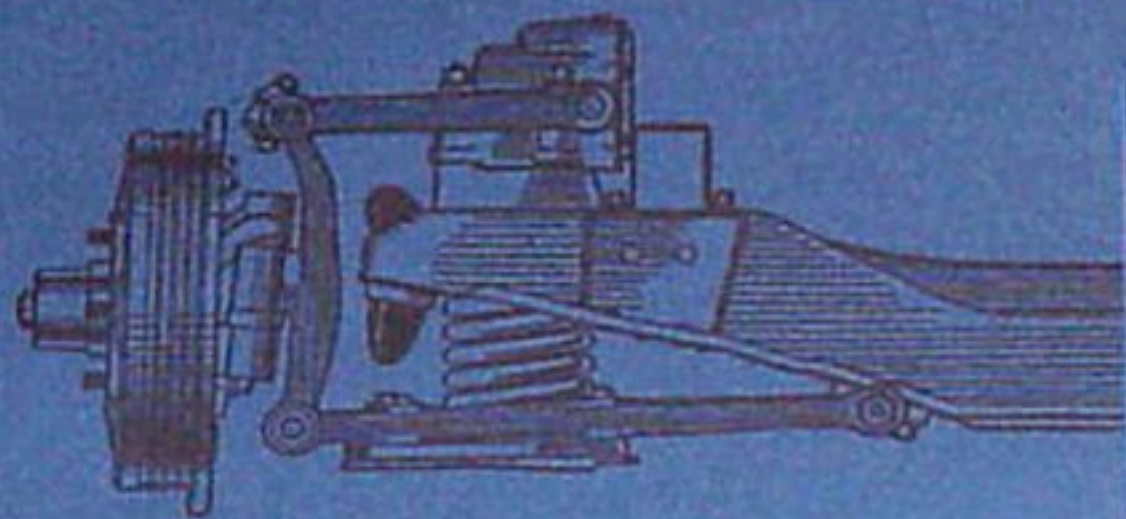


CHEVROLET



1939 ENGINEERING
FEATURES

CHEVROLET



1939 Chevrolet, Master Deluxe, coach, HAC

1939

ORIGINAL

**CHEVROLET
1939
SPECIFICATIONS**

ISSUED TO

11/26

11/29

Prepared
by
**CHEVROLET—CENTRAL OFFICE
ENGINEERING DEPARTMENT**
Division of General Motors Corporation
Detroit, Michigan

Illustrated in U. S. S.

CHEVROLET - CENTRAL OFFICE

DIVISION OF GENERAL MOTORS CORPORATION

DETROIT, MICHIGAN

GENERAL MOTORS BUILDING



December 15, 1936

Dear Sir:

The following specifications are prepared for your use. They pertain only to passenger cars and trucks manufactured for domestic service. No information is furnished concerning cars or trucks built on Central Office production orders or vehicles exported to other countries. Except where noted, all data are for cars and trucks with regular equipment. Regular production options are labelled RPO. As it is our practice to check these specifications regularly and to reissue sheets on which changes occur, you may be certain that these data are constantly up-to-date.

This book has been prepared from our conception of your needs, and this conception is based on the types of questions concerning our products which we have been asked by you and others in the Chevrolet organization. If the information is not clear, or if you wish additional information, please write to the Engineering Department Data Group, A-6 General Motors Building, Detroit. We will be pleased to consider your suggestions.

As you will notice, every effort has been made to make the information easy to find. The table of contents on the next page lists the subjects in the order in which they occur. And, again, the subject headings are reprinted at the bottom of each page. The index at the rear of the book deals with the details covered by the general subject headings.

Very truly yours,

CHIEF ENGINEER

CHEVROLET 1939 SPECIFICATIONS














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REGULAR MODELS						
VEHICLE TYPE	MODEL NAME	RATED CAPACITY	WHEEL BASE	TIRES	REAR WHEELS	MODEL SYMBOL
Passenger cars & commercial cars on pass. car chassis	Master Deluxe	None	112-1/4"	Reg-ular		JA
	Master 65					JB
Commercial Type Trucks	Light Delivery	1/2 Ton	113-1/2"	Reg-ular	Single	Master JC
	3/4 Ton	3/4 Ton	125-3/4"			Master JL
	3/4 Ton Special RPO			RPO	Master JM	
		1 Ton RPO	RPO	Master VA		
Utility Type Conventional Trucks	Heavy Duty	1-1/2 Ton	135"	Reg-ular		Master VB
				RPO	Dual	Master Special VE
			156-1/2"	Reg-ular	Single	Master VC
				RPO	Dual	Master VD
			107-5/8"	Reg-ular	Single	Master VE
				RPO	Dual	Master Special VF
Utility Type Cab-Over-Engine Trucks	Heavy Duty	1-1/2 Ton	131-1/8"	Reg-ular	Single	Master VG
				RPO	Dual	Master Special VH
			156-5/8"	Reg-ular	Single	Master VI
				RPO	Dual	Master Special VJ

**VEHICLE TYPES—PASSENGER CARS—112¹/₄' WHEELBASE
(REGULAR PASSENGER CAR TYPES)**

MASTER DELUXE		MASTER #1	
CHASSIS WITH COIL AND WINDSHIELD	Symbol FCH	CHASSIS WITH COIL AND WINDSHIELD	Symbol FCH
			
For mounting bodies other than Chevrolet.		For mounting bodies other than Chevrolet.	
SEDAN	Symbol SED	SEDAN	Symbol SED
			
5 passenger, 4 door closed body.		5 passenger, 4 door closed body.	
CLUB SEDAN (SPORT SEDAN)	Symbol CSED	CLUB SEDAN (SPORT SEDAN)	Symbol CSED
			
5 passenger, 4 door closed body with trunk.		5 passenger, 4 door closed body with trunk.	
COACH	Symbol COA	COACH	Symbol COA
			
5 passenger, 2 door closed body.		5 passenger, 2 door closed body.	
TOWN SEDAN	Symbol TSED	TOWN SEDAN	Symbol TSED
			
5 passenger, 2 door closed body with trunk.		5 passenger, 2 door closed body with trunk.	
COUPE 4 (FOUR PASSENGER COUPE)	Symbol CPK4		
			
4 passenger, 2 door closed body with 2 opera seats. Luggage compartment in rear deck. 5 windows.			
COUPE 2 (BUSINESS COUPE)	Symbol CPK2	COUPE 2 (BUSINESS COUPE)	Symbol CPK2
			
2 passenger, 2 door closed body with luggage compartments in body and rear deck. 5 windows.		2 passenger, 2 door closed body with luggage compartments in body and rear deck. 5 windows.	

VEHICLE TYPES—COMMERCIAL CARS—112¼" WHEELBASE (ON PASSENGER CAR CHASSIS)

STATION WAGON with rear upper curtain Symbol STWR
 STATION WAGON with lift gate Symbol STWG
 (Mounted on MASTER DELUXE chassis)



8 passenger, 4 door closed body

COUPE PICKUP Car symbol CPES
 (Mounted on MASTER 85 chassis) Body symbol CPB



2 passenger Business Coupe with Pickup box.

STATION WAGON with rear upper curtain Symbol STWR
 STATION WAGON with lift gate Symbol STWG
 (Mounted on MASTER 85 chassis)



8 passenger, 4 door closed body

SEDAN DELIVERY Symbol SDL
 (Mounted on MASTER 85 chassis)



2 pass. panel body with 1 rear door. Exterior rear view mirror. R.P.O. equipment: screen partition, rear window screen, panel rack & ladder support.

VEHICLE TYPES—LIGHT DELIVERY TRUCKS—113¼" WHEELBASE (HALF-TON RATED CAPACITY)

STRIPPED CHASSIS (RPO) No symbol

Less sheet metal, running boards, fenders, bumpers, and spare tire.

CHASSIS WITH FLAT FACE COIL Symbol CCF

For mounting bodies other than Chevrolet



CHASSIS WITH COIL AND WINDSHIELD (RPO) No symbol

For mounting bodies other than Chevrolet



CHASSIS WITH CAB Symbol CCAB

For mounting bodies other than Chevrolet



PICKUP TRUCK Truck symbol CCBX
 Body symbol PUB
 Top symbol FURT

Chassis, Cab, and pickup box (Top-Special equipment)



PANEL TRUCK Truck symbol CPAB
 Body symbol CPB

Panel body with 2 rear doors.



CANOPY EXPRESS TRUCK

No truck symbol
 Body symbol CXST
 No screen symbol

Open side body with steel canopy roof and tail gate.



Side screens are R.P.O. equipment

CLOSED (CARRYALL) SUBURBAN

With tail gate and upper door, truck symbol CSUG
 Body symbol CCSG







With panel type rear doors, truck symbol CSUD
 Body symbol CCS

8 passenger closed body.









12-18-30. 4-21-30 Station Wagon, Sedan Delivery, Stripped Chassis and Closed Suburban revised.

VEHICLE TYPES— $\frac{3}{4}$ -TON TRUCKS—123" WHEELBASE.

<p>STRIPPED CHASSIS(RFO) No symbol</p> <p>Less sheet metal, running boards, fenders, bumpers, and spare tire.</p> <p>For mounting bodies other than Chevrolet.</p>	<p>CHASSIS WITH FLAT FACE COWL Symbol CLCH</p> <p>Rear fenders and long running boards (RFO).</p>  <p>For mounting bodies other than Chevrolet.</p>	<p>CHASSIS WITH COWL AND WINDSHIELD(RFO) No symbol</p> <p>Rear fenders and long running boards (RFO)</p>  <p>For mounting bodies other than Chevrolet.</p>
<p>CHASSIS WITH CAB Symbol CLCA</p> <p>Rear fenders and long running boards (RFO).</p>  <p>For mounting bodies other than Chevrolet.</p>	<p>PICKUP TRUCK Truck symbol CLB3 Body symbol CLP3</p>  <p>Chassis, cab, and pickup box.</p>	
<p>PANEL TRUCK Truck symbol CLPA Body symbol CLPN</p>  <p>Panel body with 2 rear doors.</p>	<p>STAKE TRUCK Truck symbol CLS1 Platform symbol CLPL Stakes symbol CLST</p>  <p>Chassis, cab, platform, and stakes. (Also available without stake equipment.)</p>	

VEHICLE TYPES— $\frac{3}{4}$ -TON SPECIAL TRUCKS—123" WHEELBASE.








NOTE: These trucks are the same as the $\frac{3}{4}$ TON TRUCKS except that heavier rear springs and tires, larger rear brakes and stronger wheels are used. This equipment is RFO equipment.

<p>CHASSIS WITH FLAT FACE COWL (RFO) No symbol</p> <p>Rear fenders and long running boards (RFO).</p>  <p>For mounting bodies other than Chevrolet.</p>	<p>CHASSIS WITH COWL AND WINDSHIELD (RFO) No symbol</p> <p>Rear fenders and long running boards (RFO).</p>  <p>For mounting bodies other than Chevrolet.</p>
<p>CHASSIS WITH CAB (RFO) No symbol</p> <p>Rear fenders and long running boards (RFO).</p>  <p>For mounting bodies other than Chevrolet.</p>	<p>PICKUP TRUCK (RFO) No truck symbol Body symbol CLP3</p>  <p>Chassis, cab, and pickup box.</p>
<p>PANEL TRUCK (RFO) No truck symbol Body symbol CLPN</p>  <p>Panel body with 2 rear doors.</p>	<p>STAKE TRUCK (RFO) No truck symbol Platform symbol CLPL Stakes symbol CLST</p>  <p>Chassis, cab, platform, and stakes. (Also available without stake equipment.)</p>

10-15-38. 4-21-39, Chassis and Chassis with Cab descriptions revised.

VEHICLE TYPES-HEAVY DUTY CONVENTIONAL TRUCKS-133' WHEELBASE (ONE-TON RATED CAPACITY-SINGLE REAR WHEELS)

* NOTE - These trucks are the same as the Heavy Duty Conventional 1-1/2 Ton Trucks with single rear wheels except that lighter rear springs with 6.00-20-6 ply tires are used.

<p>STRIPPED CHASSIS (RPO) No symbol</p> <p>Less sheet metal, running boards, fenders, bumpers, and spare tire.</p> <p>For mounting bodies other than Chevrolet.</p>	<p>CHASSIS WITH FLAT FACE COME (RPO) No symbol</p> <p>Rear fenders and long running boards (RPO).</p>  <p>For mounting bodies other than Chevrolet.</p>
<p>CHASSIS WITH COME AND WINDSHIELD(RPO) No symbol</p> <p>Rear fenders and long running boards (RPO).</p>  <p>For mounting bodies other than Chevrolet.</p>	<p>CHASSIS WITH CAB(RPO) No symbol</p> <p>Rear fenders and long running boards (RPO).</p>  <p>For mounting bodies other than Chevrolet.</p>
<p>PANEL TRUCK Truck symbol UPAN Body symbol UPN</p>  <p>Panel body with 2 rear doors.</p>	<p>PICKUP TRUCK(RPO) No truck symbol Body symbol UK</p>  <p>Chassis, cab, and pickup box.</p>
<p>CANOPY EXPRESS TRUCK(RPO) No truck symbol Body symbol UEST No screen symbol</p>  <p>Side screens are RPO equipment.</p> <p>Open side body with steel canopy roof & tail gate.</p>	<p>STAKE TRUCK(RPO) No truck symbol Platform symbol UPLA Stakes symbol USTA</p>  <p>Chassis, cab, platform, and stakes. (Also available without stake equipment).</p>

VEHICLE TYPES-HEAVY DUTY CONVENTIONAL TRUCKS-133' WHEELBASE (1 1/2-TON RATED CAPACITY)















SINGLE REAR WHEELS	DUAL REAR WHEELS
<p>STRIPPED CHASSIS(RPO) No symbol</p> <p>Less sheet metal, running boards, fenders, bumpers, and spare tire.</p> <p>For mounting bodies other than Chevrolet.</p>	<p>STRIPPED CHASSIS(RPO) No symbol</p> <p>Less sheet metal, running boards, fenders, bumpers, and spare tire.</p> <p>For mounting bodies other than Chevrolet.</p>

CONTINUED

12-15-36. 4-21-39. * - 6.00-20-6 ply tires added. Chassis, Chassis with Cab and Canopy Express descriptions revised.











CHEVROLET 1939 SPECIFICATIONS

VEHICLE TYPES—HEAVY DUTY CONVENTIONAL TRUCKS— 133' WHEELBASE (Continued) (1½-TON RATED CAPACITY)

SINGLE REAR WHEELS	DUAL REAR WHEELS
<p>CHASSIS WITH FLAT FACE COWL Symbol UCB</p>  <p>Rear fenders and long running boards (RPO).</p> <p>For mounting bodies other than Chevrolet.</p>	<p>CHASSIS WITH FLAT FACE COWL Symbol DCB</p>  <p>Rear fenders and long running boards (RPO).</p> <p>For mounting bodies other than Chevrolet.</p>
<p>CHASSIS WITH COWL & WINDSHIELD(RPO) No symbol</p>  <p>Rear fenders and long running boards (RPO).</p> <p>For mounting bodies other than Chevrolet.</p>	<p>CHASSIS WITH COWL & WINDSHIELD(RPO) No symbol</p>  <p>Rear fenders and long running boards (RPO).</p> <p>For mounting bodies other than Chevrolet.</p>
<p>CHASSIS WITH CAB Symbol UCAB</p>  <p>Rear fenders and long running boards (RPO).</p> <p>For mounting bodies other than Chevrolet.</p>	<p>CHASSIS WITH CAB Symbol DCAB</p>  <p>Rear fenders and long running boards (RPO).</p> <p>For mounting bodies other than Chevrolet.</p>
<p>PICKUP TRUCK No truck symbol Body symbol UX</p>  <p>Chassis, cab, and pickup box.</p>	<p>PICKUP TRUCK No truck symbol Body Symbol UX</p>  <p>Chassis, cab, and pickup box.</p>
<p>PANEL TRUCK Truck symbol UPAN Body symbol UPB</p>  <p>Panel body with 2 rear doors.</p>	<p>PANEL TRUCK No truck symbol Body symbol UPB</p>  <p>Panel body with 2 rear doors.</p>
<p>CANOPY EXPRESS TRUCK No truck symbol Body symbol UXST</p>  <p>Side screens are RPO equipment.</p> <p>Open side body with steel canopy roof & tail gate.</p>	<p>CANOPY EXPRESS TRUCK No truck symbol Body symbol UXST</p>  <p>Side screens are RPO equipment.</p> <p>Open side body with steel canopy roof & tail gate.</p>
<p>STAKE TRUCK No truck symbol Platform symbol UPLA Stakes symbol USTA</p>  <p>Chassis, cab, platform, and stakes. (Also available without stake equipment.)</p>	<p>STAKE TRUCK Truck symbol DST Platform symbol UPLA Stakes symbol USTA</p>  <p>Chassis, cab, platform, and stakes. (Also available without stake equipment.)</p>

12-15-38. 4-21-39. * added. Chassis, chassis with cab, and canopy express descriptions revised.


VEHICLE TYPES-HEAVY DUTY CONVENTIONAL TRUCKS- 150" WHEELBASE (1½-TON RATED CAPACITY)

SINGLE REAR WHEELS		DUAL REAR WHEELS	
STRIPPED CHASSIS (RPO)	No symbol	STRIPPED CHASSIS (RPO)	No symbol
Less sheet metal, running boards, fenders, bumpers, and spare tire.		Less sheet metal, running boards, fenders, bumpers, and spare tire.	
For mounting bodies other than Chevrolet.		For mounting bodies other than Chevrolet.	
CHASSIS WITH FLAT FACE COME	Symbol ULGH	CHASSIS WITH FLAT FACE COME	Symbol DLGH
			
For mounting bodies other than Chevrolet.		For mounting bodies other than Chevrolet.	
CHASSIS WITH COME & WINDSHIELD(RPO)	No symbol	CHASSIS WITH COME & WINDSHIELD(RPO)	No symbol
			
For mounting bodies other than Chevrolet.		For mounting bodies other than Chevrolet.	
CHASSIS WITH CAB	Symbol ULCA	CHASSIS WITH CAB	Symbol DLCA
			
For mounting bodies other than Chevrolet.		For mounting bodies other than Chevrolet.	
STAKE TRUCK	No truck symbol Platform symbol DPLA Stakes symbol DSTA	STAKE TRUCK	Truck symbol DLST Platform symbol DPLA Stakes symbol DSTA
			
Chassis, cab, platform, and stakes. (Also available without stake equipment.)		Chassis, cab, platform, and stakes. (Also available without stake equipment.)	
STAKE EXPRESS TRUCK	No truck symbol Platform symbol DPLX Stakes symbol DSTX	STAKE EXPRESS TRUCK	No truck symbol Platform symbol DPLX Stakes symbol DSTX
			
Chassis, cab, platform, stakes, and tail gate. (Also available without stake equipment.)		Chassis, cab, platform, stakes, and tail gate. (Also available without stake equipment.)	





CONTINUED

18-15-36. 4-21-39, Stripped chassis descriptions revised.



VEHICLE TYPES—HEAVY DUTY CONVENTIONAL TRUCKS—158½' WHEELBASE (Continued) (1½-TON RATED CAPACITY)

SINGLE REAR WHEELS		DUAL REAR WHEELS	
STOCK RACE (or HIGH RACK) TRUCK	No truck symbol Platform symbol DPLA Stakes symbol DSTO	STOCK RACE (or HIGH RACK) TRUCK	No truck symbol Platform symbol DPLA Stakes symbol DSTO
			
Chassis, cab, platform, and high stakes.		Chassis, cab, platform, and high stakes.	

VEHICLE TYPES—HEAVY DUTY CAB-OVER-ENGINE TRUCK—107½' WHEELBASE. (1½-TON RATED CAPACITY)







SINGLE REAR WHEELS		DUAL REAR WHEELS	
CHASSIS WITH CAB	Symbol FCAB	CHASSIS WITH CAB	Symbol FDCA
			
For mounting bodies other than Chevrolet.		For mounting bodies other than Chevrolet.	
STAKE TRUCK	No truck symbol Platform symbol FDPL Stakes symbol FUSTA	STAKE TRUCK	Truck symbol FDSF Platform symbol FDPL Stakes symbol FUSTA
			
Chassis, cab, platform, and stakes. (Also available without stake equipment).		Chassis, cab, platform, and stakes. (Also available without stake equipment).	

VEHICLE TYPES—HEAVY DUTY CAB-OVER-ENGINE TRUCKS—131½' WHEELBASE (1½-TON RATED CAPACITY)



SINGLE REAR WHEELS		DUAL REAR WHEELS	
CHASSIS WITH CAB	Symbol FLCA	CHASSIS WITH CAB	Symbol FDLCA
			
For mounting bodies other than Chevrolet.		For mounting bodies other than Chevrolet.	

CONTINUED

**VEHICLE TYPES—HEAVY DUTY CAB-OVER-ENGINE TRUCKS—
131½" WHEELBASE (Continued) (1½-TON RATED CAPACITY)**

SINGLE REAR WHEELS		DUAL REAR WHEELS	
STAKE TRUCK	No truck symbol Platform symbol FDLPL Stakes symbol FUSTA	STAKE TRUCK	Truck symbol FDLST Platform symbol FDLPL Stakes symbol FUSTA
			
Chassis, cab, platform, and stakes (Also available without stake equipment).		Chassis, cab, platform, and stakes (Also available without stake equipment).	
STAKE EXPRESS TRUCK	No truck symbol Platform symbol FDLPX Stakes symbol FUSTX	STAKE EXPRESS TRUCK	No truck symbol Platform symbol FDLPX Stakes symbol FUSTX
			
Chassis, cab, platform, stakes, and tail gate.		Chassis, cab, platform, stakes, and tail gate.	
STOCK RACE TRUCK	No truck symbol Platform symbol FDLPI Stakes symbol FUSTO	STOCK RACE TRUCK	No truck symbol Platform symbol FDLPI Stakes symbol FUSTO
			
Chassis, cab, platform, and high stakes.		Chassis, cab, platform, and high stakes.	

**VEHICLE TYPES—HEAVY DUTY CAB-OVER-ENGINE TRUCKS—
156½" WHEELBASE (1½-TON RATED CAPACITY)**

SINGLE REAR WHEELS		DUAL REAR WHEELS	
CHASSIS WITH CAB	Symbol FVCA	CHASSIS WITH CAB	Symbol FVCA
			
For mounting bodies other than Chevrolet.		For mounting bodies other than Chevrolet.	

UNIT SERIAL NUMBERS

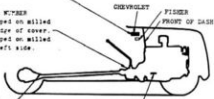
UNITS		PASSENGER CARS		CONVENTIONAL TRUCKS			HEAVY DUTY COE TRUCKS	
		MASTER DELUXE	MASTER 80	LIGHT DELIVERY	3/4 TON	3/4 TON SPECIAL		HEAVY DUTY
Vehicle	Numbers	The first figure in the vehicle serial number indicates the location of the Assembly Plant: 1-Flint, Michigan; 2-Tarrytown, N.Y.; 3-St. Louis, Missouri; 4-Kansas City, Missouri; 6-Oakland, California; 8-Atlanta, Georgia; 9-Norwood, Ohio; 12-Buffalo, N.Y.; 14-Baltimore, Maryland; 21-Janeville, Wisconsin. The letter prefix indicates the year model and is followed by the month number. The concluding figures of the serial number start at 1001 at each Assembly plant and continue in numerical sequence. For example, 1J804-64282 is the serial number of the 64282nd 1939 Master 80 passenger car, and was made at Flint in April.						
Engine	Numbers	Engine serial numbers start at 1910447 at Flint and at 8-10503 at Tonawanda. The number is preceded by prefix letters designating the various models and plants as shown below.						
	Flint	No prefix		E	AT	T	H	
	Tonawanda	B		EB	ATB	TB	- - -	
Transmission	Numbers	Transmission serial numbers start with the numbers listed below and continue in numerical sequence up to 99999 for each model and plant as indicated by the prefix letter. When the numbers reach 99999 they start over again with 00001 and are preceded by the next alphabetical prefix letter. Examples: 1J804-64282 to 2E, 2E changes to 3E, 3E changes to 4E etc. The letters C and Q are omitted.						
	Toledo	- - - - -				TD-44272		
	Saginaw	50-79130		SN-00341	- - - - -		- - - - -	
	Pontiac	MY-21428		- - -	Y-17138		N-87075	
Rear axle	Numbers	Rear axle serial numbers start at the numbers listed below with the prefix letters for the various plants and models as shown.						
	Detroit	REC	1563367	C-1563367	1563367	T-1563367	1001	
		RPC	- - -	- - -	F-1563367	- - -	- - -	B-1001 (6.166 A.)
		RPC	- - -	- - -	- - - - -	- - - - -	- - - - -	2H-1001 (2 Speed A.)
	Tonawanda	REC	B-11499	CB-11499	B-11499	TB-11499	B-1001	
RPC		- - -	- - -	FB-11499	- - -	- - -	NB-1001 (6.166 A.)	

SERIAL NUMBER LOCATIONS

* - VEHICLE SERIAL NUMBER - Stamped on plate under hood on right side of cowl panel. "C" stamped in upper right corner of plate on passenger cars with conventional gearshift.

TRANSMISSION SERIAL NUMBER

3-Speed transmission - Stamped on milled surface of case at rear edge of cover.
4-Speed transmission - Stamped on milled surface on base of case left side.



REAR AXLE SERIAL NUMBER

4.22, 4.111, 3.618 and 3.727 ratio axles - Stamped on upper front surface (rough) of differential carrier.
5.428 and 6.166 ratio axles - Stamped on center upper surface of differential carrier.
Two-speed axle - Stamped on top of differential carrier just forward of shift lever.

ENGINE SERIAL NUMBER

Stamped on milled pad on crankcase to rear of distributor on right side of engine.

VEHICLE WEIGHT CONDITIONS

SHIPPING WEIGHT - Total weight of vehicle with all regular equipment. This includes front bumpers on all models, rear bumpers (except on 3/4 Ton and 3/4 Ton Special stake trucks and all Heavy Duty trucks) bumper guards on all Master Deluxe models (except rear bumper guards on Station Wagon) spare wheel, tire (except Heavy Duty), tool kit, and grease or oil in all units. On passenger body types where the spare tire is carried outside the

body, the shipping weight includes tire cover and lock.

CURB WEIGHT - This is the weight of the empty vehicle ready to drive. It is the shipping weight plus the weight of gasoline and water.

GROSS ALLOWABLE WEIGHT - This is the total weight of the loaded truck. It is the weight of the chassis, cab, and body (or single unit body) plus the driver, payload, gasoline, and water.

	MASTER DELUXE		MASTER 80	
	Shipping	Curb	Shipping	Curb
Chassis with Cowl and Windshield (Short Sill)	2165#	2280#	2100#	2215#
On front wheels	1325#	1340#	1300#	1315#
On rear wheels	840#	940#	800#	900#
Sedan	2275#	2390#	2200#	2315#
On front wheels	1460#	1475#	1420#	1435#
On rear wheels	1415#	1515#	1385#	1485#
Sport Sedan	2310#	2425#	2245#	2360#
On front wheels	1470#	1485#	1435#	1450#
On rear wheels	1440#	1840#	1410#	1510#
Coach	2355#	2470#	2290#	2405#
On front wheels	1455#	1470#	1410#	1425#
On rear wheels	1410#	1510#	1385#	1485#
Town Sedan	2275#	2390#	2200#	2315#
On front wheels	1465#	1480#	1425#	1440#
On rear wheels	1410#	1510#	1385#	1495#
Business Coupe	2245#	2360#	2180#	2295#
On front wheels	1485#	1500#	1455#	1465#
On rear wheels	1360#	1450#	1345#	1435#
Four-Passenger Coupe	2245#	2360#	- - -	- - -
On front wheels	1450#	1465#	- - -	- - -
On rear wheels	1395#	1495#	- - -	- - -
Coupe Pickup	- - -	- - -	2295#	2410#
On front wheels	- - -	- - -	1415#	1455#
On rear wheels	- - -	- - -	1510#	1600#
Sedan Delivery	- - -	- - -	2295#	2410#
On front wheels	- - -	- - -	1415#	1455#
On rear wheels	- - -	- - -	1410#	1500#
Station Wagon	3060#	3175#	3010#	3125#
On front wheels	1490#	1495#	1440#	1455#
On rear wheels	1580#	1680#	1570#	1670#

NOTE - When any of the above models are equipped with Vacuum Gearshift, add 20# to the weight shown.

12-15-38. 2-8-39 - Shipping weight description revised, Chassis and Coupe Pickup weights added, Station Wagon weights revised.

VEHICLE WEIGHTS

COMMERCIAL TYPE TRUCK WEIGHTS

CHASSIS AND BODY TYPES (Regular equipment)	LIGHT DELIVERY		3/4 TON		3/4 TON SPECIAL	
	Shipping	Curb	Shipping	Curb	Shipping	Curb
Stripped Chassis						
On front wheels						
On rear wheels						
Chassis with Flat Face Cowl	2100*	2310*	2350*	2490*	* 2540*	* 2600*
On front wheels	1370*	1390*	1410*	1490*	1470*	1500*
On rear wheels	800*	920*	940*	1010*	1070*	1100*
Chassis with Cowl and Windshield						
On front wheels						
On rear wheels						
Chassis with Cab	2580*	2730*	2740*	2880*	* 2930*	* 3070*
On front wheels	1540*	1620*	1620*	1710*	1670*	1760*
On rear wheels	1040*	1090*	1120*	1170*	1260*	1310*
Pickup truck	2780*	2900*	3030*	3170*	* 3220*	* 3360*
On front wheels	1610*	1590*	1640*	1730*	1710*	1790*
On rear wheels	1170*	1330*	1390*	1440*	1510*	1560*
Panel truck	3050*	3160*	3270*	3410*	* 3450*	* 3590*
On front wheels	1480*	1540*	1600*	1660*	1650*	1720*
On rear wheels	1540*	1610*	1670*	1750*	1800*	1870*
Canopy Express truck	* 3020*	* 3150*	- - -	- - -	- - -	- - -
On front wheels	1490*	1580*	- - -	- - -	- - -	- - -
On rear wheels	1630*	1600*	- - -	- - -	- - -	- - -
Carryall Suburban truck	* 3210*	* 3340*	- - -	- - -	- - -	- - -
On front wheels	1490*	1580*	- - -	- - -	- - -	- - -
On rear wheels	1710*	1750*	- - -	- - -	- - -	- - -
Stake Rack truck	- - -	- - -	3500*	3440*	* 3490*	* 3530*
On front wheels	- - -	- - -	1650*	1740*	1730*	1820*
On rear wheels	- - -	- - -	1650*	1700*	1760*	1810*

NOTE - For weight conditions see page 14; for Gross Allowable weights see page 17.

HEAVY DUTY CONVENTIONAL TRUCK WEIGHTS

CHASSIS AND BODY TYPES (REGULAR EQUIPMENT)	135" WHEELBASE						155-1/2" WHEELBASE					
	SINGLE WHEELS				DUAL WHEELS		SINGLE WHEELS			DUAL WHEELS		
	1-ton rating						1-1/2 ton rating					
	Ship.	Curb	Ship.	Curb	Ship.	Curb	Ship.	Curb	Ship.	Curb	Ship.	Curb
Stripped chassis												
On front wheels												
On rear wheels												
Chassis with flat face cowl			2900*	3175*	3110*	3290*	3045*	3265*	3100*	3300*		
On front wheels			1660*	1740*	1655*	1735*	1725*	1810*	1720*	1810*		
On rear wheels			1300*	1435*	1455*	1555*	1320*	1420*	1435*	1540*		
Chassis with cowl & windshield												
On front wheels												
On rear wheels												
Chassis with cab			3350*	3550*	3490*	3670*	3420*	3615*	3575*	3755*		
On front wheels			1895*	1975*	1890*	1970*	1975*	2065*	1970*	2060*		
On rear wheels			1460*	1575*	1600*	1700*	1445*	1560*	1600*	1695*		
Pickup truck												
On front wheels												
On rear wheels												
Panel truck	4000*	4200*	- - -	- - -								
On front wheels	1885*	1935*	- - -	- - -								
On rear wheels	2115*	2265*	- - -	- - -								
Canopy express truck *			4015*	4210*								
On front wheels			1865*	1945*								
On rear wheels			2150*	2265*								
Stake rack truck					4300*	4490*				4555*	4755*	
On front wheels					1890*	1970*				2025*	2115*	
On rear wheels					2410*	2510*				2560*	2650*	
Stake express truck	- - -	- - -	- - -	- - -	- - -	- - -						
On front wheels	- - -	- - -	- - -	- - -	- - -	- - -						
On rear wheels	- - -	- - -	- - -	- - -	- - -	- - -						
Stake rack truck	- - -	- - -	- - -	- - -	- - -	- - -						
On front wheels	- - -	- - -	- - -	- - -	- - -	- - -						
On rear wheels	- - -	- - -	- - -	- - -	- - -	- - -						

HEAVY DUTY CAB-OVER-ENGINE TRUCK WEIGHTS

CHASSIS AND BODY TYPES (REGULAR EQUIPMENT)	127-1/2" WHEELBASE				131-1/8" WHEELBASE				156-5/8" WHEELBASE			
	SINGLE WHEELS		DUAL WHEELS		SINGLE WHEELS		DUAL WHEELS		SINGLE WHEELS		DUAL WHEELS	
	Ship.	Curb	Ship.	Curb	Ship.	Curb	Ship.	Curb	Ship.	Curb	Ship.	Curb
Chassis and cab *			5020*	5020*			5715*	5900*				
On front wheels			2190*	2205*			2255*	2345*				
On rear wheels			1440*	1545*			1460*	1555*				
Stake rack truck *			4450*	4535*			4775*	4960*	- - -	- - -	- - -	- - -
On front wheels			2225*	2310*			2340*	2430*	- - -	- - -	- - -	- - -
On rear wheels			2030*	2035*			2435*	2530*	- - -	- - -	- - -	- - -
Stake express truck	- - -	- - -	- - -	- - -					- - -	- - -	- - -	- - -
On front wheels	- - -	- - -	- - -	- - -					- - -	- - -	- - -	- - -
On rear wheels	- - -	- - -	- - -	- - -					- - -	- - -	- - -	- - -
Stake rack truck	- - -	- - -	- - -	- - -					- - -	- - -	- - -	- - -
On front wheels	- - -	- - -	- - -	- - -					- - -	- - -	- - -	- - -
On rear wheels	- - -	- - -	- - -	- - -					- - -	- - -	- - -	- - -

NOTE - For weight conditions see page 14; for Gross Allowable Weights see page 17.

12-15-38. 2-8-39- weights added, * 127-1/2" W.B. COE C.V. weights added and 131-1/8" W.B. weights revised.

CHEVROLET 1939 SPECIFICATIONS

17

TRUCK GROSS ALLOWABLE WEIGHTS

MODEL	NOMINAL RATING	FRONT TIRES	REAR TIRES	GROSS WEIGHT	EQUIPMENT	
LIGHT DELIVERY	1/2 TON	6.00 x 16-4 Ply	6.00 x 16-4 Ply	4400w	A	
		6.00 x 16-6 Ply	6.00 x 16-6 Ply	4600w +		
3/4 TON	3/4 TON	15" x 6 Ply	15" x 6 Ply	5200w	B	
		3/4 TON SPECIAL	7.00 x 17-6 Ply	7.00 x 17-6 Ply		5600w +
HEAVY DUTY	1-1/2 TON CONVENTIONAL AND CAB-OVER-ENGINE	6.00 x 20-6 Ply	6.00 x 20-6 Ply	6700w	A	
		6.00 x 20-6 Ply	32 x 6-8 Ply	7700w		
	1-1/2 TON CONVENTIONAL AND CAB-OVER-ENGINE	6.00 x 20-6 Ply	32 x 6-10 Ply	8000w	C	
		6.50 x 20-6 Ply	32 x 6-10 Ply	9500w		
	1-1/2 TON CONVENTIONAL AND CAB-OVER-ENGINE	6.50 x 20-6 Ply	32 x 6-8 Ply	9500w	D	
		6.50 x 20-6 Ply	32 x 6-10 Ply	11,800w +		
	1-1/2 TON CONVENTIONAL AND CAB-OVER-ENGINE WIDE TWO-SPEED REAR AXLE	1-1/2 TON CONVENTIONAL AND CAB-OVER-ENGINE WIDE TWO-SPEED REAR AXLE	6.50 x 20-6 Ply	32 x 6-8 Ply	9500w	E
			32 x 6-8 Ply	32 x 6-10 Ply	11,800w	
			32 x 6-8 Ply	32 x 6-10 Ply	13,500w	
			32 x 6-8 Ply	34 x 7-10 Ply	18,000w +	
		32 x 6-8 Ply	34 x 7-10 Ply	14,000w +	F	

EQUIPMENT DATA

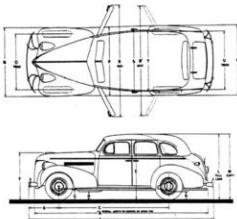
- A - Single rear tires only.
- B - Single rear tires, 9 leaf rear spring and 14 inch rear brakes.
- C - Dual rear tires only.
- D - Dual rear tires, auxiliary rear springs, and 6.17 rear axle.
- E - Dual rear tires, auxiliary rear springs, 6.17 axle, and governor set not to exceed 45 MPH.
- F - Dual rear tires and two-speed 6.64 and 1.22 axle.
- G - Dual rear tires, auxiliary rear springs, and two speed 6.64 and 6.22 rear axle.
- H - Dual rear tires, auxiliary rear springs, two speed 6.64 and 6.22 rear axle and governor set not to exceed 45 MPH.
- I - Light rear springs (8 leaves).

TRUCK EQUIPMENT WEIGHTS	LIGHT DELIVERY	3/4 TON	3/4 TON SPECIAL	H.D. 135" COE 107-5/8"	H.D. 156-1/8" COE 131-1/8"	COE 156-5/8"
Cab	Conventional truck cab 480*		Cab-Over-Engine cab 520*			
Flat fash cowl	78					
Cowl and windshield	107*					
Pickup box body	230	260		460		
Pickup top and curtains	100					
Carryall suburban body						
Panel body	919			1098		
Canopy express body						
Canopy express screens						
Stake platform		370		508*	640*	
Stake racks		100		258*	304*	
Stock racks					554*	
Express platform					614*	
Express racks					354*	
6.50 x 16-4 Ply tire and wheel	51-1/2					
6.00 x 16-4 Ply tire and wheel	43-1/4					
6.00 x 16-6 Ply tire and wheel	49-3/4					
6.00 x 20-6 Ply tire and wheel					85	
6.50 x 20-6 Ply tire and wheel					90	
15" x 6 Ply tire and wheel	61-1/4					
7.00 x 17-6 Ply tire and wheel			78			
30 x 8-8 Ply tire and wheel					86	
32 x 6-8 Ply tire and wheel					100	
32 x 6-10 Ply tire and wheel					125	
34 x 7-10 Ply tire and wheel					168.5*	
Auxiliary rear spring equipment					70*	

12-15-38. 2-8-39 - weights added.

VEHICLE WEIGHTS

PASSENGER CAR EXTERIOR DIMENSIONS

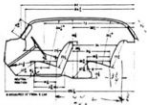
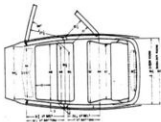
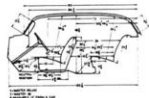
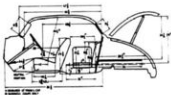
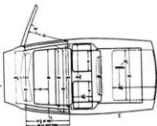


MASTER DELUXE					MASTER 88						
	SPORT SEDAN	TOWN SEDAN	SEDAN	COACH	BUSINESS COUPE	FOUR PASSENGER COUPE	SPORT SEDAN	TOWN SEDAN	SEDAN	COACH	BUSINESS COUPE
A	180"		190-1/4"			180"			190-1/4"		180"
B						176-1/8"					
C						112-1/4"					
D						30-3/4"					
E		60-1/2"			60"			60-1/2"			60"
F			48-7/32"					48-15/32"			
G			9-5/16"					* 8-5/8"			
H			8-1/4"					8-7/8"			
I						6-1/2"					
L		66-15/16"			66-5/16"			66-11/16"			66-5/16"
M		69-7/16"			69-13/16"			69-7/16"			69-13/16"
N						70-1/4"					
O			67-17/32"					66-5/8"			
P			72"					72-1/2"			
R	120-1/4"	129"	120-1/4"	129"	131"		120-1/4"	129"	120-1/4"	129"	121"
T	115"	None	115"	None	None		115"	None	115"	None	None
S						67-3/4" (except coupes)					
V						62-3/2" (except coupes)					
U						89"					
W						71-5/16"					

12-15-36. 2-8-39 - * Max 8-5/8".

PASSENGER CAR EXTERIOR DIMENSIONS

PASSENGER CAR BODY DIMENSIONS

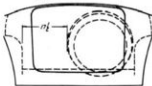
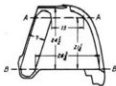
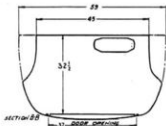
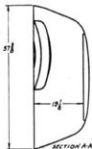
SEDAN & SPORT SEDAN

COUPE & TOURING SEDAN

BUSINESS COUPE & FOUR PASSENGER COUPE


PASSENGER CAR LUGGAGE SPACE

SPORT SEDAN & TOUR SEDAN

TRUNK LUGGAGE SPACE

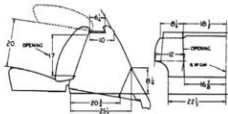
CAPACITY - 18 cubic feet

(spare wheel & tire not included) ? *weight in 12 x 18 ft.?*

SEDAN & COACH

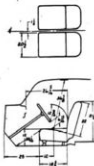
LUGGAGE SPACE

CAPACITY - 13 cubic feet



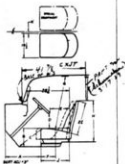
COMMERCIAL CAR AND TRUCK SEAT DIMENSIONS

SEDAN DELIVERY



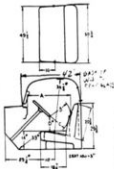
SEAT IN REARWARD POSITION
 40" x 17" FRONT OF SEAT

PANEL & CANOPY EXPRESS



LIGHT DELIVERY	A-25	B-12	C-39	D-8 1/2	E-12
MID & TON	F-12	G-25	H-28	J-10	K-1
HEAVY DUTY	A-25 1/2	B-12 1/2	C-42 1/2	D-7 1/2	E-12 1/2
PANEL	F-12 1/2	G-39 1/2	H-30	J-10 1/2	K-1 1/2
HEAVY DUTY	A-24	B-10 1/2	C-41 1/2	D-7 1/2	E-12 1/2
CANOPY EXPRESS	F-12 1/2	G-39 1/2	H-30	J-10 1/2	K-1 1/2

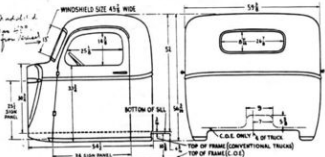
CAB



IN SEAT IN FORWARD POSITION, 37" x 15" FROM
 SEAT BACK WITH SEAT IN REAR POSITION.

	A	B	C	D
LIGHT DELIVERY AND TON	26 1/2	15 1/2	12 1/2	7 1/2
HEAVY DUTY	26 1/2	15 1/2	12 1/2	8 1/2
C. O. E.	28 1/2	13 1/2	12 1/2	8 1/2

TRUCK CAB EXTERIOR DIMENSIONS

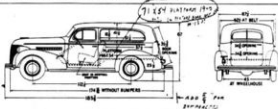


DOOR OPENING WIDTH AT BELT = 28 1/2

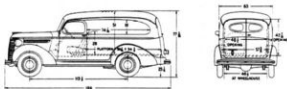
Mounting: Flexible (Springs under #2 and #3 bolts)

PANEL TYPE TRUCK BODY DIMENSIONS

SEDAN DELIVERY
(on MASTER 85 chassis)

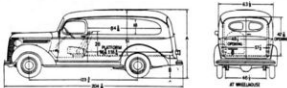


LIGHT DELIVERY PANEL



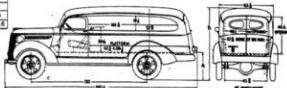
3/4 TON AND 3/4 TON
SPECIAL - PANEL

	3/4 TON	3/4 TON
A	79-1/2	81-3/16
B	27-5/16	29



HEAVY DUTY PANEL

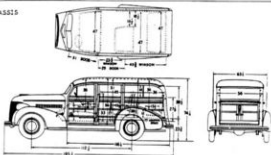
	1-1/2 TON	1 TON
S.W. D.W.	S.W.	S.W.
A	None	29-3/8
B	None	82-13/16
		85-3/16



NOTE: Unless otherwise specified, vertical dimensions show design load height with regular tire equipment.

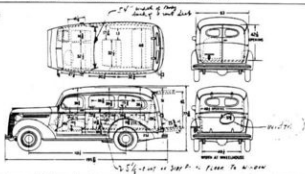
STATION WAGON BODY DIMENSIONS

STATION WAGON
ON PASSENGER CHASSIS



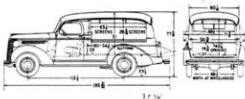
CARRYALL SUBURBAN BODY DIMENSIONS

LIGHT DELIVERY
CARRYALL SUBURBAN



NOTE: Unless otherwise specified, vertical dimensions show design load height with regular tire equipment.

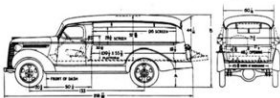
CANOPY EXPRESS TRUCK BODY DIMENSIONS

LIGHT DELIVERY
CANOPY EXPRESS

17 1/2"

HEAVY DUTY CANOPY EXPRESS

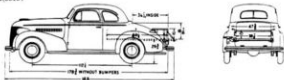
	1-1/2 TON		1 TON
	S.W.	D.W.	S.W.
A	29-1/4	26-27/32	26-15/32
B	32-1/16	32-21/32	32-9/32



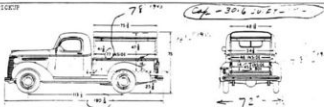
NOTE: Unless otherwise specified, vertical dimensions show design load height with regular tire equipment.

PICKUP TRUCK BODY DIMENSIONS

COUPE PICKUP
(ON MASTER 85 CHASSIS)



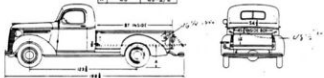
LIGHT DELIVERY PICKUP



NOTE: Pickup top is special equipment available on this model only.

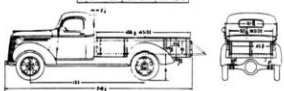
3/4 TON AND 3/4 TON
SPECIAL - PICKUP

	3/4 TON	3/4 T.S.
A	26	29-1/2



HEAVY DUTY PICKUP
(ON 133" W.B. CHASSIS)

	1-1/2 TON	1 TON
	30	33
A	31-9/16	29-3/4

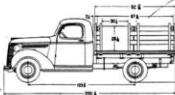


NOTE: Unless otherwise specified, vertical dimensions show design load height with regular tire equipment.

STAKE TRUCK BODY DIMENSIONS

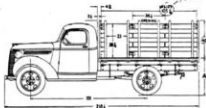
3/4 TON AND 3/4 TON
SPECIAL - STAKE

	3/4 TON	3/4 T. S.
A	23-3/16	24-11/16

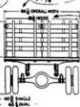
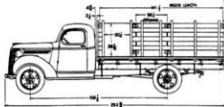


HEAVY DUTY STAKE
(ON 133" W.B. CHASSIS)

	1-1/2 TON	2 TON
S.W.	54	54
A	40-13/16	40-5/8
		40



HEAVY DUTY STAKE
(ON 136-1/2" W.B. CHASSIS)

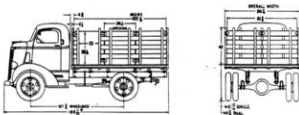


NOTE: Unless otherwise specified, vertical dimensions show design load height with regular tire equipment.

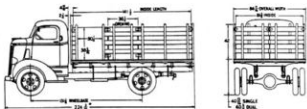
12-15-38

STAKE TRUCK BODY DIMENSIONS—Continued

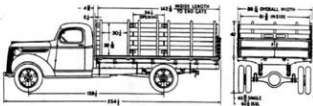
CAB-OVER-ENGINE STAKE
(ON 207-5/8 W.B. CHASSIS)



CAB-OVER-ENGINE STAKE
(ON 181-1/8" W.B. CHASSIS)



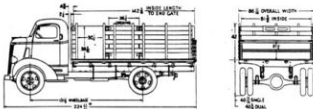
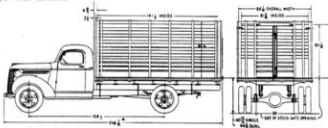
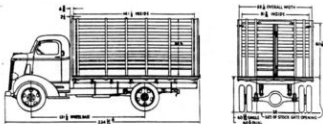
HEAVY DUTY STAKE EXPRESS
(ON 186-1/2" W.B. CHASSIS)



NOTE: Unless otherwise specified, vertical dimensions show design load height with regular tire equipment.

12-15-35. 2-8-39 - * Was 180-1/16, * Was 225-7/8.

STAKE TRUCK BODY DIMENSIONS—Continued

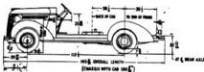
CAB-OVER-ENGINE STAKE EXPRESS
(ON 231-1/8" W.B. CHASSIS)HEAVY DUTY STOCK RACK
(ON 168-1/2" W.B. CHASSIS)CAB-OVER-ENGINE STOCK RACK
(ON 131-1/8" W.B. CHASSIS)

NOTE: Unless otherwise specified, vertical dimensions show design load height with regular tire equipment.

12-15-38. 2-8-39 - * Was 223-15/16, * Was 253-15/16, * Was 223-15/16.

TRUCK CHASSIS DIMENSIONS

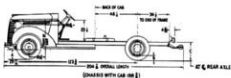
LIGHT DELIVERY CHASSIS



3/4 TON AND 3/4 TON SPECIAL CHASSIS

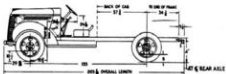
367016 - frame - motor.

	A	B	C
3/4 Ton	8-9/16"	7-15/16"	23"
3/4 T.S.	10-1/32"	9-13/32"	24-1/2"



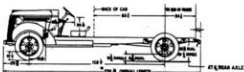
HEAVY DUTY TRUCK CHASSIS (135" W.B.)

	1-1/2 TON		
	S.W.	S.W.	S.W.
A	25-3/8"	25-21/32"	25-5/16"
B	8-5/8"	8-5/16"	8-5/16"



HEAVY DUTY TRUCK CHASSIS (150-1/2" W.B.)

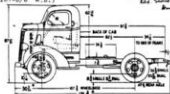
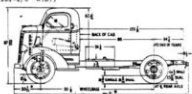
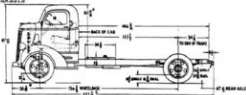
*3670068 End 4 wheel
Front delivery*



Note: Unless otherwise specified, vertical dimensions show design height with regular tire equipment.

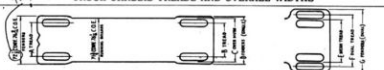
12-15-38. 4-21-39 Revised.

TRUCK CHASSIS DIMENSIONS (Continued)

CAB-OVER-ENGINE TRUCK CHASSIS
 (107-5/8" W.B.)

CAB-OVER-ENGINE TRUCK CHASSIS
 (131-1/8" W.B.)

CAB-OVER-ENGINE TRUCK CHASSIS
 (156-5/8" W.B.)


Note: Unless otherwise specified, vertical dimensions show design height with regular tire equipment.

TRUCK CHASSIS TREADS AND OVERALL WIDTHS



Light	TIRE EQUIPMENT	A	B	C	D	E	F	G
Deliv-ery	6.00-16-4 S.F. & R.	56-3/8"	59-1/4"	69"	70"			
	18"-6 S.F. & R.	57-3/4"	60-7/16"	69"				
3/4 Ton	18"-6 S.F. & R.	57-3/8"	60-7/16"	69"				
3/4 Ton	7.00-17-6 S.F. & R.	56-1/4"	59-9/32"	69-1/16"	71"			
Special	7.50-17-6 S.F. & R.							
1 Ton	6.00-20-6 S.F. & R.							
1-1/2 Ton	32 x 6-8 S.F. & R.	57-5/16"	57-25/32"	75-7/8"		66-1/32"	74-9/32"	80-15/16"
Conv.	6.00-20-6 S.F. & D.R.	56-1/16"	56-17/32"					
2 Speed	32 x 6-8 S.F. & D.R.	57-5/16"	60-8/32"	75-7/8"		66-21/32"	74-9/32"	80-15/16"
COE	6.25-20-10 D.R.	56-3/32"	56-8/32"					
1-1/2 Ton	6.00-20-6 S.F. & D.R.	56-3/32"	57-25/32"	75-7/8"		66-1/32"	74-9/32"	80-15/16"
COE	7.50-20-8 S.F. & D.R.	56-17/32"	60-8/32"					
2 Speed	32 x 6-8 S.F. & D.R.	56-3/32"	60-8/32"	75-7/8"		66-21/32"	74-9/32"	80-15/16"
COE	6.25-20-10 D.R.	56-8/32"	56-8/32"					

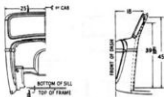
18-15-36. 2-8-39 * was 229-5/32", • was 29-7/8", a was 177-7/8". w was 201-3/8", a was 60-23/32", o was 2-7/16", g was 226-29/32". 4-21-39 revised.

CONVENTIONAL TRUCK COWL DIMENSIONS

FLAT FACE COWL UNIT



COWL AND WINDSHIELD UNIT

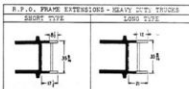


FRAMES

Side members	ITEM	PASS. CARS	TRUCKS*
	Frame type	Box girder	Conventional
	Section type	Box	Channel
	Material	H.R. pickled steel	
	Min. yield point	41000 lbs./sq. in.	
Elongation in 2"	35% to 40%		

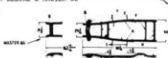
SIDE MEMBER MAXIMUM SECTION				
P A S S E N G E R	ITEM	SPAS	MS	
	A	3-3/4"		
	B	3-7/8"		
	C	1/8"	1/16"	
	D	3/32"		
E	4-35/64"	4-31/64"		
Sect. modulus per side, in. ³		1.716	1.897	

T R U C K S	ITEM	LT.	3/4 T.	H.D.
		DEL.	3/4 TS	
	A	2-1/4"	2-3/8"	
	B	5-5/8"	5-27/32"	7"
	C	9/64"	3/16"	7/32"
Sect. modulus per side, in. ³		0.40	3.18	4.87

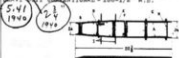


FRAME PART NAMES	
KEY LETTER	PART NAME
A	Side member
B	Front cross member
C	Engine side support tie bar
D	Engine rear support
E	Second cross member
F	Third cross member
G	Fourth cross member
H	Rear cross member
I	Step hangers
J	Sub-frame

MASTER DELUXE & MASTER 85



HEAVY DUTY CONVENTIONAL - 180-1/2" W.B.



LIGHT DELIVERY



HEAVY DUTY COE - 107-5/8" W.B.



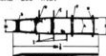
3/4 TON & 3/4 TON SPECIAL



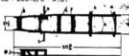
HEAVY DUTY COE - 131-1/8" W.B.



HEAVY DUTY CONVENTIONAL - 130" W.B.



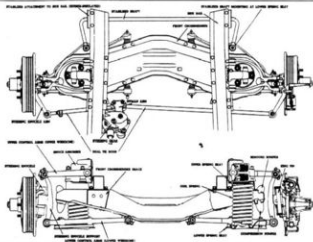
HEAVY DUTY COE - 166-5/8" W.B.



* - R.P.O. Side Member Plates available for Heavy Duty Truck frames.

12-23-39, 4-21-39, * was c, @ added, & was 189-3/4, * was 180, * was 25-13/16

KNEE ACTION FRONT SUSPENSION—MASTER DELUXE



SPRING

Type	R.H. Helical Coil	
Material	Silicon-Manganese Steel	
Gauge (Dia.)	.571"-.573"	
Number of coils	11-1/3	
Outside diameter	4-3/8"	
Pitch diameter (theo.)	3.775"	
Free length	13-7/8"	
Working length	9-17/32" at 1230#	
Deflection rate	266#/inch	
Frequency	Curb load	77
Cycles/min.	Pull load	78

WHEEL TRAVEL

For steering	30" from neutral to stop	
Vertical	4" from normal setting to metal-to-metal position	
Ratio	1.64 to 1 (wheel to spring)	
Comparative travel of wheel and spring	Wheel Travel	Spring Travel
	In vertical path 4" from normal setting position of spring	Spring travels 2-7/16" at rate of 266#/inch

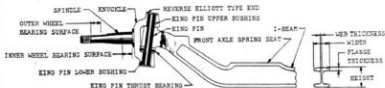
BEARINGS

UPPER CONTROL ARMS

LOWER CONTROL ARMS

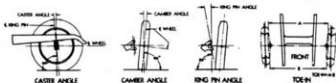
		UPPER CONTROL ARMS		LOWER CONTROL ARMS				
		PIVOT BOLT	PI. BUSH.	SP. BUSH.	PIVOT BOLT	BOLT BUSH.	SHAFT BUSH.	SHAFT ENDS
Type		Threaded						
Material-Carbon steel		Hardened	File hard surface	Hardened	File hard surface	Hardened		
S h p e a d s	Type	Ends	11 P, Single					
		Center	14 P, Double					
	Major Dia.	Front	.644"-.652"	.694" min.	.738"-.756"	.774" min.	.809" min.	.853"-.859"
		Rear	.644"-.652"		.714"-.732"			
Mounting		Clamp lock		Self locking				
Seal		Synthetic rubber, self sealing						

FRONT AXLE



ITEM	PASSENGER CARS			CONVENTIONAL TRUCKS		CAB
	MASTER DELUXE	MASTER 85	LT. DEL. 3/4 T. & 3/4 T.S.	HEAVY DUTY	OVER ENGINE TRUCKS	
Type	Reversed Elliott	Reversed Elliott-Modified I-beam Section				
I-beam	Height		2"	2-1/8"	2-11/32"	2-1/2"
	Width	Steering	1-11/16"	1-3/4"	2-1/16"	2"
	Flange thick.	Knuckle	1/4"	7/32"	5/16"	7/16"
	Web thick.	Support	7/32"	1/4"	3/8"	3/8"
King pin	Diameter	.8605" - .8655"	.7355" - .7355"	.9210" - .9214"	1.1085" - 1.1091"	
	Material	Cold drawn steel - case hardened				
King pin bushings	Type	Cast Bronze	Hard Rolled Bronze		Brass	
	Inside dia.	.865" - .865"	.7345" - .7355"		1.1090" - 1.1101"	
	Length	1-5/16"	1-17/64"		1-11/32"	
King pin thrust brg.	Type	Special Ball				Special Ball
	Location	Below Axle				
Wheel bearings	Inner	S.D. #909002		S.D. #909002		Sy. #173241
	Outer	S.D. #909001		S.D. #909002		Sy. #173235
Spindle	Inner brg.	1.1890" - 1.1898"		1.4051" - 1.4058"		1.8618" - 1.8621"
Diameter	Outer brg.	.7490" - .7495"		.8427" - .8432"		.9368" - .9373"
Rated Capacity		2000#	2200#	3500#	4200#	

FRONT WHEEL ALIGNMENT (as shown)

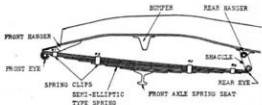


ITEM	PASSENGER CARS		CONVENTIONAL TRUCKS		CAB OVER ENGINE TRUCK
	MASTER DELUXE	MASTER 85	LT. DEL. 3/4 T. & 3/4 T.S.	HEAVY DUTY	ENGINE TRUCK
King pin angle	4-3/4° ± 30'		7°-10° ± 1°	1° ± 30'	0° ± 1° 0'
Camber	-15' ± 30'		1° ± 30'		
Caster	0° ± 30'	2°-15' ± 30'	1°-45' ± 30'	2°-45' ± 30'	3° ± 30'
Toe-in	0 to 1/16"		5/64" to 1/8"		

1.-10-36. 4-21-39, * - ± 1° added.

FRONT SPRINGS

PASSENGER
CAR TYPE

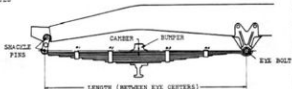


SPRING CLIP
TYPES

CLINCH

BOLT

CONVENTIONAL
TRUCK TYPES



SPRING LEAF
E.C. TYPES

TAPERED











CURLED
DOWN

FLAT

ITEM	PASSENGER CARS		CONVENTIONAL TRUCKS			CAB OVER ENGINE TRUCKS
	MASTER 85	LIGHT DELIVERY	3/4 TON AND 3/4 TON SPECIAL	HEAVY DUTY REG.	H.P.O.*	
Type	Semi-elliptic					
Material-steel	Chromium		Chrome Vanadium		Chromium *	
Number of leaves	8	7	8	6	7	8
Thick- ness of leaves	#1 #2 #3 #4 #5 #6, #7 #8 #9	.194" None None	.231" None None	.291" None None	.303" .291" None None	.291" None None
Total thickness	1.450"	1.450"	2.050"	2.445"	1.865"	2.320"
Length x width	36" x 1-3/4"					
Camber (Av.)	9/16"	5/8"	7/16"	3/4"	1-11/32"	7/16"
Load at camber height (Av.)	675#	775#	785#	950#		1225#
Deflection (Av.)	175#/"	260#/"	475#/"	645#/"	475#/"	575#/"
Leaf end type	Tapered		Curled Down			Flat
Spring clip type	#1 #2 #3 #4	Clinch None Clinch Clinch		Bolt Bolt Bolt Bolt		

12-15-38. 4-21-39 * H.P.O. spring for 155" W.B. single wheel trucks added, * was chrome vanadium

FRONT SPRING MOUNTING

SHACKLE TYPES	SPRING EYE TYPES	EYE BOLT AND BUSHING TYPES
 FLAIN H	 BERLIN EYE 1/2 WRAPPED	 FLAIN
 THREADED H	 OVERHUNG	 RUBBER BUSHED
 CLEVIS	 UNDERSLUNG (REVERSED)	 THREADED
	 UNDERSLUNG (REVERSED) FULL WRAPPED	

ITEM	PASSENGER CARS		CONVENTIONAL TRUCKS		CAB OVER ENGINE TRUCKS
	MASTER 85		LIGHT DELIVERY	3/4 TON AND 3/4 TON SPEC. HEAVY DUTY	
Front eye type	Underslung Full wrapped		Overhung		Overhung 1/8 wrapped
Rear eye type *	Overhung		Berlin eye 1/2 wrapped		Overhung 1/4 wrapped
Shackle	Location	At rear	At front		At rear
	Type		Threaded H		
Shackle pins	Material	Carbon steel, file hard case			
	Diameter	.619" P.D. 11 threads per inch Threads cadmium plated			Thds. .625" P.D. Copper plated
Eye bolt	Material	Carbon steel, file hard case			
	Diameter	.616" P.D. 11 Thds./"			.603"
	Type	Thread. for bushing	Screwed into hanger		
Front bushing	Material	Carbon steel-file hard case			
	Size	.620" P.D. 11 threads x 1-3/4"			.607" x 1-15/16"
	Type	Thread. for eye bolt	Threaded for shackle pin		Flain
Rear bushing	Material	Car. steel, file hard	Bronze		Car. steel, file hard
	Size	.620" P.D. x 1-3/4"	.600" I.D. x 1-11/16"		.631" P.D. x 2"
	Type	Thd. for shackle pin	Flain		Thd. for shackle pin
Spring-axle assembly	Two U-bolts per spring				
Spring U-bolt	Material	U.S. Steel, hardened			
	Diameter		1/2"		5/8"
Bumper material	Spring bumper rubber				
Spring mounting	Parallel	8°-4' (included angle)		7°-45' (included angle)	
Spring centers	20-1/8"			26-15/16"	

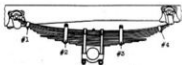
12-15-38. 2-5-39 - * Was front eye type.

REAR SPRINGS

PASSENGER CAR & LIGHT DELIVERY TRUCK SPRING.



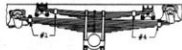
RPO PROGRESSIVE ACTION SPRING FOR HEAVY DUTY TRUCKS



3/4 TON, 3/4 TON SPEC. & HEAVY DUTY TRUCK SPRING.



HEAVY DUTY TRUCK SPRING WITH RPO AUXILIARY SPRING



ITEM	PASSENGER CARS				TRUCKS					HEAVY DUTY CONVENTIONAL & C.O.E.		
	Sport Sed., Town Sedan, Sedan, Coach, Op. Pickup	Business Coupe, Deluxe 4 Pass. Coupe	Station Wagon, Master Sedan, Delivery	Light Delivery	3/4 Ton	3/4 Ton Special Duty	One Ton Heavy Special Duty	Reg-ular	RPO Auxil-ary	RPO Prog. Action		
Type	Semi-elliptic											
Material-Steel	Chromium				Silicon-Manganese							
Number leaves	8	7	6	8	9	8	10	6	11			
Thick-ness of leaves	#1 .327"	.237"	.257"	.291"	.325"	.325"	.291"	.325"	.325"	.325"	.325"	.325"
#2 & 4	.214"											
#3	.214"	.214"	.257"	.291"	.325"	.325"	.291"	.325"	.325"	.325"	.325"	.325"
#5												
#6	None	None	None	None	None	None	None	None	None	None	.360"	
#7												None
#8	None	None	None	None	None	None	None	None	None	None	None	
#9												None
#10	None	None	None	None	None	None	None	None	None	None	None	
#11												None
Total thick.	1.804"	1.521"	1.896"	2.328"	2.392"	2.683"	2.320"	2.920"	1.926"	3.775"		
Length	48"		54-1/8"		48"		51-1/4"		48"			
Width	1-3/4"		1-1/2"		2"		2-1/2"					
Coaster (Av.)	1/16"		1/2"		37/64"		19/64"		1-1/16"		1-1/8"	
Load at Camber height (Av.)	* 800#	740#	1050#	1150#	1400#	1650#	1600#	2950#	* Engage at 1000#	4000#		
Deflect. (Av.)	120#/"	106#/"	180#/"	190#/"	450#/"	405#/"	490#/"	840#/"	1550#/"	* *		
Leaf end type	Tapered		Curled		Fist		Fist					
Spring	#1	Clinch				Bolt				Clinch	Bolt	
Glde	#2	Clinch (None for Master Deluxe)				Bolt				None		
Type	#3	Clinch (None for Master Deluxe)				None				None		
Spring covers	#4	Clinch				Bolt				Clinch	Bolt	

* - Between bracket centers. ** - 850#/" between 800# & 1100#; 1100#/" between 2500# & 3500#.

12-15-38 2-8-39 - A was 950#, * added.

REAR SPRINGS MOUNTING

ITEM	PASSENGER CARS		TRUCKS			
			LIGHT DELIVERY	3/4 TON & 3/4 TON SPEC.	HEAVY DUTY	
Front eye type	Overhung					
Rear eye type	Umderalung		Overhung			
Shackle Location	At rear					
Shackle Type	Threaded H			Clevis, bronze bushed		
Shackle Material	Carbon steel, file hard case					
Shackle Diameter	.619" P.D., 11 threads per inch, Cadmium plated.			.875"		
Eye bolt or pin	Carbon steel, hardened - Carbon steel, file hard case					
Diameter	.508"		.685"		.875"	
Type	Plain		Screws into hanger		Plain	
Front bushing	Rubber and steel					
Material	Rubber			Bronze		
Size	.506" Min. I.D. x 2.405"		.687" I.D. x 1-11/16"		.875" I.D. x 1.990" .875" I.D. x 2.490"	
Housing	Stl. 1-5/32" O.D. x 2"					
Type	Rubber bushed			None		
Rear bushing	Carbon steel, file hard case					
Material	Carbon steel, file hard case			Carbon steel		
Size	.630" P.D., 11 threads x 1-3/4"		.875" I.D. x 1.990"		.875" I.D. x 2.490"	
Type	Threaded for shackle pin					
Spring-axle attachment	2 U-bolts to rubber bushed seat on housing		2 U-bolts to metal seat and cap around housing			
Spring U-bolt	Carbon steel, hardened					
Material	1/8"					
Diameter	Carbon steel *					
Spring bumper	Rubber on frame		Rubber on spring		Rubber on frame	
Spring mounting	Parallel		5° included angle		Parallel	
Spring centers	44-11/16"		42-1/2"		42"	

*Hardened on 107-5/8" W.B. C.O.E., also when progressive action or auxiliary spring is used.

SHOCK ABSORBERS

ITEM	PASSENGER CARS				TRUCKS								
	MASTER DELUXE		MASTER 65		LT. DEL.		3/4 TON		3/4 T.S.		HEAVY DUTY		
	Front	Rear	Front	Rear	Ft.	Rr.	Ft.	Rr.	Ft.	Rr.	Ft.	Rr.	
Regular Shock Absorbers	None												
RPO Shock Absorbers	Make	Delco-Hydraulic											
	Type	Double acting * End-to-end discharge				Dbl. act. airplane		Single acting Conventional					
	Valve Code #	D-5		A 1		50		400		300		400	
	Bumper Rebound	22		27		42		400		300		400	
Piston dia.	1-1/2"		1"		1-1/4"		1-1/2"						
RPO Shock Absorbers	Make	Delco Hydraulic											
	Type	Double acting											
	Valve Code #	22		27		42		400		300		400	
	Bumper Rebound	22		27		42		400		300		400	
Piston dia.	1-1/2"		1-3/4"										

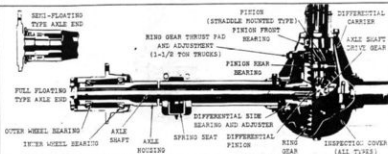
RIDE STABILIZER

ITEM	PASSENGER CARS			TRUCKS			
	MASTER DELUXE	MASTER 65	LT. DEL. **	3/4 TON	3/4 T.S.	HEAVY DUTY	
Type	Torsion bar in rubber bushing						None
Mounting	Bolted to lower front spring seat.		Bolted to front spring				
Material	Carbon steel-tempered						

* - See Knee Action page 33*. ** - With suburban and panel bodies only.

12/15-39. 2-8-39 * was 12. 4-21-39, @ "or auxiliary" added.

REAR AXLE



ITEM	PASSENGER CARS				TRUCKS					
	MASTER DELUXE	MASTER 60	LIGHT DELIVERY		3/4 T. & 3/4 T. SPEC.		HEAVY DUTY*			
			3-SPD. TRANS.	4-SPD. TRANS.	3-SPD. TRANS.	4-SPD. TRANS.	4-SPD. TRANS.	4-SPD. TRANS.		
Type	Semi-floating				Full-floating					
Gross rating	3000#		3300#		3900#		10,000#			
Housing type	Pressed steel banjo. Formed in two longitudinal pieces that are welded together along the seams.				Banjo. Formed from one-piece welded steel tube.					
Final gears	Type	Spiral hypoid			Spiral bevel					
	Ratio	4.222	3.727	4.111	3.818	4.111	4.111	4.45	5.422	5.166
Gear back-lash	Teeth	32-9	41-11	37-9	42-11	37-9	37-9	32-7	37-6	
		.006"-.007"		.006"-.010"						
F N O N	Mounting	Overhung				Straddle				
	Adjustment	Shims and tapered collar				None				
	Front brg.	S.D. 902906				S.D. 902909				
	Rear brg.	Hyatt 122430				N.I. 901305 *				
Diff. type	Thrust	Against front pinion bearing								
		Two pinion				Four pinion				
Diff. side brg.	Hyatt 127861			S.D. 902100			S.D. 904126			
Wheel bearing	Hyatt 11110			Hyatt 111104			Inner-Hy. 144527 Outer-Hy. 144528			
Axle shaft	Type	Drive flange at wheel end and forged integral with shaft								
	Min. Dia.	63/64"		1-1/16"				1-7/16"		
Drive torque		Through torque tube* 10.0								
	Total @ 1st.	12,407	10,966	12,063	11,222	29,706	12,063	29,706	39,222	44,556
	2nd.	7,099	6,266	6,905	6,414	14,298	6,905	14,298	18,879	21,445
	3rd.	4,222	3,727	4,111	3,818	7,034	4,111	7,034	9,287	10,840
	4th.	None				4,111	None	4,111	5,422	6,166
Reverse	12,407	10,966	12,063	11,222	29,385	12,063	29,385	39,799	44,065	
Total axle shaft torque (ft. lb.)	1st.	1792	1585	1745	1621	2061*	1745	2061*	2665	3026
	2nd.	1023	905	998	928	2061*	998	2061*	2725	3098
	3rd.	610	538	585	552	1015	585	1015	1341	1522
	4th.	None				585	None	585	764	890
	Reverse	1792	1585	1745	1621	2061*	1745	2061*	2665	3070

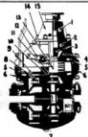
* = H.A. Ratio x trans. ratio. @ - Total gear reduction x max. engine torque x 85% * - Maximum.
 * - Two-speed rear axle data on next page. * - Through rear springs on 107-5/8" wheelbase C.O.E. truck.
 * - Hy. 140443 with 5.166 rear axle.

12-15-36

TWO-SPEED REAR AXLE-R.P.O. HEAVY DUTY TRUCK EQUIPMENT

GENERAL DATA

Type	Double reduction, full-floating	
Gross rating	11,000*	
Housing type	Banjo. From one-piece seamless steel tube	
Final ratios	Low	5.641 to 1
	High	3.221 to 1
Drive torque	Through torque tubes	
Diff. type	Four pinion	
Diff. brgs.	No.	Chev. 3651552
	Adj.	Adjusting nut & lock
Axle Shaft	Type	Drive flange at wheel end forged integral with shaft
	Min. dia.	1-9/16"
	Splines	16-1-3/4" O.D.
Wheel brgs.	Inner	Sy. 144527
	Outer	Sy. 144526



PART NAMES

1-Pinion Front Bearing
2-Pinion Rear Bearing
3-Spiral Drive Pinion
4-Spiral Drive Gear
5-Pinion Shaft Bearings
6-Bearing Covers
7-Differential Case
8-Low Speed Gear
9-Low Speed Pinion
10-High Speed Gear
11-High Speed Pinion
12-Shifter Lever
13-Double Reduction Pinion Shaft
14-Differential Carrier
15-Pinion Bearing Case

PRIMARY DRIVE GEARS

Type	Spiral bevel
Ratio	2.375 to 1
Back-lash	.006" to .015"
Adjustment	Shims at pinion bearing cage
F Teeth	6
n Mounting	Overhung
l Ft. brg.	Chev. 3651519
t Hr. brg.	Chev. 3651501
o Bearing Adj.	Lock nuts; free rolling, no end play
u Teeth	19
g Mounting	Tapered splines

DOUBLE REDUCTION DRIVE GEARS

TRANS. GEAR	TOTAL GEAR REDUCTIONS		MAX. AXLE SHAFT TORQUE (PT. LB.)	
	5.641 ratio	3.221 ratio	5.641 ratio	3.221 ratio
1st.	40.739	59.406	8990	8585
2nd.	19.618	28.592	2035	4132
3rd.	9.581	14.066	1398	3033
4th.	5.641	3.221	815	1188
Rev.	40.319	58.766	8526	8492

High speed	Type	Helical spur
16-36(2.375 to 1)	Low	Helical spur
15-45(3.465 to 1)	Pinion shaft brgs.	Left Chev. 3651503
		Right Chev. 3651504
	Adj.	Shims; slight drag
	Snifter bushing	Mat'l Alloy steel, hard. I.D. .8118"-.8120"

* - Drive torque through rear springs, pinion front bearing Chevrolet 3651518 on 107-5/8" W.B. COE truck. - - 85% Efficiency.

SPEEDOMETER GEARS

REGULAR EQUIPMENT	PASSENGER CARS			TRUCKS			
	MASTER DELUXE	MASTER 85		LIGHT DELIVERY	3/4 TON	3/4 TON SPECIAL	HEAVY DUTY
Material	Carbon steel, file hard surface						
Pitch	Drive	30	22	18.629		22	22
	Driven		22.403				22.403
Teeth	Drive	6	5	4	5	4	4
	Driven	19	14	12	13	13	13

R.P.O.* EQUIPMENT	PASSENGER CARS			TRUCKS					
	MASTER DELUXE	16" WHEELS		3.818 R.A.	4-SPEED TRANS.	3/4 TON TRANS.	3/4 T.S. TRANS.	6.156 R.A.	TWO-SPEED R.A.
Material	Carbon steel, file hard surface								
Pitch	Drive	22	18.629	22	22.403	18.629	22.403	22	22
	Driven	22.403		22.403					22.403
Teeth	Drive	5	4	5	4	5	5	4	4
	Driven	14	12	14	12	13	13	13	13

* - With Economy Engine and/or governor. - - 4.222 R.A. on Master 85. - - With 2-speed adapter.

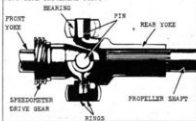
v - Only options involving changes in speedometer gears listed.

12-15-38. 4-21-39, Wheel data removed from "General Data".

REAR DRIVE SYSTEM

UNIVERSAL JOINTS AND PROPELLER SHAFTS

PASSENGER CAR AND LIGHT DELIVERY TRUCK YOKE AND RING TYPE UNIVERSAL JOINT.



3/4 TON, 3/4 TON SPECIAL AND HEAVY DUTY TRUCKS YOKE AND SPIDER TYPE UNIVERSAL JOINT.



CAP-OVER-ENGINE TRUCK-107-5/8" WHEELBASE
HOTCHKISS TYPE PROPELLER SHAFT



ITEM	PASSENGER CARS	TRUCKS				
		LIGHT DELIVERY	3/4 TON, 3/4 TON SPEC.	151-1/8" COE	133" CONV.	156-5/8" COE 158-1/2" CONV.
Type	Yoke and ring			Yoke and spider		
Number	One			Two		
Location of joints	Front	Transmission				
	Rear	None	2nd. cross member	3rd cross member	Rear axle	
Yoke material	Drop forged steel, hardened					
Pin diameter	.6815"-.6875" (1/16)		.718"-.717" (3/16)	.6900"-.6905"		
Bearings	Type	Spherical bushing	Self-centering bushing		Needle rollers	
	Mat'l.	Carbon steel, file hard surface				
Number	Four					
I.D.	.6895"-.6915"		.718"-.719"	.6925"-.6930"		
Length	37/64" (Effective)		.650"-.650" (Effective)	9/16" (Effective)		
Ball centers	None	10-13/64"	25.925"	51.361"	54-7/8"	
Type	Tubular	Solid front, tubular rear	All-solid		Tubular (Hotchkiss)	
Number	One	Two			One	
O.D.	Front	None	1.274"-1.284"	1.265"-1.284"	None	
	Rear	1.690"-1.700" x .094" x .002" wall	1.278"-1.284"		3" x .063" wall	
Length	Front	None	9-11/16"	24-3/8"	49-49/64"	
	Rear	59-1/4"	59-61/64"	53-11/64" W	53-3/16" ee	
Type of ends	10 splines (See Splines)				16 splines, front	

e = 48-7/64" with two-speed rear axle. ee = 48-13/16" with two-speed rear axle.
12-15-38

BRAKES

ITEM	PASSENGER CARS		COMMERCIAL TRUCKS		HEAVY DUTY TRUCKS	
			LIGHT DELIVERY 3/4 TON	3/4 TON SPEC.	CONVENTIONAL	C.O.E.
Service brake type	Hydraulic, 4 wheel, internal expanding, double articulated shoe					
Hand brake type	Mechanical pull rods and cables operate 2 shoes in each rear brake through toggle linkage.					
Brake drum	Type	Composite (C.I. rim & cooling ribs, pressed steel web)			Pressed stl. Same as Pass.	
	Diameter	Front	11"		14"	
	Rear	11"		14"		
Brake lining	Material	Full-moulded				
	Width	Front	1-3/4"		2"	
		Rear	1-3/4"		3"	
	Thickness	Front	.187"-.194"		.245"-.250"	
		Rear	.187"-.194"		.265"-.272"	
	Clearance	Front	Adjust to slight drag. Back off 4 notches			
Rear		Same as front				
Lining area (total eff.)	Serv. brake	158-1/4 sq.in.		194-1/2 sq.in.		
	Hand brake	79-1/8 sq.in.		115-3/8 sq.in.		
Braking pressure	Front	52-1/25		45-1/45		
	Rear	47-1/25		54-3/45		
Braking ratio	Pedal	4.78:1		5.25:1		
	Hydraulic	11.89:1		7.61:1		
	Av. overall	56.6:1		40.0:1		
Foot pedal	Travel	6-11/32"		7-3/4"		
	Mounting	With main cylinder to frame	With main cyl. to trans. & clutch housing	On clutch housing		
						On sub-frame
	Peds., rubber	Yes				
Hand brake lever mounting	To frame		To transmission		To sub-frame	

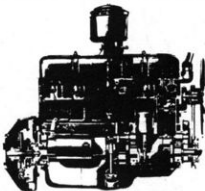
BRAKES HYDRAULIC DATA

ITEM	PASSENGER CARS		COMMERCIAL TRUCKS		HEAVY DUTY TRUCKS	
			LIGHT DELIVERY 3/4 TON	3/4 TON SPEC.	CONVENTIONAL	C.O.E.
Wheel cyl.	Diameter	Front	1-1/4"			
	Rear	1-3/16"		1-3/8"		
Piston travel for full pedal stroke			.110"	.130"	.125"	
			1"		1-1/4"	
Main cyl.	Diameter	1-5/16"		1.225"		
	Piston travel for full pedal stroke	1.27"		.995"		
Brake system fluid cap.	3/4 pint approximately					
Brake fluid recommended	* Delco Super #9.					

BRAKES VACUUM BOOSTER-R.P.O.

ITEM	HEAVY DUTY TRUCKS	
	CONVENTIONAL	CAB-OVER-ENGINE
Type	Single line, vacuum suspended, re-actinary valve.	
Power distribution	Pedal	35%
	Booster	67%
Pedal pressure @ 1000# hydraulic pressure (without booster)	220#	
Pedal pressure @ 1000# hydraulic pressure (with booster)	140#	

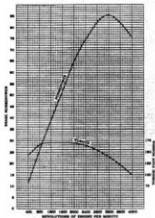
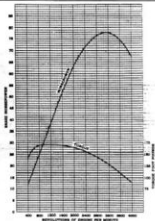
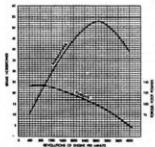
ENGINE GENERAL DATA



ITEM	PASSENGER CARS			TRUCKS			
	MASTER DELUXE	MASTER 86	LIGHT DELIVERY	3/4 TON	3/4 TON SPECIAL	HEAVY DUTY 3 1/2 T.	HEAVY DUTY 5 T.
Type	Valve-in-head						
Cylinders	Six in line-Cast on bloc						
Bore x Stroke	3-1/2 x 3-3/4"						
Piston displacement	216.5 cu.in.						
Compression ratio	6.25:1						
Taxable H.P.	29.4						
Taximum	85 at 3200 RPM			78 at 3200 RPM			
S.H.P.*	Economy			53 at 2900 RPM			
Max. S.H.P./cu.in.disp.*	Regular			.395		.360	
	Economy			.245			
Maximum torque*	Regular			170 Ft.lbs.			
	Economy			148 Ft.lbs.			
S.P.M. at max. torque*	Regular			900-2000		800-1550	
	Economy			800-1000			
Maximum S.P.M.*	Regular			116 lbs./sq.in.			
	Economy			99 lbs./sq.in.			
Engine speeds	Maximum			4000 RPM			
	Max.with RFD governor			1400-3000 RPM			
Engine RPM/mile per hour ^o	52.5	46.53	51.11	49.90	44.82	56.55	58.19
Engine revs./mile in high ^o	3150	2780	3067	2978	2689	3393	3490
Piston travel in high, Ft./mile ^o	1989	1937	1917	1860	1681	2121	2181
Weight ^o (dry)	Engine complete		551#	555#	563# (376#-CDE)		
	Power plant complete*		595#	606#	615#	626# (601#-CDE)	

w-For engine test conditions, see page 44. o-With regular equipment. *-Power plant weight includes engine, clutch and complete transmission.

ENGINE GROSS PERFORMANCE

PASSENGER CAR ENGINE

POWER AND TORQUE
TRUCK ENGINE

POWER AND TORQUE
H.P.O. ECONOMY ENGINE

**ENGINE TEST
CONDITIONS**

These curves represent the maximum power output of the 1939 Chevrolet engines at 29.92 inches Hg. and 60° F.

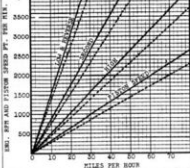
All dynamometer tests were conducted with the engine generator grounded and without fan, muffler and tail pipe.

The passenger car and truck engines were tested at full throttle; the H.P.O. Economy engine with the throttle stop on the carburetor set at approximately half throttle as installed in pass. cars or trucks.

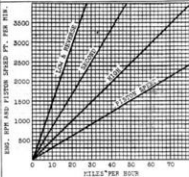
ENGINE R.P.M. AND PISTON SPEED

PASSENGER CARS

REGULAR 6.00-16, 4 FLY TIRES
 RPO 6.00-16, 6 FLY TIRES
 4.222 to 1 REAR AXLE RATIO ———
 3.727 to 1 REAR AXLE RATIO - - - -



RPO 8.00-16, 4 FLY TIRES
 4.222 to 1 REAR AXLE RATIO

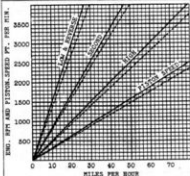


LIGHT DELIVERY TRUCKS

REGULAR 6.00-16, 4 FLY TIRES
 RPO 6.00-16, 6 FLY TIRES

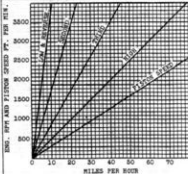
3-SPEED TRANSMISSION

REGULAR REAR AXLE RATIO, 4.111 to 1 ———
 RPO REAR AXLE RATIO, 3.618 to 1 - - - -



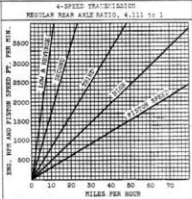
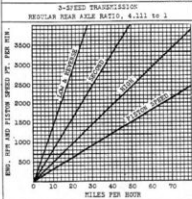
4-SPEED TRANSMISSION

REGULAR REAR AXLE RATIO, 4.111 to 1



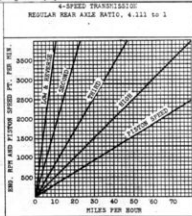
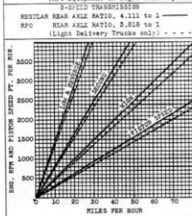
ENGINE R.P.M. AND PISTON SPEED—Continued

LIGHT DELIVERY TRUCKS RPO 8.50-18, 4 PLY TIRES



LIGHT DELIVERY AND 3/4-TON TRUCKS 15" - 6 PLY TIRES

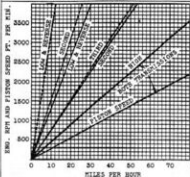
(RPO Equipment on Light Delivery Trucks; Regular Equipment on 3/4 Ton Trucks)



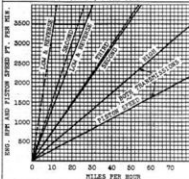
ENGINE R.P.M. AND PISTON SPEED—(Continued)

3/4 TON SPECIAL TRUCKS
 4.111 to 1 REGULAR REAR AXLE RATIO
 3-SPEED TRANSMISSION ———
 4-SPEED TRANSMISSION - - - -

REGULAR 7.00-17, 6 FLY TIRES

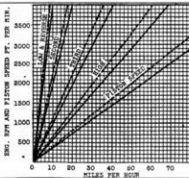


RPO 7.50-17, 8 FLY TIRES

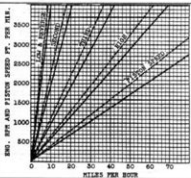


HEAVY DUTY TRUCKS
 REGULAR 4-SPEED TRANSMISSION
 REGULAR REAR AXLE RATIO, 5.429 to 1 ———
 RPO REAR AXLE RATIO, 6.166 to 1 - - - -

REGULAR 8.00-20, 6 FLY DUAL TIRES
 RPO 30 x 6, 6 FLY TIRES



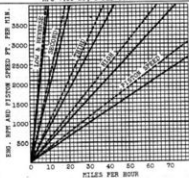
REGULAR 30 x 6, 8 FLY SINGLE TIRES
 RPO 6.50-20, 6 FLY TIRES



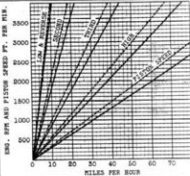
ENGINE R.P.M. AND PISTON SPEED—(Continued)

HEAVY DUTY TRUCKS
 REGULAR 4-SPEED TRANSMISSION
 REGULAR REAR AXLE RATIO, 8.428 to 1 ———
 RPO REAR AXLE RATIO, 6.166 to 1 - - - -

RPO 32 x 6, 10 PLY TIRES
 RPO 7.00-20, 8 PLY TIRES

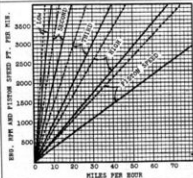


RPO 7.50-20, 8 PLY TIRES

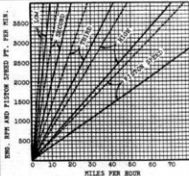


TWO-SPEED REAR AXLE-R.P.O. HEAVY DUTY TRUCK EQUIPMENT
 REGULAR 4-SPEED TRANSMISSION
 HIGH SPEED GEAR RATIO, 8.641 to 1 ———
 LOW SPEED GEAR RATIO, 6.221 to 1 - - - -

32 x 6, 8 PLY TIRES



32 x 6, 10 PLY TIRES
 7.00-20, 8 PLY TIRES



ENGINE R.P.M. AND PISTON SPEED—(Continued)

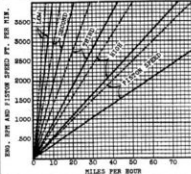
TWO-SPEED REAR AXLE-R.F.O. HEAVY DUTY TRUCK EQUIPMENT

REGULAR 4-SPEED TRANSMISSION

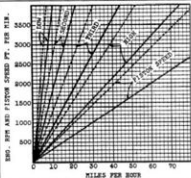
HIGH SPEED GEAR RATIO, 5.641 to 1

LOW SPEED GEAR RATIO, 6.222 to 1

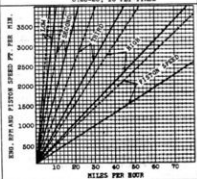
7.50-20, 8 FLY TIRES



34 x 7, 10 FLY TIRES

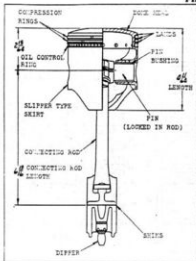


8.25-20, 10 FLY TIRES



12-15-38. 4-21-39, Rearranged. Chart for 8.25-20, 10 ply tires added.

PISTONS



PISTONS

Type	Slipper skirt, dome head
Material	Cast iron, tin plated
Dis. clearance at lands	.014"-.0112"
Compression rin groove depth	.101"-.100"
Dis. clearance at skirt	.0117"-.02"
Oil rin groove depth	.172"-.114"
Oil ring groove holes	14, 2.35" Spall
Sidewall min. thickness-Pass.	.134"-.144"
	-Track
Head thickness	.141"-.080"
	.111"-.171"
Pin bushings-type	Pressed in piston
-material	bronze
-O.D.	.853"-.864"
-length (each)	1.12"
-finish	216 and 107
weight (each)	.710g
Weight of piston & bushing assy.-Pass.	1.12g
	-Track
Weight of piston, bushing, pins, pin and rod upper end x 8 - Pass.	14.42g
	-Track
	13.84g

PISTON PINS

Material	Chromium steel-File hard case
Diameter	.1141"-.0130"
Length	3.135"-3.168"
Taper limit in full length	.0008"
Weight (each)	.33g
Clearance in bushing	Slip fit

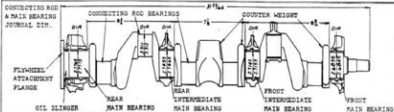
PISTON RINGS	COMPRESSION		OIL CONTROL
	Cast iron		
Material	Cast iron		
Type	Plain		Drilled or slotted
Number	2		1
Arrangement	Upper two rings		Under compression rings
Width	.1235"-.1245"		.1250"-.1265"
Wall thickness	.155" max.		.155" max.
Gap clearance	.008"-.015"		.008"-.015"
Ring clearance in groove	.0015"-.003"		.002"-.0035"
Weight (each)	.08 lbs.		.06 lbs.

CONNECTING RODS

Type	Pin slanted in rod
Material	Drop forged steel
Crank pin diameter	2.311"-2.312"
Crank pin length	1.4985"-1.5015"
Width at piston pin	1-1/8"
Lower end brg.-type	Centrifugally cast
-diameter	2.3135"-2.3135"
-length	1-8/16"
-material	Babbitt
-finish	Diamond bore
-clearance on dia.	.001"-.0025"

Lower end bearing area-	
Projected	16.82"
Circumferential	57.83"
Shims-type & material	Solid aluminum alloy
Weight conn.rod assy. (each)	1.77g
Upper end (each)	.4g
Lower end (each)	1.37g
Total rotating weight (lower end x 8)	8.22g
Connecting rod assembly center of gravity from wrist pin center	5.273"
Connecting rod end play	.0045"-.0115"

CRANKSHAFT



CRANKSHAFT

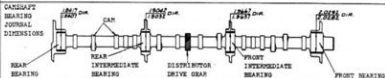
Type 4 bearings, 7 counterweights
 Material Drop-forged steel
 Weight 69#
 Offset None
 End play004"-.007"
 Clearance between oil thrower groove in crankshaft and flange on cylinder block002"-.030"
 Harmonic balancer type Oscillating
 Crankshaft pulley dia. 6-1/32"
 Crank pin journal width 1-1/2"

MAIN BEARINGS

Number 4
 Type Removable
 Material Steel-backed babbitt
 Clearance002"-.004"
 Thrust taken on Rear intermediate bearing
 Total bearing area:
 Projected 13.41 sq.in.(11.89 sq.in.off.)
 Circumfer'1 .. 42.13 sq.in.(37.35 sq.in.off.)
 Shim-type Solid
 Material Alloy aluminum & brass

MAIN BEARINGS	FRONT	FRONT INTERMEDIATE	REAR INTERMEDIATE	REAR
Inside diameter	2.6662"-2.6675"	2.7175"-2.7190"	2.7490"-2.7495"	2.7795"-2.7800"
Effective length (brg.)	1"	1"	1"	1-11/32"
Total length (brg.)	1-3/16"	1-3/16"	1-7/16"	1-5/8"
Total length (shaft)	1-15/32"	1-7/16"	1-7/16"	1-59/64"

CAMSHAFT



CAMSHAFT

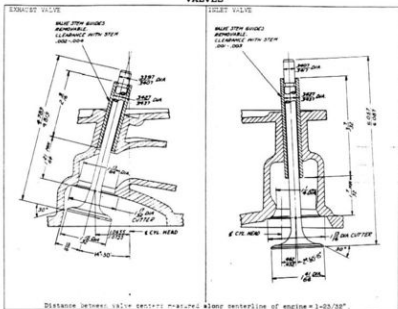
Material Drop-forged steel
 Drive type Gear
 Drive gear material Bakelite & fabric comp.
 Crankshaft gear material Steel
 End play Free-.003" max.
 Camshaft ramp011" inlet, .014" exh.

CAMSHAFT BEARINGS

Number 4
 Thrust taken on Front bearing
 Clearance on dia.0015"-.0035"
 Total bearing area-Projected 7.64 sq.in.
 -Circumferential 24.0 sq.in.
 Minimum diameter of shaft 1-3/32"

CAMSHAFT BEARINGS	FRONT	FRONT INTERMEDIATE	REAR INTERMEDIATE	REAR
Material	Steel-backed babbitt			
Inside diameter	2.0307"-2.0317"	1.9882"-1.9890"	1.9087"-1.9097"	1.8422"-1.8442"
Total length	1-1/8"	15/16"	15/16"	15/16"

VALVES



VALVE LIFT

Valve material	Extruded steel
Valve stem end style	Grooved for cup and cone
Valve lift-Exhaust	.216"
-Inlet	.294"

VALVE SPRING PRESSURE

Valve closed	40-50
Valve open	115-135

VALVE SEAT

Material	Cast iron (cylinder head)
Cooling	Jets of water under pressure
Seat width in head-Exhaust	.002"-.003"
-Inlet	.021"-.025"

CYLINDER HEAD

Type	Detachable
Material	Cast alloy iron

VALVE ROCKER ARM

Ratio	1.477 to 1
Brushing-Material	Cast bronze
-Opt. material	Steel backed babbitt
-Diameter	.7925"-.7935"
-Length	10/16"

VALVE TAPPET

Type	Cylindrical
Material	Cast alloy iron
Outside diameter	.989"-.990"
Operating clearance-Exhaust	.013"-.015" hot
-Inlet	.006"-.008" hot
Tappet lift-Exhaust	.211"
-Inlet	.1991"

Combustion chamber design "Blue Flame"

LUBRICATION SYSTEM

Type Pressure, pressure stream and splash.
MAIN BEARING lubrication Direct Pressure. Oil is pumped through drilled passages in cylinder case to main bearings.
CAMSHAFT BEARING lubrication Direct Pressure through passages from main bearings.
TIMING GEAR lubrication Gravity feed from camshaft front bearing overflow.
CONNECTING ROD BEARING lubrication ... By dippers at low speeds. By pressure streams at high.
CYLINDER BORE lubrication Splash
PISTON PIN lubrication Splash
VALVE MECHANISM lubrication Pressure. Pipe from high pressure side of distributor carries oil to valve rocker arms, springs, valve stems

and push rod upper ends.
WATER PUMP lubrication Permanently lubricated, sealed ball bearing.
 Oil pump type Gear
 Oil pump drive From camshaft
 Normal oil pressure 15.5# @ 2621 RPM
 Oil pressure relief valve opens at 75#
 Oil cleaner type Screen with by-pass on intake side of oil pump.
 Oil Drain type Plug in side of oil pan.
 Crankcase ventilator type Suction
 Oil filler Combined with ventilator
 Oil screen area 18.3 sq.in.
 Oil level gauge type Rod
 Oil pan capacity (dry) 5-1/2 quarts
 Oil pan capacity (for refill) 5 quarts

COOLING SYSTEM

ITEM	PASSENGER CARS		CONVENTIONAL TRUCKS			
	MASTER DELUXE	MASTER 88	17.18L. 3/4 & 3/4 T.S.	HEAVY DUTY	C.O.E.* TRUCKS	
Cooling system capacity	14 quarts				16-1/2 qts.	
Radiator core	Name and type		Barrison, ribbed cellular			
	Material All copper					
	Size		222"x.506"x2"	222"x.506"x2"	222"x.560"x2"	20"x.56"
	Exp. core area		368.5 sq.in.	405 sq.in.		
Pan shroud None						
Radiator hose	Type Conventional rubber. Outlet consists of two hose joined by steel tube.					
	Location	Inlet	From cylinder head to core			
		Outlet	From core to water pump			
	Size	Inlet	3-1/4" I.D. x 8-5/8" long	1-1/4" I.D. x 6-1/4" long		
Outlet		UPPER: 1-1/8" I.D. x 8-3/4". LOWER: 1-1/2" I.D. x 5" (4-7/16" COE)				
Water thermostat	Name and location		Barrison, in cylinder head outlet.			
	Type Bellows operating poppet valve					
	Valve action Valve starts to open at 140°-145° F. and is fully open at 170° F., 29" Hg. barometric pressure.					
Engine fan	Type Four staggered blades					
	Diameter		18-3/4"	18-1/4"	18"	
	Fan pulley 28° V - 4-21/64" diameter					
	Ratio to Eng. Speed 1.393:1					
	Core clearance 11/16"					
	Fan belt	Make Various				
		Material One piece vulcanized fabric				
Size 11/16" max. width x 48-7/8" around outside						
Water pump	Type and Drive Centrifugal, by fan belt					
	Location On front of cylinder and case					
	Capacity 47 gallons per minute @ 4000 engine RPM					
	Impeller type Vane					
	Bearing	Type Double row ball, sealed				
		O.D. 1.1805"-1.1811"				
		Length 1-21/32"				
Seal	Material * Moulded rubber sealed with rubber cement					
	Adj. Automatic - By spring tension					

* - N.P.C. core for 3/4 Ton, 3/4 T.S., and Heavy Duty models with shroud. Water capacity 16 quarts. 19-18-38, 2-8-39, Oil thermometer removed, * was graphite impregnated bakelite and fabric composition.

FUEL SYSTEM

FUEL PUMP

Make and model AC, AP
 Type Mechanical
 Drive From camshaft
 Arm throw at camshaft 1/4"
 Inlet and outlet air dome Yes
 Fuel filter Screen on dome

FUEL GAUGE

Make AC
 Type Electric

CARBURETOR

Make and model Carter W1-4205 for all models except COE. Carter B31-4475 for COE models. @
 Type Single adjustment, down-draft for all models except COE. Up-draft for COE models.
 Size 1-1/4"
 Accelerator pump Yes
 Float level .. When closed, top of float measures 1/2" below finished surface of cover.

FUEL MIXTURE

Heated Yes. Passes through manifold heat chamber, automatically controlled by thermostat on manifold.

OCTANE SELECTOR

Type and range Manual, 20° Vernier

AIR CLEANER

Make AC
 Type ... Combined with silencer & flame arrester for passenger cars. Combined with flame arrester for truck models. Oil bath type for COE's.

R. P. O. AIR CLEANERS		
	PASSENGER CARS	COEY TRUCKS
Make	AC	
Type	Combined with flame arrester	None
	Combined with flame arrester and oil bath	
	With flame arrester, oil bath and silencer	

FUEL TANK	PASSENGER CARS		TRUCKS						
	Chassis, Spt. Sedan, Cos. 4 Pass. Cpe., Sed., Town Del., Station Wagon	Business Coupe, Master 65 Sedan Delivery	Light Delivery Chassis and Cool. Panels, Carryall Suburban	Chassis and Cab, Pickup	3/4 & 3/4 TON SPECIAL Chassis and Cool. Panel	Chassis and Cab, Stake and Pickup	Conventional Chassis and Cool.	HEAVY DUTY Chassis and Cab, Pickup, Panels, Stakes	COE Chassis and Cab and Stakes
LOCATION									
POSITION	Suspended in chassis between two rear cross members.	Clamped to underbody below floor just behind seat.	Clamped to right side rail ahead of rear fender.	Clamped to cab floor directly under cab seat.	Clamped to right side rail ahead of rear fender.	Clamped to cab floor directly under cab seat.	3-point mounting to frame below seat position.	Clamped to body floor directly under seat.	Clamped to right side rail to rear of cab.
TYPE	Two stamped pans, seam-welded together								
CAPACITY	14 gallons	35 gallons	16 gallons	18 gallons					
FILTER LOCATION	Outside on right rear fender.	Outside behind right fender.	Outside behind right side door.	Outside at cab right rear corner.	Outside behind panel right door.	Outside at right rear cab corner.	At right side of chassis.	Outside at right rear cab corner.	At right side of chassis.

EXHAUST SYSTEM

ITEM	PASSENGER CARS	TRUCKS
Muffler type	Diffusion and resonance (5 tube reverse flow)	
Diameter x length	6-1/16" x 18"	8" x 20-1/2"
Muffler mounting	Single point rubber	
Exhaust pipe diameter	1-7/8"	
Tail pipe diameter	1-3/4"	1-1/2"

10-15-39. 2-3-39. * COE type air cleaner added. 4-21-39. RPO air cleaner revised. @ was B31-4205.

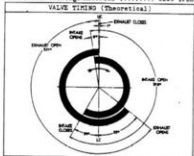
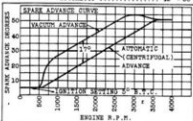
ENGINE ELECTRICAL SYSTEM

GENERATOR	PASSENGER CARS		TRUCKS						
	MASTER DELUXE	MASTER 85	LIGHT DELIVERY	3/4 TON	3/4 TON SPECIAL	HEAVY DUTY CONV. REGULAR	CAB-OVER - E.N.F.O.		
Make	Delco-Remy								
Model	#1100004		#945R		#934F	#1100004			
Ventilated by	Fan built into generator pulley								
Driven by	"V" belt								
Generator pulley	Type						28" V		
	Diameter	3-11/32"					4-15/32"	3-11/32"	
Speed ratio-generator to engine	1.80:1								
Amperes -cold	Lights off	25-30			16.5	26-28	26-30		
	Lights on	25-30			19-25	26-28	25-30		
Maximum charging rate-cold	Voltage	8			8.4-8.8	8	8		
	RPM	3400			2800	1400 up	3200		
	Car speed MPH	35.6	40.9	30.8	31.4	34.5	26.6	17.9	32.2
Amperes -hot	Lights off	25-28			15.5	26-28	25-28		
	Lights on	25-28			16-20	26-28	25-28		
Maximum charging rate-hot	Voltage	8			8.1-8.5	8	8		
	RPM	3600			3100	1700 up	3600		
	Car speed MPH	37.8	43.5	34.1	34.8	38.2	29.5	21.7	34.2
Thermostat	None								
Field fuse	None								
Voltage regulator type	Vibrator		None			"	Vibrator		
Rated voltage	6-8								
Brush tension	14-18 oz.					22-26 oz. 14-16 oz.			
Rotation (Drive end)	Clockwise								
Rear Commutator end	Bronze bushing								
Brushes	Drive end	Ball							
Out-put	Voltage at closing	6.5-7.0			6.75-7.5	6.9-7.6	6.5-7.0		
	Armature speed	800 RPM					475 RPM	800 RPM	
	Car speed at closing MPH	8.42	9.62	8.65	8.98	9.86	7.61	8.0	7.61
	Amperes to open	0-3		0-2.5			0-4	0-3	

IGNITION

Type Separate units, high tension distributor ground return system
 Make & Model Delco-Remy #1110008
 Current source Generator
 Spark control type Pull automatic
 Spark advance-vacuum 17°
 -automatic 42° - 50°

Timing spark advance 5° S.T.O.
 Firing order 1-5-3-6-2-4
 Distributor interrupter point opening .018"-.024"
 Distributor bearings material Cast iron



* - Vibrator type voltage regulator with current control.

12-15-36

ENGINE ELECTRICAL SYSTEM—Continued

IGNITION - Continued

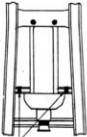
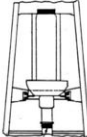
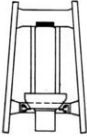
Ignition lock type	Armored cable
from coil to dash and lock switch	
Condenser make	Delco-Remy
Coil no. & location	1886305 Engine right side *
Coil Amps. drawn - Engine stopped	4.5
- Engine idling	2.5
Spark plug-make and size	AC 440
-thread size	14 mm.
-recommended gap040"

STARTING MOTOR

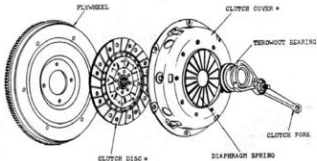
Make	Delco-Remy
Model	1107009
Type of drive	Mechanical
Rotation (commutator end)	Counter-clockwise

Bearings-commutator end	Cast Iron
-drive end ...	Graphite lubricated bushin.
Lock test-ampere draw	55.
-volts	3.
-torque	12 ft.lb.
No load test-ampere draw	18.
-volts	5.
-RPM	2500
Pinion meshes	On front of flywheel.
Pinion teeth	1
Flywheel teeth	13.
Pinion to flywheel ratio	13.44:
Normal engine cranking speed	65 RPM
Starter	Direct foot-actuated control.
Starter to throttle connection	Lug on cross shaft engages accelerator shaft. Pass. cars only

POWER PLANT MOUNTINGS

PASSENGER CARS	LIGHT DELIVERY	3/4, 3/4 TON SPEC., HEAVY DUTY
TYPE - 5 POINT RUBBER CUSHION BALANCED	TYPE - 4 POINT RUBBER CUSHION BALANCED	TYPE - 3 POINT RUBBER CUSHION BALANCED
		
TORQUE REACTION SUPPORTS	BRAKE & DRIVING TORQUE REACTION SUPPORT	

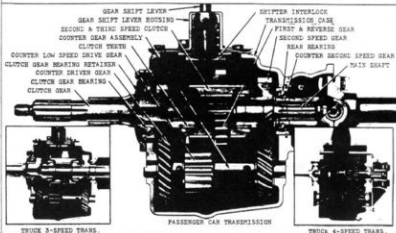
CLUTCH



ITEM		PASSENGER CARS	TRUCKS	
			LIGHT DELIVERY	3/4 T., 3/4 T.S. & HEAVY DUTY
Type			Single dry plate	
Rated torque capacity			192 ft.lb.	
Spring	Number and type		Single - Diaphragm	
	Pressure		1070 ^g -1310 ^w	
	Material		Spring steel - Heat treated	
	Pressure levers		16 integral with spring	
Drive			Through radial lugs	
Disc	Driving		Flywheel and pressure plate	
	Driven - number		One	
	Vibration insulation		8 Cushion springs at hub @	
	Facing	Material		Woven and formed - Asbestos composition
O.D. & I.D.			9 ^g - 6-1/4 ^g	10-3/4 ^g - 7 ^g
Area		65.87 sq.in.		104.6 sq.in.
Thickness		.132 ^g - .130 ^g		.137 ^g - .143 ^g ^d
Bearings	Throwout	Type	Special ball - mounted on sleeve	
		Lubrication	Packed for life	
	Pilot	Type	Bynt Roller 142055	
		Lubrication	Packed for life	
Controls	Clutch fork - type		Drop forged-pivot mounted on ball	
	Pedal mounting	On brake main cylinder		On clutch housing
Flywheel	Material		Cast iron	
	Weight (with ring gear)		31.8 ^w	
	Ring gear type		Steel-shrunk on	
	Ring gear teeth		139 teeth - 1/2 ^g wide 13.9 Pitch Dia.	
Attachment to flywheel		6 bolts		9 bolts

12-15-38. 4-21-39, * - Revised. @ - "g" added. ^d - Was .122^g - .126^g.

TRANSMISSION



ITEM		PASS. CARS, LT. DEL., 3/4 T & 3/4 TS	HEAVY DUTY
Transmission location		In unit with engine	
Type		Selective synchro-mesh, silent second	Conventional
Shift type		Standard	
Number of speeds		3 forward, 1 reverse	4 forward, 1 reverse
Constant mesh gears type		Helical	Spur
Synchronous meshing gears		Second and third	None
Torque capacity		190 ft. lb.	
Gear ratios & maximum torque of gear set at given ratio		First	1st 2.226 = 1167 ft. lb. @
		Second	2d 1.68 = 861 ft. lb. @
		Third	3d 1.211 = 618 ft. lb. @
		Fourth	None
		Reverse	Direct = 170 ft. lb.
Bearings & Bushings	Reverse idler bushing	No. & Mat'l	Two-brass
		Size	.6772" - .6782" I.D. x 1 1/16"
	Main shaft bearing	Front	Byatt #141854
		Rear	N.D. #904186
	Counter shaft bearing	Material	Steel
		Front	.6772" - .6782" I.D. x 1-3/16"
		Rear	.6772" - .6782" I.D. x 1-3/16"
	Clutch gear brg. part no.		N.D. #954141
	Second speed (Main) gear bearing (shaft)	Material	Chromium steel-hardened
		Size	1.062" - 1.065" I.D. x 1-3/4"
Power take-off	Type	None	6 bolt S.A.E. Standard
	Location	None	On left side
	Speed at 1000 Engine RPM	None	485
	Meshing gear	None	53 teeth

a - Effective length. @ - 98% efficiency assumed. *Pass. & 1/2 Ton - D.P. 10010 - STEEL 65Mn 22 KRENNIT*
3/4 Ton - 3 1/2% N.L.M.S. CASE HARDENED

TRANSMISSION

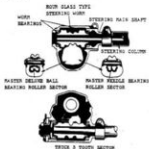
TURNING DIAMETERS



MODEL		"A"		"B"	
		RIGHT	LEFT	RIGHT	LEFT
Pass. cars	Master Deluxe	38.7'	39.5'	41'	41.8'
	Master 88	38.8'	39'	41.1'	41.3'
Trucks	Light Delivery	39.6'	40.1'	41.8'	42.3'
	3/4 Ton		44.8'		
	3/4 Ton Special	42.6'	44.9'		
	H.D. 132" W.B.	49'	53.3'	51.5'	55.7'
	Conv. 188-1/2" W.B.		61.44'		
	H.D. 107-5/8" W.B.	43.3'	46.8'	46.2'	47.5'
COE	131-1/8" W.B.	47.4'	48.9'		
	186-5/8" W.B.	57.7'	57.8'		

STEERING GEARS

SECTOR TYPES



SECTOR MOUNTING



PASSENGER CAR STEERING TYPE



TRUCK SPRING MOUNTED TYPE

ITEM	PASSENGER CARS		TRUCKS	
	MASTER DELUXE	MASTER 88	LT. DEL. 3/4 TON, 3/4 TON SPECIAL & H.D. CONV.	HEAVY DUTY COE
Steering gear type	Semi-reversible			
Steering gear ratio	17-1/2:1	19:1	16:1	17:1
Bearings	Special tapered roller #261866			
Roller & sector brg.	Type	Ball	Needle	None
Bushings	Size or No.	#2626CS	.007" x .947"	None
	Material	Bimetal		
Fitman shaft bushings	Material	Cast bronze		
	Size	1.125"-1.256" I.D. x 1-1/2"	(Outer) 1.1245"-1.125" I.D. x 1-3/8" (Inner) .813"- .8136" I.D. x 7/8"	(Outer) 1.248"-1.250" I.D. x 1-1/2" (Inner) .813"- .8136" I.D. x 7/8"
Steering wheel	Type	Three spoke, thin grip		Four spoke
Material	Hard rubber and steel			
	Diameter	17-5/16"	17"	16"
Main shaft diameter	3/4"		1"	
Column diameter	1-1/2"		1-3/4"	
Fitman shaft diameter	1-1/8"		1-1/4"	

WHEELS

 PASSENGER CAR AND LIGHT
DELIVERY TRUCK WHEEL

3/4 TON TRUCK WHEEL

 3/4 TON SPECIAL
TRUCK WHEEL

HEAVY DUTY TRUCK WHEEL



TIRES AVAILABLE

MODEL	SIZE	FRONT LOAD PER TYRE AT MIN. PRES.	REAR				WHEEL RIM SIZE	WHEEL OFFSET	DISC THICK AT HUB S
			LOAD PER TYRE	RECOM- MENDED PRESSURE	LOADED RADIUS	LOADED REVS. /MILE			
DNAS	6.00-16-4 Ply, Reg.	875#-20#	950#	35#	15.52"	746	16 x 4.00E	9/16"	0
MAS 85	6.00-16-6 Ply, RPO	915#-28#	955#	30#	15.53"	748	16 x 4.00E		
	5.50-18-4 Ply, RPO	800#-28#	940#	30#	14.88"	707	16 x 4.00 *		
LIGHT DELIV- ERY	6.00-16-4 Ply, Reg.	915#-28#	990#	35#	15.82"	746	16 x 4.00E	9/16"	0
	6.00-16-6 Ply, RPO	955#-30#	1130#	40#	15.83"	748	16 x 4.00E		
	5.50-18-4 Ply, RPO	970#-28#	1080#	33#	14.88"	707	16 x 4.00 *		
	18"-6 Ply, RPO	1200#-20#	1200# to 1800#	20# min. to 35#	15.98"	724	18 x 5.50F		
3/4 TON	18"-6 Ply, Reg.	1200#-20#	1200# to 1800#	20# min. to 35#	15.98"	724	18 x 5.50F		
3/4 TON SPEC.	7.00-17-6 Ply, Reg.	1000#-35#	1850#	45#	15.41"	684	17 x 6 (4.33R)	8/16"	0
	7.50-17-8 Ply, RPO	1000#-35#	1950#	55#	15.80"	638	17 x 6 (4.33R)		
HEAVY DUTY (See page 61 for Reg. and RPO tyres)	6.00-20-6 Ply	1000#-40#	1400#	45#	15.88"	643	20 x 6 (3.75P)	4-1/8"	8/16"
	30 x 8-6 Ply	1800#-85#	1600#	70#	15.88	643	20 x 8 (3.75P)		
	6.50-20-6 Ply	1100#-40#	1700#	50#	16.14"	625	20 x 8 (3.75P)	4-1/2"	8/16"
	32 x 8-8 Ply	1300#-60#	1950#	75#	16.14"	625	20 x 8 (3.75P)		
	7.00-20-8 Ply	1800#-45#	1950#	55#	16.82"	600	20 x 8 (4.33R)	4-1/2"	8/16"
	32 x 6-10 Ply	1300#-45#	2200#	80#	16.82"	600	20 x 8 (4.33R)		
	7.50-20-8 Ply	1400#-45#	2000#	55#	17.33"	581		4-3/4"	
	34 x 7-10 Ply	Not used	2800#	85#	17.88"	565	20 x 7 (5.00S)	5-1/4"	7/16"
	8.25-20-10 Ply	Not used	2650#	60#	18.20"	534			

NOTE - Use of optional tires may necessitate changes in equipment such as wheels, speedometer gears, wheel carrier, springs, rear axle (for ratios), engine fan and radiator core according to the various Regular Production Options.

Tire make - United States or Goodrich.

18-18-36. 4-21-39, 8.25-20-10 ply tire added, * was 18 x 5.50F, @ added, † was 4-1/2", • note added

TIRE COMBINATIONS—HEAVY DUTY TRUCKS

	REAR	FRONT						
		6.00-20-6 Regular	6.50-20-6 R.F.O.	7.00-20-6 R.F.O.	7.50-20-6 R.F.O.	30 x 8-6 R.F.O.	32 x 6-8 R.F.O.	32 x 6-10 R.F.O.
S I N G L E	32 x 6-8 ply Regular	Regular				R.F.O.	R.F.O.	
	6.00-20-6 ply R.F.O.	Regular						
	32 x 6-10 ply R.F.O.	Regular	R.F.O.	R.F.O.		R.F.O.	R.F.O.	R.F.O.
	6.50-20-6 ply R.F.O.	Regular	R.F.O.					
	7.00-20-6 ply R.F.O.	Regular	R.F.O.	R.F.O.				
	7.50-20-6 ply R.F.O.	Regular	R.F.O.	R.F.O.	R.F.O.			
	6.00-20-6 ply Regular	Regular						
D U A L	6.50-20-6 ply R.F.O.	Regular	R.F.O.					
	7.00-20-6 ply R.F.O.	Regular	R.F.O.	R.F.O.				
	7.50-20-6 ply R.F.O.	Regular	R.F.O.	R.F.O.	R.F.O.			
	30 x 8-6 ply R.F.O.					R.F.O.		
	32 x 6-8 ply R.F.O.	Regular	R.F.O.			R.F.O.	R.F.O.	
	32 x 6-10 ply R.F.O.	Regular	R.F.O.	R.F.O.		R.F.O.	R.F.O.	R.F.O.

TIRE COMBINATIONS—R.P.O. TWO-SPEED REAR AXLE

DUAL REAR	FRONT				
	6.50-20-6 R.F.O.	7.00-20-6 R.F.O.	7.50-20-6 R.F.O.	32 x 6-8 R.F.O.	32 x 6-10 R.F.O.
7.00-20-6 ply R.F.O.	R.F.O.	R.F.O.			
7.50-20-6 ply R.F.O.	* R.F.O.	R.F.O.	R.F.O.		
32 x 6-8 ply R.F.O.	R.F.O.			R.F.O.	
32 x 6-10 ply R.F.O.	* R.F.O.	R.F.O.		R.F.O.	R.F.O.
34 x 7-10 ply R.F.O.		R.F.O.	R.F.O.	R.F.O.	R.F.O.
8.25-20-10 ply R.F.O.		R.F.O.	R.F.O.		

USE OF CHART

In the above charts, the front tire sizes available for use with a particular rear tire size are listed across the page in line with each rear tire. Minimum tire equipment, front and rear, for various gross allowable weights is given on page 17.

CHEVROLET 1939 SPECIFICATIONS

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BATTERY AND LIGHTS

ITEM		PASSENGER CARS		TRUCKS				
		MAS. DELUXE & MAS. 60	LT. DEL.	3/4 TON	3/4 T.S.	H.D. CONV.	H.D. COS.	
Battery	Make and model	Delco, 17V-W		Delco, 15X-W				
	Size, l. x w. x h.	10-9/16"x7-7/16"		8-15/16"x7"x8-9/16"				
	Volts and capacity	6, 100 amp. hrs.		6, 90 amp. hrs. *				
	Charging rate	7 amps.						
	Cell arrangement	Three, side to side						
	No. of plates per cell	17		18				
	Terminal grounded	Negative						
	Battery mounted on	Frame right side						
Head-lamps	Type	Two beam						
	Diameter	8-7/16"		8-3/16"		9-1/8"		
	Length	18-7/16"		9-7/8"		9"		
	Lens	7"						
	Bulb	Type	Two filament					
		Size	#2320L				#1116L	
		Candle power	30 upper beam-21 lower beam					
	Reflector type	Tilt-ray						
	Dimmed by	Depressed beam operated by foot switch						
	Beam indicator	Size & C.F.	#51, 1		None			
No. used		One		None				
Parking light bulb	Location	In each headlamp						
	Size and candle power	#55, 1-1/2				#63, 3		
Tail and stop lamp	Number used	Two on all body types except Stw. Mas. 60 Sed, Cos. & 561., which have one		One				
	Type	Combined in one assembly						
	Bulb size and candle power	Tail lamp	Trunk & Cpe. models #1154, 3; all others #63, 3		#63, 3			
		Stop lamp	Trunk & Cpe. models #1154, 2; all others #63, 3		#67, 15			
		Stop lamp operation	Hydraulic switch on brake main cylinder					
License lamp bulb size and C.F.	#63, 3							
Instrument cluster	Number of lights	Two						
	Size and candle power	#55, 1-1/2		#51, 1				
Ignition lock light	Bulb size	#51		None				
	Candle power	1		None				
Dome lamp	Used in	All except Stw.		All closed bodies except cab				
	Bulb size	#51		#87-Carryall Suburban; #61-Panels				
		6		15-Carryall Suburban; 6-Panels				
	Switch location	At right hand door pillar on all Mas. Deluxe except Cpe. On lamp on all Mas. 60 and Coupes		To rear of left hand door pillar				
Fuse	Type and amps.	57E-30						
	Location	On light switch						
Light switch make	Delco-Remy							
Horn	Make and type	Delco-Remy, vibrator						
	Tone adjustment	Screw type						
	Location	Left side of engine on intake manifold						

INSTRUMENTS

NOTE: AC. TYPE: Fuel gauge and battery charge indicator are the electric type, heat indicator and oil gauge are the pressure type, and the speedometer is driven by a flexible shaft.

PASSENGER CARS

SPEEDOMETER HEADLAMP

HEAT INDICATOR

BATTERY CHARGE
INDICATOR

WATER HEAT
INDICATOR ON
DPA5, N.P.O.
ON MASTER 88

MEDALLION USED IN PLACE
OF WATER HEAT INDICATOR
ON MASTER 88 MODELS

FUEL GAUGE

OIL PRESSURE
GAUGE

TRUCKS

SPEEDOMETER

FUEL GAUGE

AMMETER

WATER HEAT
INDICATOR

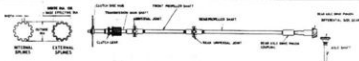
OIL PRESSURE
GAUGE

TOOLS

ITEM	PASSENGER CARS	TRUCKS			
	MASTER DELUXE & MAS. 88	LT. DEL.	3/4 TON	3/4 TON SPEC.	HEAVY DUTY
Jack	Bumper-1500#	2500#	3000#	3000#	3600# *
Type or capacity					
Raised height	Adjustable	14-1/16"	15-1/8"	16"	15-1/8"
Lowered height	Adjustable	8-1/16"	8-1/8"	9"	9-1/8"
Wire Iron	None				Yes
Starting crank and jack handle					
3-1/8" rd. shank screw driver					
Wrenches	6" adjustable				Yes
Open end					
Spark plug Wheel					
6" combination pliers					
10 oz. ball peen hammer					

12-15-38. 2-8-39 - Instrument types revised, * was 3000# 4-21-39. Passenger car dials revised.

SPLINES



NOTE: All couplings listed on this sheet have 10 splines.

UNIT		INTERNAL	EXTERNAL	INTERNAL	EXTERNAL	
Clutch disc hub and transmission clutch gear shaft	USED IN	SPAS, PAS, LT. DEL., 3/4 T & 3/4 TS		HEAVY DUTY		
	Width	.174 - .176	.1708 - .1722	.174 - .176	.1708 - .1732	
	Inside dia.	.920 - .925	.918 max.	.920 - .925	.919 max.	
Transmission mainshaft and front U joint front yoke	USED IN	SPAS, PAS, LT. DEL., 3/4 T & 3/4 TS		HEAVY DUTY EXCEPT 107-5/8" W.B. & 3.001		
	Width	.152 - .154	.151 - .152	.154 - .155	.1523 - .1535	
	Inside dia.	.849 - .857	.844 max.	1.124 - 1.126	1.177 max.	
Transmission mainshaft and front U joint front yoke	USED IN	107-5/8" W.B. HEAVY DUTY COE				
	Width	.2120 - .2136	.2120 - .2135			
	Inside dia.	1.182 - 1.187	1.177 max.			
Front propeller shaft front end and front U joint rear yoke	USED IN	SPAS, PAS, & LT. DEL.		3/4 T, 3/4 TS & HEAVY DUTY		
	Width	.162 - .162	.158 - .159	.1990 - .2012	.198 - .198	
	Inside dia.	.907 - .915	.847 - .863	1.1145 - 1.1195	1.0212 - 1.0405	
Front propeller shaft front end and front U joint rear yoke	USED IN	107-5/8" W.B. HEAVY DUTY COE				
	Width	.1455 - .1470	.1430 - .1445			
	Inside dia.	1.295 - 1.300	1.281 - 1.286			
Front propeller shaft rear end and rear U joint front yoke	USED IN	3/4 T, 3/4 TS, & ALL HEAVY DUTY				
	Width	.214 - .215	.2120 - .2135			
	Inside dia.	1.124 - 1.126	1.177 max.			
Rear propeller shaft front end and rear U joint rear yoke	USED IN	3/4 T & 3/4 TS		HEAVY DUTY EXCEPT 107-5/8" W.B.		
	Width	.162 - .162	.158 - .159	.1990 - .2012	.198 - .198	
	Inside dia.	.907 - .915	.847 - .863	1.1145 - 1.1195	1.0212 - 1.0405	
Prop. shaft rear end coupling and rear axle drive pinion shaft	USED IN	SPAS, PAS, LT. DEL., 3/4 T & 3/4 TS		HEAVY DUTY EXCEPT 107-5/8" W.B.		
	Width	.1625 - .1615	.1585 - .1605	.1995 - .2005	.201 - .2035	
	Inside dia.	.907 - .915	.847 - .863	1.1118 - 1.1195	1.0232 - 1.0252	
Prop. shaft rear end coupling and rear axle drive pinion shaft	USED IN	107-5/8" W.B. HEAVY DUTY COE		107-5/8" W.B. H.D. COE-2 SPD. AXI		
	Width	.271 - .272	.269 - .271	.252 - .254	.251 - .255	
	Inside dia.	1.524 - 1.532	1.467 - 1.477	1.289 - 1.294	1.232 - 1.243	
Diff. side gear and axle shaft	USED IN	SPAS & PAS		HEAVY DUTY - 2 SPEED AXLE		
	Width	.182 - .183	.170 - .180	.175 - .175	.172 - .172	
	Inside dia.	1.039 - 1.044	1.004 - 1.014	1.612 - 1.617	1.562 - 1.572	
Diff. side gear and axle shaft	USED IN	LT. DEL., 3/4 T & 3/4 TS		HEAVY DUTY		
	Width	.189 - .192	.187 - .189	.229 - .232	.227 - .230	
	Inside dia.	1.095 - 1.100	1.060 - 1.070	1.472 - 1.477	1.440 - 1.450	
		Outside dia.	1.2551 - 1.2625	1.222 - 1.227	1.6735 - 1.6785	1.6245 - 1.6445

w = Propeller shaft spline dimensions are the same except 0.5, which is 1.278 - 1.284.
12-15-36

CHEVROLET 1939 SPECIFICATIONS

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BEARINGS													
ITEM	PART #	TYPE	INSIDE DIA.	OUTSIDE DIA.	WIDTH	A	B	C	D	E	F	G	
FRONT WHEEL	Inner	S.D. 909008	Cup-Cone	1.1899-1.1904	2.9625-2.9635	1.125 - 1.125	2	2	2	2			
		S.D. 909006	Cup-Cone	1.4060-1.4065	3.1481-3.1501	1.216 - 1.226					2		
	Outer	Sy. 179241	Bar'I.R.	1.5625-1.5630	3.1250-3.1256	1.230						2	2
		S.D. 909001	Cup-Cone	.7498 - .7503	2.0794-2.0805	.598 - .718	2	2	2	2			
KING PIN THRU	Chev. 373476	S.D. 909083	Cup-Cone	.8435 - .8440	2.2485-2.2505	.760 - .800					2		
		Sy. 179238*	Bar'I.R.	.9370 - .9375	2.2457-2.2465	.800						2	2
	Chev. 365809	Ball	*.660 - .678	1-5/8	9/16	2							
		Ball	*.735 - .745	1-9/16	9/16	2	2	2	2				
STEERING GEAR	Chev. 264340	Roller	*.9225 - .9228	1-23/32	5/8						2		
		Roller	1.135	2.1875	5/8							2	2
	Chev. 261886	Taper R.		1.750 - 1.7508	.375 - .377	2	2	2	2	2	2	2	
GENERATOR	S.D. 903203	Ball	.8689 - .8693	1.8743-1.8748	.6724	1	1	1	1	1	1	1	
WATER PUMP	S.D. 984214	SPECIAL DOUBLE ROW BALL BEARING					1	1	1	1	1	1	
CLUTCH	S.D. 909422	SPECIAL SINGLE ROW BALL BEARING AND SLEEVE					1	1	1	1	1	1	
TRANSMISSION	S.D. 903203	SPECIAL KNATT ROLLER BEARING					1	1	1	1	1	1	
		Clutch	S.F. 984141	Ball	1.3778-1.3780	2.8340-2.8346	.6643 - .6663	1	1	1	1	1	1
PROPPELLER SHAFT	S.D. 903209	Ball	1.7712-1.7717	3.3457-3.3465	.7430 - .7480						1	1	
		Main	Sy. 980752	Roller	14 rollers	1875 - 1875	.618 - .627	1	1	1	1		
	S.D. 903307	Ball	.9939 - .9943	2.4403-2.4409	.6643 - .6663	1	1	1	1				
		Counter Shaft, Rn	S.D. 903307	Ball	1.3778-1.3780	3.1490-3.1496	.8218 - .8268					1	1
UNIVERSAL JOINT	S.D. 903207	Ball	1.3778-1.3780	2.8340-2.8346	.6643 - .6663						1	1	
		Roller	.6812 - .6830	1.1880-1.1883	.922 - .942								
REAR AXLE	Pinion Front	S.D. 905306	D.R. Ball	1.1807-1.1811	2.8340-2.8346	1.1823-1.1875	1	1					
		S.D. 905206	D.R. Ball	1.1807-1.1811	2.4403-2.4409	.9345 - .9375				1	1		
		S.D. 905309	D.R. Ball	1.7712-1.7717	3.9368-3.9370	1.8595-1.8628						1	1
		Ch. 3651819	Roller	1.6250-1.6255	3.375 - 3.376	1.1875						1	1
	Pinion Rear	Ch. 3651818	Roller	1.8000-1.8005	3.375 - 3.376	1.1875						1	1
		S.D. 901305	Ball	.9659 - .9663	2.4403-2.4409	.6643 - .6663						1	1
	Diff. Bearing	Ch. 3651551	Roller	2.0000-2.0005	4.125 - 4.126	1.4375						1	1
		Ch. 3651550	Roller	2.0000 max.	4.125 - 4.126	1.4375						1	1
		Ch. 3651554	Roller	2.0000-2.0005	4.125 - 4.126	1.4375						1	1
		Sy. 127861	Bar'I.R.	1.6924-1.6929	2.9523-2.9528	.659 - .679	2	2					
SHAFT	S.D. 902100	Ball	1.6924-1.6929	3.1490-3.1496	.7057 - .7117					2	2		
	S.D. 904186	Ball	2.4403-2.4409	3.9368-3.9370	.8218 - .8268						2	2	
	Ch. 3651550	Roller	2.4250-2.4255	4.4375-4.4380	1.1875						2	2	
REAR WHEEL	Sy. 111103	Roller	1.2949-1.2957	2.4056-2.4062	1.209 - 1.219	2	2						
	Sy. 111104	Roller	1.5502-1.5506	2.7812-2.7818	1.334 - 1.344				2	2			
TOTAL NUMBER OF ANTI-FRICTION BEARINGS PER VEHICLE (LESS 2 SPEED AXLE)	S.D. 144527	Bar'I.R.	2.6250-2.6255	4.4680-4.4686	.970 - .975						2	2	
		Sy. 144525	Bar'I.R.	2.2500-2.2505	3.8750-3.8756	.895 - .900						2	2

A = MASTER DELUXE B = MASTER 95 C = LIGHT DELIVERY D = 3/4 TON & 3/4 TON SPECIAL E = HEAVY DUTY CONVENTIONAL F = 131-1/8" & 156-5/8" W.B. COE G = 107-5/8" W.B. COE H = ROLLER DR = DOUBLE ROW * - For RPO 2 SPEED AXLE * - Hyatt Roller Bearing #145443 with Heavy Duty R.F.O. 6.166 axle.

12-15-38. 2-8-39 - (a) symbol added to rear pinion bearing S.D. 901305, a was 17241, * was 17256, * .678 was .693, * .745 was .760, * .9325 was .9475.

BEARINGS

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ABBREVIATIONS

Act. Acting	Dbl. Double	N. Nearer	Rr. Rear
Amp. Ampere	Deflect. Deflection	Max. Maximum	Sect. Section
Av. Average	Diff. Differential	Min. Minimum	Ser. Service
B.H.P. Brake Horsepower	Disp. Displacement	Mm. Millimeter	Ship. Shipping
B.H.E.F. Brake Mean Effective Pressure	D.M. Deluxe Master	Mn. Manganese	Si. Silicon
Brg. Bearing	D.W. Dual Wheels	M.P.H. Miles Per Hour	Spec. Special
B.T.C. Before Top Center	Eff. Effective	M.D. New Departure	Spd. Speed
Bush. Bushing	F. Fahrenheit	O.D. Outside Diameter	Sq. In. Square Inches
Cap. Capacity	Ft. Lb. Foot Pound	Oz. Ounces	Stl. Steel
Car. Carbon	H.D. Heavy Duty	F. Fitch	S.W. Single Wheel
C.I. Cast Iron	Hg. Mercury	F.D. Fitch Diameter	Thd. Threaded
Coa. Coach	H.P. Horsepower	Pres. Pressure	Thds. Threads
COE Cab-over-engine	Hrs. Hours	R.A. Rear Axle	Theo. Theoretical
Conv. Conventional	Hy. Hyatt	Rd. Round	Thick. Thickness
C.F. Candlepower	I.D. Inside Diameter	R.H. Right Hand	Trd. Tread
Cu. In. Cubic Inch	Lb. Pounds	R.P.M. Revolutions per minute	U.C. Upper Center
Cyl. Cylinder	L.C. Lower Center	R.P.O. Regular	W.B. Wheelbase
D. Diameter	L.H. Left Hand	Production Option	3/4 T. 3/4 Ton
12-15-38	Lt. Del. Light Delivery		3/4 T.S. 3/4 Ton Special