412 
FORWARD CONTROL CHASSIS For bodies other than Chevrolet					3742 	3942 		
CAB CHASSIS For bodies other than Chevrolet		3103 	3603 	3803 			4103 	4403 
PLATFORM TRUCK (08) AND EXPRESS PLATFORM TRUCK (18) Chassis, cab, and platform			3608 	3808 			4108 	4408 ar 
STAKE TRUCK Chassis, cab, platform, and stake racks			3609 	3809 			4109 	4409 
EXPRESS STAKE TRUCK Chassis, cab, platform, stake racks, and tail gate			(3608+RPO 401) 	(3808+RPO 401) 			(4108+RPO 401) 	(4408+R) 
HIGH RACK (STOCK) TRUCK Chassis, cab, platform, and high stake racks								4429 
PICKUP TRUCK Chassis, cab, and pickup box		3104 	3604 	3804 				4419 
PANEL TRUCK Chassis and panel body with two rear doors		3105 		3805 				(4408+RF) 
CANOPY EXPRESS TRUCK Chassis and open side body with canopy roof and tail gate		3107 		3807 				(4408+RF) 
URBAN CARRYALL Chassis and 8 passenger closed body (3106 with doors) (3116 with gates)		3106 & 3116 						

4-14-50
























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IDENTIFICATION

HEAVY DUTY

		CONVENTIONAL			CAB-OVER-ENGINE			
		6100*	6400*	4500	6700	5100*	5400*	5700*
		2 Ton		1-1/2 Ton	2 Ton	2 Ton		
		13000-16000		10500-12000	13500-15000	13000-16000		
where noted)		Dual			Dual			
		137	161	161	199	110	134	158
4402	Single	6102	6402					
								
				4502	6702			
								
4412	Single	6112	6412					
								
4403		6103	6403			5103	5403	5703
								
4408 and 4418		6103	6408 and 6418				5408 and 5418	
								
4409		6109	6409				5409	
								
		(4408+RPO 401)	(6408+RPO 401)				(5408+RPO 401)	
4429			6429				5429	
								
			(6416+RPO 401)				(5418+RPO 401)	
4419			6419				5419	
								
			(6408+RPO 401)				(5408+RPO 401)	
<p>* - Also, Series 6100S, 6400S, 5100S, 5400S, 5700S are available (13000-15000 GWV) and identified as 1-1/2 Ton Special. Models and equipment in the 1-1/2 Ton Special Series are the same as the respective 2 Ton Series, except for the identification plate showing 15000 max GWV.</p>								



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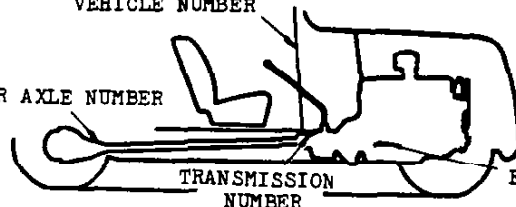
SERIAL NUMBERS

SERIAL NUMBER LOCATIONS
(See descriptions below)

VEHICLE NUMBER

NOTE:
Serial numbers were obtained
from Standards Department

REAR AXLE NUMBER



TRANSMISSION
NUMBER

ENGINE NUMBER

UNITS		3100	3600	3700	3800	3900	4100	4400	4502	6702	6100	6400	5100	5400	5700	
V E H I C L E	Prefix	HP	HR	HT	HS	HU	TJ	TK	TL	TX	TV*	TW*	TP*	TR*	TS*	
	Number code and example	Includes symbols of assembly plant, model year, series, month assembled, and serial number. The first figure indicates the assembly plant, (see page 8); the first letter, the model year; the second letter, the series; the third letter, the month, "A" January, "B" February, etc; then the serial number beginning at 1001 at each plant for each series. 1-1/2 Ton Special models are numbered in sequence with similar basic series.														
Plate location		Flat Face Cowl Chassis, on cowl inner panel LH; Forward Control Chassis, on temporary instrument panel support LH; All others, on body hinge pillar LH														
R E A R A X L E	Pre- fix	Detroit	Regular	HE	HG	HQ	TJ	TC	TL	TG						
			RPO 202								TN (two-speed axle)					
			RPO 204								TE					
			RPO 208		HQ											
	RPO 295				TQ**	TA**										
	Buffalo	Regular	HF	EH	HR	TK	TD	TM	TH							
		RPO 202									TP (two-speed axle)					
		RPO 204							TF							
		RPO 208		HR												
	RPO 295				TR**	TB**										
Number code and example		Includes symbols for model year, model and manufacturing plant, and month and day of assembly. Example: TC-507. T=1950 model year; C=regular 3900 rear axle, built in Detroit; 5=fifth month; 07=seventh day.														
Location		Series 3100: on front face of differential carrier flange, right side All others: on the top of differential carrier, at right side														
E N G I N E	Pre- fix	Flint	Regular	HBA	AHCA	HCF	AHCA	HCF	HCA	HEA						HDA
			RPO 227	BHCA												
			RPO 225						AHEA							
			RPO 212						HCD							
			RPO 213				AHCD									
	Tona- wanda	Regular	HBM	AHCM	HCS	AHCM	HCS	HCM	HEM						HDM	
		RPO 227	BHCM													
		RPO 225						AHEM								
		RPO 212						HCO								
		RPO 213				AHCQ										
Number code		Serial numbers begin with 1001 at each plant and continue in sequence														
Location		On crankcase at rear of distributor, on right side of engine														
T R A N S M I S S I O N	Pre- fix	Saginaw	Regular	HN	HQ	TA	TD	TA						TD		
			RPO	TK (RPO 318)						TG (RPO 348)						
	Muncie	Regular	HO	HR	TB	TE	TB						TE			
		RPO	TL (RPO 318)							TH (RPO 348)						
	Toledo	Regular	HP	HS	TC	TF	TC						TF			
		RPO	TM (RPO 318)							TJ (RPO 348)						
	Number code		Three-speed: start with 1001 at each plant and continue in sequence Four-speed: start with 1001 at each plant and continue in sequence													
	Location		Three-speed: on left side of case at rear of cover Four-speed: on rear of case, just below cover on right side													

* - TVS for 6100S, TWS for 6400S, TPS for 5100S, TRS for 5400S, and TSS for 5700S series.
** - RPO 295 for dual rear tires on 3802-03-08-12 and 3942.



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VEHICLE WEIGHTS

LIGHT DUTY TRUCKS

Model	Shipping			Curb		
	Front	Rear	Total	Front	Rear	Total
3102 @	1520	920	2440	1570	1000	2570
3103	1780	1130	2910	1850	1200	3050
3104	1775	1400	3175	1845	1470	3315
3105	1725	1650	3375	1775	1730	3505
3106	1755	1915	3670	1805	1995	3800
3107 @	1745	1590	3335	1795	1670	3465
3112 @	1580	960	2540	1630	1040	2670
3116	1755	1920	3675	1805	2000	3805

MEDIUM DUTY TRUCKS

Model	Shipping			Curb		
	Front	Rear	Total	Front	Rear	Total
3602 @	1640	1070	2710	1705	1175	2880
3603	1885	1240	3125	1960	1345	3305
3604	1905	1610	3515	1980	1715	3695
3608 @	1910	1630	3540	1985	1735	3720
3609	1905	1795	3700	1980	1900	3880
3610 @	1710	1100	2810	1775	1205	2980

3742	1540	925	2465	1530	1145	2675
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3802	1835	1150	2985	1890	1285	3175
3803	2120	1300	3420	2200	1405	3605
3804	2130	1800	3930	2210	1905	4115
3805	2045	2145	4190	2100	2280	4380
3807 @	2095	2050	4145	2150	2185	4335
3808	2130	1840	3970	2210	1945	4155
3809	2140	2065	4205	2220	2170	4390
3812 @	1940	1140	3080	1995	1275	3270

3942	1670	1020	2690	1680	1235	2915
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HEAVY DUTY TRUCKS

Model	Shipping			Curb		
	Front	Rear	Total	Front	Rear	Total
4102 @	2005	1370	3375	2050	1525	3575
4103	2245	1720	3965	2325	1825	4150
4108 @	2250	2285	4535	2330	2390	4720
4109	2260	2510	4770	2340	2615	4955
4112 @	2070	1410	3480	2115	1565	3680

@ - Estimated weights

HEAVY DUTY TRUCKS - Continued

Model	Shipping			Curb		
	Front	Rear	Total	Front	Rear	Total
4402 @	2080	1405	3485	2140	1545	3685
4403	2355	1745	4100	2450	1835	4285
4408 @	2395	2435	4830	2490	2525	5015
4409	2440	2680	5120	2535	2770	5305
4412 @	2150	1440	3590	2210	1580	3790
4418 @	2385	2430	4815	2480	2520	5000
4419 @	2400	2995	5395	2495	3085	5580
4429 @	2420	2735	5155	2515	2825	5340

5103 *	2620	1860	4480	2720	1970	4690
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5403 *	2665	1905	4570	2775	2005	4780
5408 **	2735	2570	5305	2845	2670	5515
5409 **	2740	2855	5595	2850	2955	5805
5418 **	2725	2565	5290	2835	2665	5500
5419 **	2765	3105	5870	2875	3205	6080
5429 **	2745	2885	5630	2855	2985	5840

5703 *	2745	1920	4665	2860	2015	4875
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6102 **	2155	1850	4005	2205	2015	4220
6103 *	2430	2020	4450	2520	2140	4660
6108 **	2415	2595	5010	2505	2715	5220
6109 **	2425	2820	5245	2515	2940	5455
6112 **	2220	1890	4110	2270	2055	4325

6402 **	2205	1875	4080	2270	2025	4295
6403 *	2495	2035	4530	2590	2150	4740
6408 **	2555	2695	5250	2650	2810	5460
6409 *	2590	2950	5540	2685	3065	5750
6412 **	2280	1905	4185	2345	2055	4400
6418 **	2520	2715	5235	2615	2830	5445
6419 **	2655	3160	5815	2750	3275	6025
6429 **	2565	3010	5575	2660	3125	5785

* - Shipping weight and curb weight is approximately the same for corresponding 5100S, 5400S, 5700S, 6100S, 6400S models in the "1-1/2 Ton Special" series.

SCHOOL BUS CHASSIS

Model	Shipping			Curb		
	Front	Rear	Total	Front	Rear	Total
4502 @	2135	1720	3855	2230	1885	4115
6702	2285	2080	4365	2395	2255	4650

VEHICLE WEIGHT CONDITIONS

SHIPPING WEIGHT: This weight is established by the Traffic Department; it is the basic weight of the vehicle with all regular equipment and with grease and oil wherever required. It does not include the weights of gasoline or water.

CURB WEIGHT: This is the weight of the empty vehicle ready to drive. It is the shipping weight plus the weight of gasoline, water, and spare tire on models which do not include the spare tire as basic equipment.

FOR GROSS VEHICLE WEIGHT: See page 95

4-14-50



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EQUIPMENT WEIGHTS*

<u>EQUIPMENT</u>	<u>SHIPPING WEIGHT</u>
Cab, Conventional -----	590
Cab, COE -----	612
Cowl unit, Flat Face -----	128
Cowl and Windshield unit -----	228
Body, Suburban Carryall:	
3106, with rear doors -----	1360
3116, with tail and lift gates -----	1374
Body, Panel:	
3105 -----	1048
3805 -----	1256
Body, Canopy Express:	
3107 -----	1027
3807 -----	1201
Body, Pickup:	
3104 -----	258
3604 -----	290
3804 -----	419
Platform, Stake Truck:	
3608 -----	414
3808, 4108, 6108 -----	552
4408, 5408, 6408 -----	729
Platform, Express Stake Truck:	
4418, 5418, 6418 -----	738
Racks, Stake Truck:	
3609 -----	160
3809, 4109, 6109 -----	235
4409, 5409, 6409 -----	288
Racks and Tail Gate, Express Stake Truck:	
4429, 5429, 6429 -----	340
Racks, High Rack (Stock) Truck:	
4419, 5419, 6419 -----	563

Each weight shown below is the weight to be added when the listed equipment is specified in addition to, or in place of regular equipment. Deductions for deleted regular equipment are included in these weights.

<u>RPO EQUIPMENT</u>	<u>ADDITIONAL WEIGHT</u>
Axle, two-speed:	
5000, 6000 -----	111
Brake, propeller shaft:	
4502, 6702 -----	23 •
Brake booster, hydraulic-vacuum:	
3800, 3942, 4000 -----	19
Bumper, front:	
3742, 3942 -----	79
Filter, oil:	
3100, 3600, 3800, 4000, 5000, 6000 -----	16
Frame, heavy duty:	
4100 -----	58
Less rear fenders: Models 3102-03-12 -- Minus	40 x
Long running boards and rear fenders:	
3600 -----	73 •
3800 -----	78
Platform body equipment (high sill):	
3608, 3609 (with 17" tires) -----	25
Radiator, heavy duty:	
3600 -----	14
3800, 4000 -----	11
Seat, auxiliary:	
3105, 3107, 3805, 3807 -----	48
Spare wheel and carrier:	
3742 with 15" wheel -----	62
3742 with 17" wheel -----	70
3942 with 17" wheel -----	75
3942 with 18" wheel -----	56
Shock absorbers, front, double acting:	
4000, 5000, 6000, cam and lever type -----	23
Shock absorbers, rear, double acting:	
3800 direct acting -----	19
3942 cam and lever type -----	23
3942 cam and lever type with stabilizer --	28
4000, 5000, 6702 cam and lever type -----	39
Springs, rear:	
3100 heavy duty -----	14
3800 auxiliary -----	43
3942 auxiliary -----	53
4100, 4400 auxiliary -----	77
6100, 6400, 11-leaf 2-stage -----	Minus 76
School Bus chassis equipment:	
3802 -----	65 •
Transmission, 4-speed:	
3100, 3600, 3700 -----	77

Each weight shown below is the total weight of one tire and tube, and one wheel assembly.

<u>TIRE SIZE AND PLY RATING</u>	<u>ASSEMBLY WEIGHT</u>
6.00-16-6 -----	48
6.70-15-4 -----	43
6.70-15-6 -----	45
6.50-16-6 -----	51
15-6 -----	72
15-8 -----	73
7.00-17-6 -----	85
7.00-17-8 -----	89
7.50-17-8 -----	95
7.50-17-10 -----	102
7.00-18-8 -----	97
6.50-20-6 -----	97
6.50-20-8 -----	100
7.00-20-8 -----	108
7.00-20-10 -----	118
7.50-20-8 -----	130
7.50-20-10 -----	143
8.25-20-10 -----	154
8.25-20-12 -----	160
9.00-20-10 -----	190

4-14-50. Revised: 7-17-50, • - Weights revised; x - Less rear fenders added.



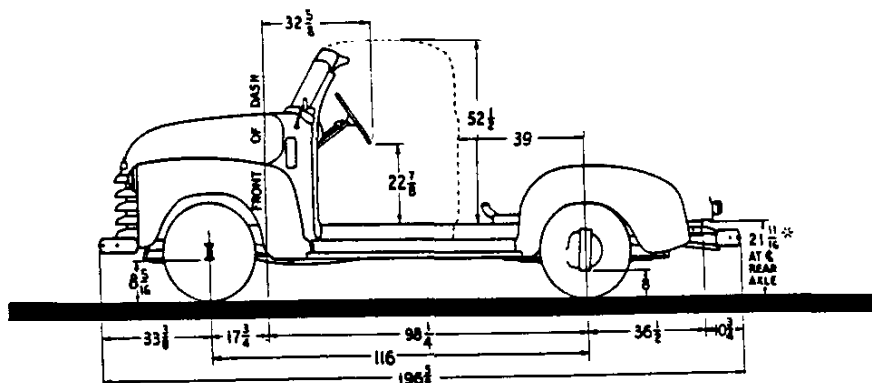
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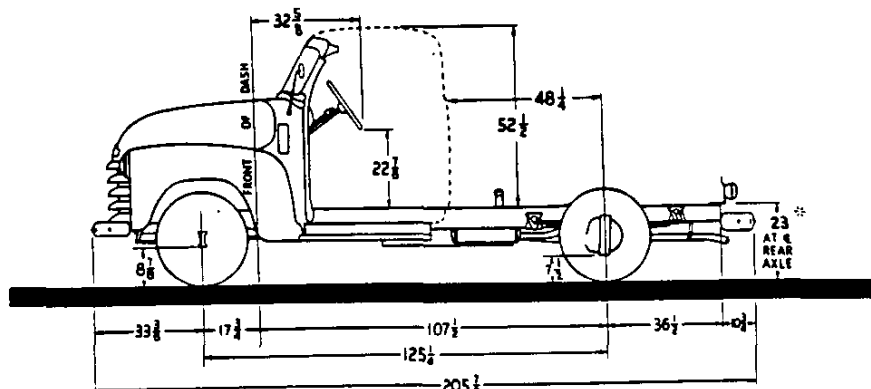
CHASSIS DIMENSIONS

- 3102 1/2 TON FLAT FACE COWL CHASSIS
- 3103 1/2 TON CAB CHASSIS
- 3112 1/2 TON WINDSHIELD COWL CHASSIS



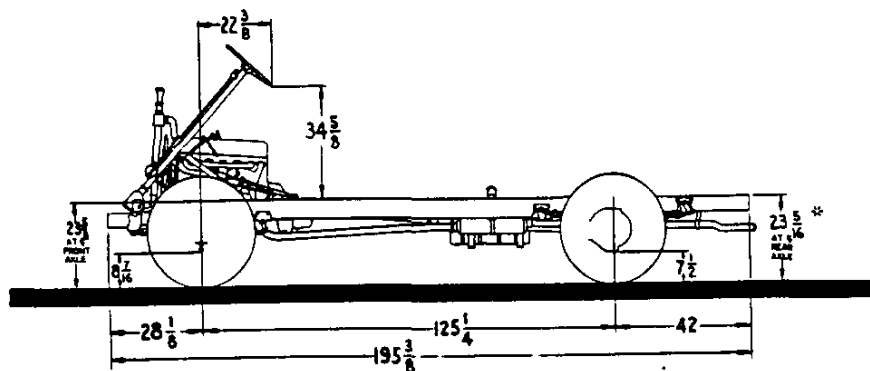
* - Loaded height with 6.00-16-6 pr tires

- 3602 3/4 TON FLAT FACE COWL CHASSIS
- 3603 3/4 TON CAB CHASSIS
- 3612 3/4 TON WINDSHIELD COWL CHASSIS



* - Loaded height with 15"-6 pr tires

- 3742 3/4 TON FORWARD CONTROL CHASSIS



* - Loaded height with 15"-6 pr tires

CONTINUED

4-14-50

CHEVROLET 1950 SPECIFICATIONS—TRUCKS

CHASSIS DIMENSIONS-55



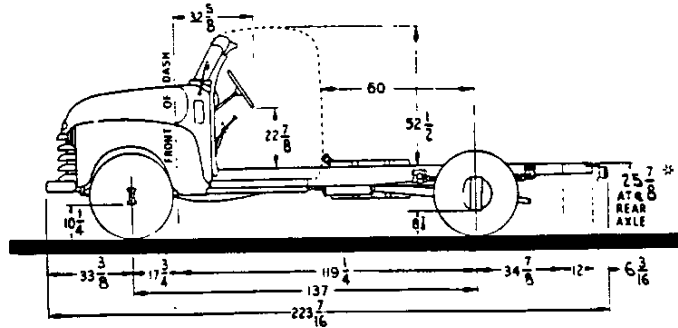
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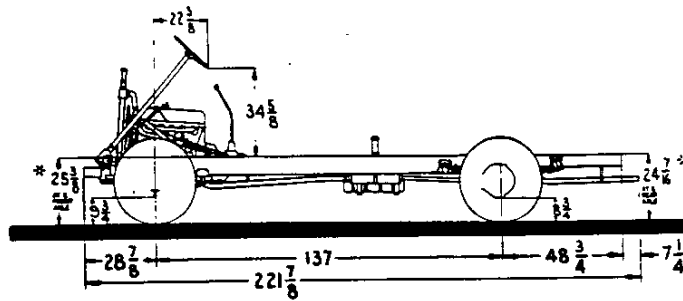
CHASSIS DIMENSIONS—Continued

- 3802 1 TON FLAT FACE COWL CHASSIS
- 3803 1 TON CAB CHASSIS
- 3812 1 TON WINDSHIELD COWL CHASSIS



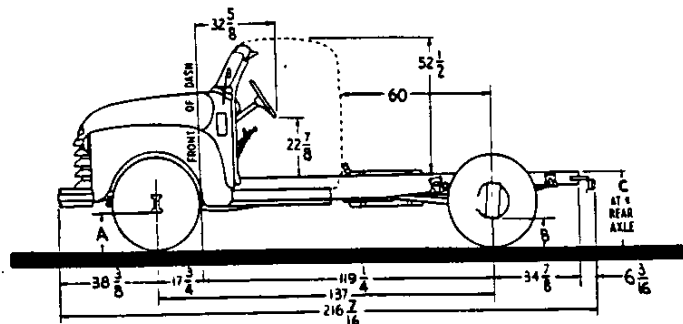
* - Loaded height with 7.00-17-6 pr tires

- 3942 1 TON FORWARD CONTROL CHASSIS



* - Loaded height with 7.00-17-6 pr tires

- 4102 1-1/2 TON FLAT FACE COWL CHASSIS
- 4103 1-1/2 TON CAB CHASSIS
- 4112 1-1/2 TON WINDSHIELD COWL CHASSIS



MODEL	TIRES	A *	B *	C *
4103	6.50-20-6 Dual	11-1/4	8-11/16	28-3/8
4102-12	7.00-20-8	11-3/4	9-3/16	28-7/8

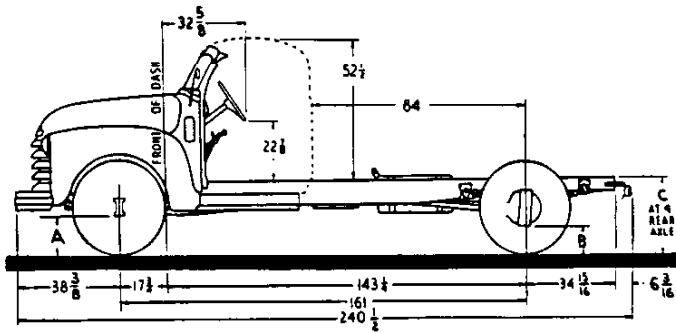
* - Loaded heights
CONTINUED

4-14-50



CHASSIS DIMENSIONS—Continued

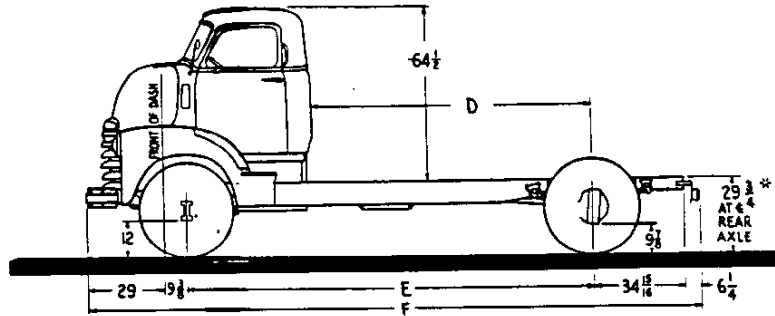
- 4402 1-1/2 TON FLAT FACE COWL CHASSIS
- 4403 1-1/2 TON CAB CHASSIS
- 4412 1-1/2 TON WINDSHIELD COWL CHASSIS



MODEL	TIRES	A *	B *	C *
4403	6.50-20-6 Dual	11-1/4	8-11/16	28-7/8
4402-12	7.00-20-8	11-3/4	9-5/16	29-3/8

* - Loaded heights

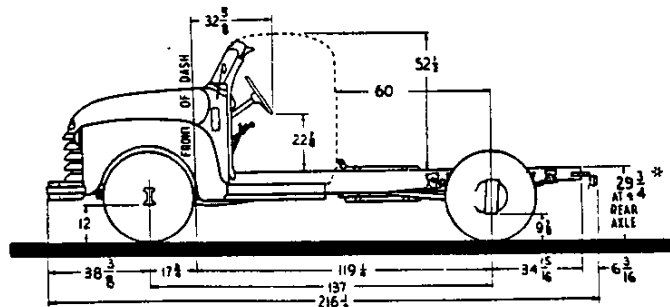
- 5103S 1-1/2 TON SPECIAL AND 5103 2 TON COE CAB CHASSIS
- 5403S 1-1/2 TON SPECIAL AND 5403 2 TON COE CAB CHASSIS
- 5703S 1-1/2 TON SPECIAL AND 5703 2 TON COE CAB CHASSIS



MODEL	D	E	F
5103	60-1/8	110	189-9/16
5403	84-1/8	134	213-9/16
5703	108-1/8	158	237-9/16

* - Loaded height with 7.50-20-8 pr dual tires

- 6102S 1-1/2 TON SPECIAL AND 6102 2 TON FLAT FACE COWL CHASSIS
- 6103S 1-1/2 TON SPECIAL AND 6103 2 TON CAB CHASSIS
- 6112S 1-1/2 TON SPECIAL AND 6112 2 TON WINDSHIELD COWL CHASSIS



* - Loaded height with 7.50-20-8 pr dual tires

CONTINUED

4-14-50



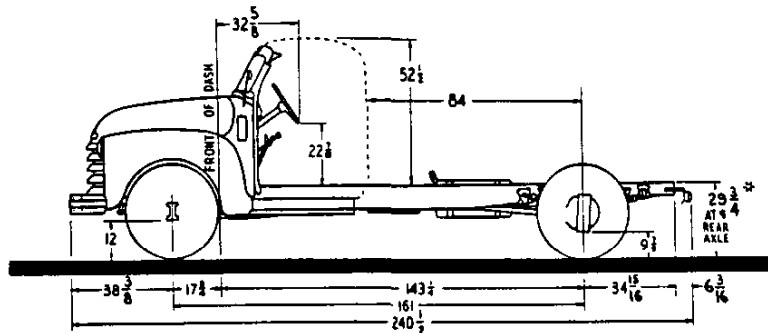
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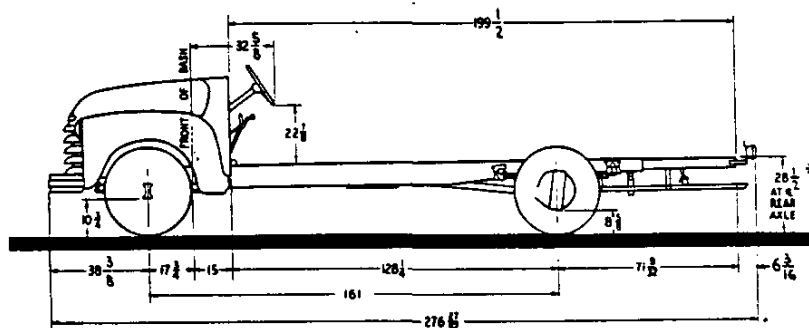
CHASSIS DIMENSIONS—Continued

6402S 1-1/2 TON SPECIAL AND 6402 2 TON FLAT FACE COWL CHASSIS
 6403S 1-1/2 TON SPECIAL AND 6403 2 TON CAB CHASSIS
 6412S 1-1/2 TON SPECIAL AND 6412 2 TON WINDSHIELD COWL CHASSIS



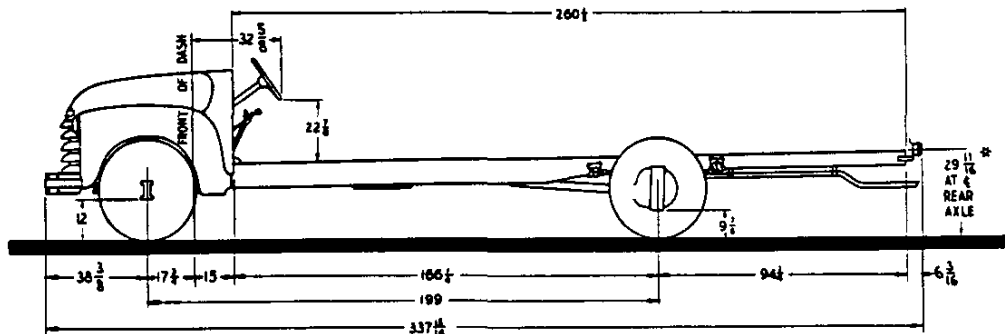
* - Loaded height with 7.50-20-8 pr dual tires

4502 1-1/2 TON SCHOOL BUS FLAT FACE COWL CHASSIS



* - Loaded height with 6.50-20-6 pr dual tires

6702 2 TON SCHOOL BUS FLAT FACE COWL CHASSIS



* - Loaded height with 7.50-20-8 pr dual tires

4-14-50

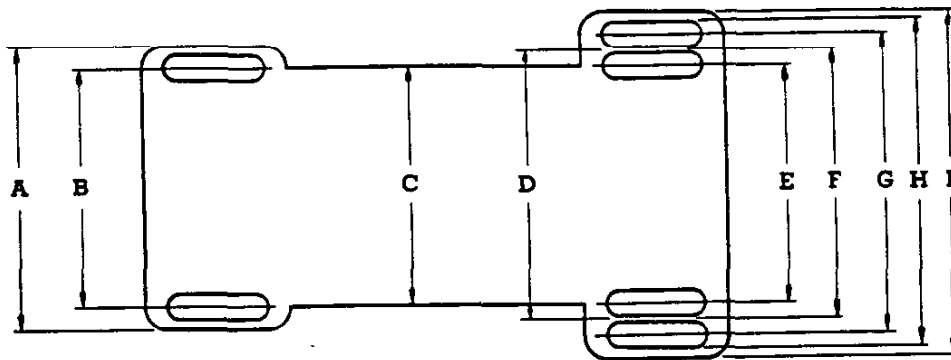


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CHASSIS TREADS AND OVERALL WIDTHS



TIRES	MODELS	A	B	C	D	E	F	G	H	I				
		ACROSS FRONT FENDERS	FRONT WHEEL TREAD	ACROSS RUNNING BOARDS	OVER REAR HUBS OR HUB CAPS	INNER WHEEL TREAD	DUAL MEAN TREAD	OUTER WHEEL TREAD	OVER REAR TIRES	OVER REAR FENDERS				
6.00-15	3100	72-5/8	56-9/16	72-15/16	69-3/4	61			67-3/8	74-7/16				
6.50-16									67-7/8					
6.70-15									68					
15"	3600	72-5/8	57-11/16	72-15/16	70-3/4	62-1/8			69-7/8	74-1/2, 3604				
7.00-17			57						62-3/8		70			
7.50-17			56-1/4						61-3/4		69-5/16			
15"	3700	72-5/8	62	72-15/16	72-1/8	61-3/4			69-3/4	75-1/4 • 3805-07; 74-1/2, 3804				
7.00-17			61-7/16						62-3/8		70			
7.50-17			56-1/4						61-3/4		69-5/16			
7.00-17	3800	72-5/8	56-1/4	72-15/16	70-15/16	54-1/4	63-1/4	72-1/4	69-5/16					
7.50-17									56-3/4		63-1/4	79-13/16		
7.00-18	3802-03-08-09-12		56-3/4		70-15/16	54-1/4	63-1/4	72-1/4	69-5/16					
7.00-17	3900	74-7/8	61-7/16	74-1/16	77-1/4	56-1/2*			69-3/4	75-1/2*				
7.50-17			61-13/16						70-15/16		54-1/4	63-1/4	72-1/4	79-13/16
7.00-18			61-13/16						70-15/16		54-1/4	63-1/4	72-1/4	79-13/16
7.00-20	4100, 4400	74-7/8	56	74-1/16	77-1/4	56-1/2*			64-1/8*	75-3/4*				
6.50-20			56						74-1/16		56-1/2*	66*	75-1/2*	82-3/4*
7.00-20	4502	74-7/8	60	74-1/16	77-1/4	56-1/2*			83-1/8*	75-3/4*				
6.50-20			60						74-1/16		56-1/2*	66*	75-1/2*	82-3/4*
7.00-20	4100, 4400	74-7/8	55-3/4	74-1/16	77-1/4	56-1/4*			83-1/8*	75-3/4*				
7.50-20			55-3/4						74-1/16		56-1/4*	66*	75-1/2*	83-1/8*
8.25-20	5000, 5000S	77-9/16	60-1/4	77-7/16	79-5/8	57-3/4*			84-3/16*	79-1/4*				
7.50-20	6100-6400	74-7/8	58-3/4	74-1/16					77-1/4		56-1/2*	66*	75-1/2*	87-3/4*
8.25-20	6100S-6400S			74-7/8	58-3/4	74-1/16	79-5/8	57-3/4*			88-1/4*	79-1/4*		
7.50-20	6702	77-9/16	59-1/2@								77-7/16		79-5/8	57-3/4*
8.25-20				6702	77-9/16	59-1/2@	77-7/16	79-5/8	57-3/4*					
9.00-20	5000, 5000S	77-9/16	59-1/2@	77-7/16	74-1/16	57*			80*	89-3/4*				
6100, 6400	74-7/8	58@	74-1/16	74-1/16					57*				80*	89-3/4*
6100S, 6400S					74-7/8	58@	74-1/16	74-1/16		57*				

* - Treads are for vehicles equipped with forged hubs; add 1/2" when cast hubs are used.

@ - Front wheel tread when 6.5 wheels are used with 8.25-20 tires on front, and 9.00-20 tires on rear.

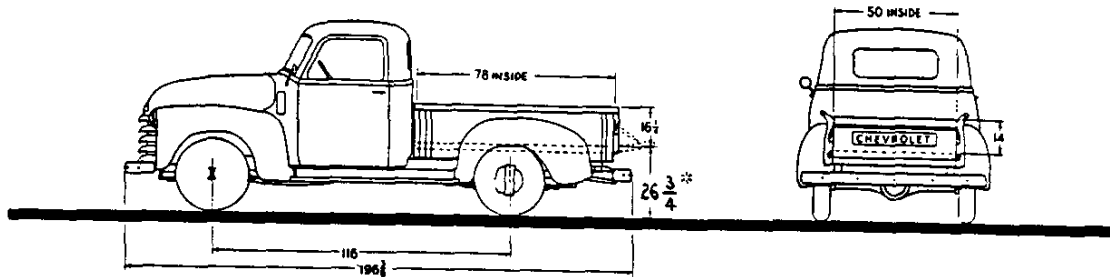
4-14-50. Revised: 7-17-50, • - Dimension corrected.





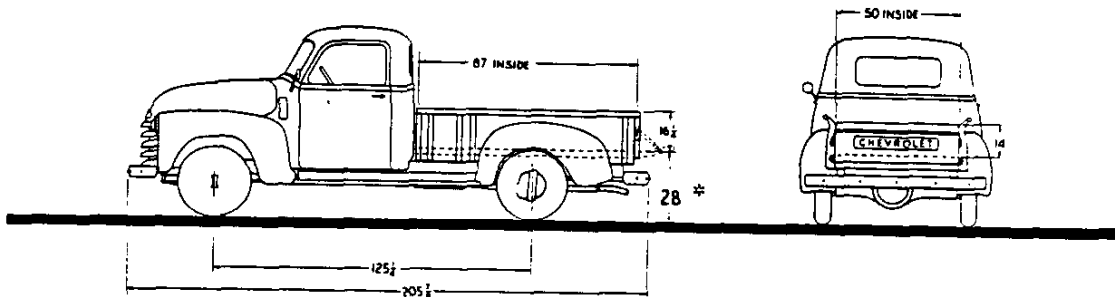
BODY DIMENSIONS

3104 1/2 TON PICKUP TRUCK



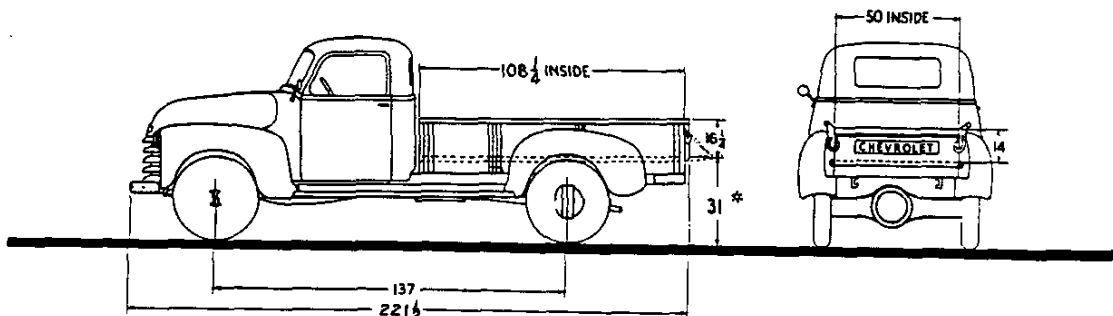
*-Loaded height with 6.00-16-6 pr tires

3604 3/4 TON PICKUP TRUCK



*-Loaded height with 15"-6 pr tires

3804 1 TON PICKUP TRUCK



*-Loaded height with 7.00-17-6 pr tires

CONTINUED

4-14-50

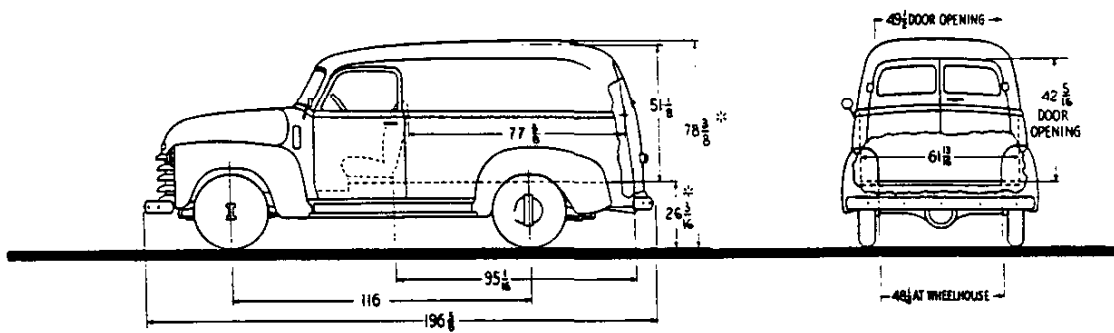
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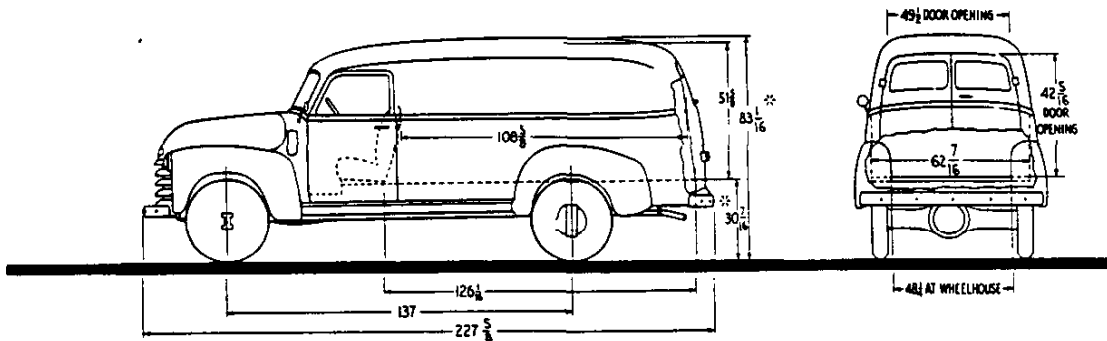
BODY DIMENSIONS—Continued

3105 1/2 TON PANEL TRUCK



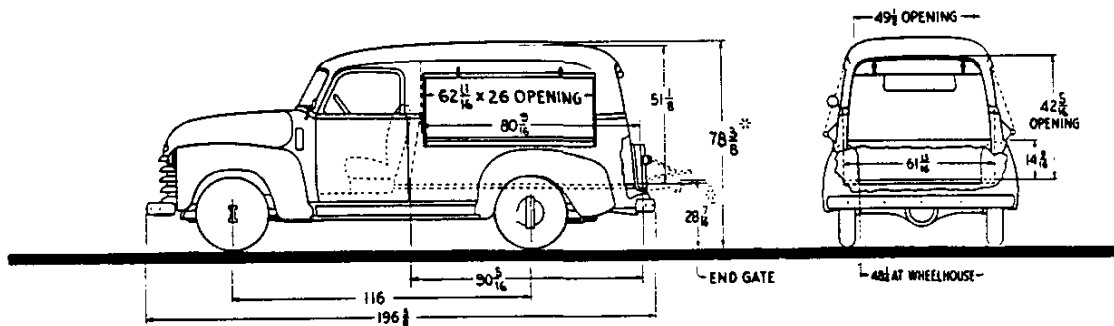
*-Loaded height with 6.00-16-6 pr tires SEAT IN FORWARD POSITION

3805 1 TON PANEL TRUCK



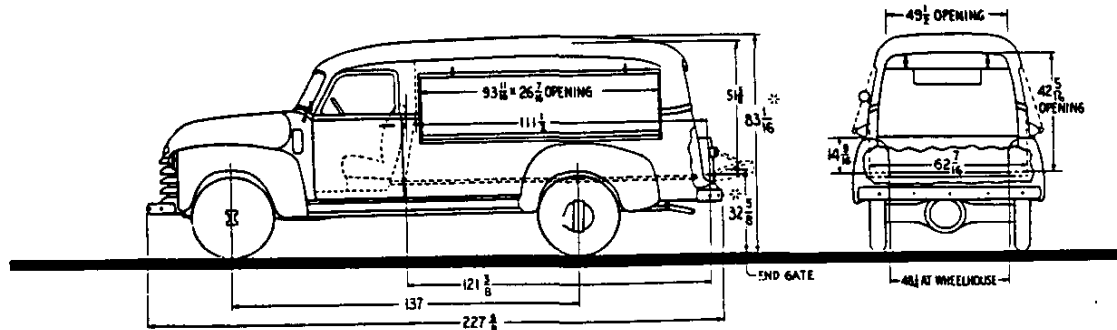
*-Loaded height with 7.00-17-6 pr tires SEAT IN FORWARD POSITION

3107 1/2 TON CANOPY EXPRESS TRUCK



*-Loaded height with 6.00-16-6 pr tires SEAT IN FORWARD POSITION

3807 1 TON CANOPY EXPRESS TRUCK



*-Loaded height with 7.00-17-6 pr tires SEAT IN FORWARD POSITION

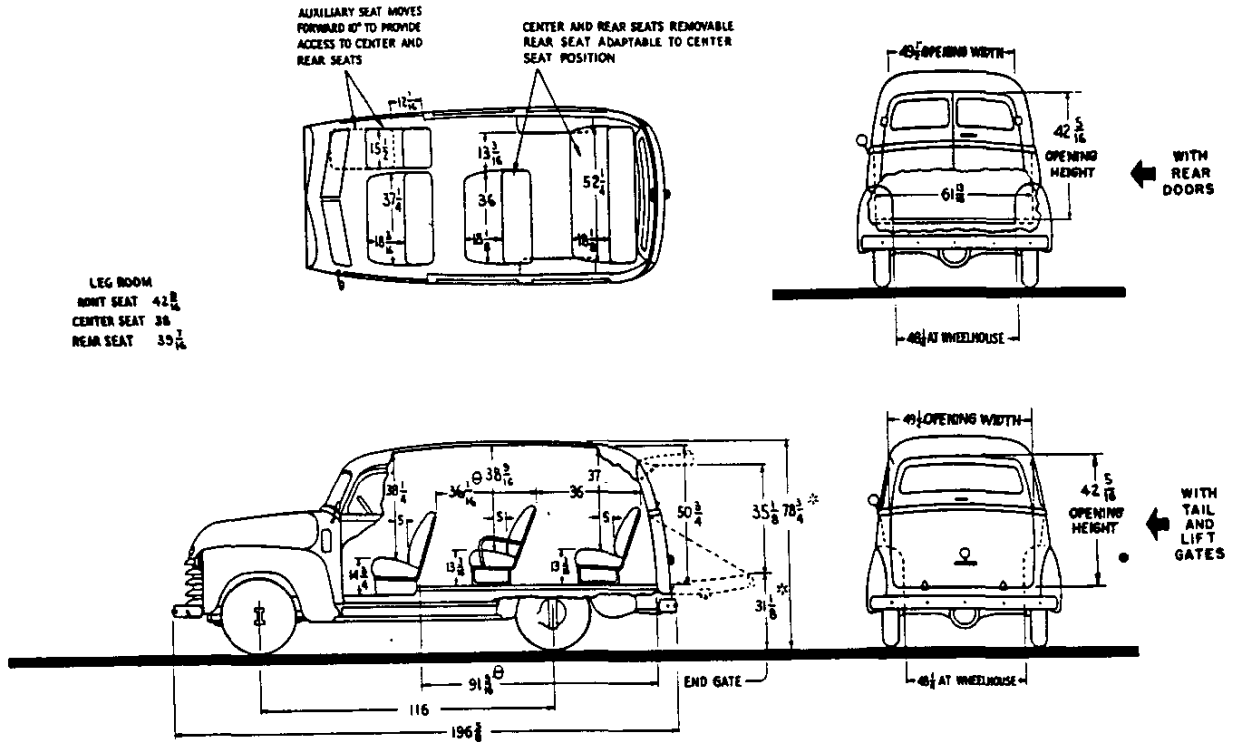
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4-14-50



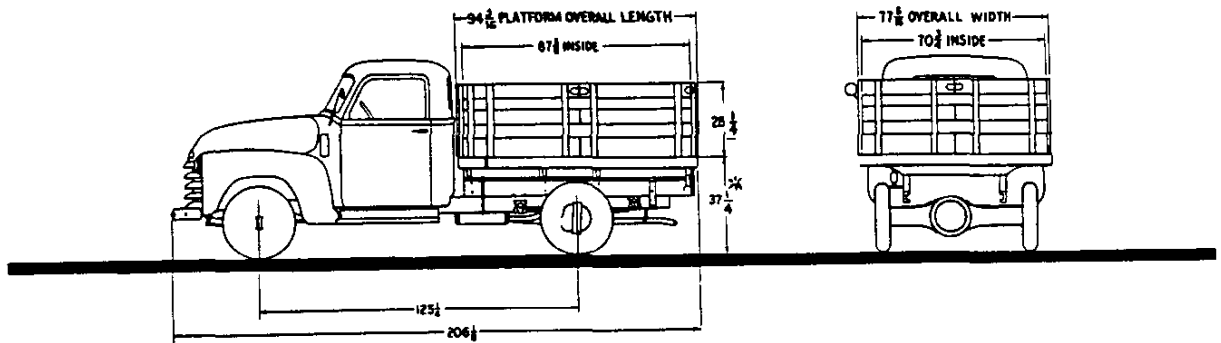
BODY DIMENSIONS—Continued

3106 1/2 TON SUBURBAN CARRYALL - PANEL REAR DOORS
 3116 1/2 TON SUBURBAN CARRYALL - END GATES



* - Loaded height with 6.00-16-6 pr tires
 @ - Dimensions measured with front seat in rear position. Seat adjustment 3".

3608 3/4 TON PLATFORM TRUCK
 3609 3/4 TON STAKE TRUCK



* - Loaded height with 15"-6 pr tires

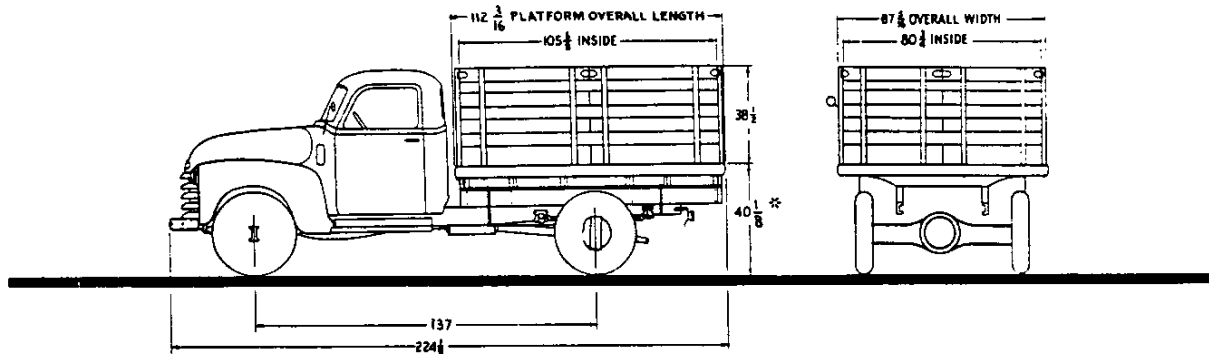
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4-14-50. Revised: 7-17-50, e - The figure "6" removed.



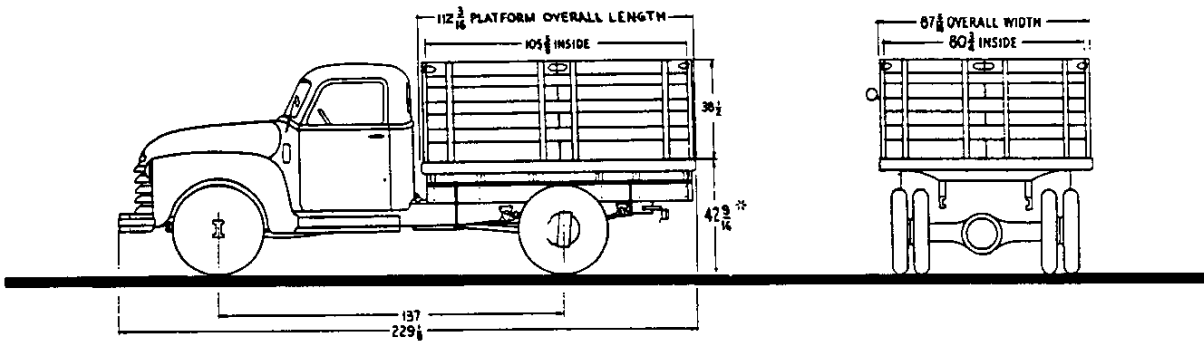
BODY DIMENSIONS—Continued

3808 1 TON PLATFORM TRUCK
3809 1 TON STAKE TRUCK



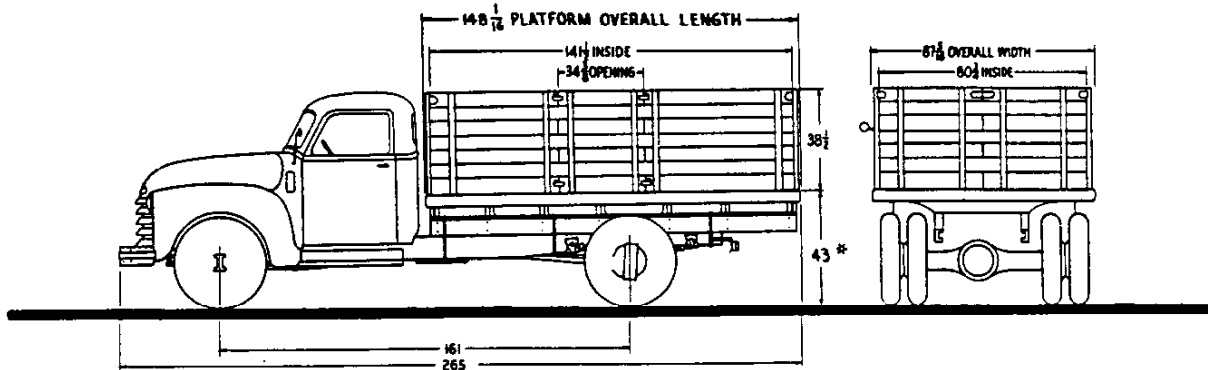
* - Loaded height with 7.00-17-6 pr tires

4108 1-1/2 TON PLATFORM TRUCK
4109 1-1/2 TON STAKE TRUCK



* - Loaded height with 6.50-20-6 pr dual tires

4408 1-1/2 TON PLATFORM TRUCK
4409 1-1/2 TON STAKE TRUCK



* - Loaded height with 6.50-20-6 pr dual tires

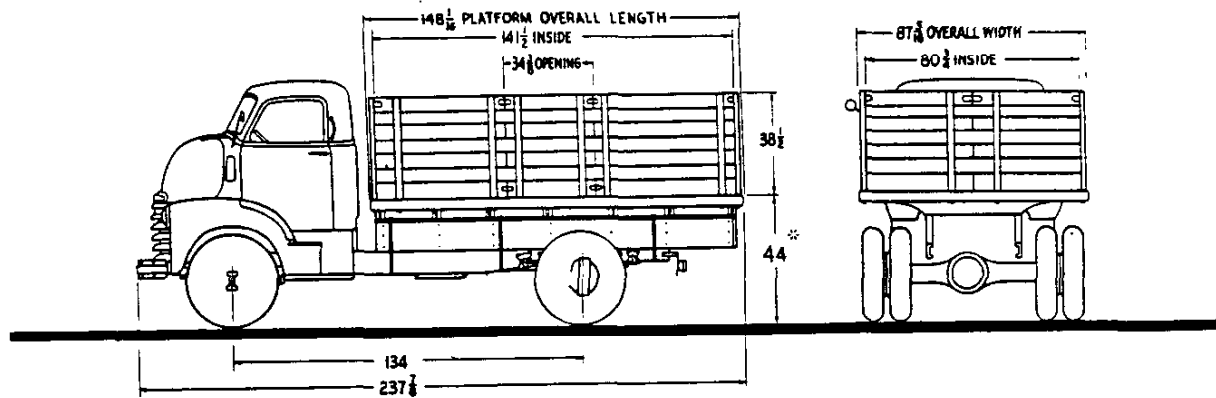
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4-14-50



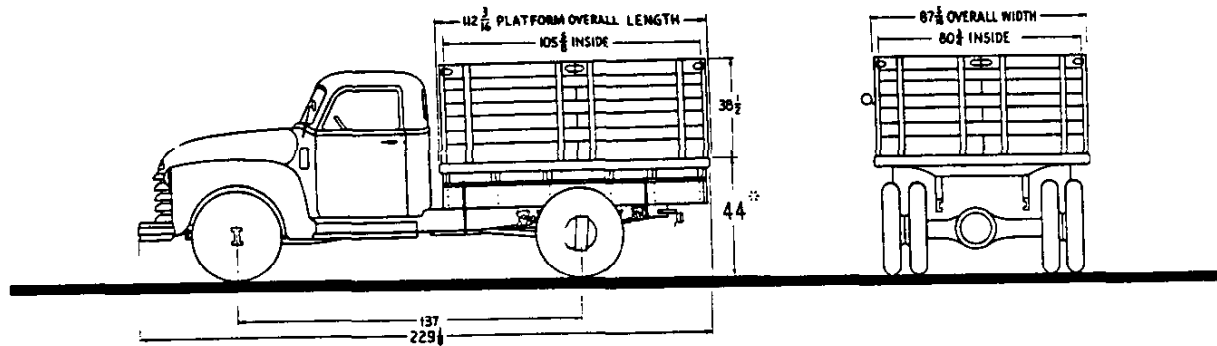
BODY DIMENSIONS—Continued

540BS 1-1/2 TON SPECIAL AND 5408 2 TON COE PLATFORM TRUCKS
 5409S 1-1/2 TON SPECIAL AND 5409 2 TON COE STAKE TRUCKS



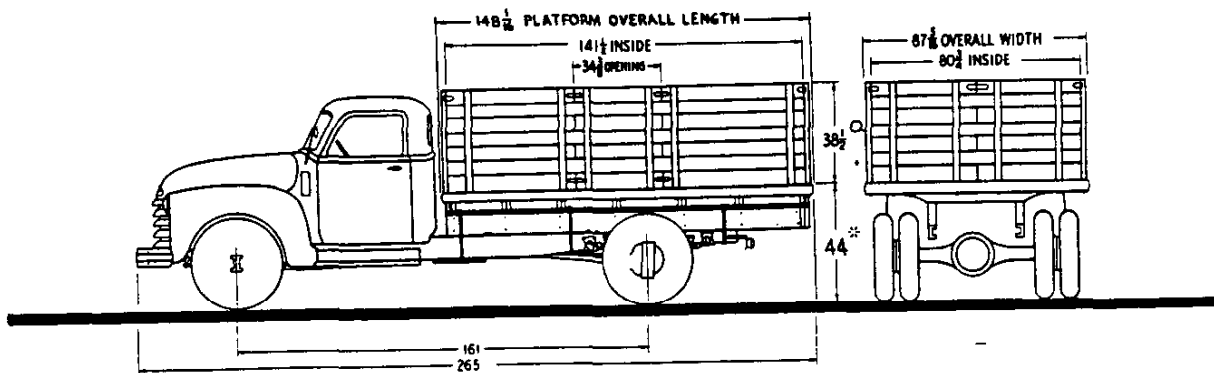
*-Loaded height with 7.50-20-8 pr dual tires

610BS 1-1/2 TON SPECIAL AND 6108 2 TON PLATFORM TRUCKS
 6109S 1-1/2 TON SPECIAL AND 6109 2 TON STAKE TRUCKS



*-Loaded height with 7.50-20-8 pr dual tires

640BS 1-1/2 TON SPECIAL AND 6408 2 TON PLATFORM TRUCKS
 6409S 1-1/2 TON SPECIAL AND 6409 2 TON STAKE TRUCKS



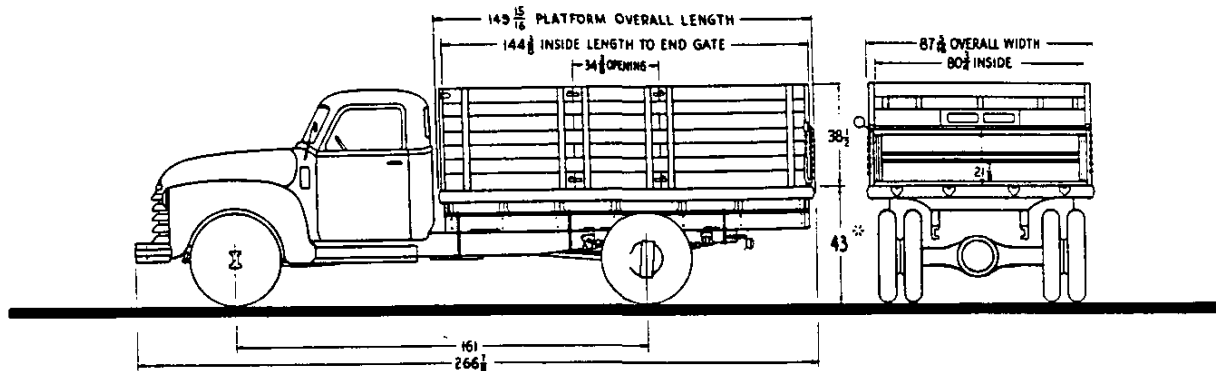
*-Loaded height with 7.50-20-8 pr dual tires

CONTINUED

4-14-50

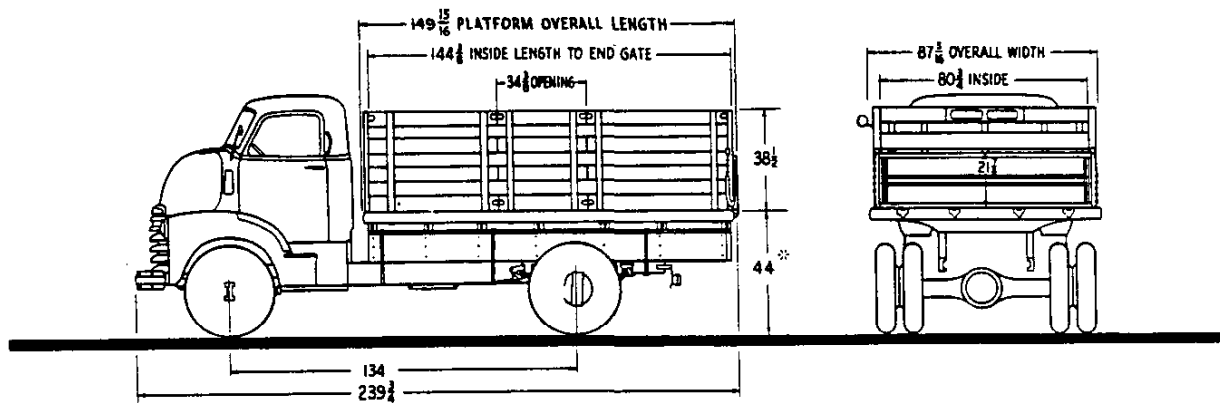
BODY DIMENSIONS—Continued

4418 1-1/2 TON EXPRESS PLATFORM TRUCK
 4429 1-1/2 TON EXPRESS STAKE TRUCK



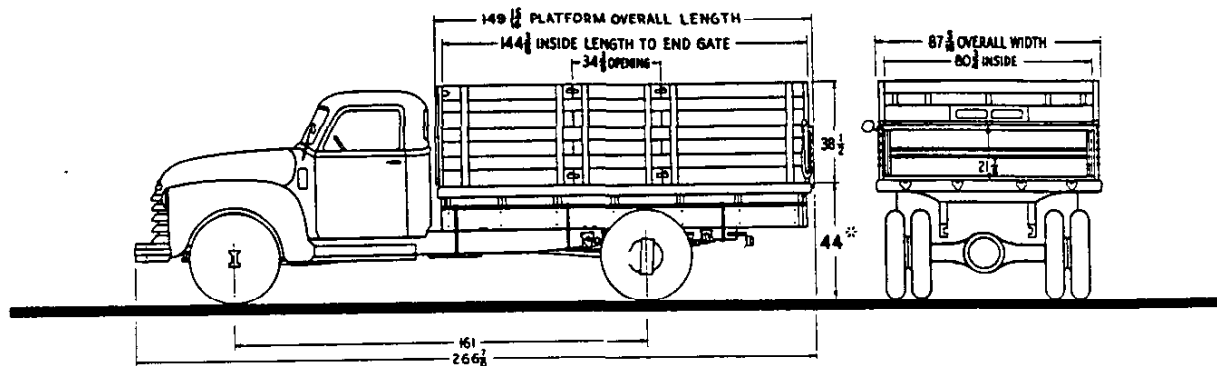
*-Loaded height with 6.50-20-6 pr dual tires

5418S 1-1/2 TON SPECIAL AND 5418 2 TON COE EXPRESS PLATFORM TRUCKS
 5429S 1-1/2 TON SPECIAL AND 5429 2 TON COE EXPRESS STAKE TRUCKS



*-Loaded height with 7.50-20-8 pr dual tires

6418S 1-1/2 TON SPECIAL AND 6418 2 TON EXPRESS PLATFORM TRUCKS
 6429S 1-1/2 TON SPECIAL AND 6429 2 TON EXPRESS STAKE TRUCKS



*-Loaded height with 7.50-20-8 pr dual tires

CONTINUED

4-14-50

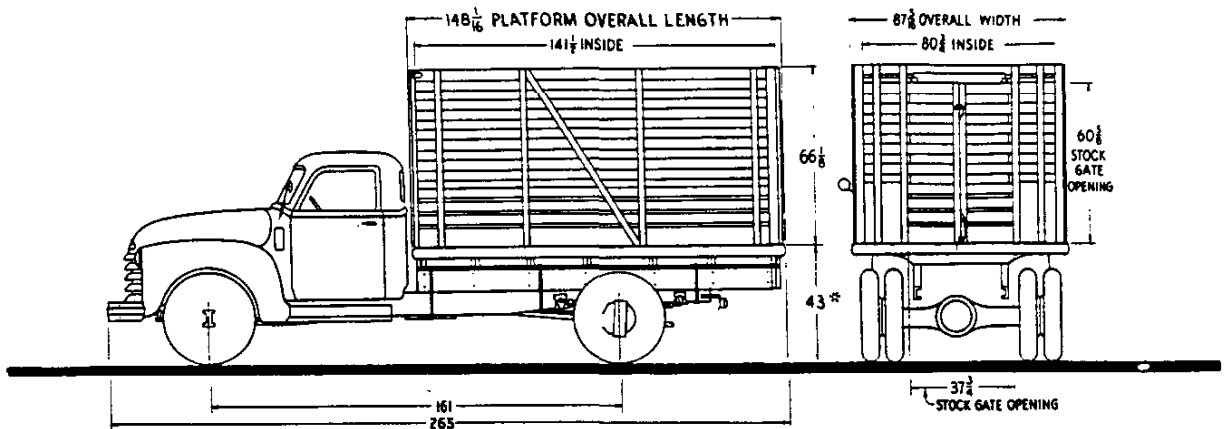
CHEVROLET 1950 SPECIFICATIONS—TRUCKS

BODY DIMENSIONS-66



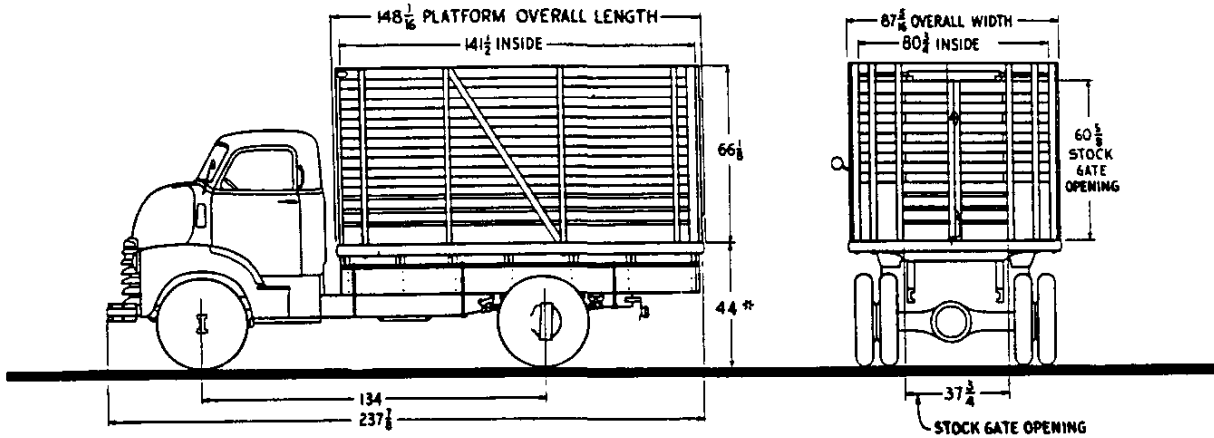
BODY DIMENSIONS—Continued

4419 1-1/2 TON HIGH RACK (STOCK) TRUCK



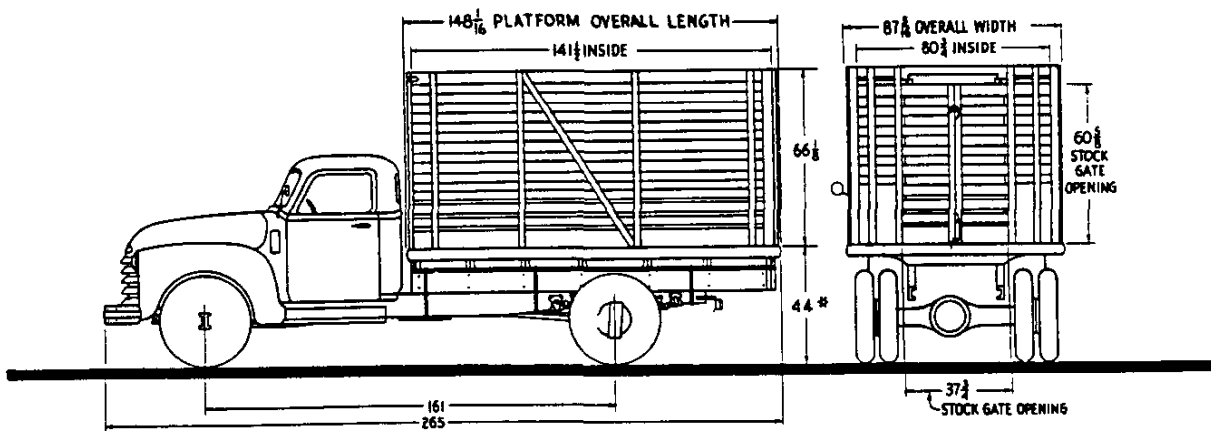
* - Loaded height with 6.50-20-6 pr dual tires

5419S 1-1/2 TON SPECIAL AND 5419 2 TON COE HIGH RACK (STOCK) TRUCKS



* - Loaded height with 7.50-20-8 pr dual tires

6419S 1-1/2 TON SPECIAL AND 6419 2 TON HIGH RACK (STOCK) TRUCKS



* - Loaded height with 7.50-20-8 pr dual tires

4-14-50



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EXTERIOR COLORS AND FINISHES

ITEM		BASIC AND DECORATIVE FINISHES		
		Suburban Carryall	Other Conventional Trucks	Cab-Over-Engine Trucks
Bumpers	Commercial	Chrome plated		
	Heavy Duty			Anvil Gray Baking Dulux
Gravel deflectors				Forester Green Baking Dulux
Reg rad grille	Bar assys	Outer	Chrome plated	
		Inner		Waldorf White Baking Dulux
RPO rad grille @	Bar assys	Outer	Chrome plated @	
		Inner		Waldorf White Baking Dulux
Hood	Hood and molding			Forester Green Baking Dulux
	Exposed hinges			Chrome plated
	Em-blem	Trade mark		Cloisbonne Blue Metallic Baking Dulux
		Stripes & letters		Vermilion Baking Dulux "CHEVROLET"
		Background		Chrome plated
	Name plate			Raised chrome letters, "CHEVROLET", on chrome bar
	Series designation plate			Raised chrome numbers, "3100", "3600", etc on chrome bar (See page 69)
Head-lamps	Rims		Chrome plated	
	Doors			
Fenders	Fenders proper			Forester Green Baking Dulux
	Anti-squeak			Black enameled bead
	Fender step panel			Forester Green Bak Dul
	Fender scuff mat			Black rubber
	RPO moldings *			Polished stainless steel (Panel Trucks only)
Regular wheels			Forester Green	Black Baking Dulux
Hub caps (see page 69)			Chrome plated.	Vermilion Baking Dulux letters
RPO wheels *	Wheels proper		With hub caps, body color; all others, black	
	Striping (see page 69)	15"rims	No stripes (15" tires)	
		16"rims	3 stripes (6.70-15 tires)	
		17"rims	3 stripes	
Cab or single unit body proper including the belt molding				Forester Green Baking Dulux
Cab or single unit body striping on belt molding				One stripe of Cream Medium Striping Duco
Wind-shield	Seal			Black rubber
	Reveal molding		Polished stainless steel	Polished stainless steel *
	Divider bar		Polished stainless steel	
	Wipers		Chrome plated rods and bars, stainless steel optional	
Rear view mirror	Arm			Black Baking Dulux
	Mirror case			
Side door window reveals	Regular			Forester Green Baking Dulux
	RPO *			Polished stainless steel
Side door handles and lock				Chrome plated
Side door hinges				Forester Green Eak Dulux
Assist handles				Chrome plated
Side window divider bars			Chrome plated	
Rear window seal				Black rubber
RPO rear door window reveals *				Polished stainless steel (Panel Trucks only)

* - Part of RPO 390 De Luxe Equipment.

@ - RPO 386 Radiator Grille Equipment or RPO 390 De Luxe Equipment.

⊕ - Used on 3100 (except 3106-16) 3600 and 3800.

CONTINUED

4-14-50

EXTERIOR COLORS AND FINISHES—Continued

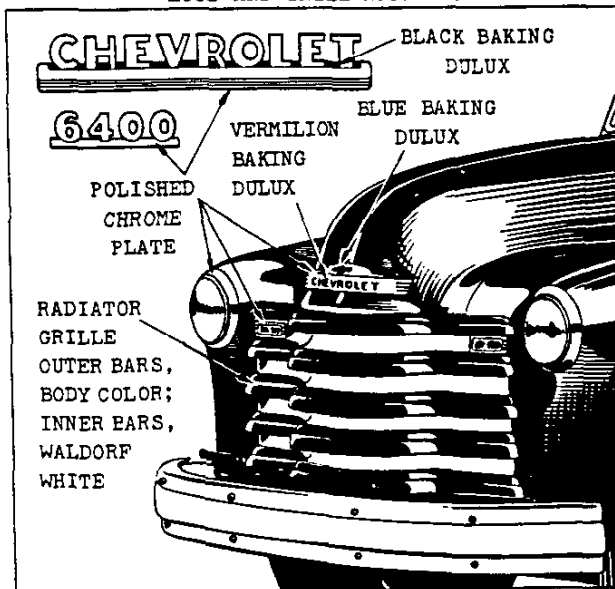
ITEM	BASIC AND DECORATIVE FINISHES		
	Suburban Carryall	Other Conventional Trucks	Cab-Over-Engine Trucks
Cab rear corner window seals *		Black rubber	
Running boards	Black Baking Dulux		Black rubber mats
Running board aprons			Forester Green Bak Dulux
Gasoline tank	Tank proper	Chassis Black Enamel	
	Filler neck		
	Filler neck seal		
	Cap		
Pickup box and aprons		Forester Green Bak Dulux	
Stake, Express Stake, and Stock body racks		Forester Green Air Dry Dulux	
Platform	Rub rail	Black Air Dry Dulux	
	Load space		
	Underbody		
Tail and stop lamp	Lens	Red plastic	
	Body	Single unit bodies, body color; all others black	
	Rim	Polished chrome plating	

* - RPO 390 De Luxe Equipment

PAINT COLOR COMBINATIONS

Regular or RPO	Basic Color (Baking Dulux)	Striping Color (Duco)
Regular	Forester Green	Cream Medium
RPO 234	Swift Red	Argent Silver
	Armour Yellow	Black
	White	Emerald Green
	Jet Black	Argent Silver
	Omaha Orange	Black
	Cape Maroon	Gold
	Mariner Blue	Cream Medium
	Windsor Blue	
	Seacrest Green	Totem Scarlet
	Sun Biege	
	Cream Medium	

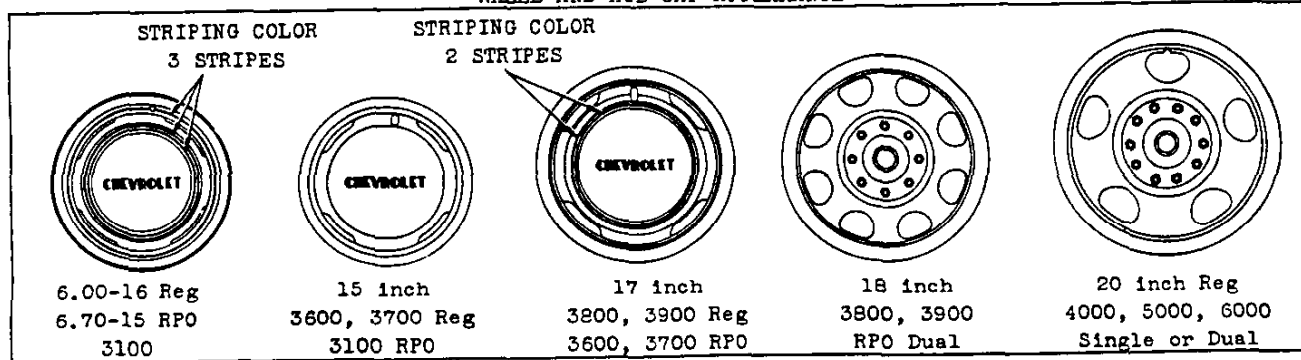
HOOD AND GRILL APPEARANCE



TYPES OF PAINT

Baking Dulux ----- Baking enamel
 Duco ----- Striping lacquer
 Air Dry Dulux ----- Air drying enamel

WHEEL AND HUB CAP APPEARANCE



4-14-50



1

2

3

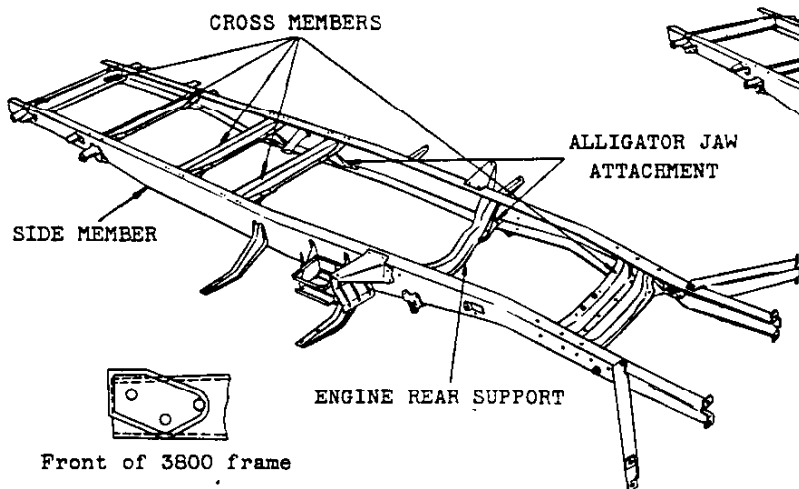
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5

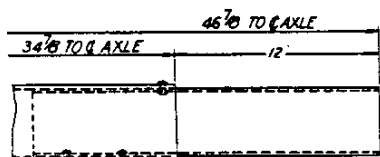


FRAME

CONVENTIONAL TYPE OF FRAME

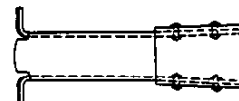
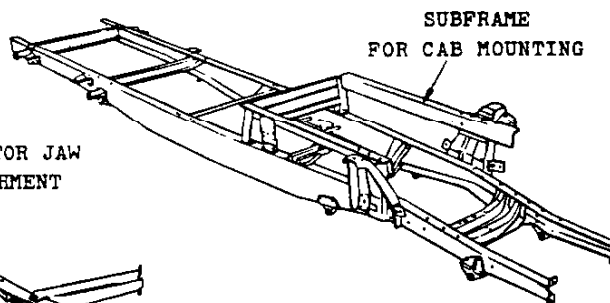


Front of 3800 frame

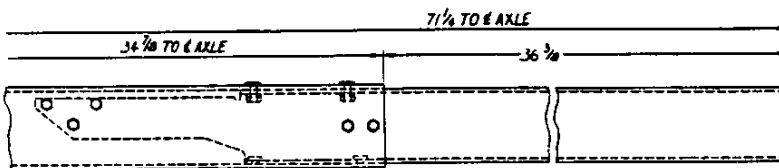


Same rear extension on 3800 except 3808-09

CAB-OVER-ENGINE TYPE OF FRAME

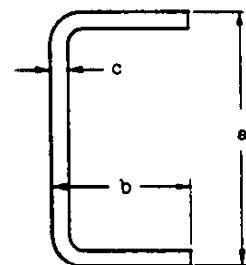


Front of 4100 frame showing extension



Frame rear extension on 4502

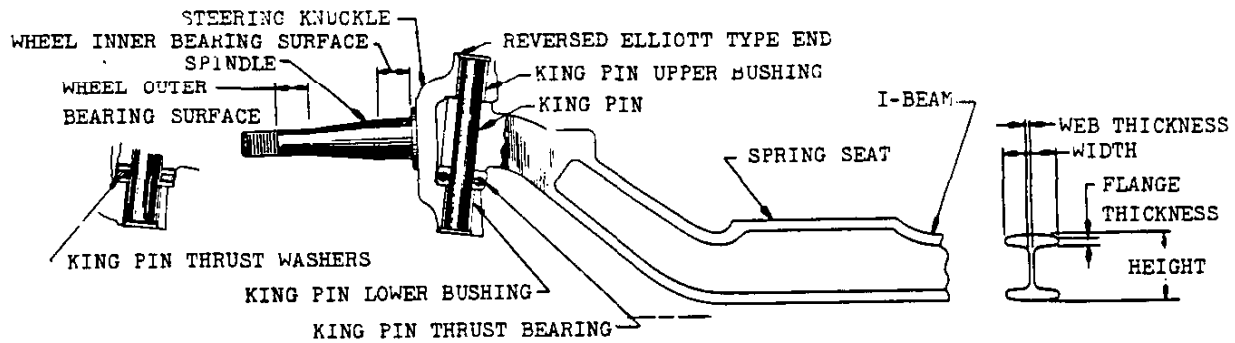
MODEL		Wheel-base	Frame overall length*	Width over side members	Number of cross members ⊕	Section modulus ⊗	Frame type ----- Ladder																											
CONVENTIONAL	3100	116	173-1/8	46-1/32 at rear	5	2.46	Side member data: Section type ----- Channel Kickup height, at rear axle ----- ----- 4 on 3100; 1-3/4 on 3600, 3700 Material --- Hot rolled steel, pickled Yield point ----- 39000 PSI (min) Elongation ----- 25% in two inches																											
	3600	125-1/4	182-5/16	36		3.25																												
	3700		195-5/16																															
	3800	137	213 ⊕		5	5.52																												
	3900		214-5/8																															
	4100	161	209-7/16		6	8.80																												
	4400		233-7/16																															
	6100 ⊗		209-7/16 ⊕																															
6400	161	233-7/16 ⊕	6		8.80																													
4502		269-3/4		8																														
SUBS	6702	199	330-3/4	36-1/16	9	9.60	<table border="1"> <thead> <tr> <th rowspan="2">SERIES</th> <th colspan="3">Max sectional dimensions</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> </tr> </thead> <tbody> <tr> <td>3100</td> <td>5-3/4</td> <td>2-1/4</td> <td>9/64</td> </tr> <tr> <td>3600, 3700</td> <td>5-27/32</td> <td>2-1/4</td> <td>3/16</td> </tr> <tr> <td>3800, 3900, 4100</td> <td>7</td> <td>2-3/4</td> <td>7/32</td> </tr> <tr> <td>4400, 4500, 5000, 6100, 6400 ⊗</td> <td>8-7/8</td> <td>2-7/8</td> <td>1/4</td> </tr> <tr> <td>6700</td> <td>8-15/16</td> <td>2-29/32</td> <td>9/32</td> </tr> </tbody> </table>	SERIES	Max sectional dimensions			a	b	c	3100	5-3/4	2-1/4	9/64	3600, 3700	5-27/32	2-1/4	3/16	3800, 3900, 4100	7	2-3/4	7/32	4400, 4500, 5000, 6100, 6400 ⊗	8-7/8	2-7/8	1/4	6700	8-15/16	2-29/32	9/32
	SERIES	Max sectional dimensions																																
a		b	c																															
3100	5-3/4	2-1/4	9/64																															
3600, 3700	5-27/32	2-1/4	3/16																															
3800, 3900, 4100	7	2-3/4	7/32																															
4400, 4500, 5000, 6100, 6400 ⊗	8-7/8	2-7/8	1/4																															
6700	8-15/16	2-29/32	9/32																															
COE	5100	110	182-7/16 ⊕	36	5	8.80																												
	5400	134	206-7/16 ⊕																															
	5700	158	230-7/16 ⊕																															



* - Length includes front or rear extensions when specified. ⊗ - Inches cubed per side member.
 ⊕ - Except 3808-09 which are 201 (no frame extension). ⊗ - Used on 4100 with Heavy Duty Equipment.
 ⊕ - Structural cross members: Those which are so attached as to resist torsional frame stresses.
 ⊕ - When 9.00-20 tires are specified, add 12 inches for frame extension. •

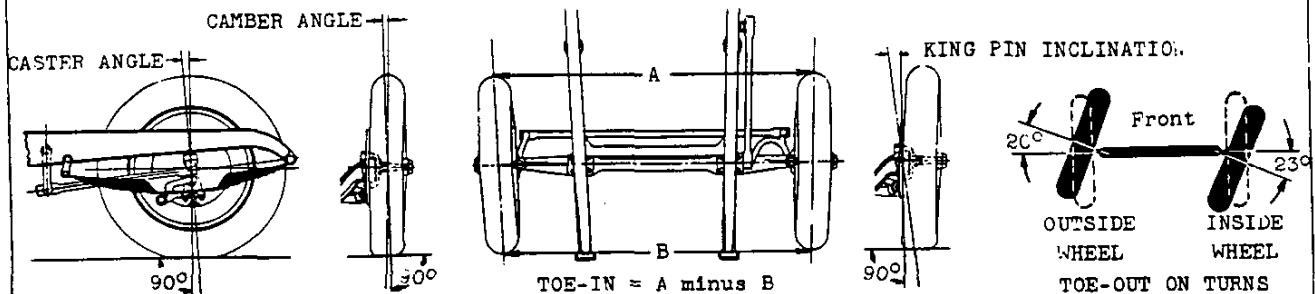
4-14-50. Revised: 7-17-50, • - Data added.

FRONT AXLE



ITEM	3100	3600	3800 4100,4400	3700 3900	4500,6000	5000
Type	Reversed Elliott (modified I-beam section)					
Rated capacity (pounds)	2200	2500	3500		4500	
I-beam (average dimensions)	Height	2-1/8	2-1/4		2-1/2	2-5/8
	Width	1-3/4			2	
	Flange thickness	1/4	5/16		7/16	
	Web thickness	1/4	11/32		1/4	3/8
	Section modulus	70 in. cubed	1.14 in. cubed	1.48 in. cubed	1.61 in. cu.	
King pin	Diameter	.8660-.8665	.9210-.9214		1.1090-1.1094	
	Bush- ing	Floating		Pressed into steering knuckle		
	Length x I D	1-5/16 x .867-.868	1-17/64x.922-.923		1-25/64 x 1.110-1.111	
King pin thrust bearing	Type	Anti-friction bearings---See page 101				Copper and steel washers
	Diameter	Inside				1.130-1.135 across flats
	Outside					2-1/16
Spindle diameter	At inner bearing	1.2801-1.2806	1.4051-1.4056		1.7493-1.7498	
	At outer bearing	.7490 - .7495	.8427 - .8432		1.0293-1.0298	
Front wheel bearings	Anti-friction bearings---See page 101					

FRONT WHEEL ALIGNMENT

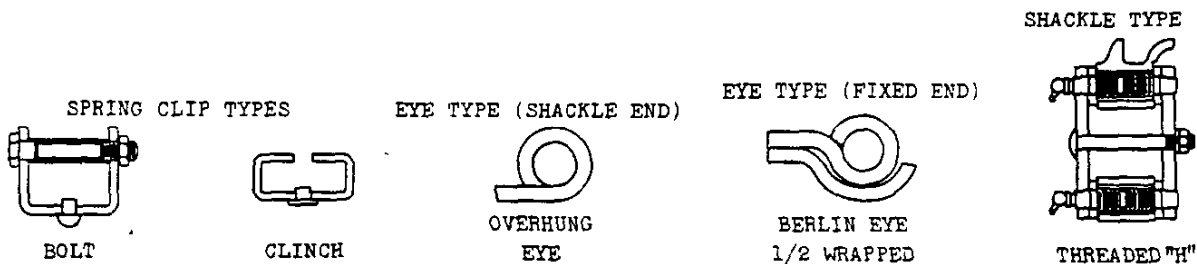
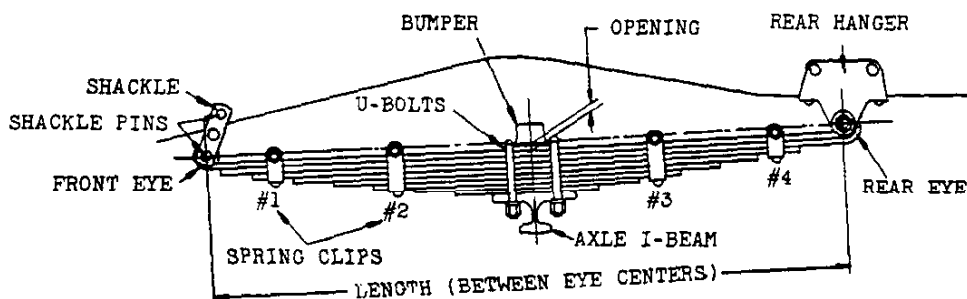


ITEM	3100	3600	3700	3900	3800 4000,6000	5000
King pin inclination	6° 10'-8° 10'					
Camber	0° 30'-1° 30'					
Caster at design load	1° 15'-2° 15'	2°-3°	2° 45'-3° 45'	1° 45'-2° 45'	2° 15'-3° 15'	2° 30'-3° 30'
Toe-in	1/16 to 3/16		1/16 to 1/4			
Toe-out on turns	Outside wheel	20°				
	Inside wheel	21°-25°				

4-14-50



FRONT SUSPENSION

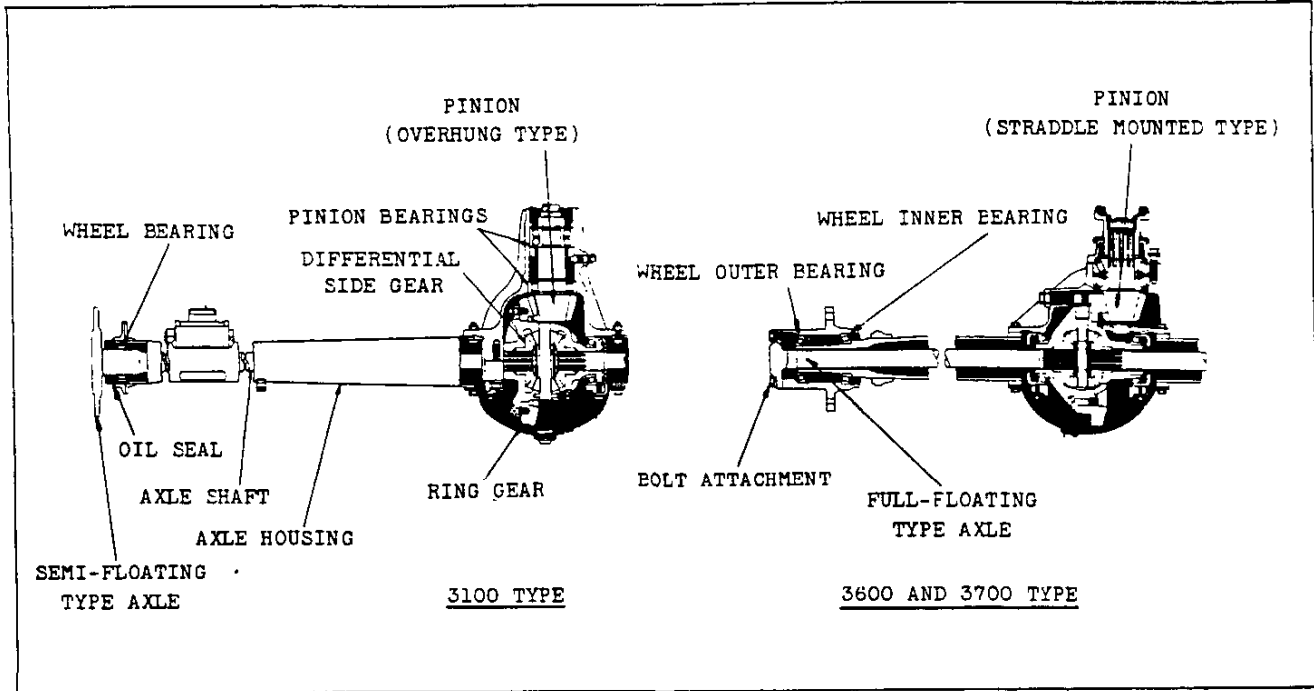


ITEM		3100	3600	3700 3900	3800	4100 4400	4502 6000	5100	5400 5700	
Springs	Type	Semi-elliptic								
	L Material	Chrome carbon steel								
	E Number	8		7		9		11		
	A Thickness	#1,2,3,4,5		#6,7		#8		#9		
	V (leaves numbered from top to bottom)	#10,11		Total		1.896		2.328		
	Load in pounds at opening height	810 to 890 @ 1/2		1215 to 1335 @ 7/8		950 to 1050 @ 1-3/16		1475 to 1625 @ 39/64		1800 to 1980 @ 1-7/8
	Average rate of deflection (pounds per inch)	315		575		475		640		780
	Capacity at ground (pounds)	1000		1050		1700		1600		2200
	Length x width	38 x 1-3/4		40 x 2		40 x 2		40 x 2		40 x 2
	Spring clip type (see figure)	#1	Clinch		Bolt		Bolt		Bolt	
Spring mountings	Shackle end	Located at	Front		Rear		Front		Rear	
		Pin, type & dia	Threaded "H", .6595 - .6645 - 11 thread							
	Fixed end	Bushing	Plain 7/8 O D							
		Bolt size	11/16 O D x 3-3/16		11/16 O D x 3-7/16					
		U-bolt diameter	1/2		9/16				5/8	
		Bumper	Rubber, mounted on top of spring main leaf at center bolt							
	Spring mounting angle	7°50' included angle								
	Spring center-to-center	26-13/16 (measured on axle I-beam)								
Shock absorbers (hydraulic)	Type	Reg equip, direct double acting				RPO, cam and lever double acting				
	Model	1052M				1730B		1730C		
	Valve code	4J6/J1				G2 Compression 2R Rebound				
	Piston diameter	1				1-1/2				
Ride stabilizer		On models 3102-05-06-12-16, 3742, 3942. Frame to front springs								

4-14-50



REAR AXLE



ITEM		3100		3600		3600 RPO		3700	
Type		Semi-floating				Full-floating			
Rating (pounds)		3300				5000			
Housing type		Pressed steel banjo, Two piece welded				Banjo, welded or seamless steel tube			
Final gears	Type	Spiral Hypoid							
	Ratio	4.11:1		4.57:1		5.14:1			
	Teeth	37 & 9		32 & 7		36 & 7			
Gear backlash		.005-.008							
Pinion	Mounting	Overhung				Straddle			
	Adjustment	Shim and collar				Shims			
	Thrust	Against pinion front bearing							
Total gear reduction *	Transmission	3-speed	4-speed	3-speed	4-speed	3-speed	4-speed	3-speed	4-speed
	First	12.08	29.02	13.44	32.26	15.11	36.29	15.11	36.29
	Second	6.90	14.71	7.68	16.36	8.64	18.40	8.64	18.40
	Third		7.03		7.81		8.79		8.79
	Direct drive	4.11		4.57		5.14		5.14	
Reverse	12.08	27.87	13.44	30.98	15.11	34.85	15.11	34.85	
Axle shaft torque (ft lb)Ⓜ	First	1746	2656 Ⓞ	1942	4662	2183	5244	2260	5429
	Second	997	2126	1110	2364	1248	2659	1293	2753
	Third		1016		1129		1270		1315
	Direct drive	629		699		786		814	
Reverse	1746	2656 Ⓞ	1942	4477	2183	5036	2260	5214	
Lubricant capacity		4-1/2 pints				6 pints			
Differential type		Two pinion				Four pinion			
Axle shaft	Type	Shaft and drive flange integrally forged							
	Minimum dia	1-5/32				1-11/32			
	Hub attachment	Integral				Bolted			
Drive taken through		Springs				Springs (Hotchkiss)			
Torque taken through		Torque tube							
Anti-friction bearings		See page 101							

* - Axle ratio x transmission ratio.

Ⓞ - Maximum capacity of shafts.

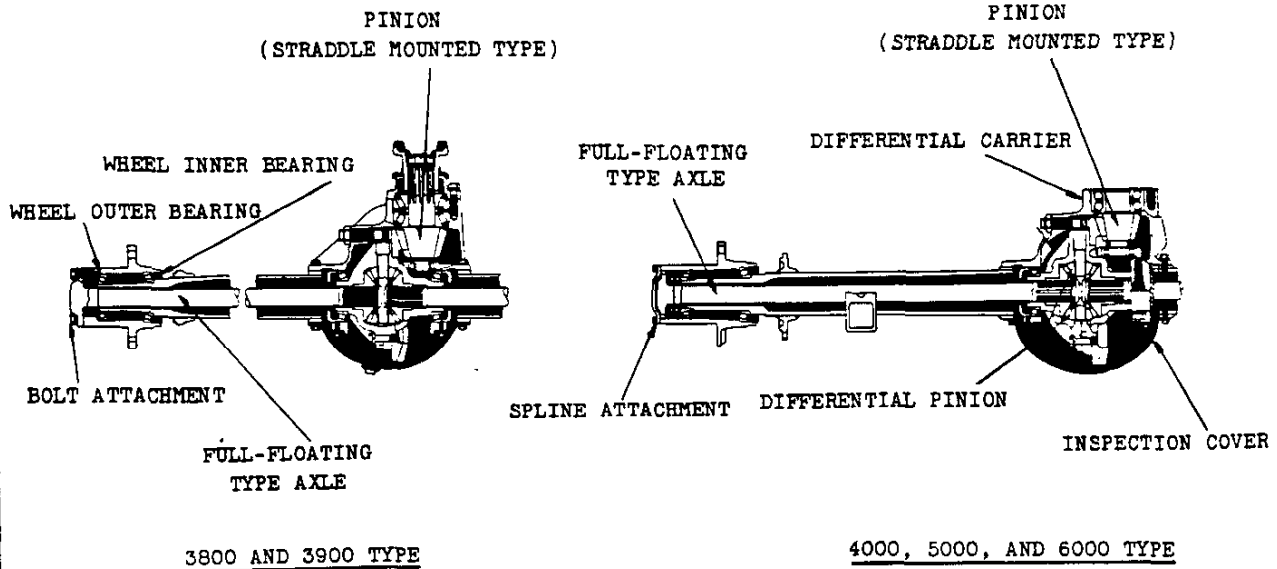
Ⓜ - Gear reduction x engine maximum net torque x efficiency factor (.90 in direct drive, .85 all others).

CONTINUED

4-14-50



REAR AXLE—Continued



ITEM	3800	3900	4000 RPO	4000	5000	6000	
Type	Full-floating						
Rating (pounds)	7200		10500		13000		
Housing type	Banjo, welded or seamless steel tube						
Final gears	Type	Spiral Hypoid					
	Ratio	5.14:1	5.43:1	6.17:1			
	Teeth	36 & 7	38 & 7	37 & 6			
Gear backlash	.005-.008						
Pinion	Mounting	Straddle					
	Adjustment	Shims		None			
	Thrust	Against pinion front bearing					
Total gear reduction *	Transmission	4-speed		4-speed	4-speed		
	First	36.29		38.34	43.56		
	Second	18.40		19.44	22.09		
	Third	8.79		9.29	10.55		
	Direct drive	5.14		5.43	6.17		
	Reverse	34.85		36.82	41.83		
Axle shaft torque (ft lb) Ⓞ	First	5244	5429	5540	6294	6924	6887
	Second	2659	2753	2809	3192	3511	3492
	Third	1270	1315	1342	1524	1677	1668
	Direct drive	786	814	831	944	1038	1033
	Reverse	5036	5214	5320	6044	6649	6613
Lubricant capacity	6 pints		11 pints		12 pints		
Differential type	Four pinion						
Axle shaft	Type	Shaft and drive flange integrally forged					
	Minimum dia	1-11/32		1-7/16		1-9/16	
	Hub attachment	Bolted		Splined			
Drive taken through	Springs (Hotchkiss)						
Torque taken through	Springs (Hotchkiss)						
Anti-friction bearings	See page 101						

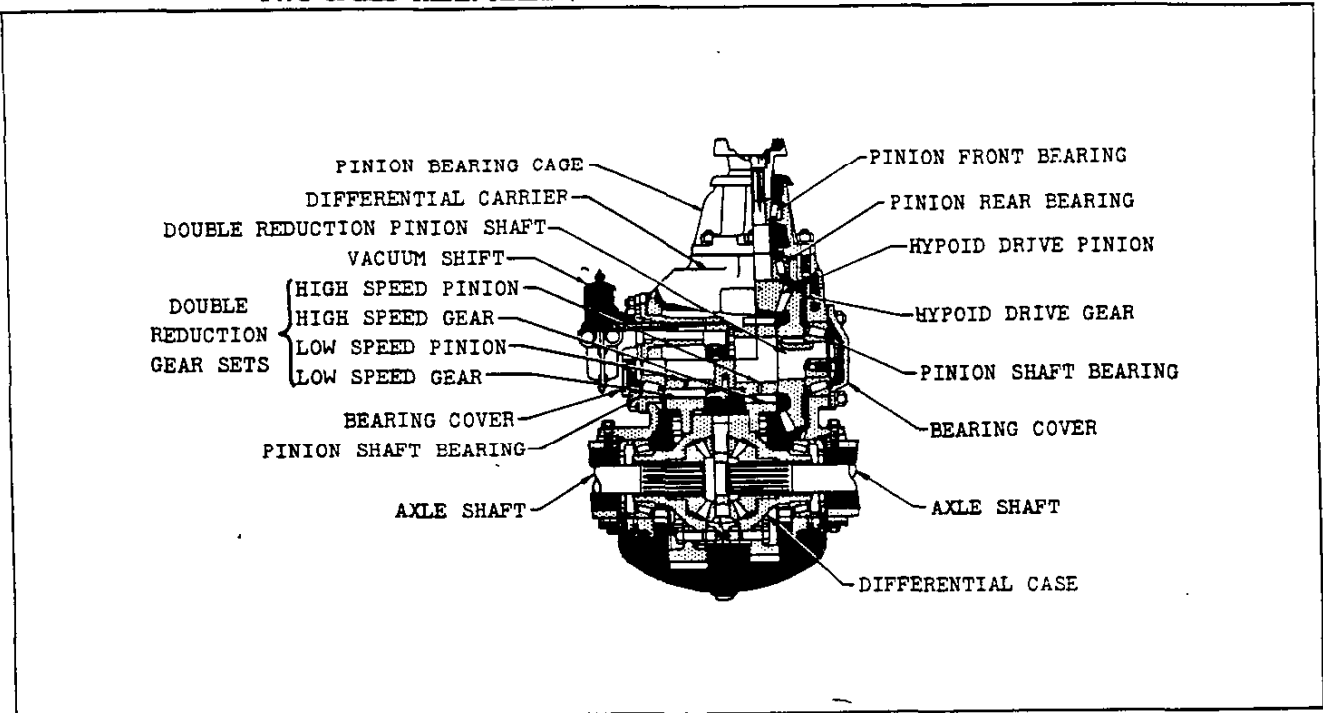
* - Axle ratio x transmission ratio.

Ⓞ - Gear reduction x engine maximum net torque x efficiency factor (.90 in direct drive, .85 all others).

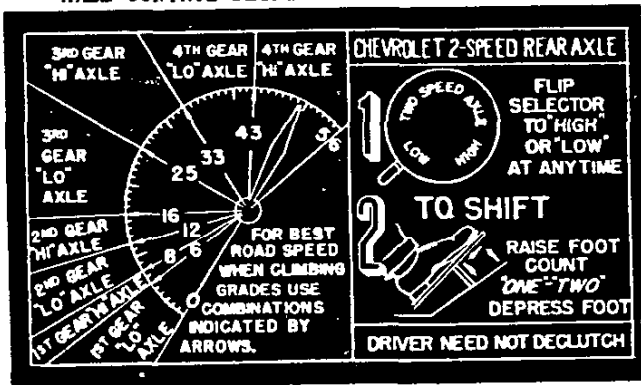
4-14-15. Revised: 7-17-50, • - Vertical dividing lines added.



TWO-SPEED REAR AXLE (RPO 202 FOR ALL 5000-6000 MODELS)



AXLE CONTROL DECAL ON INSTRUMENT PANEL Ⓞ



Axle shafts:

- Material ----- Forged steel
- Type ----- Shaft and drive flange integrally forged -- Spline attachment
- Minimum diameter ----- 1-9/16
- Anti-friction bearings ----- See page 101
- Vacuum shift control ----- On instrument panel

PRIMARY DRIVE GEARS

- Type and ratio ----- Hypoid, 2.875:1 ratio
- Pinion ----- 8 teeth, overhung mounting
- Drive gear ----- 23 teeth, straddle mounted
- Backlash adjustment ----- .008 to .013, -by shims at double reduction pinion shaft cover

GENERAL DATA

- Type ----- Double reduction, full-floating
- Rating (pounds) ----- 13000
- Final gear ratios ----- 6.13:1 high; 8.10:1 low
- Drive torque ----- Through springs
- Housing --- Banjo, one piece seamless steel tube

DOUBLE REDUCTION GEARS

- Type ----- Helical spur
- Ratio: High speed ----- 2.133:1 (32-15 teeth)
- Low speed ----- 2.818:1 (31-11 teeth)
- Lubricant capacity, refill (pints) ----- 14-1/2

TRANSMISSION		TOTAL GEAR REDUCTIONS *		MAXIMUM AXLE SHAFT TORQUE (FT LB) Ⓞ			
		5000-6000		5000		6000	
Gear	Ratio	6.13:1 ratio	8.10:1 ratio	6.13:1 ratio	8.10:1 ratio	6.13:1 ratio	8.10:1 ratio
First	7.06	43.28	57.19	6879	9090	6843	9042
Second	3.58	21.95	29.00	3489	4610	3470	4585
Third	1.71	10.48	13.85	1666	2201	1657	2190
Direct drive	1.00	6.13	8.10	1032	1363	1026	1356
Reverse	6.78	41.56	54.92	6606	8730	6571	8683

* - Rear axle ratio x transmission ratio.

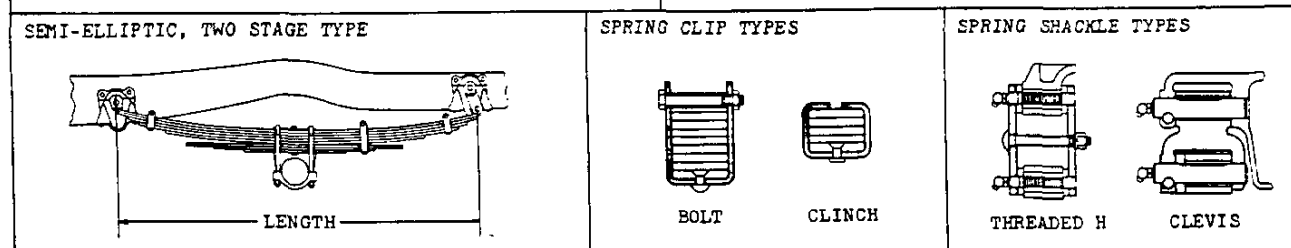
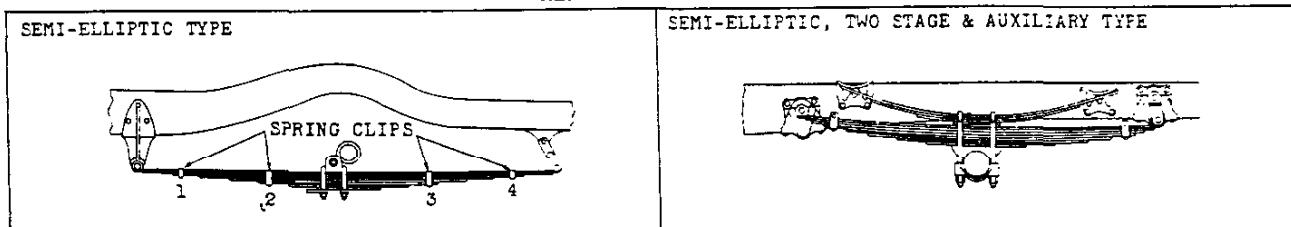
Ⓞ - Total gear reduction x engine max. net torque x efficiency factor (.90 direct drive; .85 all others).

Ⓞ - Gear change points are for 2.25-50 tires and engine governed speed of 3200 RPM.

4-14-50



REAR SUSPENSION

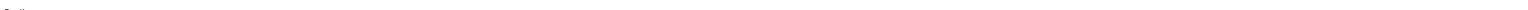


ITEM	3100		3700	3900	3600	3800 Reg		3800, 3900		3802
	Regular	RPO				3600 RPO		RPO		
Springs	Semi-elliptic		Semi-elliptic two-stage		Semi-elliptic, two-stage and auxiliary		Semi-elliptic			
Type	Semi-elliptic		Semi-elliptic two-stage		Semi-elliptic, two-stage and auxiliary		Semi-elliptic			
Leaves	Material		Chrome carbon steel							
Number	8	9	8	7 (4 & 3)	8 (5 & 3)		3 (aux)	9		
Thickness	#1,2		.323				.323			
(Leaves numbered from top to bottom)	#3						.291			
#4										
#5	.291									
#6,7										
#8							.323			
#9									.291	
Total	2.328	2.619	2.392	2.133	2.424		.969	2.715		
Load in pounds at opening height	1100 to 1200 @ 1/2	1300 to 1400 @ 1/2	1735 to 1915 @ 25/32	1325 to 1475 @ 9/16	1575 to 1725 @ 1-29/32			2205 to 2435 @ 13/16		
Average deflection rate (pounds per inch)	190	220	400	250 @ 200-600#; 370 @ 1200-1600#	315 @ 250-750#; 435 @ 1400-1800#		620	470		
Cap. at ground (lb)	1450	1730	2250	2000	2300		3400	2650		
Length x width	54 x 1-3/4		46 x 2		31 x 2		46 x 2			
Spring clip type (see fig)	Clinch: 1-2-3-4		Bolt: 1-3-4		1-4		1-2-3-4			
Spring mountings	Shackle end		Located at		Rear		Type		Threaded H Clevis and plain bushing	
	Pin size		5/8-11 thread		7/8 dia		Fixed end		Bushing Plain 7/8 OD	
	Pin size		11/16 OD (bolt)		7/8 OD		Attachment to axle		Two U-bolts and cap	
	Rubber insulated		Yes		No		U-bolt diameter		1/2 5/8	
	Bumper		Rubber, mounted on frame side member lower flange		Parallel		Mounting angle		7°50' incl angle 41-1/2	
	Center to center		42-5/16		41-1/2		Ride stabilizer		Included in shock absorber RPO on model 3942 with 7.50-17 or 7.00-18 tires	

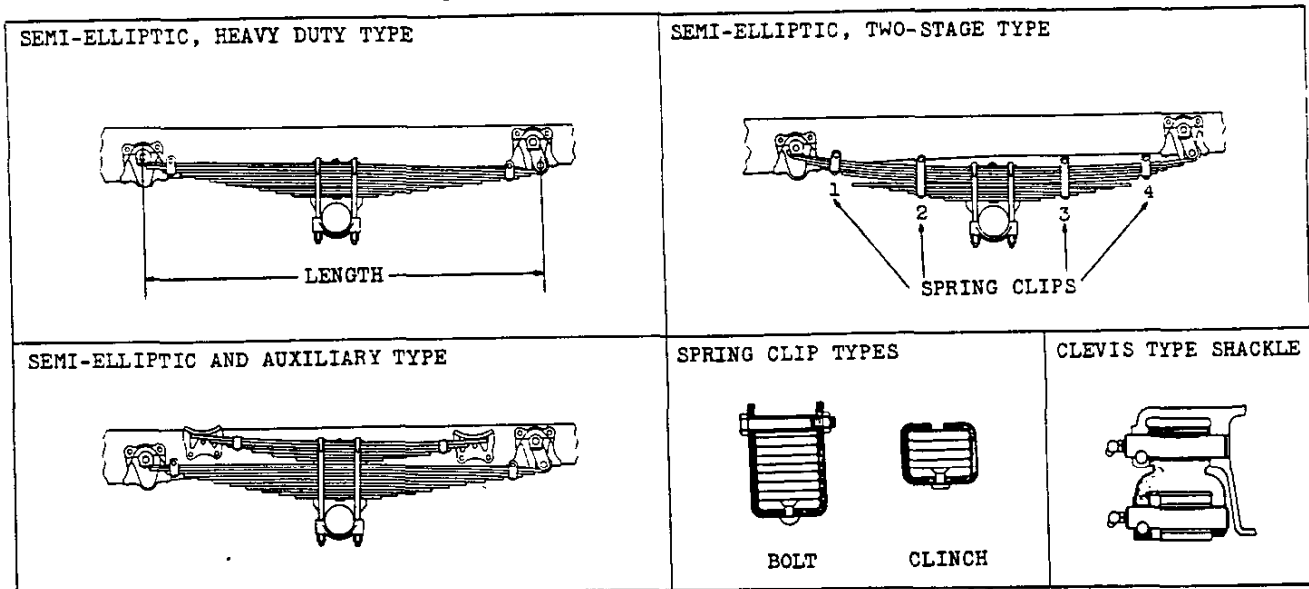
REAR SHOCK ABSORBERS

ITEM	3100	3600	3700	3800	3900
Direct double acting	Regular equipment			RPO	
Model and valve code	1066Z, 6RB/J1		1066T, 6RB/J1		967U, 8J10/A1
Cam and lever double acting					RPO
Valve code	Compression				GO
Rebound					1R
Piston diameter	1				1-3/8 1-1/2

Continued



REAR SUSPENSION—Continued



ITEMS		4500, 6700 Reg 4100, 4400, 6100, 6400 RPO	4100, 4400	5000, 6100, 6400 Reg 4100, 4400 RPO
Springs	Type	Semi-elliptic two stage	Semi-elliptic	Semi-elliptic & auxiliary
	Leaves	Material Chrome carbon steel		
	Material	Number		
	Number	11 (5 & 6)	11	6 (aux)
	Thick- ness (Leaves numbered from top to bottom	#1,2 #3,4,5 #6 #7 #8,9 #10,11 Total	.323 .360	.323 1.938
	Load in pounds at opening height	3800 to 4200 @ 1-3/8	4370 to 4830 @ 1/4	
	Average deflection rate (pounds per inch)	625 @ 500-1000#; 1100 @ 3500-4500#	1125	1530
	Capacity at ground (lb)	5600	4465	7800
	Length x width	46 x 2-1/2		31 x 2-1/2
	Spring clip type (see figure)	Clinch Bolt	1-2-3-4	1-4
Spring mount- ings	Shackle end	Located at Type Pin size	Rear Clevis and plain bushings 7/8 dia	
	Fixed end	Bushing Pin size	1-1/8 OD 7/8 dia	
	Spring to axle attachment	Two U-bolts and cap to fixed metal seat on axle housing		
	U-bolt diameter	3/4		
	Bumper	Rubber, mounted on frame side member lower flange		
	Mounting angle	Parallel		
	Spring center to center	42		

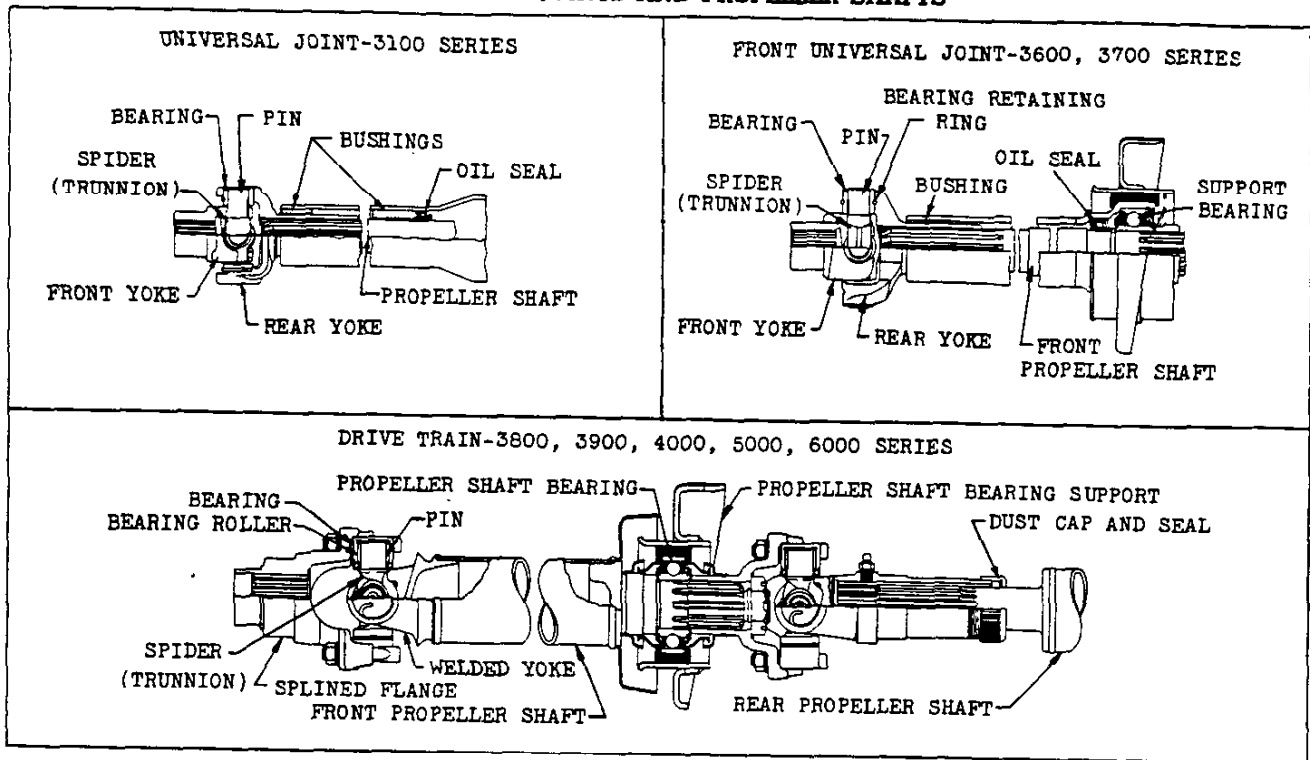
REAR SHOCK ABSORBERS

ITEM		4000, 5000, 6700
Shock absorbers	Type	Cam and lever double acting, RPO 200
	Piston diameter	1-3/4
	Valve code	G2 compression, 2L rebound

4-14-50



UNIVERSAL JOINTS AND PROPELLER SHAFTS



UNIVERSAL JOINTS

ITEM		3100	3600, 3700	5100	3800, 3900, 4100, 4400 5400, 5700, 6100, 6400	4500	6700
Type and material		Yoke and trunnion, drop-forged steel; trunnion, case hardened					
Number used		1	3	2	3		4
Pin diameter	Front	.6835-.6845	.716-.717				
	Center & Rear				.7385-.7390		
U-joint trunnion bearings	Type	Bushing					
	Front						
	Intermediate						
	Rear						Anti-friction, See page 101

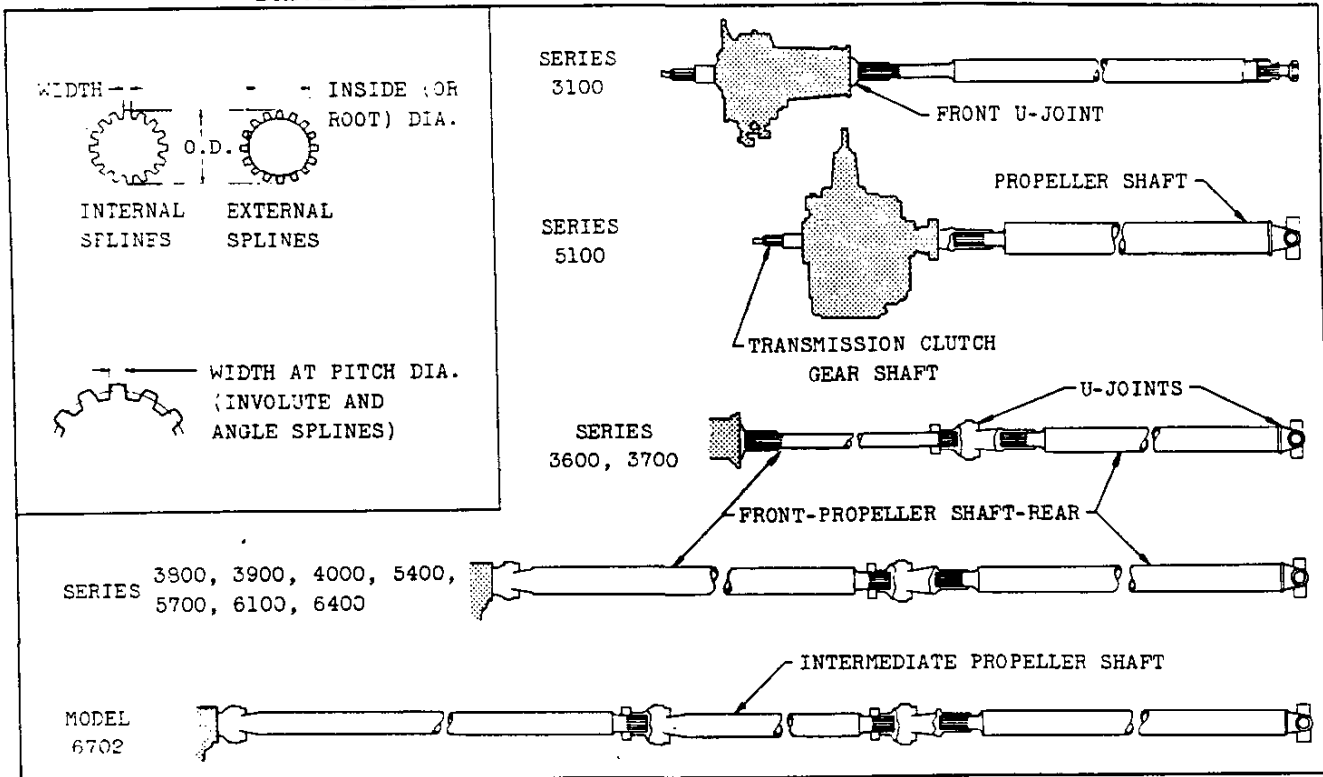
PROPELLER SHAFTS

Number used		1	2	1	2	3
Type	Front		Solid		Tubular	
	Intermediate					
	Rear					Tubular
Outside diameter	Front		1-7/16		2-1/2	
	Intermediate					2-1/2
	Rear	2-1/16	2-1/2	3.00	2-1/2	
Wall thickness	Front		Solid		.080-.085	
	Intermediate					.080-.085
	Rear	.092-.098			.080-.085	
End type	Front	Front		Splined	Welded yoke	
		Rear			Splined	
	Intermediate	Front				Welded yoke
		Rear				Splined
	Rear	Front	Splined		Splined	
		Rear			Welded yoke	
Propeller shaft guard	Number used				2	3
	Type				U-bolt	
	Material				5/8 round steel	
	Location and mounting				Support at front of each prop. shaft	
Support bearings (see page 101)			1		1	2

4-14-50. Revised: 7-17-50, • - Vertical line added; x - Vertical line moved.



DRIVE SYSTEM SPLINES—TRANSMISSION AND PROPELLER SHAFT



CLUTCH DISC HUB AND
TRANSMISSION CLUTCH GEAR SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
3100, 3600, 3700	Width	.174 - .176	.1705 - .1725
	I.D.	.920 - .925	.918 max.
	O.D.	1.134 - 1.144	1.110 - 1.121
	Splines	10 (straight side)	
3800, 3900, 4000, 5000, 6000	Width	.174 - .176	.169 - .172
	I.D.	.920 - .925	.918 max.
	O.D.	1.134 - 1.144	1.110 - 1.121
	Splines	10 (straight side)	

FRONT PROPELLER SHAFT FRONT END
AND FRONT U-JOINT REAR YOKE

SERIES	ITEM	INTERNAL	EXTERNAL
3600, 3700	Width	.1990 - .2015	.196 - .198
	I.D.	1.1145 - 1.1195	1.0515 - 1.0605
	O.D.	1.306 - 1.321	1.280 - 1.284
	Splines	10 (straight side)	

TRANSMISSION MAINSHAFT AND
FRONT U-JOINT FRONT YOKE

SERIES	ITEM	INTERNAL	EXTERNAL
3100, 3600, 3700	Width	.1473 - .1483	.1458 - .1473
	I.D.	.890 - .891	.853 - .863
	O.D.	1.003 - 1.017	.973 - .980
	Splines	10 (involute)	
3900, 4000, 5000, 6000 with 4-speed transmission	Width	.1964 - .1979	.1939 - .1954
	I.D.	1.155 - 1.158	1.123 - 1.125
	O.D.	1.373 - 1.376	1.350 - 1.360
	Splines	10 (involute)	

FRONT PROPELLER SHAFT REAR END
AND U-JOINT FRONT FLANGE

SERIES	ITEM	INTERNAL	EXTERNAL
3600, 3700, 3800, 3900, 4000, 5400, 5700, 6000	Width	.2130 - .2145	.2125 - .2140
	I.D.	1.208 - 1.213	1.120 - 1.130
	O.D.	1.374 - 1.375	1.372 - 1.373
	Splines	10 (straight side)	

PROPELLER SHAFT FRONT END
AND U-JOINT REAR YOKE

SERIES	ITEM	INTERNAL	EXTERNAL
3100	Width	.0951 - .0961	.0921 - .0941
	I.D.	.993 - .997	.953 - .961
	O.D.	1.0235 - 1.0935	1.0642 - 1.0657
	Splines	17 (involute)	

INTERMEDIATE PROPELLER SHAFT REAR END
AND U-JOINT FRONT FLANGE

SERIES	ITEM	INTERNAL	EXTERNAL
6702	Width	.2130 - .2145	.2125 - .2140
	I.D.	1.208 - 1.213	1.120 - 1.130
	O.D.	1.374 - 1.375	1.372 - 1.373
	Splines	10 (straight side)	

REAR PROPELLER SHAFT FRONT END
AND U-JOINT SLEEVE YOKE

SERIES	ITEM	INTERNAL	EXTERNAL
3600, 3700, 3800, 3900, 4000, 5000, 6000	Width	.1455 - .1470	.1435 - .1450
	I.D.	1.295 - 1.300	1.281 - 1.288
	O.D.	1.499 - 1.500	1.497 - 1.498
	Splines	16 (straight side)	

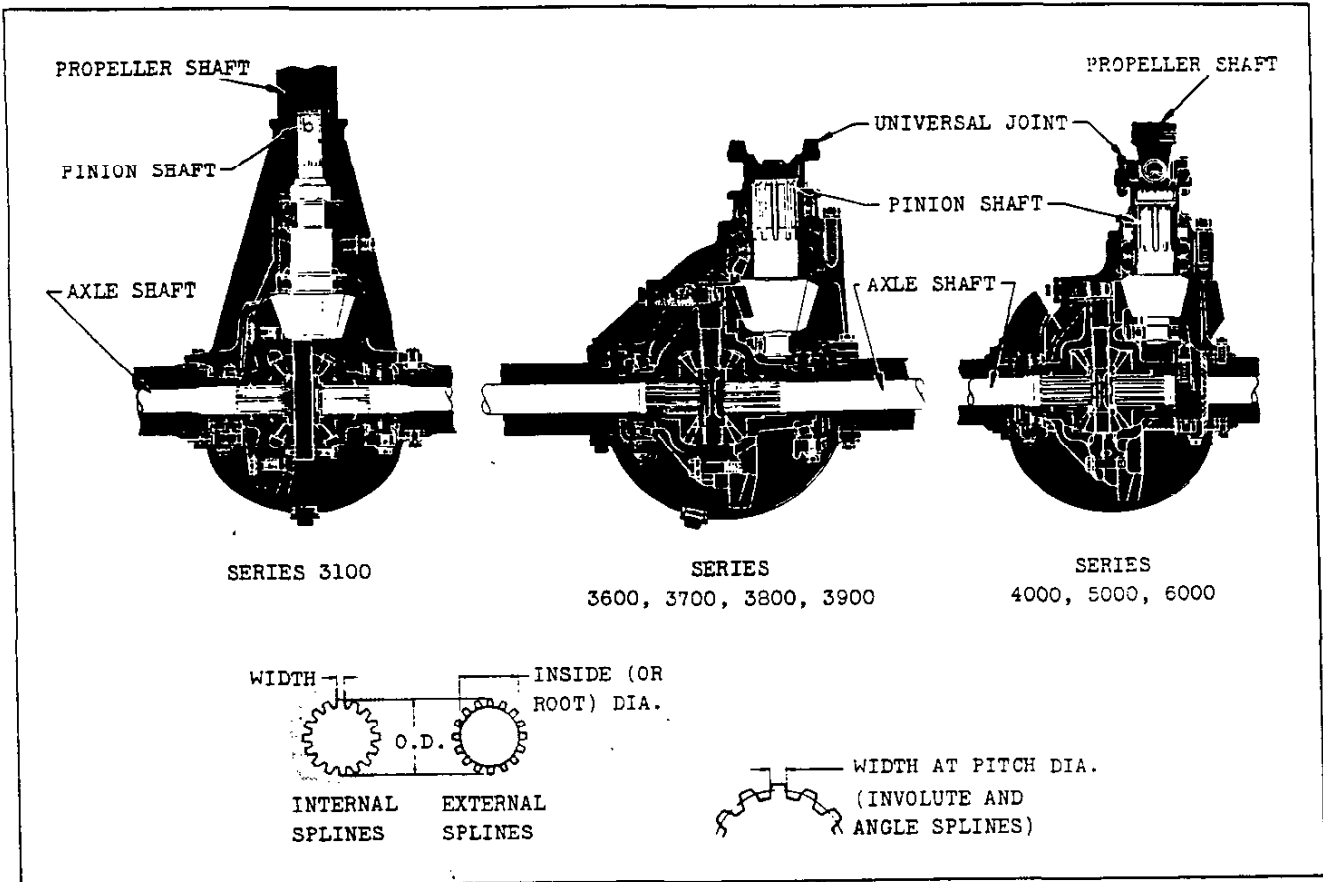
4-14-50

CHEVROLET 1950 SPECIFICATIONS—TRUCKS

DRIVE SYSTEM SPLINES-78



DRIVE SYSTEM SPLINES, REAR AXLE



PROPELLER SHAFT REAR END COUPLING
AND REAR AXLE DRIVE PINION SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
3100	Width	.0951 - .0961	.0951 - .0971
	I.D.	.985 - .989	.962 - .970
	O.D.	1.0835-1.0935	1.068 - 1.074
	Splines	17 (involute)	

PROPELLER SHAFT PINION FLANGE
AND REAR AXLE DRIVE PINION SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
3600*, 3700,	Width	.302 - .303	.300 - .302
	I.D.	1.694 - 1.702	1.637 - 1.647
3800, 3900,	I.D.	1.694 - 1.702	1.637 - 1.647
	O.D.	1.9675-1.9755	1.941 - 1.942
4000*, 5000,	O.D.	1.9675-1.9755	1.941 - 1.942
6000	Splines	10 (straight side)	
5000 & 6000 with RPO 202#	Width	.2325 - .2340	.232 - .234
	I.D.	1.289 - 1.294	1.230 - 1.235
	O.D.	1.499 - 1.502	1.496 - 1.498
	Splines	10 (straight side)	

* - With regular or RPO single speed axle for series 3600 and 4000

- RPO 202 is two-speed rear axle for series 5000 and 6000

DIFFERENTIAL SIDE GEAR
AND AXLE SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
3100	Width	.1144 - .1154	.1124 - .1144
	I.D.	1.194 - 1.198	1.166 - 1.174
	O.D.	1.3005-1.3105	1.2795-1.2845
	Splines	17 (involute)	
3600*, 3700 3800, 3900	Width	.1499 - .1509	.1479 - .1499
	I.D.	1.4245-1.4285	1.399 - 1.407
	O.D.	1.5485-1.5595	1.5275-1.5325
	Splines	17 (involute)	
4000*	Width	.259 - .262	.256 - .258
	I.D.	1.472 - 1.477	1.440 - 1.450
	O.D.	1.6735-1.6785	1.6345-1.6445
	Splines	10 (straight side)	
5000 & 6000 with regular or RPO 202#	Width	.173 - .175	.170 - .172
	I.D.	1.612 - 1.617	1.562 - 1.572
	O.D.	1.782 - 1.784	1.722 - 1.730
	Splines	16 (angle side)	

AXLE SHAFT FLANGE AND REAR WHEEL HUB

SERIES	ITEM	INTERNAL	EXTERNAL
4000*, 5000, 6000 with regular or two speed axle	Width	.3106-.3116	.3086-.3106
	I.D.	3.295-3.305	3.245-3.255
	O.D.	3.795-3.805	3.765-3.775
	Splines	20 (involute)	

4-14-50

BRAKES

ITEM		3100	3600	3700	3900	3800	4000	5000	6000	
Service brake type		Hydraulic, 4-wheel internal expanding, double-articulated shoe								
Parking brake	Type	Mechanical. Pull rods and cables operate two shoes in each rear brake.								
	Actuated by	Foot pedal				Hand lever				
	Mounted on	Shaft through bracket attached to underbody			Transmission		Subframe		Transmission	
	Cables located	Outside of frame				Inside of frame				
Drum	Type	Composite. Cast alloy iron rim and cooling ribs, pressed steel web.								
	Dia (front & rear)	11	11 & 12	12	12 & 14	14 & 16				
	Total area (sq in)	242	272	302	371	478				
Lining	Material	Full molded asbestos composition								
	Width	Front	1-3/4			2				
		Rear	1-3/4	2		2-1/2		3		
	Thick- ness	Front	.187-.194			.265-.272				
		Rear	.187-.194	.265-.272						
	Clear- ance	Front	Adjust to slight drag, Back off 4 notches							
		Rear	Adjust to slight drag, Back off 2/3 screw turn							
Attach- ment	Front	Bonded				Riveted				
	Rear									
Lining area (effective) (sq in)	Service brake	150	176	202	248	330				
	Parking brake	75	101		147		215			
Braking pressure	Front	52-1/2%	45-1/4%	50%			41%			
	Rear	47-1/2%	54-3/4%	50%			59%			
Approximate braking ratio	Pedal	6.426			6.785		6.426		6.534	6.426
	Hydraulic	11.89	8.84	9.68			9.76		9.76*	
	Overall	76.39	56.81	65.69		62.22	62.72		63.77*	62.72*
Foot pedal	Travel	7.906			7.875		7.906		8.0	7.906
	Mounting	On pedal shaft which is attached to side rail bracket						Same except on subframe		Same as 4000 Series
	Pad cover	Molded rubber								
Wheel cylinder	Dia- meter	Front	1-1/4		1-3/8			1-1/4		
		Rear	1-3/16	1-3/8				1-1/2		
	Piston travel	.105	.141		.129			.128		
Main cylinder	Diameter	1			1-1/4					
	Piston travel	1-1/4								
Brake fluid capacity		Approximately 1 pint *				Approximately 1-1/4 pints *				
Brake fluid recommended		Delco, Super #11 or 12								

* - Ratio does not include Vacuum Brake Booster Equipment

BRAKE BOOSTER EQUIPMENT

ITEM		3800, 3900	4000	5000	6000
Brake booster equipment (hydraulic)	Available as	RPO 213	RPO 212	Regular equipment	
	Type	Single piston, vacuum suspended, reactionary valve			
	Power distribution	At 1000 PSI of hydraulic pressure, power distribution is 37% by pedal and 63% by booster			
	Pedal pressure (actual test)	At 1000 PSI of hydraulic pressure, pedal pressure is 204 lbs without booster, 80 lbs with booster			
Vacuum power reserve tank	Available as	RPO 281 (used with RPO 212)		RPO 281	
	Size	24 long x 7-1/2 ID; 1000 cu in capacity			
	Location	Clamped to inside of left side rail		Clamped to outside of left side rail	Clamped to inside of left side rail

RPO BRAKE EQUIPMENT

Propeller shaft hand brake	Available as	RPO 348, on models 4502, 6702		
	Type	Double-faced disc		
	Lining	Size 3-7/16 inside radius x 5-7/16 outside radius x 1/4 thick x 90° arc		
	No. used	Two		
Area	Total effective area (2 pieces) 27.8 square inches			

4-14-50. Revised: 12-1-50, * - Data corrected.
CHEVROLET 1950 SPECIFICATIONS—TRUCKS

BRAKES-80



ENGINE-GENERAL

BASIC ENGINE DATA

TYPE	3100, 3600, 3800, 4000, 4400, 4800	5700, 5900	6000	4000 RPM	6000	6700
Net displacement and stroke nominal	Transmission 216.5 cu. in.		Loadmaster 235.5 cu. in.			
	3-1/2 x 3-3/4		3-9/16 x 3-15/16			
	Valve-in-head, 2-cylinder					
Compression ratio	6.6:1			6.7:1		
Net BHP horsepower	28.4			30.4		
Max speed	450-500 MPH					
Operating engine rpm	110 RPM at operating speed			117-220 RPM		
Weights Engine and clutch STD	530		514		525	
Std with transmission	530	541	713	682	733	743
Motor equipment	RFD 241		Regular		Regular	
Speed speed	Range 1800 to 2800 RPM		18 MPH		3200 RPM 35 MPH	

ADVERTISED MAXIMUM ENGINE PERFORMANCE

TYPE	3100, 3600, 3800, 4000	3700, 3900	6000	4000 RPM	6000
Power Gross	32 @ 3400 RPM	32 @ 3400 RPM	110 @ 3800 RPM	113 @ 3600 RPM	
Net	28 @ 3300 RPM	28 @ 3300 RPM	95 @ 3400 RPM	95 @ 3500 RPM	
Std	175 @ 1800-2000 RPM	182 @ 1800-1900 RPM	190 @ 2000 RPM	193 @ 2000 RPM	
Std	170 @ 1800-2000 RPM	175 @ 1800-1900 RPM	187 @ 2000 RPM	188 @ 2000 RPM	

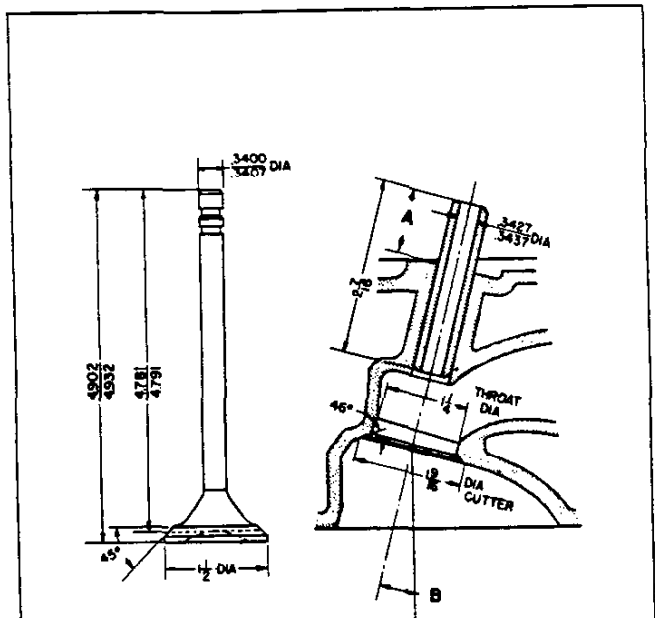
ENGINE SPEED AND FUEL CONSUMPTION

TYPE	RPM	TRANSMISSION TYPE	ENGINE RPM AT 100 MPH PER HOUR		MILES PER HOUR	FUEL CONSUMPTION PER HOUR		TRANSMISSION LOADMASTER	LOADMASTER	FUEL CONSUMPTION PER MILE
			LOW	HIGH		ENGINE	TRANSMISSION			
6.00-18		3-speed	150	85	37	51	1910			50.54
			4-speed	169						
6.50-18	4.00:1	3-speed	147	84	38	52	1970			50.92
			4-speed	162						
6.70-18		3-speed	151	86	38	51	1920			50.74
			4-speed	168						
18"		3-speed	144	83	34	46	1807			50.29
			4-speed	168						
18"		3-speed	150	81	34	54	2043			50.88
			4-speed	164						
7.00-17	4.87:1	3-speed	147	84	35	55	1970			50.93
			4-speed	162						
7.50-17		3-speed	143	82	36	49	1910			50.21
			4-speed	163						
18"		3-speed	150	103	31	61	2097 *	2401 *		50.75
			4-speed	162						
7.00-17		3-speed	145	84	36	56	2104 *	2308 *		50.57
			4-speed	162						
7.50-17	5.14:1	3-speed	150	82	36	56	2045 *	2166 *		50.74
			4-speed	168						
7.00-17		3-speed	148	85	36	56	2124 *	2205 *		50.57
			4-speed	162						
7.50-17		3-speed	148	83	36	56	2045 *	2166 *		50.74
			4-speed	168						
7.00-18		3-speed	151	103	32	54	2024 *	2126 *		50.88
			4-speed	168						
8.50-20	5.43:1	3-speed	161	103	32	54	2023	2124 *		50.88
			4-speed	189						
7.00-20		3-speed	158	103	32	54	1998	2034 *		50.88
			4-speed	189						
8.50-20		3-speed	143	103	32	54	2095	2413 *		50.77
			4-speed	165						
7.50-20	5.17:1	4-speed	145	100	32	56	2003	2313 *		50.83
			4-speed	165						
8.25-20		4-speed	140	103	37	57	2233			50.13
			4-speed	162						
7.50-20	5.13:1	4-speed	142	106	38	58	2267			50.55
			4-speed	164						
8.25-20	5.13:1	4-speed	139	102	37	57	2228			50.90
			4-speed	167						
8.25-20	5.13:1	4-speed	137	108	38	58	2319			49.79
			4-speed	160						
9.00-20	5.17:1	4-speed	138	103	32	54	2113			50.27
			4-speed	161						
9.00-20	5.13:1	4-speed	145	103	32	54	2150			49.99
			4-speed	168						

Engine RPM is determined by locating the figure for the mile per hour and multiplying by the desired miles per hour. MPH is determined by dividing the above engine RPM by the engine RPM for one mile per hour. See also as a 1.7 factor. * - 3600, 1800 only. † - 3700, 1900 only. ‡ - 3500. § - Estimated.

0. Revised: 7-17-50. e - Governed speed corrected.

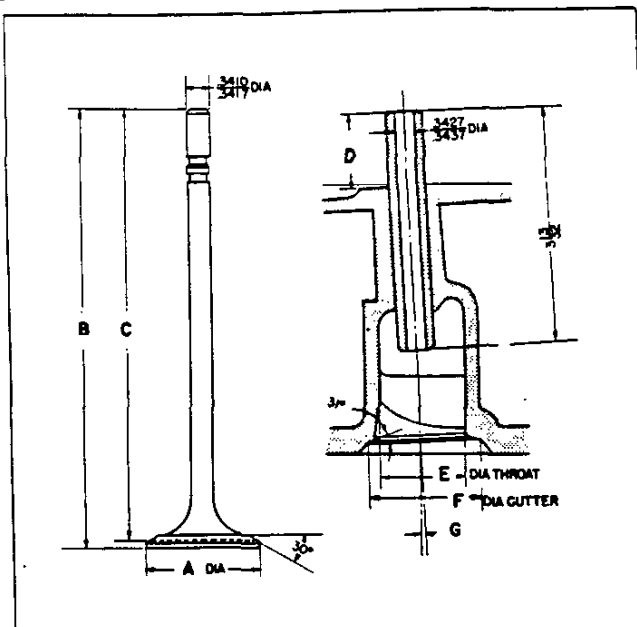
VALVE TRAIN



Flat head, optional design
for 216 engines

ITEM	216.5 engine	235.5 engine
A	31/32 ⁺⁰ -1/64	7/8 ⁺⁰ -1/64
B	14°46'45"	16°

EXHAUST



ITEM	216.5 engine	235.5 engine
A	1-41/64	1-15/16
B	6.260-6.290	6.364-6.394
C	6.177-6.187	6.272-6.282
D	1-5/64 ⁺⁰ -1/64	1-1/64 ⁺⁰ -1/64
E	1-1/4	1-7/16
F	1-13/16	2-3/64
G	2°33'30"	3°26'

INLET

VALVES

Make ----- Own
 Material: Exhaust valve ----- Silichrome steel
 Inlet valve - Silichrome or Nickel-chrome stl
 Stem end style --- Grooved for keys and oil seal
 Lift: Exhaust valve ----- .3118
 Inlet valve ----- .2941
 Face angle: Exhaust valve ----- 45°
 Inlet valve ----- 30°
 Distance between valve centers (measured along
 centerline of engine) -----
 216.5 engine, 1-21/32; 235.5 engine, 1-35/64
 Valve lash (engine normalized *): Inlet Exhaust
 Up to and including
 8000 GVW and school buses ----- .008 .015
 Above 8000 pounds GVW ----- .010 .020 x
 *To normalize engine, run it at fast idle (ap-
 proximately 600 RPM) until a constant oil temp-
 erature is maintained for a period of five min.

TAPPETS

Type, material ---- Cylindrical, cast alloy iron
 Outside diameter ----- .989-.990
 Lift: Exhaust (tappet) ----- .2111
 Inlet (tappet) ----- .1991
 Clearance ----- Selective fit
 Hydraulic valve lifters ----- None

VALVE STEM GUIDES

Type ----- Removable
 Clearance with stem: Exhaust ----- .002-.0037
 Inlet ----- .001-.0027

VALVE ROCKER ARMS

Material ----- Cast malleable iron
 Ratio (valve lift to cam lift) ----- 1.477:1
 Torque of valve rocker shaft support bolts and
 nuts ----- 25-30 ft lb
 Bearing: Type ----- Machined in rocker arm
 Inside diameter ----- .7922-.7935
 Length ----- 15/16

VALVE SPRINGS

LENGTH AND PRESSURE

Valve closed ----- 1.821 at 53-63 lb
 Valve open ----- 1.505 at 124-140 lb
 Free (out of engine) length ----- 2-1/8

VALVE SEATS

Material ----- Cast alloy iron (cylinder head)
 Inserts ----- None
 Angle: Exhaust seat (in head) ----- 46°
 Inlet seat (in head) ----- 31°
 Width in head: Exhaust seat ----- .062-.093
 Inlet seat ----- .035-.060
 Cooling, jets of water under pressure -----
 ----- 216.5 engine, yes; 235.5 engine, no

5-1-50. Revised: 7-17-50, * - Valve design and dimension changed; x - Weight corrected.

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ENGINE ELECTRICAL SYSTEM

GENERATOR

Make, model ----- Delco-Remy, 1102710
 Type ----- 2 brush, shunt wound
 Rated voltage ----- 6 to 8
 Ventilation ----- By fan in generator pulley
 Driven by ----- Fan belt
 Pulley size ----- 28^oV x 3-11/32 dia
 Speed ratio (generator to engine) ----- 1.83:1
 Maximum output speeds (hot):
 Generator RPM ----- 2400 and up
 Engine RPM ----- 1311 and up
 Bearings: Commutator end Drive end
 Number ----- 812823
 Type ----- Bronze bushing Anti-friction
 ID ----- .562-.563 bearing,
 OD ----- .793-.784 see page
 Length ----- 51/64 101
 Brush spring tension ----- 24 to 32 oz
 Rotation (drive end) ----- Clockwise

VOLTAGE AND CURRENT REGULATOR

Make and model ----- Delco-Remy, 1118301
 Type ----- Vibrator
 Location -- On dash LH side in engine compartment
 Voltage regulator:
 Volts ----- 7.4
 Temperature ----- Operating
 Average air gap ----- .075-.085
 Current regulator:
 Amperes ----- 35
 Temperature ----- Operating
 Average air gap ----- .075-.085
 Cutout relay:
 Point opening (amperes) ----- 0 - 4
 Point closing: Volts ----- 6.4
 Generator armature speed ----- 800 RPM
 Engine speed ----- 437 RPM
 Average air gap ----- .020
 Point gap ----- .020

RPO 326 HEAVY DUTY GENERATOR EQUIPMENT

Generator equipment (40 amp) ----- All ●
 Generator: Make, model --- Delco-Remy, 1102729
 Regulator: Make, model --- Delco-Remy, 1118300
 Generator equip. (55 amp) -- All except 37,3900,5000 x
 Generator: Make, model --- Delco-Remy, 1106757
 Regulator: Make, model --- Delco-Remy, 1118390

STARTING

Starting device ----- Mechanical over-running
 clutch actuated by push button and solenoid for
 Series 3700, 3900 and by pedal for all others.
 Starting operation ----- With ignition
 switch ON, depress push button on Series 3700,
 3900; depress starter pedal on all others.
 Pinion meshes ----- From front of flywheel
 Pinion teeth ----- 9
 Flywheel teeth ----- 139, 1/2 wide, 13.5 PD
 Flywheel bolt torque (service) ----- 50-65 ft lb
 Gear ratio (starter to flywheel) ----- 15.44:1
 Normal engine cranking RPM (60^oF air) ----- 125

CONTINUED

5-1-50. Revised: 7-17-50, ● - Series usage changed; x - 55 amp generator equipment added.

STARTING MOTOR

Make ----- Delco-Remy
 Model: Series 3700, 3900 ----- 1107075
 All others ----- 1107055
 Direction of rotation (front view) -----
 ----- Counter-clockwise

Bushings	Commutator end	Drive end
Type	Oilless, rolled bronze, with graphite-filled indentations on inside surface	
ID	.5625-.5635	.499-.501
OD	.6245-.6255	.5615-.5625
Length	.812	.781

Test data: Lock test No load test
 Amperage ----- 525 ----- 65
 Volts ----- 3.4 ----- 5
 Torque ----- 12 ft lb
 RPM ----- 5000
 Brush spring tension ----- 24 to 28 oz

BATTERY

ITEM	4500, 6700	5000	ALL OTHERS
Make and model	Delco, 19Q4W	Delco, 15AA4-W	
Length, at top	10-3/8	9-1/32	
Width, at top	7		
Height	8-11/16		
Voltage	6		
Capacity	125 amp hrs	100 amp hrs	
	at 20-hour rate		
Bench normal charging rate	9 amp	7 amp	
Cells	3, side-to-side arrangement		
Plates per cell	19	15	
Ground	Negative terminal		
Location(3700 & 3900 same as 4500 & 6700)	At right side of engine, on frame	Below driver compartment floor, on right side	

IGNITION SYSTEM

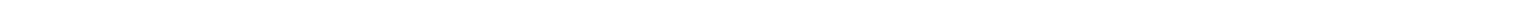
Type -- Separate units, high tension distributor with centrifugal and vacuum spark advance, high intensity spark and water-proof ignition coil.
 Ignition cable: Make ----- Packard Electric
 Ignition lock: Make ----- Delco-Remy
 Type ----- Two position: on and off, key is removed in off position only

COIL

Make, model ----- Delco-Remy, 1115380
 Location ----- Engine right side
 Amperes drawn -- 4.5, engine stopped; 2.5 idling

SPARK PLUGS

Make, model ----- AC, 44-5 Com.
 Thread size ----- 14 mm
 Recommended gap ----- .035
 Recommended torque ----- 20-25 ft lb



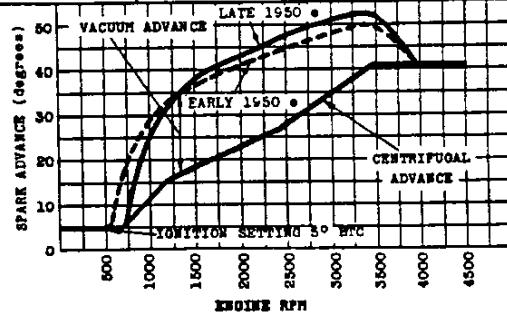
ENGINE ELECTRICAL SYSTEM—Continued

DISTRIBUTOR

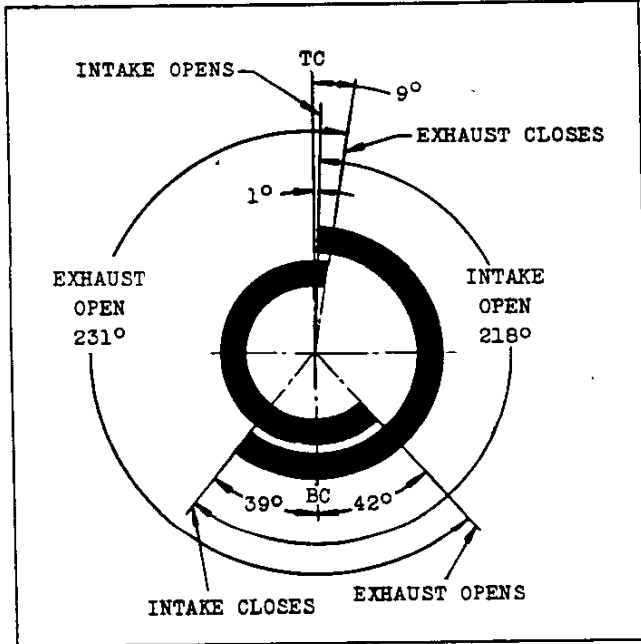
Make, model: 216.5 engine -- Delco-Remy, 1112353
 235.5 engine ----- Delco-Remy, 1112358
 Current source ----- Generator or battery
 Breaker contact opening and nominal cam angle:
 With new breaker lever --- .018-.024 ---- 34°
 With old breaker lever --- .015-.022 ---- 39°
 Breaker arm tension ----- 17-21 oz
 Vacuum control part number ----- 1116043
 Condenser: Part no. and cap. ----- 1869704, .2mf

THRIFTMASTER 216.5 CU.IN. ENGINE

Automatic spark advance	Advance begins	Full advance
Vacuum control	7" to 8.5" Hg	18° to 22° at 16.5" to 18.5" Hg
Centrifugal	575 to 775 RPM	32.5° to 39.5° at 3450 RPM and up

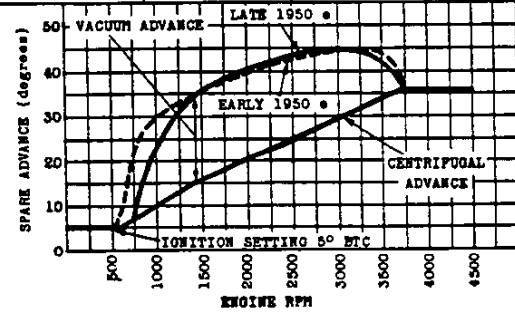


VALVE TIMING (theoretical)



LOADMASTER 235.5 CU.IN. ENGINE

Automatic spark advance	Advance begins	Full advance
Vacuum control	7" to 8.5" Hg	18° to 22° at 16.5" to 18.5" Hg
Centrifugal	450 to 750 RPM	29° to 33° at 3700 RPM and up

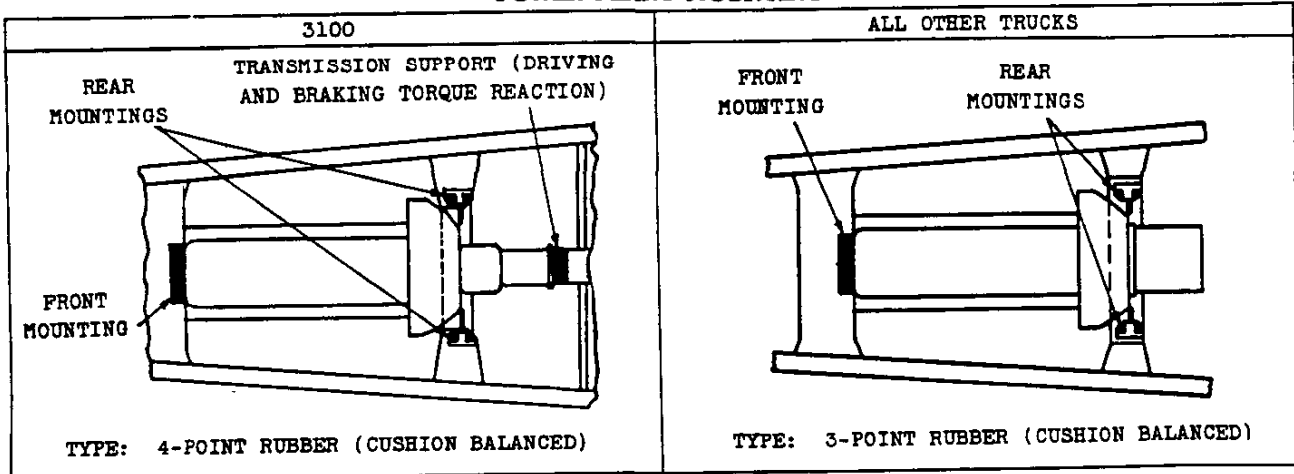


ENGINE TIMING-Ignition

Timing spark advance (initial setting) -- 5° BTC
 Timing mark, location --- Steel ball in flywheel
 Firing order ----- 1-5-3-6-2-4

• - VACUUM ADVANCE CURVES. Early 1950: revised to most recent test data. Late 1950: applicable for carburetors with relocated vacuum advance ports.

POWER PLANT MOUNTING



5-1-50. Revised. 9-22-50; 12-1-50, • - New spark advance curves added.



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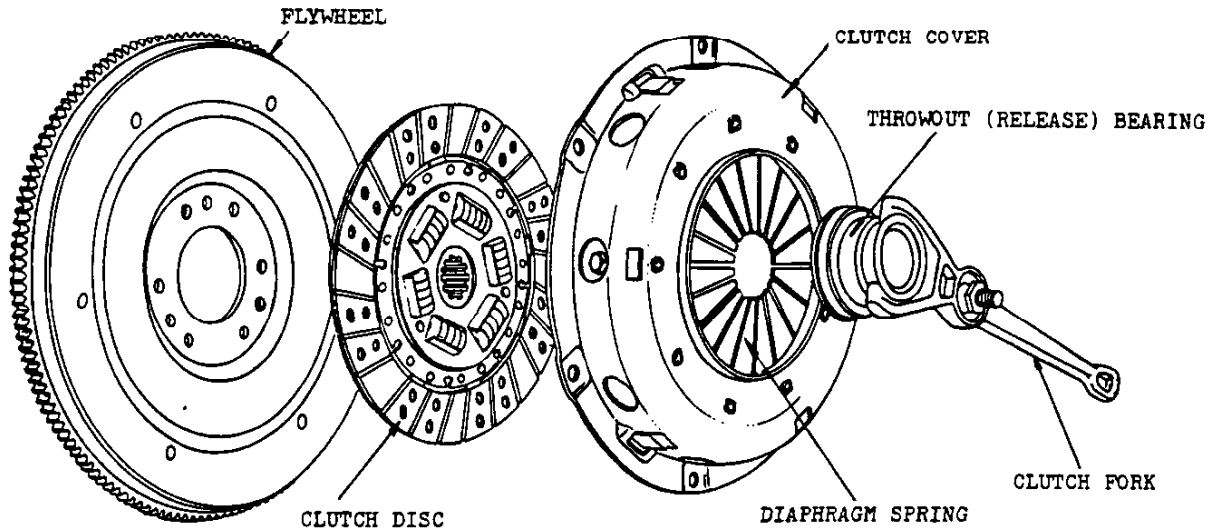
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CLUTCH



3100 SERIES REGULAR CLUTCH ILLUSTRATED

ITEM		3100		All except 3100	
		Regular clutch	RPO 227	Regular clutch	
Type		Single dry plate			
Rated torque capacity		210 foot pounds			
Drive		Direct to flywheel face			
Ventilation		Vaness cast in pressure plate			
Diaphragm spring	Pressure in flat position	1100 to 1225 pounds	1175 to 1275 pounds		
	Material	Spring steel, heat treated			
	Pressure levers	18, integral with spring			
Driving members		Two (flywheel and pressure plate)			
Driven disc	Type	One, spring cushioned plate with two molded facings			
	Vibration insulation at hub	6 cushion springs			
	Facing (2)	Material	Woven or molded asbestos composition •		
		Outside diameter	9-1/8	10-3/4	
		Inside diameter	6-1/8	7	
		Area (both facings)	71.86 square inches	104.6 square inches	
Thickness		.132-.138	.137-.143		
Bearings	Throwout (release)	Type, make, number	Anti-friction bearings, See page 101		
		Lubrication	Packed for life		
	Pilot	Make and number	Chevrolet 412562		
		Type	Sintered graphite-bronze bushing. Oil-impregnated		
		Inside diameter	.5905-.5920		
		Outside diameter	1.0935-1.0945		
		Width	.740-.760		
		Lubrication	Self		
Controls	Clutch fork type	Drop-forged (pivot mounted on ball)			
	Pedal mounting location	On shaft, bracketed to side rail (to subframe in 5000)			
Flywheel	Material	Cast alloy iron			
	Weight (with ring gear)	30 pounds			
	Ring gear type	Steel, shrunk on			
	Ring gear teeth	139, 1/2 wide, 13.9 P.D. (9 teeth on starter pinion)			
Clutch attachment to flywheel		6 bolts	9 bolts		

5-1-50. Revised: 7-17-50, • - Material type corrected.

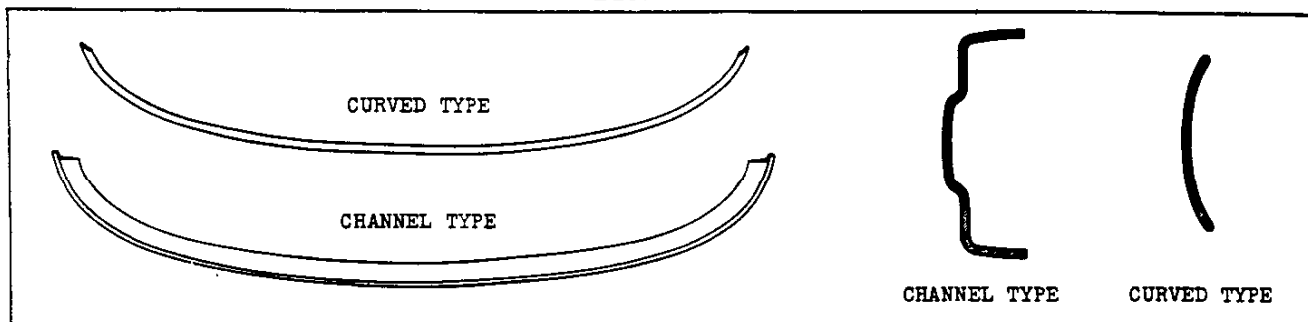


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BUMPERS



ITEM	3100, 3600	3105-06-07-16	3102-03-04-12, 3602-03-04-12	3800	3805-3807	4000,5000,6000 Reg 3700, 3900 RPO
Location	Front	Rear		Front	Rear	Front
Type	Curved					Channel
Overall width	69-7/8	70		69-7/8		75-1/16
Overall height	5-7/32					6-31/32
Gauge	.133-.147			.231-.245		.227-.251
Material	Spring steel					H R Steel
Finish	Chrome plated					Painted

LIGHTS AND HORN

(Units listed below are shipped loose on Series 3700 and 3900)

HEADLIGHTS

Make and type ----- Guide, Sealed Beam
 Location ----- In front fender faces
 Sealed Beam unit: Diameter ----- 7
 Lens diameter ----- 6-11/16
 Dimmed by ----- Foot switch (depresses beam)
 Beam indicator location ---- In speedometer face

PARKING LIGHTS

Location ----- Between first two bars in upper corners of radiator grille

TAIL AND STOP LIGHTS

Make and type ----- Guide, combination
 Number and location:
 Two-unit bodies ----- One, attached to rear end of frame left side member
 Canopy Expresses and Suburban Carryall -----
 --- One, centered on tail gate (linkage automatically adjusts light for tail gate position)
 Panels ----- One, on left rear door
 RPO 249:
 Panels, Canopy Expresses, and Suburban Carryall ----- Two extra combination tail and stop lights, one at rear of each body side panel

Rear license plate illumination ----- Lighted through window in combination tail and stop light
 Dome light ----- In all except cowl models

LIGHTING SWITCHES

Make ----- Delco-Remy
 Main switch ----- Two-position, mounted on instrument panel. Incorporates a rheostat, operated by rotating the switch knob, which controls the brightness of the instrument panel lights
 Stop light switch ----- Mechanical, on toe board
 Dome light switch ----- At light

PROTECTIVE DEVICES

Circuit breaker: Type ----- Bi-metal thermal element in main lighting switch
 Capacity ----- 30 amperes
 Fuses (in series with circuit breaker, in tail and stop light circuits): Number and type -----
 --- 2 (1 spare); 20 amp, SFE glass cartridge
 Location ----- In fuse box on front of dash

HORN

Make and type ----- Delco-Remy, vibrator
 Location ----- COE on front of dash, all others on intake manifold
 Current drain ----- 10 amperes

BULBS

USED IN	QUANTITY	TRADE NO.	POWER	USED IN	QUANTITY	TRADE NO.	POWER		
Parking lights	2	63	3 cp	Tail and stop lights	Panel Trucks	Tail	1	1154*	3 cp
Instrument cluster	4	55	2 cp			Stop	21 cp		
Beam indicator	1	51	1 cp		All others	Tail	1	63	3 cp
Ignition lock	1	55	2 cp		Stop	1	1129	21 cp	
Dome light	1	87	15 cp		RPO 249	Tail	2	1154*	3 cp
Head-lights	2	2400 CC*	45 W		Stop	21 cp			
Upper beam			35 W	* - Single bulb, double filament					
Lower beam									

5-1-50. Revised: 12-1-50, * - Data corrected.

REGULAR PRODUCTION OPTIONS

RPO	ITEM		MODELS
200	Shock absorbers	Lever, double acting	Front Series 4000, 5000, 6000
		Direct, double-acting	Rear Series 3900, 4000, 5000, 6700
202	Two-speed rear axle		Series 3800
204	Rear axle, 5.43 to 1 ratio		Series 5000, 6000
207	Long running boards and rear fenders		Series 4000
208	Rear axle, 5.14 to 1 ratio		Series 3602-03-12; 3802-03-12
210	Rear view mirror	Short, LH (bracket only)	All Cab Chassis, except model 3103
		Short, RH (mirror and bracket)	All Cab Chassis, Pickups, and single-unit body models
		Long, LH (bracket only)	Models 3103-04; 3604, 3604
		Long, RH (mirror and bracket)	All cab models
211	Rear shock absorber shields		Series 3000, except 3900
212	Brake booster		Series 4000
213			Series 3800, 3900
216	Oil bath air cleaner	1 lb capacity	Series 3100, 3600, 3800, 4100, 4400
		2 lb capacity	Series 3100, 3600, 3800, 4000
225	Loadmaster heavy-duty engine		Series 4000
227	Heavy-duty clutch		Series 3100
230	High-sill platform		Models 3608-09
233	Heavy-duty frame		Series 4100
234	Color combinations (11)		All, except Series 3700, 3900 (see Page 69)
237	Oil filter		All, except Series 3700, 3900
241	Engine governor		Series 3100, 3600, 3800, 4100, 4400
249	Dual tail and stop lights		All single-unit body models
254	Heavy-duty rear springs		Series 3100
256	Heavy-duty radiator		Series 3600, 3800, 4000
263	Auxiliary seat		All Panels and Canopy Express models
267	Auxiliary rear springs		Series 3800, 3900, 4100, 4400
268	Two-stage rear springs		Series 4100, 4400, 6100, 6400
281	Vacuum reserve tank		Series 4000, 5000, 6000
292	20 x 5.00S wheel equipment		Models 4102-12; 4402-12
318	Four-speed transmission		Series 3100, 3600, 3700
326	Heavy-duty generator equipment	Rating, 40 amp	All models *
		Rating, 55 amp	All, except 3700, 3900, 5000 x
328	Auxiliary stand-drive control		Models 3802, 4102 *
329	School bus chassis equipment (Junior)		Model 3802
340	Vacuum booster fuel pump		All models
348	Propeller shaft brake		Series 4500, 6700
361	Genuine leather seat trim		All cab models, single-unit body models, except 3106-16
367	Front bumper		Series 3700, 3900
380	HD equipment (and identification plate)		Series 4100, 4400
384	Spare wheel carrier equipment		Series 3700, 3900
386	Chrome radiator grille		Series 3100, 3600, 3800, except models 3106-16
389	Wide running boards		Model 3104
390	De Luxe equipment		All cab models and panels
401	Stake racks		All platform and express platform models
	Stock racks		Models 4408, 5408, 6408
402	Identification plate ("S" series)		Series 5000, 6100, 6400
272	Tires, 7.50-17-8 pr		Series 3600, 3700, 3800, 3900
273	Tires, 15"-6 pr		Series 3100 (3600, 3700 spare)
277	Tires, 7.00-17-6 pr		Series 3600, 3700 (3800, 3900 spare)
278	Tires, 7.00-17-8 pr		Series 3600, 3700, 3800, 3900
279	Tires, 7.50-17-10 pr		Model 3802, spare
280	Tires, 15"-8 pr		Series 3100, 3600, 3700
282	Tires, 6.50-16-6 pr		Series 3100
288	Tires, 6.70-15-6 pr		Series 3100
295	Tires, 7.00-18-8 pr		Series 3800, 3900, except models 3804-05-07
296	Tires, 7.00-20-10 pr		Series 4000
300	Tires, 7.00-20-8 pr		Series 4000
304	Tires, 7.50-20-8 pr		Series 4100, 4400 (5000, 6000 spare)
305	Tires, 7.50-20-10 pr		Series 4100, 4400, 5000, 6000
312	Tires, 9.00-20-10 pr		Series 5000, 6100, 6400
343	Tires, 8.25-20-10 pr		Series 5000, 6000
344	Tires, 8.25-20-12 pr		Series 5000, 6000
615	Less rear fender equipment		Models 3102-03-12 *

5-1-50. Revised: 7-17-50, * - Model usage changed; x - 55 amp generator equipment added; * - RPO 615 added.



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