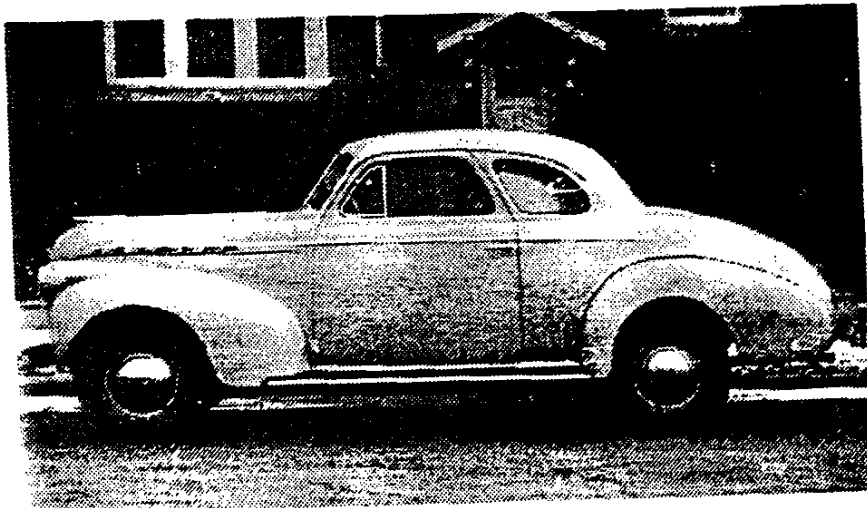


# CHEVROLET



1940 Chevrolet. Special Deluxe. coupe. JAC

**1940**

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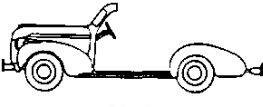
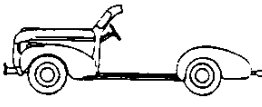


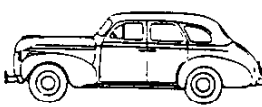
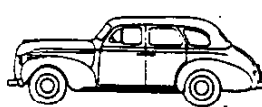
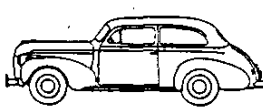
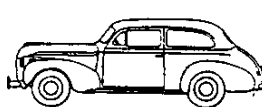
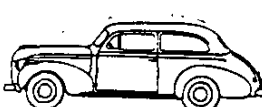

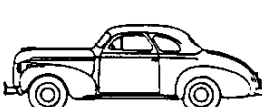

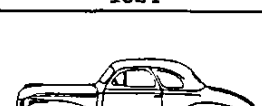
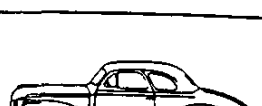
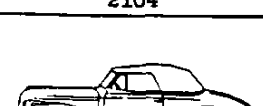
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### BASIC MODELS

VEHICLE TYPE	MODEL NAME	NOMINAL RATING	WHEELBASE	SERIES LETTERS	SERIES NUMBERS
Passenger car and commercial cars on passenger car chassis.	Special Deluxe	None	113"	KA	2000
	Master Deluxe			KH	1500
	Master 85			KB	1000
Light commercial trucks	Light Delivery	1/2 Ton	113-1/2"	KC	3000
	3/4 Ton	3/4 Ton	123-3/4"	KD	
	3/4 TSS (RPO)			KE	
	3/4 TSL Panel •			KF	
Conventional heavy duty trucks	Conventional Heavy Duty	1 Ton (RPO)	133"	WA	4000
		1-1/2 Tons			
School bus chassis	Short School Bus (RPO)	None	158-1/2"	WB	
	Long School Bus		193-5/8"	WC	
Cab-over-engine trucks	Cab-Over-Engine (COE)	1-1/2 Tons	107-5/8"	WD	5000
			131-1/8"	WE	
			156-5/8"	WF	

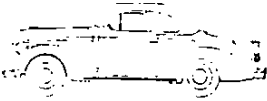
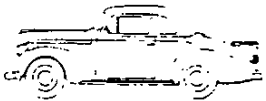
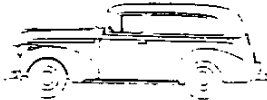

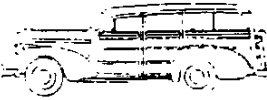

### VEHICLE TYPES—PASSENGER CARS—113' WHEELBASE

DESCRIPTION	VEHICLE TYPES (with engineering symbols)		
	SPECIAL DELUXE	MASTER DELUXE	MASTER 85
CHASSIS WITH COWL AND WINDSHIELD For mounting bodies other than Chevrolet. Mfg. symbol - PCH	 2101	 1501	 1101
SPORT SEDAN  5 passenger, 4 door sedan with trunk. Mfg. symbol - CSED	 2103	 1503	 1103
TOWN SEDAN  5 passenger, 2 door sedan with trunk. Mfg. symbol - TSED	 2102	 1502	 1102
COUPE 4 ( 4 PASSENGER COUPE or SPORT COUPE) 4 passenger, 5 window coupe with rear seat in passenger compartment and luggage compartment in rear deck. Mfg. symbol - CPE4	 2124	 1524	Not furnished
COUPE 2 (BUSINESS COUPE) 2 passenger, 5 window coupe with luggage compartments in the passenger compartment and in the rear deck. Mfg. symbol - CPE2	 2104	 1504	 1104
CABRIOLET (CONVERTIBLE COUPE) 4 passenger, folding top coupe with rear seat in passenger compartment and luggage compartment in rear deck. Mfg. symbol - CBL	 2134	Not furnished	Not furnished




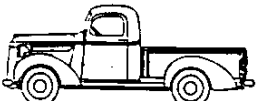



11-10-39. 12-27-39; • - 3/4 TSL added.



## VEHICLE TYPES—COMMERCIAL CARS (ON PASSENGER CAR CHASSIS) —113" WHEELBASE

DESCRIPTION	VEHICLE TYPES (with engineering symbols)		
	SPECIAL DELUXE	MASTER DELUXE	MASTER 85
<p><b>COUPE 2 WITH PICKUP BOX (COUPE PICKUP)</b> 2 passenger, 5 window coupe with luggage space behind seat in car and pickup box in rear deck. Mfg. symbol - CPEB</p>	<p>Not furnished</p>	 1514	 1114
<p><b>SEDAN DELIVERY</b> 2 passenger, 3 door panel delivery. Mfg. symbol - SDL</p>	<p>Not furnished</p>	 1508	 1108
<p><b>STATION WAGON</b> 8 passenger, 4 door wood body with rear drop and lift gates. Mfg. symbol - STWG</p>	 2109	<p>Not furnished</p>	 1109

## VEHICLE TYPES—LIGHT COMMERCIAL ½-TON TRUCKS—113½" WHEELBASE

<p><b>CHASSIS WITH FLAT FACE COWL</b></p>  <p>For mounting bodies other than Chevrolet. Mfg. symbols - 3102, CCH</p>	<p><b>STRIPPED CHASSIS WITH FLAT FACE COWL</b></p> <p>Less sheet metal, running boards, fenders, bumpers, and spare tire.</p> <p>For mounting bodies other than Chevrolet. Mfg. symbols - 3122, CCHS</p>	<p><b>CHASSIS WITH COWL AND WINDSHIELD</b></p>  <p>For mounting bodies other than Chevrolet. Mfg. symbols - 3112, CCHW</p>
<p><b>STRIPPED CHASSIS WITH COWL AND WINDSHIELD</b></p> <p>Less sheet metal, running boards, fenders, bumpers, and spare tire.</p> <p>For mounting bodies other than Chevrolet. Mfg. symbols - 3132, CCHWS</p>	<p><b>CHASSIS WITH CAB</b></p>  <p>For mounting Chevrolet and other bodies. Mfg. symbols - 3103, CCAB</p>	<p><b>PICKUP TRUCK</b></p>  <p>Chassis, cab and pickup box. Mfg. symbols - 3104, CCBX</p>
<p><b>PANEL TRUCK</b></p>  <p>Panel body with 2 rear doors. Mfg. symbols - 3105, CPAN</p>	<p><b>CANOPY EXPRESS TRUCK</b></p> <p>Side screens are RPO equipment.</p>  <p>Open side body with steel canopy roof and tail gate. Mfg. symbols - 3107, CCAN</p>	<p><b>CLOSED (CARRYALL) SUBURBAN</b></p>  <p>8 passenger closed body. Mfg. symbols: 3116, CSUBG (with tail gate and upper door); 3106, CSUBD (with panel rear doors).</p>

11-10-39



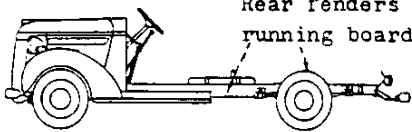
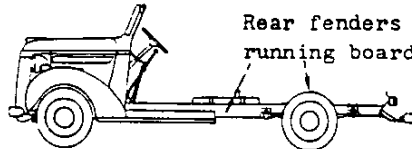
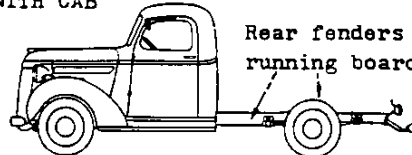
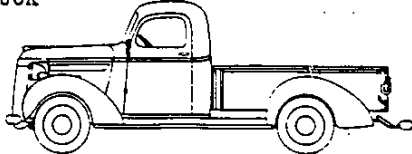
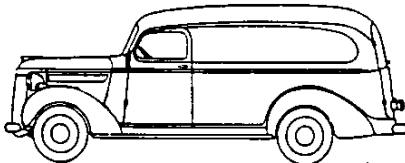
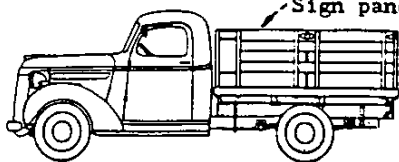
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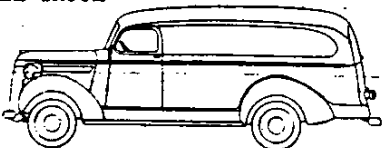


## VEHICLE TYPES—LIGHT COMMERCIAL 3/4-TON TRUCKS—123 1/4' WHEELBASE

NOTE: A combination of RPO equipment consisting of heavier rear springs and tires, larger rear brakes and stronger wheels is available for the vehicle types listed below. When this equipment is used, the model name becomes 3/4 Ton Special.

<p><b>CHASSIS WITH FLAT FACE COWL</b></p> <div style="text-align: center;">  <p>Rear fenders and long running boards (RPO).</p> </div> <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 3602, CLCH</p>	<p><b>STRIPPED CHASSIS WITH FLAT FACE COWL</b></p> <p>Less sheet metal, running boards, fenders, bumpers, and spare tire.</p> <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 3622, CLCHS</p>
<p><b>CHASSIS WITH COWL AND WINDSHIELD</b></p> <div style="text-align: center;">  <p>Rear fenders and long running boards (RPO).</p> </div> <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 3612, CLCHW</p>	<p><b>STRIPPED CHASSIS WITH COWL AND WINDSHIELD</b></p> <p>Less sheet metal, running boards, fenders, bumpers and spare tire.</p> <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 3632, CLCWS</p>
<p><b>CHASSIS WITH CAB</b></p> <div style="text-align: center;">  <p>Rear fenders and long running boards (RPO).</p> </div> <p>For mounting bodies other than Chevrolet</p> <p>Mfg. symbols - 3603, CLCAB</p>	<p><b>PICKUP TRUCK</b></p> <div style="text-align: center;">  </div> <p>Chassis, cab, and pickup box.</p> <p>Mfg. symbols - 3604, CLBX</p>
<p><b>PANEL TRUCK</b></p> <div style="text-align: center;">  </div> <p>Panel body with 2 rear doors.</p> <p>Mfg. symbols - 3605, CLPAN</p>	<p><b>STAKE TRUCK</b></p> <div style="text-align: center;">  <p>Sign panels (RPO)</p> </div> <p>Chassis, cab, platform, and stakes. (Also available without stake equipment.)</p> <p>Mfg. symbols 3609, CLSTK (with platform and stakes) 3608, CLPL (with platform)</p>

## VEHICLE TYPES—LIGHT COMMERCIAL 3/4-TON SPECIAL PANEL—133' WHEELBASE

<p><b>PANEL TRUCK</b></p> <div style="text-align: center;">  </div> <p>Panel body with 2 rear doors.</p> <p>Mfg. symbols - 3805, CTPAN</p>	<p>This model is a combination of the 1-1/2 Ton panel truck and the 3/4 Ton Special 123-3/4" W.B. chassis. The 1-1/2 Ton units are the frame, radiator, steering gear, engine side pans, battery cables, gasoline tank, muffler tail pipe, fenders, running boards, and panel body. The other chassis units are the same as for the 3/4 TSS except where length is added to take care of the increased wheelbase. Available RPO are the same as for the 3/4 TSS except 7.00-17, 8 ply tires and the 1-1/2 Ton panel auxiliary seat.</p> <p>11-10-39. 12-27-39; 3/4 TSL panel truck added.</p>
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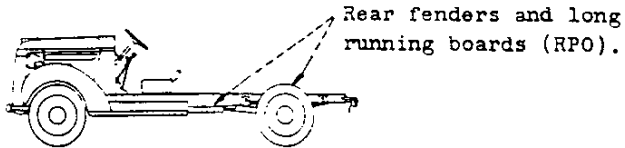




## VEHICLE TYPES—CONVENTIONAL HEAVY DUTY 1½-TON TRUCKS 133" WHEELBASE

SINGLE REAR WHEELS ARE BASE EQUIPMENT FOR THE FOLLOWING TRUCKS. DUAL REAR WHEELS ARE RPO EQUIPMENT.  
NOTE: RPO equipment consisting of lighter rear springs and 6.00-20.6 ply tires is available for the vehicle types listed below. When this equipment is used, the rated capacity becomes One Ton.

CHASSIS WITH FLAT FACE COWL \*



For mounting bodies other than Chevrolet.

Mfg. symbols - 4102, UCH

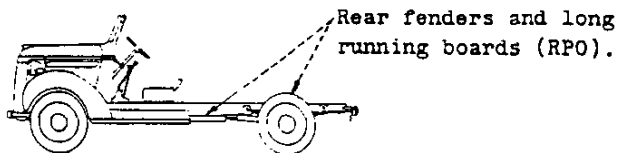
STRIPPED CHASSIS WITH FLAT FACE COWL

Less sheet metal, running boards, fenders, and front bumper.

For mounting bodies other than Chevrolet.

Mfg. symbols - 4122, UCHS

CHASSIS WITH COWL AND WINDSHIELD \*



For mounting bodies other than Chevrolet.

Mfg. symbols - 4112, UCHW

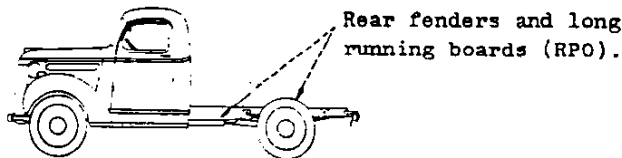
STRIPPED CHASSIS WITH COWL AND WINDSHIELD

Less sheet metal, running boards, fenders, and front bumper.

For mounting bodies other than Chevrolet.

Mfg. symbols - 4132, UCHWS

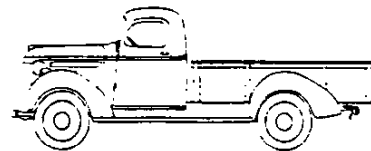
CHASSIS WITH CAB



For mounting bodies other than Chevrolet.

Mfg. symbols - 4103, UCAB

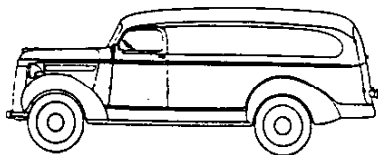
OPEN EXPRESS (PICKUP) TRUCK



Chassis, cab, and pickup box.

Mfg. symbols - 4104, UEXP

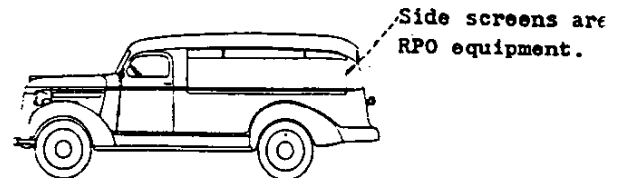
PANEL TRUCK



Panel body with 2 rear doors.

Mfg. symbols - 4105, UPAN

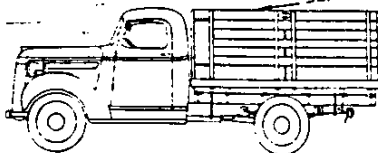
CANOPY EXPRESS TRUCK



Open side body with steel canopy roof & tailgate

Mfg. symbols - 4107, UCAN

STAKE TRUCK



Sign panels and steel floor (RPO)

Chassis, cab, platform, and stakes.  
(Also available without stake equipment.)

Mfg. symbols:

4109, USTK (with platform and stakes)

4108, UCPL (with platform)

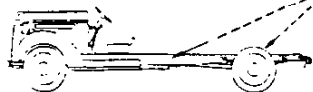
11-10-39. 12-27-39; \*- Illustrations revised.



## VEHICLE TYPES—CONVENTIONAL HEAVY DUTY 1½-TON TRUCKS 158½" WHEELBASE

SINGLE REAR WHEELS ARE BASE EQUIPMENT FOR THE FOLLOWING TRUCKS. DUAL REAR WHEELS ARE RPO EQUIPMENT.

### CHASSIS WITH FLAT FACE COWL



Long running boards and rear fenders for dual wheels (RPO)

For mounting bodies other than Chevrolet.

Mfg. symbols - 4402, ULCH

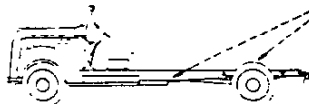
### STRIPPED CHASSIS WITH FLAT FACE COWL

Less sheet metal, running boards, fenders, and front bumper.

For mounting bodies other than Chevrolet.

Mfg. symbols - 4422, ULCHS

### CHASSIS WITH COWL & WINDSHIELD



Long running boards and rear fenders for dual wheels (RPO)

For mounting bodies other than Chevrolet.

Mfg. symbols - 4412, ULCHW

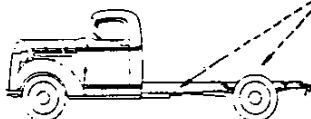
### STRIPPED CHASSIS WITH COWL & WINDSHIELD

Less sheet metal, running boards, fenders, and front bumper.

For mounting bodies other than Chevrolet.

Mfg. symbols - 4432, ULCWS

### CHASSIS WITH CAB

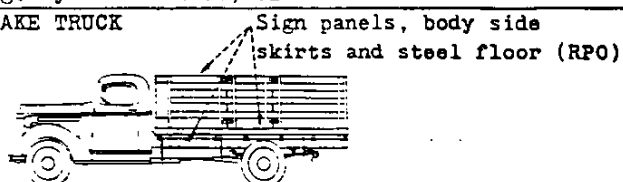


Long running boards and rear fenders for dual wheels (RPO)

For mounting bodies other than Chevrolet

Mfg. symbols - 4403, ULCAB

### STAKE TRUCK



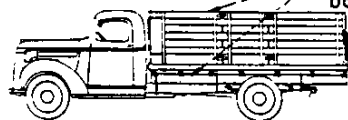
Sign panels, body side skirts and steel floor (RPO)

Chassis, cab, platform and stakes.

(Also available without stake equipment)

Mfg. symbols: 4409, ULSTK (with platform and stakes); 4408, ULCPL (with platform)

### STAKE EXPRESS TRUCK

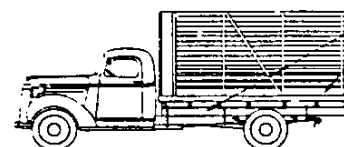


Sign panels and body side skirts (RPO)

Chassis, cab, express platform, stakes and tail gate. (Also available without stakes and tail gate).

Mfg. symbols: 4429, ULXST (with platform, stakes and tail gate); 4418, ULXP (with platform).

### STOCK (HIGH) RACK TRUCK



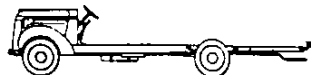
Side skirts and steel floor (RPO)

Chassis, cab, platform and high stakes.

Mfg. symbols - 4419, ULSTO

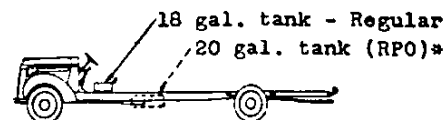
## SCHOOL BUS CHASSIS

### 158-1/2" W.B. (SHORT) SCHOOL BUS CHASSIS - RPO



This is the regular conventional heavy duty chassis less running boards and step hangers, but including the following equipment: 50" frame extension, progressive type rear springs, 19 plate battery, side mounted fuel tank, 6.17:1 rear axle. Minimum size tires, front and dual rear, are 6.50-20, 6 ply.

### 193-5/8" W.B. (LONG) SCHOOL BUS CHASSIS



18 gal. tank - Regular  
20 gal. tank (RPO)\*

Required equipment consists of governor (set not to exceed 35 MPH), progressive type rear springs, 6.17:1 rear axle. Minimum size tires, front and dual rear are 32 x 6, 8 ply.

Mfg. symbols - 4702, SBCH

11-10-39. 4-1-40; \* - added

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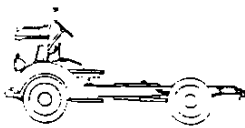
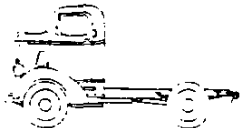
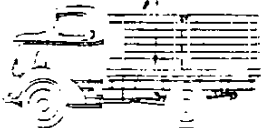
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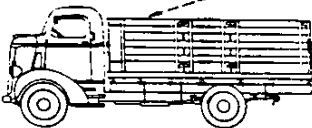
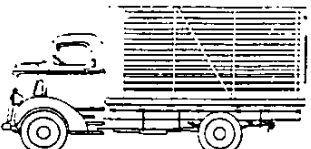
### VEHICLE TYPES—CAB-OVER-ENGINE 1½-TON TRUCKS—107¾" WHEELBASE

SINGLE REAR WHEELS ARE BASE EQUIPMENT FOR THE FOLLOWING TRUCKS. DUAL REAR WHEELS ARE RPO EQUIPMENT.

CHASSIS WITH COWL AND WINDSHIELD	CHASSIS WITH CAB	STAKE TRUCK
 <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 5112, FCHW</p>	 <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 5103, FCAB</p>	<p>Sign panels and steel floor (RPO)</p>  <p>Chassis, cab, platform and stakes (Available without stake equip.)</p> <p>Mfg. symbols: 5109, FSTK (platform and stakes) 5108, FCPL (platform)</p>

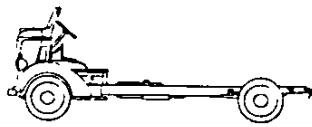
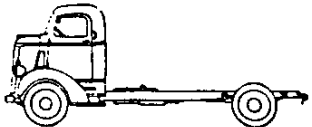
### VEHICLE TYPES—CAB-OVER-ENGINE 1½-TON TRUCKS—131¾" WHEELBASE

SINGLE REAR WHEELS ARE BASE EQUIPMENT FOR THE FOLLOWING TRUCKS. DUAL REAR WHEELS ARE RPO EQUIPMENT.

CHASSIS WITH COWL AND WINDSHIELD	CHASSIS WITH CAB	STAKE TRUCK
 <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 5412, FLCEW</p>	 <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 5403, FLCAB</p>	<p>Sign panels and steel floor (RPO)</p>  <p>Chassis, cab, platform and stakes. (Available without stake equip.)</p> <p>Mfg. symbols: 5409, FLST (platform and stakes) 5408, FLCPL (with platform)</p>
<p>STAKE EXPRESS TRUCK</p>  <p>Chassis, cab, platform, stakes and tail gate. (Also available without stake equipment).</p> <p>Mfg. symbols: 5429, FLXST (with platform and stakes); 5418, FLXPL (with platform)</p>	<p>STOCK (HIGH) RACK TRUCK</p>  <p>Chassis, cab, platform and high stakes.</p> <p>Mfg. symbols - 5419, FLSTO</p>	

### VEHICLE TYPES—CAB-OVER-ENGINE 1½-TON TRUCKS—156¾" WHEELBASE

SINGLE REAR WHEELS ARE BASE EQUIPMENT FOR THE FOLLOWING TRUCKS. DUAL REAR WHEELS ARE RPO EQUIPMENT.

CHASSIS WITH COWL AND WINDSHIELD	CHASSIS WITH CAB
 <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 5712, FVCHW</p>	 <p>For mounting bodies other than Chevrolet.</p> <p>Mfg. symbols - 5703, FVCAB</p>

11-10-39

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## UNIT SERIAL NUMBERS

UNITS	PASS. & COMM. CARS		LIGHT COMMERCIAL TRUCKS			CONV. HD TRUCKS & SCHOOL BUSES	COE TRUCKS.	
	SPECIAL DELUXE & MASTER DELUXE.	MASTER 85.	LIGHT DELIVERY.	3/4 TON	3/4 TON SPECIAL			
Vehicle	Number	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; 5-Kansas City, Missouri; 6-Oakland, California; 8-Atlanta, Georgia; 9-Norwood, Ohio; 12-Buffalo, N. Y.; 14-Baltimore, Maryland; 21-Janesville, 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, 1KB08-23182 is the serial number of the 22182nd 1940 Master 85 passenger car that was made at Flint in August.						
Engine	Numbers	Engine serial numbers start at 2697268 at Flint and at 8-105462 at Tonawanda. The number is preceded by prefix letters designating the various models and plants as shown below.						
	Flint	No prefix	Z		AT	T	F	
	Tonawanda	B	KB.		ATB	TB	- - -	
Trans- mission	Numbers	Transmission serial numbers start with the numbers listed below and continue in numerical sequence for each model and plant as shown.						
	Toledo	- - - -	(RPO 4-speed - 9000001)			9000001		
	Saginaw	0000001	- - - -			- - - -		
	Muncie	3000001	6000001 (RPO 4-speed - 7000001)			7000001		
Rear Axle	Numbers	Rear axle serial numbers start at the numbers listed below with the prefix letters for the plants and models as shown.						
	Detroit	Reg	2258238	C-2258238	2258238	T-2258238	74996	
		RPO	- - - -				H-74996 (6.17 A.)	
		RPO	- - - -				2H-74996 (2 Speed A.)	
	Tona- wanda	Reg	B-70492	GB-70492	B-70492	TB-70492	B-44628	
		RPO	- - - -				HB-44628 (6.17 A.)	

### SERIAL NUMBER LOCATIONS

VEHICLE SERIAL NUMBER - Passenger and Commercial Cars - Stamped on plate on right side of floor pan in front of front seat.  
Trucks - Stamped on plate on right side of cowl under the hood (except COE); stamped on plate on rear of dash on COE trucks.

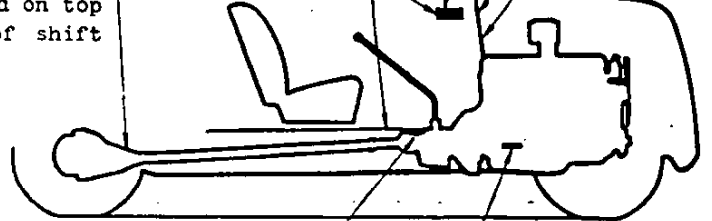
#### REAR AXLE SERIAL NUMBER

Passenger and Commercial Cars, and Light Delivery trucks - Stamped on front upper surface of differential carrier.

Conventional Heavy Duty and COE trucks, and School Buses - 5.43 and RPO 6.17 ratio axles: stamped on upper surface of horizontal rib on differential carrier; RPO two-speed rear axle: stamped on top of differential carrier just forward of shift lever.

FISHER BODY NO.  
(Ft. of dash, right side)  
CHEVROLET

FRONT OF DASH



#### TRANSMISSION SERIAL NUMBER

Passenger and Commercial Cars - Stamped on case at front edge of cover.  
Light Commercial trucks - 3-speed: stamped on case at rear edge of cover; RPO 4-speed: stamped on rear left hand side of case.  
Conventional Heavy Duty trucks, School Buses and COE trucks - Stamped on rear left hand side of case.

ENGINE SERIAL NUMBER  
Stamped on crankcase on right hand side of engine to rear of distributor.



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## VEHICLE WEIGHT CONDITIONS

**SHIPPING WEIGHT** - This is the total weight of the vehicle with all regular equipment. It includes front bumpers, rear bumpers on passenger cars, commercial cars, and light commercial trucks (except stake trucks), bumper guards on Special Deluxe and Master Deluxe passenger and commercial cars (except at rear of Station Wagon), spare wheel, spare tire on passenger cars, commercial cars and light commercial trucks, spare tire cover and lock on Station Wagons, tool kit, and grease or oil in all units.

All truck weights are given as with regular single rear wheel equipment; school buses, as with regular dual rear wheel equipment.

Regular tire sizes as included in the weights for the various vehicles are:

Passenger cars, commercial cars and Light Delivery trucks - 6.00-16, 4 ply front and rear.

3/4 Ton trucks - 15"-6 ply front and rear.

3/4 Ton Special trucks - 7.00-17, 6 ply front and rear.

Conventional Heavy Duty and COE trucks - 6.00-20 3 ply front; 32 x 6, 8 ply rear.

Short school bus - 6.50-20, 6 ply fr. & dual rear

Long school bus - 32 x 6, 3 ply, front and dual rear.

\* \* \* \* \*

**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; plus also the spare tire with conventional heavy duty and COE trucks, and school buses.

\* \* \* \* \*

**TRUCK 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 weight of the driver, pay load, gasoline and water.

PASSENGER CAR WEIGHTS						
TYPES	SPECIAL DELUXE		MASTER DELUXE		MASTER 85	
	Shipping	Curb	Shipping	Curb	Shipping	Curb
Chassis, cowl and windshield, underbody	* 2200	* 2325	* 2195	* 2320	* 2120	* 2245
On front wheels	* 1340	* 1355	* 1335	* 1350	* 1315	* 1330
On rear wheels	* 860	* 970	* 860	* 970	* 805	* 915
Sport Sedan	3010	3135	2990	3115	2930	3055
On front wheels	1575	1590	1555	1570	1530	1545
On rear wheels	1435	1545	1435	1545	1400	1510
Town Sedan	2980	3105	2965	3090	2915	3040
On front wheels	1570	1585	1545	1560	1525	1540
On rear wheels	1410	1520	1420	1530	1390	1500
4 Passenger Coupe	2945	3070	2925	3050	- - -	- - -
On front wheels	1555	1570	1550 ●	1565 ●	- - -	- - -
On rear wheels	1390	1500	1375 ●	1485 ●	- - -	- - -
Business Coupe	2930	3070	2920 ●	3060 ●	2865	3005
On front wheels	1560	1610	1555 ●	1605 ●	1535	1585
On rear wheels	1370	1460	1365 ●	1455 ●	1330	1420
Cabriolet	3160 ■	3285 ■	- - -	- - -	- - -	- - -
On front wheels	1650 ■	1665 ■	- - -	- - -	- - -	- - -
On rear wheels	1510 ■	1620 ■	- - -	- - -	- - -	- - -

COMMERCIAL CAR WEIGHTS						
TYPES	SPECIAL DELUXE		MASTER DELUXE		MASTER 85	
	Shipping	Curb	Shipping	Curb	Shipping	Curb
Coupe Pickup	- - -	- - -	3090 ■	3230 ■	3025	3165
On front wheels	- - -	- - -	1545 ■	1595 ■	1515 ■	1565 ■
On rear wheels	- - -	- - -	1545 ■	1635 ■	1510 ■	1600 ■
Sedan Delivery	- - -	- - -	2970 ●	3110 ●	2915	3055
On front wheels	- - -	- - -	1530 ●	1580 ●	1375	1425
On rear wheels	- - -	- - -	1440 ●	1530 ●	1540	1630
Station Wagon	3160 ●	3285 ●	- - -	- - -	3107 ●	3232 ●
On front wheels	1660 ●	1675 ●	- - -	- - -	1489 ●	1504 ●
On rear wheels	1500 ●	1610 ●	- - -	- - -	1618 ●	1728 ●

\* - Estimated weights.

11-10-39. 12-27-39; ● - weights revised. 4-1-40; ■ - weights revised.

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## LIGHT COMMERCIAL TRUCK WEIGHTS

For weight conditions, see page 11; for gross allowable weights and RPO equipment weights, see page 14.

TYPES	LIGHT DELIVERY		3/4 TON		3/4 TSS		3/4 TSL	
	Shipping	Curb	Shipping	Curb	Shipping	Curb	Shipping	Curb
Chassis with flat face cowl	2195	2325	2355	2495	* 2560 ●	* 2700 ●	- - -	- - -
On front wheels	1330	1390	1425	1490	* 1465	* 1530	- - -	- - -
On rear wheels	865	935	930	1005	* 1095 ●	* 1170 ●	- - -	- - -
Stripped chassis with flat face cowl	* 1985	* 2115	* 2190	* 2330	* 2340	* 2480	- - -	- - -
On front wheels							- - -	- - -
On rear wheels							- - -	- - -
Chassis with cowl and windshield	2245	2375	2405	2545	* 2590	* 2730	- - -	- - -
On front wheels	1380	1440	1475	1540			- - -	- - -
On rear wheels	865	935	930	1005			- - -	- - -
Stripped chassis with cowl and windshield	* 2035	* 2155	* 2240	* 2380	* 2390	* 2530	- - -	- - -
On front wheels							- - -	- - -
On rear wheels							- - -	- - -
Chassis with cab	2595	2735	2755	2895	* 2950 ●	* 3090 ●	- - -	- - -
On front wheels	1560	1645	1640	1725	* 1675	* 1760	- - -	- - -
On rear wheels	1035	1090	1115	1170	* 1275 ●	* 1330 ●	- - -	- - -
Pickup truck	2840	2980	3110	3250	* 3240 ●	* 3380 ●	- - -	- - -
On front wheels	1530	1615	1655	1720	* 1710 ●	* 1795 ●	- - -	- - -
On rear wheels	1310	1365	1455	1530	* 1530 ●	* 1595 ●	- - -	- - -
Panel truck	3050	3180	3325	3465	* 3475 ●	* 3615 ●	3700 ■	3840 ■
On front wheels	1485	1545	1635	1700	* 1655 ●	* 1720 ●	1725 ■	1815 ■
On rear wheels	1565	1635	1690	1765	* 1820 ●	* 1895 ●	1975 ■	2025 ■
Canopy express truck	3050	3180	- - -	- - -	- - -	- - -	- - -	- - -
On front wheels	1505	1565	- - -	- - -	- - -	- - -	- - -	- - -
On rear wheels	1545	1615	- - -	- - -	- - -	- - -	- - -	- - -
Carryall suburban ∅	3300	3430	- - -	- - -	- - -	- - -	- - -	- - -
On front wheels	1500	1560	- - -	- - -	- - -	- - -	- - -	- - -
On rear wheels	1800	1870	- - -	- - -	- - -	- - -	- - -	- - -
Stake truck	- - -	- - -	3330 ●	3470 ●	* 3510	* 3650	- - -	- - -
On front wheels	- - -	- - -	1670 ●	1755 ●	* 1735	* 1820	- - -	- - -
On rear wheels	- - -	- - -	1660 ●	1715 ●	* 1775	* 1830	- - -	- - -

∅ - With end gate. Weight with panel doors, 20 lbs. less.

### SCHOOL BUS CHASSIS

For weight conditions, see page 11.

TYPES	Shipping	Curb
158-1/2" wheelbase	3344 ■	3532 ■
On front wheels	1734 ■	1824 ■
On rear wheels	1610 ■	1708 ■
193-5/8" wheelbase	3555	3750
On front wheels	1830	1920
On rear wheels	1725	1830

\* - Estimated weights.

11-10-39. 12-27-39; ● - Weights revised. 4-1-40; ■ - Weights added.

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### CONVENTIONAL HEAVY DUTY TRUCK WEIGHTS

TYPES - For weight conditions, see page 11; for gross allowable weights and RPO equipment weights, see page 14.	ONE TON		1-1/2 TON			
	133" WHEELBASE		133" WHEELBASE		158-1/2" WHEELBASE	
	Shipping	Curb	Shipping	Curb	Shipping	Curb
Chassis with flat face cowl	2940	3120	3000	3195	3065	3260
On front wheels	1670	1760	1670	1760	1720	1810
On rear wheels	1270	1360	1330	1435	1345	1450
Stripped chassis with flat face cowl	* 2755	* 2895	* 2815	* 2955	* 2880	* 3020
On front wheels						
On rear wheels						
Chassis with cowl and windshield	* 2990	* 3170	3050	3245	3115	3310
On front wheels	* 1720	* 1810	1720	1810	1770	1860
On rear wheels	* 1270	* 1360	1330	1435	1345	1450
Stripped chassis, cowl, windshield	* 2805	* 2945	* 2865	* 3005	* 2930	* 3070
On front wheels						
On rear wheels						
Chassis with cab	* 3335	* 3515	3395	3590	3470	3665
On front wheels	* 1900	* 1990	1900	1990	1990	2080
On rear wheels	* 1435	* 1525	1445	1600	1480	1585
Open express (pickup) truck	* 3775	3970	3895■	4090■	- - -	- - -
On front wheels			1905■	1995■	- - -	- - -
On rear wheels			1990■	2095■	- - -	- - -
Panel truck	* 4015	* 4210	4045	4240	- - -	- - -
On front wheels	* 1870	* 1960	1870	1960	- - -	- - -
On rear wheels	* 2145	* 2250	2175	2280	- - -	- - -
Canopy express truck	* 3970	* 4165	4030	4225	- - -	- - -
On front wheels	* 1870	* 1960	1870	1960	- - -	- - -
On rear wheels	* 2100	* 2205	2160	2265	- - -	- - -
Stake truck	* 4130	* 4325	4175●	4370●	4445●	4640●
On front wheels			1900●	1990●	2010●	2100●
On rear wheels			2275●	2380●	2435●	2540●
Stake express truck	- - -	- - -	- - -	- - -	4515●	4710●
On front wheels	- - -	- - -	- - -	- - -	2075●	2165●
On rear wheels	- - -	- - -	- - -	- - -	2440●	2545●
Stock (high) rack truck	- - -	- - -	- - -	- - -	4750●	4945●
On front wheels	- - -	- - -	- - -	- - -	2060●	2150●
On rear wheels	- - -	- - -	- - -	- - -	2690●	2795●

### CAB-OVER-ENGINE TRUCK WEIGHTS

TYPES - For weight conditions, see page 11; for gross allowable weights and RPO equipment weights, see page 14.	107-5/8" WHEELBASE		131-1/8" WHEELBASE		156-5/8" WHEELBASE	
	Shipping	Curb	Shipping	Curb	Shipping	Curb
	Chassis with cowl and windshield	3310■	3510■	3405■	3605■	3510■
On front wheels						
On rear wheels						
Chassis with cab	3520	3720	3605	3805	3725●	3925●
On front wheels	2165	2245	2265	2355	2350●	2445●
On rear wheels	1355	1475	1340	1450	1375●	1480●
Stake truck	4285●	4485●	4630●	4830●	- - -	- - -
On front wheels	2235●	2315●	2380●	2470●	- - -	- - -
On rear wheels	2050●	2170●	2250●	2360●	- - -	- - -
Stake express truck	- - -	- - -	4665	4865	- - -	- - -
On front wheels	- - -	- - -			- - -	- - -
On rear wheels	- - -	- - -			- - -	- - -
Stock (high) rack truck	- - -	- - -	4905■	5105■	- - -	- - -
On front wheels	- - -	- - -			- - -	- - -
On rear wheels	- - -	- - -			- - -	- - -

\* - Estimated weights.

11-10-39. 12-27-39; ● - weights revised. 4-1-40; ■ - weights revised.

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## TRUCK GROSS ALLOWABLE WEIGHTS

NOMINAL RATING	GROSS WEIGHT	MINIMUM TIRE EQUIPMENT		REQUIRED EQUIPMENT		
		FRONT	REAR	AUX. REAR SPRING	GOVERNOR	REAR AXLE
LIGHT DELIVERY - 1/2 TON	4400	6.00-16, 4 Ply	6.00-16, 4 Ply single	- - -	- - -	4.11:1
	*4600	6.00-16, 6 Ply	6.00-16, 6 Ply single	- - -	- - -	
	3/4 TON	5200	15"-6 Ply	15"-6 Ply single	- - -	
3/4 TON SPECIAL@	*5500	7.00-17, 8 Ply	7.00-17, 8 Ply single	- - -	- - -	4.55:1
ONE TON CHD	#6700	6.00-20, 8 Ply	6.00-20, 8 Ply single	- - -	- - -	5.43:1 or 6.17:1
1-1/2 TON CONVENTIONAL HEAVY DUTY AND CAS-OVER-ENGINE	7700	6.00-20, 8 Ply	32 x 6, 8 Ply single	- - -	- - -	
	8000	6.00-20, 8 Ply	32 x 6, 10 Ply single	- - -	- - -	
	9500	6.00-20, 8 Ply	6.00-20, 8 Ply dual	- - -	- - -	
	*11500	6.50-20, 8 Ply	32 x 6, 10 Ply dual	Yes	- - -	
*13500	6.50-20, 8 Ply	32 x 6, 10 Ply dual	Yes	Yes %	6.17:1	
1-1/2 TON CONVENTIONAL HEAVY DUTY AND CAS-OVER-ENGINE	9500	6.50-20, 8 Ply	32 x 6, 8 Ply dual	- - -	- - -	Two Speed and 3.22:1
	11500	32 x 6, 8 Ply	32 x 6, 10 Ply dual	Yes	- - -	
	13500	32 x 6, 8 Ply	32 x 6, 10 Ply dual	Yes	Yes %	
	*12000	32 x 5, 8 Ply	34 x 7, 10 Ply dual	Yes	- - -	
	*14000	32 x 6, 8 Ply	34 x 7, 10 Ply dual	Yes	Yes %	

\* - Plates as supplied with each vehicle show maximum load rating. Deviation of tires and equipment from corresponding rating as shown restrict load capacity in accordance with table. 8-9 leaf rear springs and 14" rear brakes. # - 8 leaf rear springs. % - Governor set not to exceed 45 MPH.

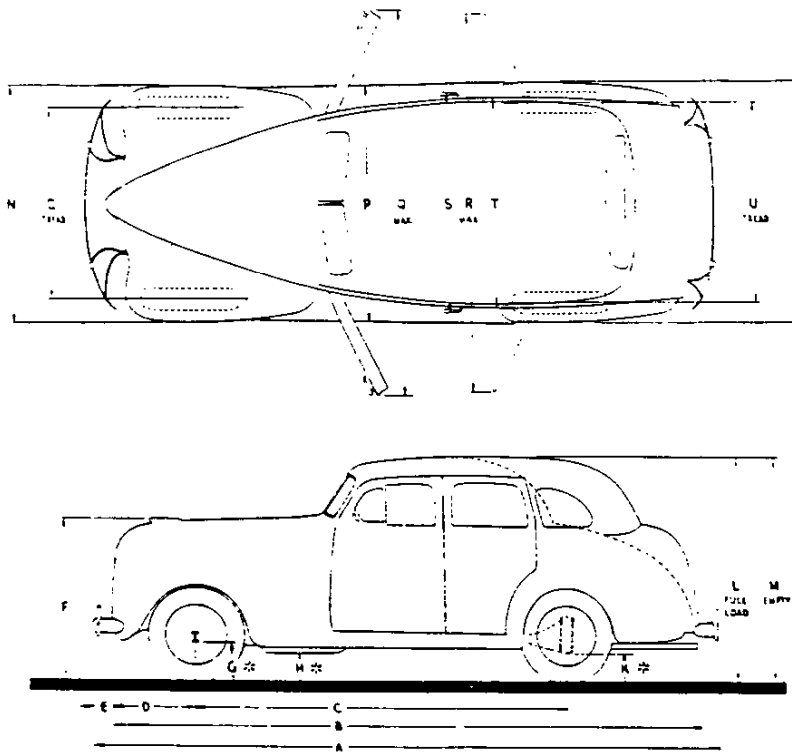
TRUCK EQUIPMENT WEIGHTS	1/2 T	3/4 T	3/4 TS	1 TON	SC	LC	SCOE	MCOE	LCOE
Cab (including cowl) •				468				520	
Flat face cowl				78					
Cowl and windshield				107					
Pick-up box	234	262		440					
Panel body	921	963		1096					
Carryall suburban body, end gate	1100								
Carryall suburban body, panel doors	1080								
Canopy express body	904			1012					
Stake platform, wood		370		508		641			
Express platform, wood						614			
Stake platform, steel									
Stake rack equipment		180		258		304			
Stock rack equipment						554			
Express rack equipment						354			
Sign panel equipment									
Platform skirt and tool box equipment									
2 speed rear axle equipment - **					158	150	106	158	159
4 speed transmission - **	49	51	52						
2 two-stage rear springs & equipment**					46	33		46	
2 auxiliary rear springs & equipment**					77	80		77	
5.50-18, 4 ply tire and wheel	51-1/2								
6.00-16, 4 ply tire and wheel	42								
6.00-16, 6 ply tire and wheel	48-1/4								
7.00-17, 6 ply tire and wheel			84-1/2						
15"-6 ply tire and wheel	61-1/4								
7.50-17, 8 ply tire and wheel			96-3/4						
6.00-20, 6 ply tire and wheel						85			
6.50-20, 6 ply tire and wheel						91			
7.00-20, 8 ply tire and wheel						107			
7.50-20, 8 ply tire and wheel						130			
8.25-20, 10 ply tire and wheel						171-3/4			
30 x 5, 6 ply tire and wheel						83			
32 x 6, 8 ply tire and wheel						97-1/2			
32 x 6, 10 ply tire and wheel						123			
34 x 7, 10 ply tire and wheel						164			

\*\* - Add to regular equipment. On 3/4 TSL, 7.00-17, 8 ply tire and wheel weight, 96-1/4. ■  
 11-10-39. 12-27-39; • - Revised, ■ - Note revised.





## PASSENGER CAR EXTERIOR DIMENSIONS



### LEGEND

- A-Overall length.
- B-Overall length, less bumpers.
- C-Wheelbase.
- D-Center of wheels to grille front.
- E-Grille front to front of bumper.
- F-Maximum height of radiator ornament from ground, loaded.
- \*G-Minimum "front axle" ground clearance.
- \*H-Minimum exhaust pipe ground clearance.
- \*K-Minimum rear axle ground clearance.
- L-Maximum height of car, loaded.
- N-Maximum height of car, empty.
- M-Max. width over front fenders.
- O-Front tread.
- P-Max. width over running boards.
- Q-Maximum width over front doors, opened.
- R-Maximum width over rear doors, opened.
- S-Max. width over door handles.
- T-Maximum body width.
- U-Rear tread.
- V-Max. width over rear fenders.

\*- G, H, & K based on Tire & Rim Association standards.\*

SPECIAL DELUXE					MASTER DELUXE				MASTER 85			
SPORT SEDAN	TOWN SEDAN	FOUR PASS. COUPE	BUSINESS COUPE	CABRIOLET	SPORT SEDAN	TOWN SEDAN	FOUR PASS. COUPE	BUSINESS COUPE	SPORT SEDAN	TOWN SEDAN	BUSINESS COUPE	
192-3/16"												A
131"												B
113"												C
25-5/16"												D
5-3/16"												E
47-15/16"						49-3/16"						F
◆ 3-1/15" (under coil spring seat)						= 8-9/16" (under I beam)						G
▼ 8"						= 8-3/8"						H
■ 8-1/2"												K
65-1/4"		65-13/16"			66-1/4"		65-13/16"		66-5/8"		66-3/16"	L
62-1/2"		66-7/8"			68-1/2"		66-7/8"		66-7/8"		67-1/4"	M
70-7/16"												N
57-21/32"						56-3/8"						O
72-13/16"												P
120-1/2"		138"			120-1/2"		138"		120-1/2"		138"	Q
115-1/2"		None			115-1/2"		None		115-1/2"		None	R
67-5/8"		67-3/4"			67-5/8"		67-3/4"		67-5/8"		67-3/4"	S
62-5/8"		62-3/4"			62-5/8"		62-3/4"		62-5/8"		62-3/4"	T
59"												U
71-21/32"												V

11-10-39. 12-27-39; ● - note added, ◆ - was 7-25/32", = - was 5-17/64", ▼ - was 7-5/8", ■ - was 8-23/64", ■ - was 7-27/32"







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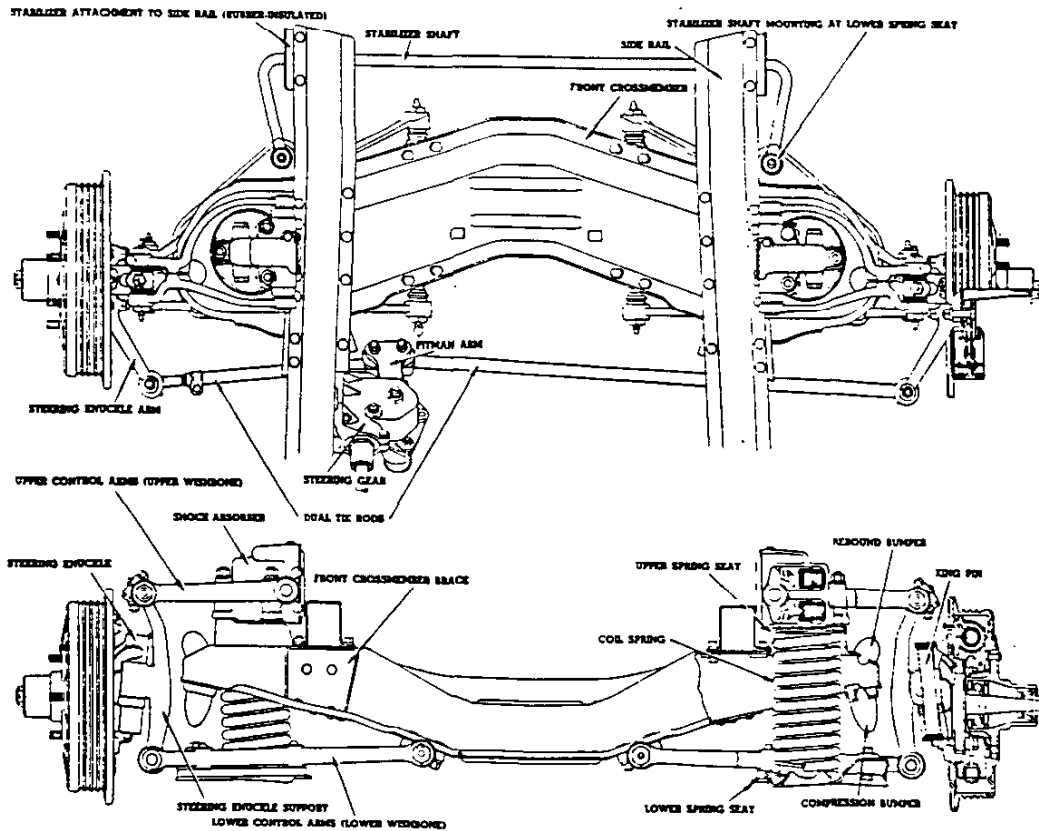
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# KNEE ACTION FRONT SUSPENSION—SPECIAL DE LUXE AND MASTER DE LUXE



SPRING	
Type	R.H. Helical Coil
Material	Silicon-Manganese Steel
Gauge (Dia.)	.576" - .580"
Number of coils	11-1/6
Outside diameter	4-3/8"
Pitch diameter (theo.)	3.781"
Free length	13-15/16"
Working length	9-17/32" at 1310#
Deflection rate	300#/inch
Frequency	Curb load 77
Cycles/min.	Full load 75

WHEEL TRAVEL	
For steering	38° 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 at rate of 111#/inch
	Spring travels 2-7/16" at rate of 300#/inch

BEARINGS		UPPER CONTROL ARMS			LOWER CONTROL ARMS			
		PIVOT BOLT	Ft. BUSH.	Rr. BUSH.	PIVOT BOLT	BOLT BUSH.	SHAFT BUSH.	SHAFT ENDS
Type		Threaded						
Material	Carbon steel	Hardened	File hard surface		Hardened	File hard surface		Hardened
T h r e a d s	Type	Ends	11 P, Single		11 Pitch, Single			
		Center	14 P, Double					
	Major Dia.	Front	.644" - .652"		.738" - .756"			
		Center	.967" - .971"		.724" - .742"		.774" min. .889" min.	
	Rear	.644" - .652"		.714" - .732"		.853" - .859"		
Mounting		Clamp lock			Self locking			Bolted
Seal		Synthetic rubber, self sealing						

11-10-39

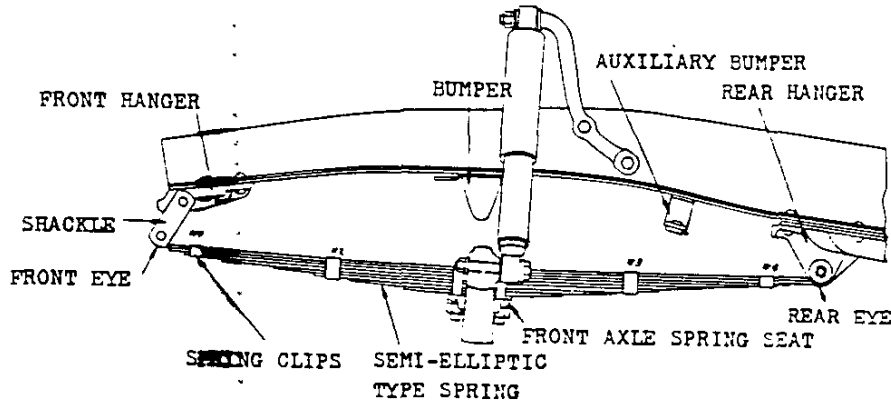


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## FRONT SUSPENSION

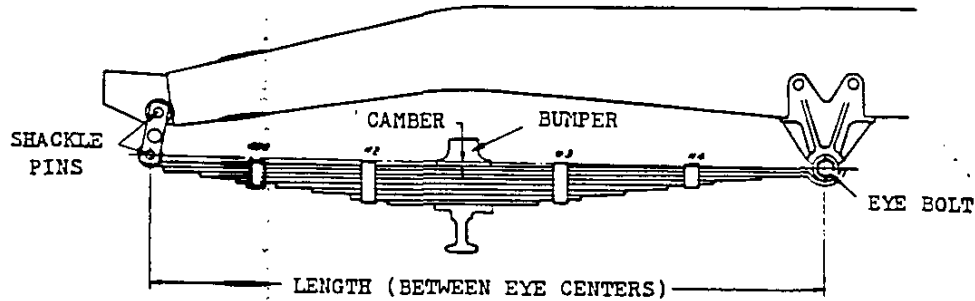
MASTER 85  
TYPE



SPRING CLIP  
TYPES



CONVENTIONAL  
TRUCK TYPES



SPRING LEAF  
END TYPES



ITEM	PASSENGER AND COMM. CARS	CONVENTIONAL TRUCKS					CAB OVER ENGINE TRUCKS	
	MASTER 85	LT. DEL.	3/4T & 3/4TS	HEAVY DUTY REG.	R.P.O.	LONG SCHOOL BUS		
Type		Semi-elliptic						
Material-steel		Chromium		Chrome vanadium			Chromium	
Number of leaves	8	7	8	9	7	10	8	
Thickness of leaves	#1	.194"	.237"	.291"	.323"	.291"	.291"	.291"
	#2			.262"	.291"	.262"	.262"	
	#3							
	#4	.176"	.194"	.237"	.262"	None	.237"	
	#5							
	#6,#7							
	#8	None	None	None	None	None	.237"	
#9								
#10	None	None	None	None	None	None	None	
Total thickness	1.480"	1.487"	2.050"	2.448"	1.863"	2.524"	2.328"	
Length x width	36" X 1-3/4"							
Camber (Av.)	9/16"	5/8"	7/16"	3/4"	1-11/32"	9/16"	7/16"	
Load at camber height (Av.)	695#	775#	785#	950#		1550#	1225#	
Deflection (Av.)	175#/"	260#/"	475#/"	645#/"	475#/"	560#/"	675#/"	
Leaf end type	Tapered	Curled down			Flat			
Spring clip type	#1	Clinch			Bolt			
	#2	Clinch	None			Bolt		
	#3	Clinch			Bolt			
	#4	Clinch			Bolt			

11-10-39

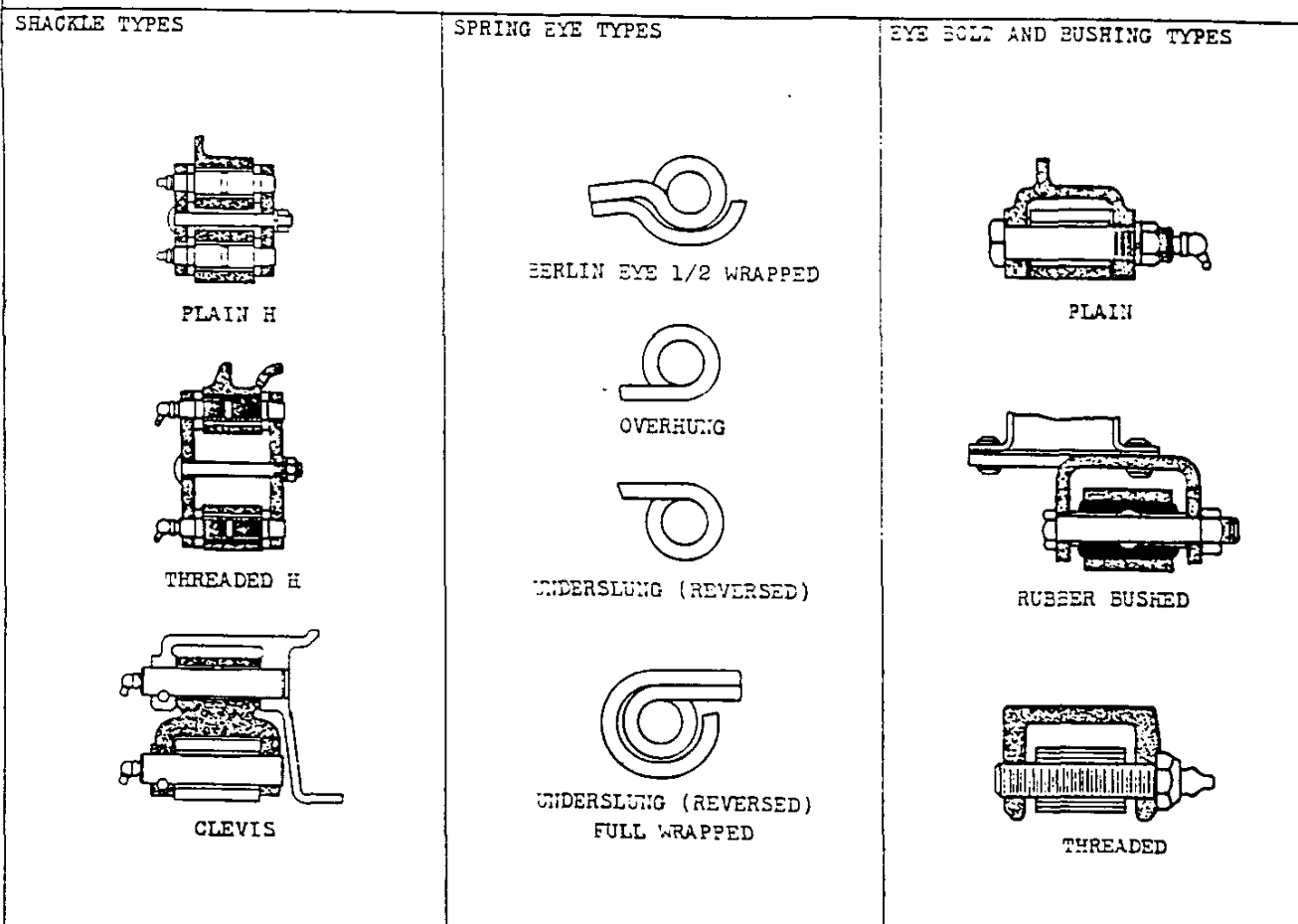


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## FRONT SPRING MOUNTING



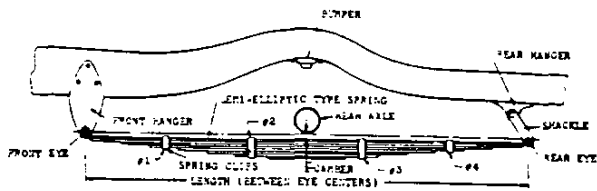
ITEM	PASS. AND COMM. CARS		CONV. TRUCKS & SCHOOL BUSES			CAB OVER ENGINE TRUCKS
	MASTER 85		LIGHT DELIVERY	3/4 T AND 3/4 TS	CHD & SCHOOL BUSES	
Front eye type	Overhung					Overhung 1/8 wrapped
Rear eye type	Berlin eye full wrapped		Berlin eye 1/2 wrapped			Overhung 1/4 wrapped
Shackle	Location	At front				At rear
	Type	Threaded H				
Shackle pins	Material	Carbon steel, file hard case				
	Diameter	.619" P.D. 11 threads per inch. Threads cadmium plated			.623" P.D. 11 Thds./" Copper plated	
Eye bolt	Material	Carbon steel, hardened	Carbon steel, file hard case			
	Diameter	.616" P.D. 11 Thds./"	.683"			
	Type	Thread. for bushing	Screwed into hanger			
Front bushing	Material	Carbon steel-file hard case			Bronze	
	Size	.631" P.D. 11 threads x 1-3/4"			.687" x 1-15/16"	
	Type	Threaded for shackle pin				Plain
Rear bushing	Material	Car. steel, file hard	Bronze		Car. steel, file hard	
	Size	.631" P.D. x 1-3/4"	.687" I.D. x 1-11/16"		.631" P.D. x 2"	
	Type	Thd. for eye bolt	Plain		Thd. for shackle pin	
Spring-axle assembly	Two U-bolts per spring					
Spring U-bolt	Material	H.R. Steel, hardened				
	Diameter	1/2"			5/8"	
Bumper material	Spring bumper rubber					
Spring mounting	Parallel		8°-4' (incl. angle)		7°-49' (incl. angle)	
Spring centers	23-1/5"		26-13/16"			

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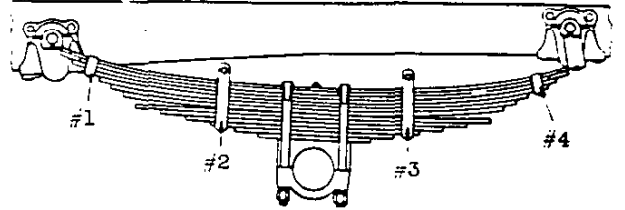


## REAR SPRINGS

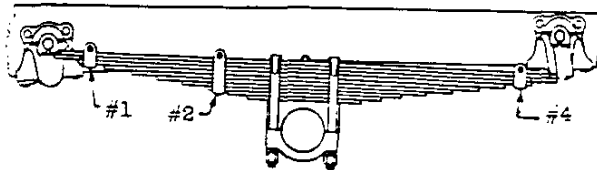
PASSENGER & COMMERCIAL CAR,  
3: LIGHT DELIVERY TRUCK TYPE SPRING



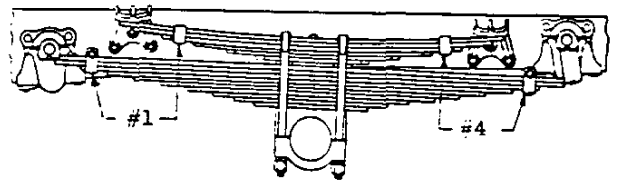
SCHOOL BUSES AND RPO PROGRESSIVE ACTION SPRING



3/4 TON, 3/4 TON SPEC., CHD & COE TRUCK SPRING



RPO AUXILIARY SPRING



ITEM	PASS. & COMM. CARS					TRUCKS & SCHOOL BUSES						
	PCH TS SS Cpe B Cpe 2 * Cpe 4 * Cbl *	Cpe 2 Cpe 4	Cbl	SDL STW	Lt. Del.	3/4 Ton	3/4 Ton Special	All CHD and COE except Panel @	CHD Panel and RPO One Ton	SSB-LSB and RPO Prog. Action	RPO Auxiliary	
Type	Semi-elliptic											
Material-Steel	Chromium					Silicon-Manganese						
No. of leaves	8	7	7	8	8	8	9	10	8	11	6	
Thick- ness of leaves	#1	.237"	.237"	.237"	.237"	.291"	.291"	.323"	.291"	.360"	.323"	
	#2											
	#3	.214"	.214"	None	None	None	None	None	None	None		
	#4											
	#5	None	None	None	None	None	None	None	None	None		
	#6											
	#7	None	None	None	None	None	None	None	None	None		
	#8											
	#9	None	None	None	None	None	None	None	None	None		
	#10											
	#11	None	None	None	None	None	None	None	None	None	None	
#11												
Total thick.	1.827"	1.567"	1.613"	1.896"	2.328"	2.392"	2.683"	3.230"	2.328"	3.775"	1.938"	
Eff. Length	49"				54-1/8"	45"					31-1/4"@@	
Width	1-3/4"				2"		2-1/2"					
Camber (Av.)	5/16" Negative				1/2"	37/64"	19/64"	1/2"	1-1/16"	1-1/64"	None	
Load at camber	920#	750#	825#	1050#	1150#	1400#	1650#	2950#	1500#	4000#	Engages at 1900#	
Height (Av.)	120#/"	105#/"	112#/"	145#/"	190#/"	450#/"	505#/"	840#/"	490#/"	**	1530#/"	
Deflect (Av.)	Tapered		Curled		Flat							
Leaf end type	Cinch		Cinch		Cinch		Bolt					Cinch
Spring	Cinch		Cinch		Cinch		Bolt					Cinch
Clip	Cinch (None on SD & MD)		Cinch		Bolt		None		Bolt		None	
Type	Cinch (None on SD & MD)		Cinch		None		None		Bolt		None	
Type	Cinch		Cinch		Bolt		Bolt					Cinch
Spring covers	Yes (on SD & MD)				None							

NOTES: \*- With RPO 18" wheels. @ - Used on 133" Panel with RPO dual wheels. \*\* - 550#/" between 500# and 1100#; 1100#/" between 2500# and 3600#. @@ - Between bracket centers.

11-10-39

CHEVROLET 1940 SPECIFICATIONS

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### REAR SPRINGS MOUNTING

ITEM	PASS. AND COMM. CARS		TRUCKS & SCHOOL BUSES			
			LIGHT DELIVERY	3/4 TON & 3.4 TON SPEC.	CHD, COE & SB	
Front eye type	Overhung					
Rear eye type	Overhung		Overhung			
Shackle	Location	At rear				
	Type	Threaded H		2 bushings .375 I.D. x 1-1/8"		
Shackle pins	Material	Carbon steel, file hard case				
	Diameter	.623" P.D., 11 threads per inch, Cadmium plated			.675"	
Eye bolt or pin	Material	Carbon steel, hardened		Carbon steel, file hard case		
	Diameter	.502"		.563"		.575"
	Type	Plain		Screws into hanger		Plain
Front bushing	Material	Rubber and steel		Bronze		Carbon steel
	Size	.505" Min. I.D. x 2.405"		.587" I.D. x 1-11/16"	.573" I.D. x 1.990"	
	Housing	Stl. 1-5/32" O.D. x 2"		None		
	Type	Rubber bushed		Plain		
Rear bushing	Material	Carbon steel, file hard case		Carbon steel		
	Size	.631" P.D., 11 threads x 1-3/4"		.578" I.D. x 1.990"		.675" I.D. x 2.490"
	Type	Threaded for shackle pin		Plain		
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	Material	Carbon steel, hardened				
	Diameter	1/2"				Carbon steel 3/8"
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"	

② - Hardened on 107-5/8" W.B. C.O.E., also when progressive action or auxiliary spring is used.

### SHOCK ABSORBERS

ITEM	PASS. AND COMM. CARS				TRUCKS & SCHOOL BUSES									
	SD and MD		MASTER 85		LT.DEL.		3/4 TON		3/4 T.S.		CHD, COE, & SB			
	Front	Rear	Front	Rear	Ft.	Rr.	Ft.	Rr.	Ft.	Rr.	Ft.	Rr.		
Regular Shock Absorbers	Make	Delco-Hydraulic												
	Type	Double acting End-to-end discharge		Dbl.act. airplane		Single acting Conventional						None		
	Valve Code #	D-.5		A 1										
	Bumper Rebound	2E		5F		4E6		5G		4CG				3CG
Piston dia.	1-1/2"		1"		1-1/4"		1-1/2"							
RPO Shock Absorbers	Make	Delco Hydraulic												
	Type	Double acting -												
	Valve Code #	G2		G2		G0		G2		G0		G2		
	Bumper Rebound	2J		2G		2J		1J		2J		1J		
Piston dia.	1-1/2"										1-3/4"			

### RIDE STABILIZER

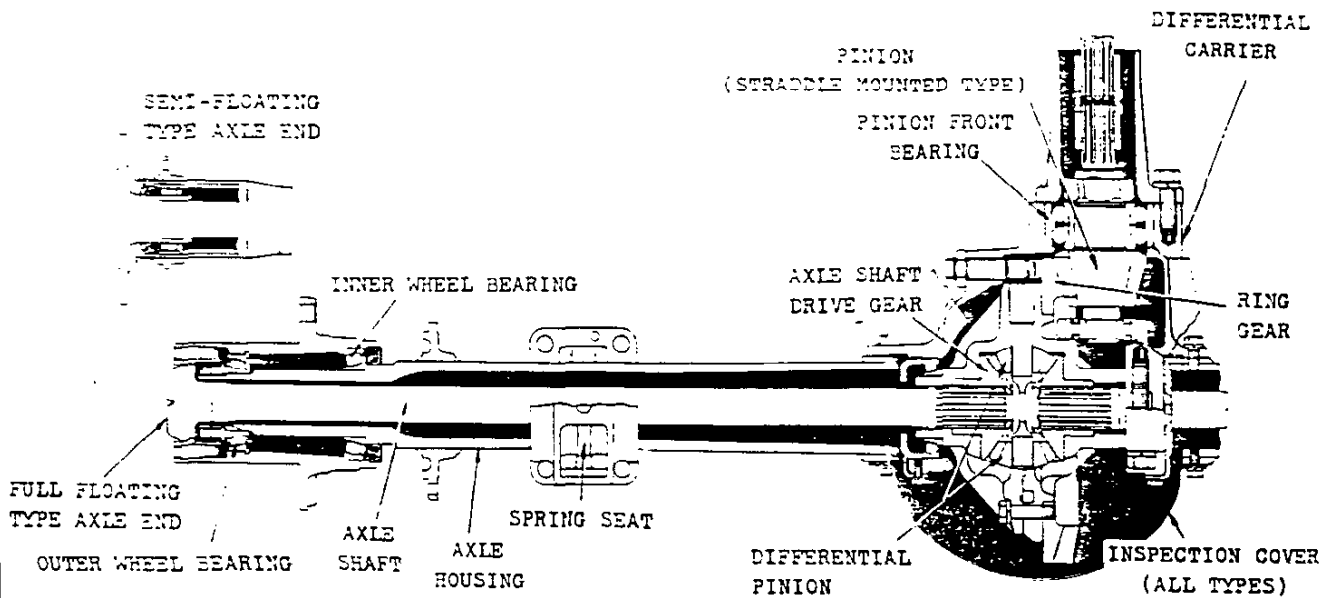
ITEM	PASS. & COMM. CARS		TRUCKS & SCHOOL BUSES			
	SD and MD		MASTER 85		LT.DEL. *	
Type	Torsion bar in rubber bushing					
Mounting	Bolted to lower front spring seat.		Bolted to front spring		None	
Material	Carbon steel-tempered					

\* - With suburban and panel bodies and chassis with cowl.





## REAR AXLE



ITEM	PASS. & COMM. CARS		TRUCKS & SCHOOL BUSES						
	SD and MD	MASTER 85 and RPO on SD & MD	LIGHT DELIVERY 3-SPEED TRANS.	4-SPEED TRANS.	3/4 T and 3/4 TS 3-SPEED TRANS.	4-SPEED TRANS.	CHD, SB & COE ** 4-SPEED TRANS. REG. * OPT. 333		
Type	Semi-floating						Full floating		
Gross rating	3000# •		3300#		3900#		10,300#		
Housing type	Pressed steel banjo. Formed in two pieces that are welded together along the seams.				Banjo. Formed from one-piece welded steel tube.				
Final gears	Type	Spiral Hypoid							
	Ratio	4.111	3.727	4.111	4.555	5.428	6.166		
	Teeth	37-9	41-11	37-9	41-9	38-7	37-6		
Gear back lash	.005"-.007"			.005"-.008"					
Pinion mounting	Adjustment	Overhung				Straddle			
	Front brg.	Shims and tapered collar				None			
	Rear brg.	N.D.-905306				N.D.-954237			
	Thrust	Hy.-125630				Hy.-144553			
Diff. type	Two pinion				Four pinion				
Diff. side brg.	Hy. 127861		Hy.-149520		Hy.-148399				
Wheel bearing	Hy.-111103		Hy.-111104		Hy.-178298		Inner-Hy.-144527 Outer-Hy.-144525		
Axle shaft	Type	Drive flange at wheel end forged integral with shaft							
	Min. Dia.	63/64" •		1-1/16"		1-5/32"		1-7/16"	
Drive torque	Through torque tube @								
Total gear reductions	1st.	12.086	10.957	12.086	29.706	13.392	32.914	39.223	44.555
	2nd.	5.906 ♦	6.261	6.906	14.298	7.652	15.842	18.879	21.445
	3rd.	4.111	3.727	4.111	7.034	4.555	7.794	9.287	10.550
	4th.	None		4.111	None	4.555	5.428	6.166	
	Reverse	12.086	10.957	12.086	29.385	13.392	32.559	38.799	44.075
Total axle shaft torque (ft.lb.)	1st.	1746	1583	1725	2061 %	1911	2656 %	5600	6362
	2nd.	998	905	986	2061 %	1092	2656 %	2695	3061
	3rd.	594	538	586	1003	650	1112	1326	1506
	4th.	None		586	None	650	774	879	
	Reverse	1746	1583	1725	2061 %	1911	2656 %	5600	6362

\* - Not available on 158-1/2" W.B. School bus. \*\* - Two-speed rear axle on next page. @ - Through springs on 107-5/8" W.B. COE. @@ - Rear axle ratio x transmission ratio. @@@ - Regular equipment on school buses. % - Total gear reduction x maximum engine torque x 85%. %% - Maximum.

11-10-39. 12-27-39; Pass. & Comm. car axle shaft torque revised. • - was 3300#, ♦ - was 2.906, ♣ - was 6-3/64"



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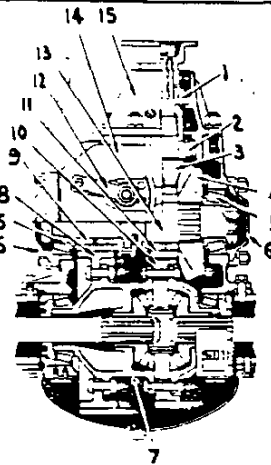
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## TWO-SPEED REAR AXLE—R.P.O. HEAVY DUTY TRUCK EQUIPMENT

GENERAL DATA		
Type	Double reduction, full-floating	
Gross rating	11,000#	
Housing type	Banjo. From one-piece seamless steel tube	
Final ratios	High 5.641 to 1 Low 8.221 to 1	
Drive torque	Through torque tubes	
Diff. type	Four pinion	
Diff. No.	Chev. 3651552	
brgs.	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	Hy. 144527
	Outer	Hy. 144525



- 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

TRANS. GEAR	TOTAL GEAR REDUCTIONS		MAX. AXLE SHAFT TORQUE (FT. LB.)	
	5.641 ratio	8.221 ratio	5.641 ratio	8.221 ratio
1st.	40.762	59.405	5821	8483
2nd.	19.619	28.593	2802	4083
3rd.	9.652	14.066	1378	2011
4th.	5.641	8.221	805	1174
Rev.	40.322	58.764	5753	8391

DOUBLE REDUCTION DRIVE GEARS		
High speed	Type	Helical spur
Low speed	Type	Helical spur
Pinion shaft brgs.	Left	Chev. 3651553
	Right	Chev. 3651554
Shifter bushing	Adj.	Shims; slight drag
	Mat'l	Alloy steel, hard. I.D. .8115"-.8125"

PRIMARY DRIVE GEARS	
Type	Spiral bevel
Ratio	2.375 to 1
Back-lash	.006" to .012"
Back-lash Adjustment	Shims at pinion bearing cage
P i n i o n	Teeth 8
	Mounting Overhung
	Ft. brg. Chev. 3651519
	Rr. brg. Chev. 3651551
	Bearing Lock nuts; free rolling, no end play
	Adj.
	Teeth 19
	Mounting Tapered splines

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

SPEEDOMETER GEARS								
REGULAR EQUIPMENT	PASS. AND COMM. CARS			TRUCKS				
	SD & MD	85		LD	3/4 TON	3/4TS	CHD & COE	LSB
Material	Carbon steel - file hard surface							
Pitch	Drive	18.629	22	18.629	30	18.629	22	
	Driven		22.403				22.403	
Teeth	Drive	4	5	4	6		4	
	Driven	12	14	12	19	12	13	15

RPO# EQUIPMENT	PASS. AND COMM. CARS		TRUCKS					
	SD & MD WITH 3.727 AXLE	ALL PASS. WITH 18" WHEEL@	LD WITH 4-SPEED TRANS.	3/4T WITH 4-SPEED TRANS.	3/4TS WITH 4-SPEED TRANS.	SSB	CHD & COE WITH 6.166 AXLE	CHD WITH 2-SPEED AXLE *
Material	Carbon steel - file hard surface							
Pitch	Drive	22	22.403	22		18.629	22	
	Driven		22.403				22.403	22 28
Teeth	Drive		5			4		15 18
	Driven		14		13	12	15	18 22

@ 4.111 Axle ratio. \* With two-speed adapter. # Only options involving changes in speedometer gears are listed.

11-10-39. 12-27-39; Two-speed axle max. torque revised.



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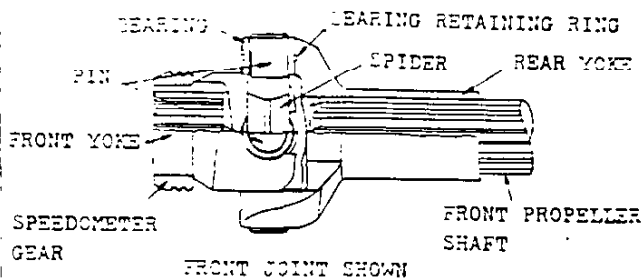
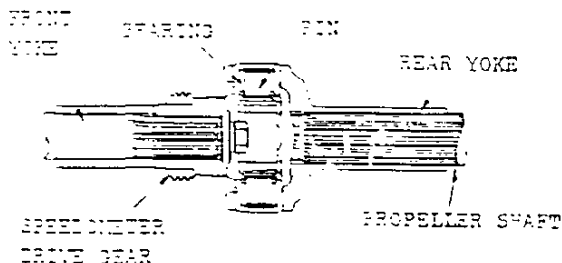
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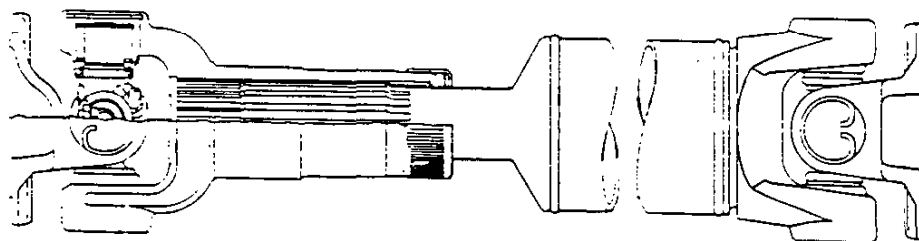
## UNIVERSAL JOINTS AND PROPELLER SHAFTS

PASSENGER & COMMERCIAL CARS & LIGHT DELIVERY TRUCK

3/4 T, 3/4 TS, 107-5/8, 131-1/8, 133" COE, LC, SSB AND SCHOOL BUS



107-5/8" COE TRUCK PROPELLER SHAFT



ITEM	PASS. & COMM. CARS		TRUCKS & SCHOOL BUSES					
	LT. DEL.		3/4 TON & 3/4 TS	107-5/8" COE	131-1/8" COE	133" CHD	LC, SSB LCOE	193-5/8" SCHOOL BBS
Type	Yoke and Spider							
	Number	1		2			3	
Location	Transmission							
		None		None			3rd. CM	
Trun. Mat.	Drop-forged steel-hardened							
		None		2nd. CM	Rear axle	2nd. CM		3rd. CM 4th. CM
Trun. Pin	.5277"		.7165"	.6803"		.7165"		.7165"
		None		.3100"	.6803"		.3100"	
Type	Needle Bearing		Bushing	Needle Brg.		Bushing		Bushing
		None		None			Needle Bearing	
r O.D.	.1039"		.7185"	.1249"		.7185"		.7185"
		None		None			.0939"	
n Eff.	.465"		.656"	.5946"		.656"		.656"
		None		None			.5040"	
s Lng.	None		.5040"	.5946"		.5040"		.656"
		None		10-11/64"	54-7/8" **	25-59/64"	25-7/8"	51-21/64" # 51-21/64" #
Number	1		2	1		2		3
		None		Solid	None		Solid	
Type	None							
		Tubular			None		Solid	
O.D.	None		1-11/32"	None		1.475"		1.475"
		1.695"	1.789"	3.000"		1.3075"		
Wall Thick.	None		Solid	None		Solid		Solid
		.094"	.141"	.141"	.083"		Solid	
Type of Ends	None		10-spline	16-spline		10-spline		10-spline
		17 Involute spline		16-spline		10-spline		

\* - I.D. on plain bushings. \*\* - On shaft centerline. @ - Measured horizontally unless otherwise specified. # - 51-3/8" on LCOE. - 35-1/64" Intermediate shaft. ▲ - 19-3/8" on 3/4 TSL.

11-10-39. 12-27-39; ▲ Dimension for 3/4 TSL added.

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BRAKES										
ITEM		PASS. AND		TRUCKS & SCHOOL BUSES						
		COMM. CAR	LIGHT DELIVERY	3/4 TON	3/4 TON SPEC.	CHD & SB	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.								
Brake drum	Type	Composite (C.I. rim & cooling ribs, pressed steel web) Pressed stl. Same as Pass								
	Dia-meter	Front	11"		14"		14"			
		Rear	11"		14"		16"			
Brake lining	Material	Full-moulded								
	Width	Front	1-3/4"				2"			
		Rear	1-3/4"				2"		3"	
	Thick-ness	Front	.187"-.194"				.243"-.250"		.265"-.272"	
		Rear	.187"-.194"				.265"-.272"		.243"-.250" .265"-.272"	
Clear-ance	Front	Adjust to slight drag. Back off 4 notches								
	Rear	Same as front				Adjust to slight drag. Back off 3 screw turn				
Lining area (total eff.)	Serv. brake	158-1/4 sq.in.		194-1/2 sq.in.		330-1/4 sq.in.				
	Hand brake	79-1/8 sq. in.		115-3/8 sq.in.		214-3/4 sq.in.				
Braking pressure	Front	52-1/2%		45-1/4%		41%				
	Rear	47-1/2%		54-3/4%		59%				
Braking ratio	Pedal	4.75:1	5.15:1		5.25:1					
	Hydraulic	11.59:1			7.61:1	8.84:1		9.75:1		
	Av. overall	55.8:1	61.3:1		40.0:1	46.4:1		51.3:1		
Foot pedal	Travel	6-11/32"		6-1/2"		7-3/4"				
	Mounting	With main cylinder to frame		With main cyl. to trans. & clutch housing		On clutch housing		On sub-frame		
	Pads, rubber	Yes		None						
Hand brake lever mounting		To cowl		To transmission				To sub-frame		

BRAKES HYDRAULIC DATA									
ITEM		PASS. AND		TRUCKS & SCHOOL BUSES					
		COMM. CAR	LIGHT DELIVERY	3/4 TON	3/4 TON SPEC.	CHD & SB	C.O.E.		
Wheel cyl.	Diameter	Front	1-1/4"						
		Rear	1-3/16"		1-3/8"		1-1/2"		
Piston travel for full pedal stroke		.110"		.130"		.125"			
Main cyl.	Diameter	1"		1-1/4"					
	Piston travel for full pedal stroke	1-5/16"	1.27"		.993"		1.225"		
Brake system fluid cap.		3/4 pint approximately							
Brake fluid recommended		Delco Super #9							

BRAKES-VACUUM BOOSTER-R.P.O.									
ITEM		CHD, SB, AND COE							
Type		Single line, vacuum suspended, re-actionary valve.							
Power distribution	Pedal	33%							
	Booster	67%							
Pedal pressure @ 1000# hydraulic pressure (without booster)		228#							
Pedal pressure @ 1000# hydraulic pressure (with booster)		146#							

PROPELLER SHAFT HAND BRAKE-RPO									
ITEM		LONG SCHOOL BUS							
Type		Double-face disc							
Brake lining size		3-7/16" inside radius x 5-7/16" outside radius x 1/4" thick x 90° arc							
Total lining area		27-7/8 sq.in.							

11-10-39





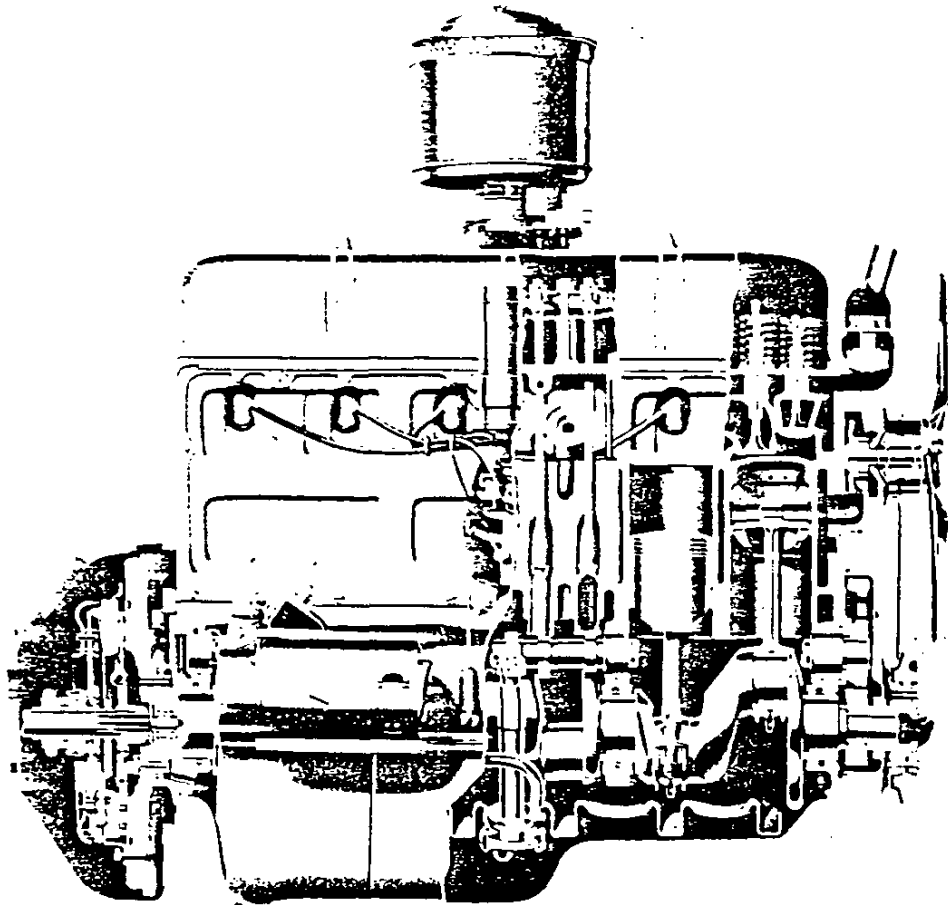
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## ENGINE GENERAL DATA

Illustration shows engine with passenger car air cleaner and clutch.



Type ..... Valve-In-Head  
 Cylinders ..... Six, in line  
 Bore ..... 3-1/2"  
 Stroke ..... 3-3/4"  
 Piston displacement ..... 216.5 cu. in.  
 Compression ratio ..... 6.25:1  
 Taxable horsepower ..... 29.4

	PASS. & COMM.		TRUCKS						
	CARS		LIGHT DEL.	3/4 TON	3/4 TON SPECIAL	CHD & SB		COE	
	SD & MD	85				S.W.	D.W.	S.W.	D.W.
Nominal max. gross horsepower	85 @ 3400		78 @ 3200 (85 @ 3400 **)					80 @ 3100	
Nominal max. gross torque	170 @ 1200		168 @ 1100 (170 @ 1200 **)					168 @ 1800	
Nominal max. net horsepower	76 @ 3100		71 @ 3000 (76 @ 3100 **)					72 @ 2900	
Nominal max. net torque	155 @ 1000		158 @ 1000 (161 @ 1000 **)					160.5 @ 1800	
Horsepower and torque curves	Page 42		Page 43 (** Page 43-A)					Page 44	
Engine RPM/mi. per hour *	51.1	46.3	51.1	55.0	49.6	56.5	58.2	56.5	58.2
Engine revs./mi. in high *	3067	2780	3067	3298	2979	3393	3490	3393	3490
Piston travel in high (ft./mi.) *	1917	1738	1917	2061	1862	2121	2181	2121	2181
Weight (dry)	Engine complete		551#	556#	563#		576#		
	Power plant complete %		601#	606#	615#	656#		668#	

\* - With regular equipment. D.W. = 6.00-20, 6 ply tires. % - Complete power plant weight includes engine, clutch, and transmission. \*\* - Conventional truck engine less manifold restriction.

11-10-39. 12-12-39 - Data added.



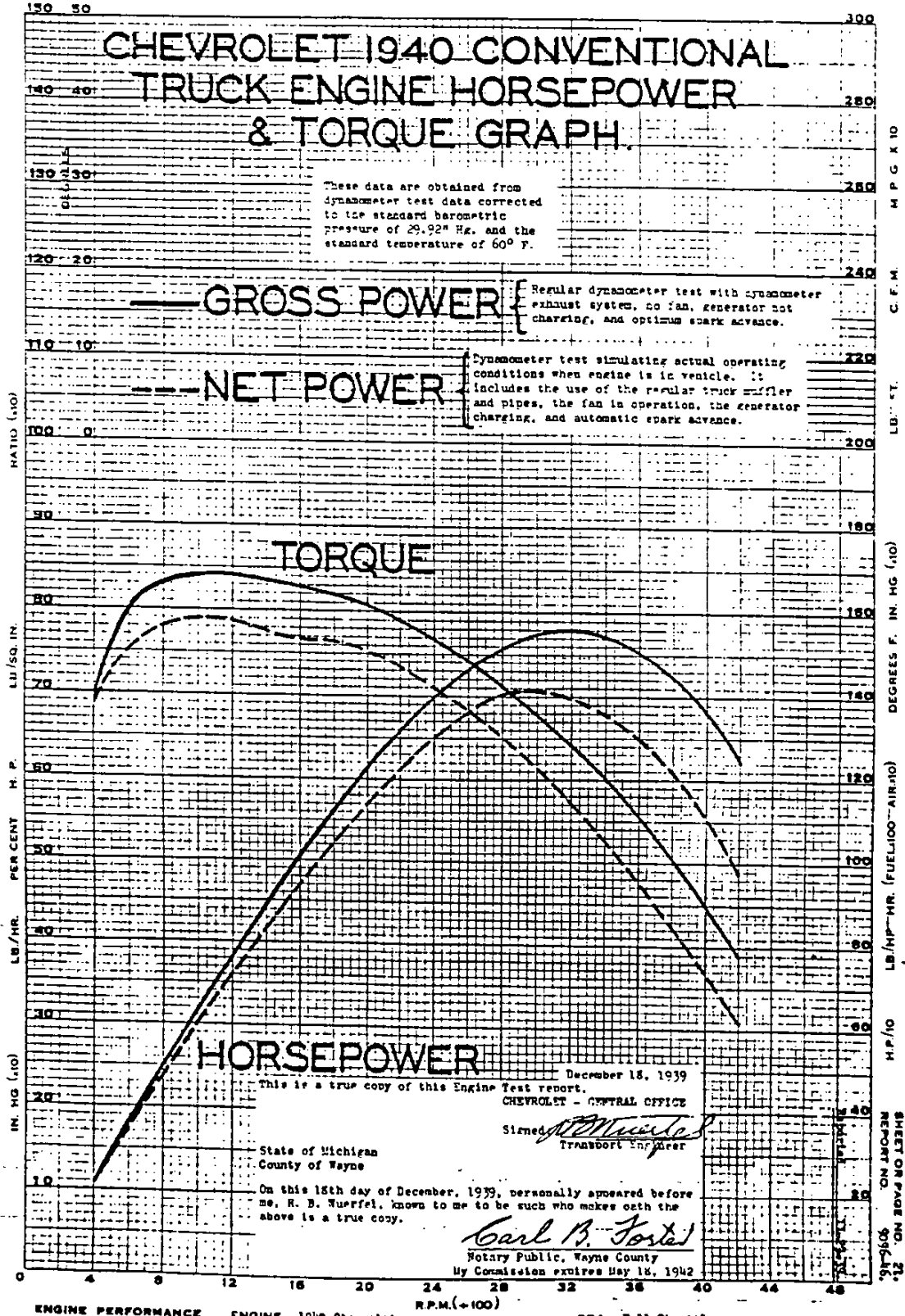
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# CHEVROLET 1940 CONVENTIONAL TRUCK ENGINE HORSEPOWER & TORQUE GRAPH

These data are obtained from dynamometer test data corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60° F.



**GROSS POWER** { Regular dynamometer test with dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

**NET POWER** { Dynamometer test simulating actual operating conditions when engine is in vehicle. It includes the use of the regular truck muffler and pipes, the fan in operation, the generator charging, and automatic spark advance.

**TORQUE**

**HORSEPOWER**

This is a true copy of this Engine Test report. December 18, 1939  
CHEVROLET - CENTRAL OFFICE

Signed *[Signature]*  
TRANSPORT ENGINEER

State of Michigan  
County of Wayne

On this 18th day of December, 1939, personally appeared before me, R. B. Fuerfel, known to me to be such who makes oath the above is a true copy.

*Carl B. Foster*  
Notary Public, Wayne County  
My Commission expires May 18, 1942

ENGINE PERFORMANCE ENGINE 1940 Chevrolet  
400. & SERIAL NO. Conventional Truck

OBJ. Full throttle  
TEST DATE 10-12-39 & 10-18-39

M.P.G. 10  
C.F.M.  
L.B./H.P.  
DEGREES F. IN. HG. (10)  
L.B./H.P.-HR. (FUELLING-AIR/10)  
H.P./10  
SHEET OR PAGE NO. 21  
REPORT NO. 906-16



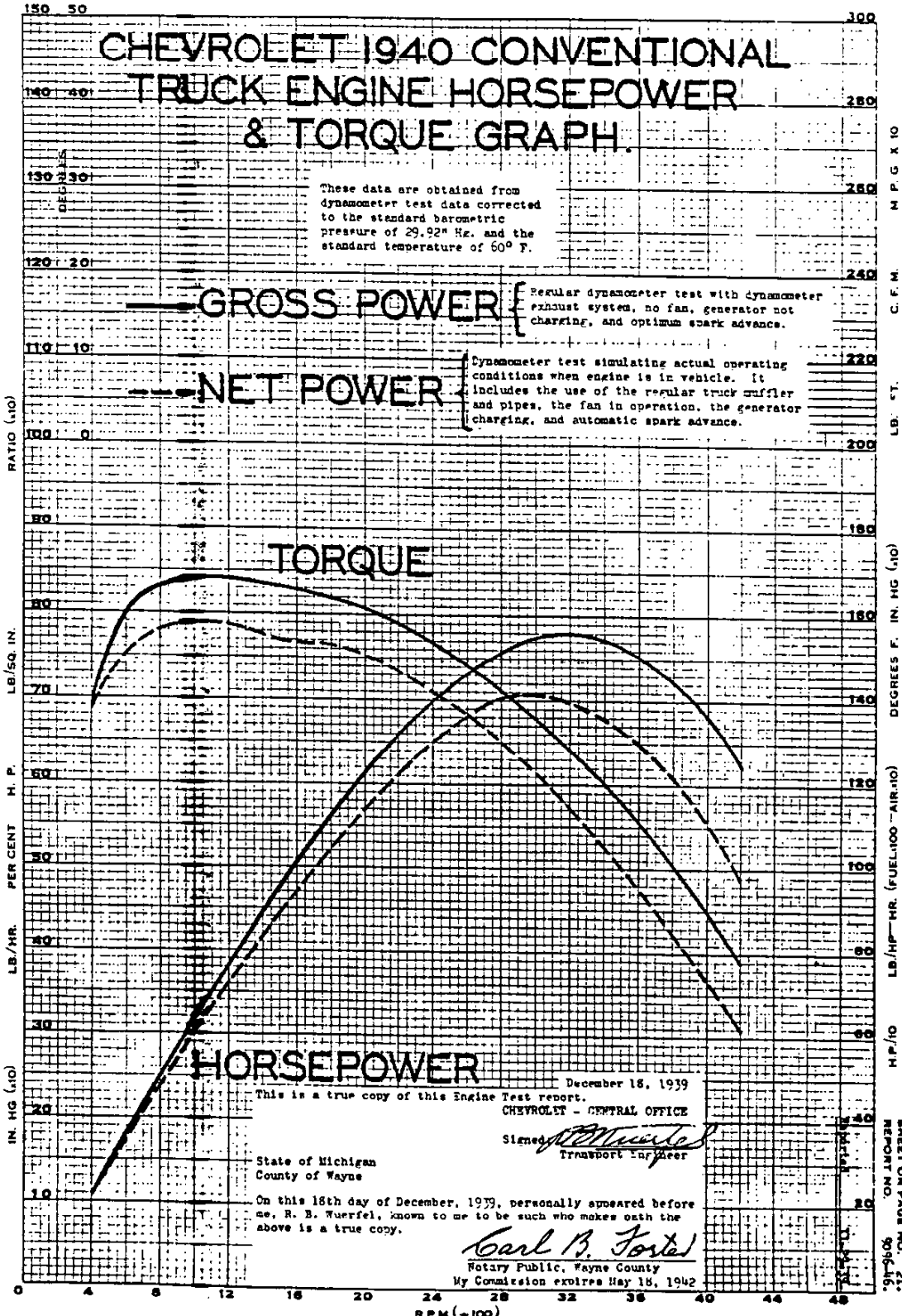
1

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# CHEVROLET 1940 CONVENTIONAL TRUCK ENGINE HORSEPOWER & TORQUE GRAPH.

These data are obtained from dynamometer test data corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60° F.



December 18, 1939  
This is a true copy of this Engine Test report.

CHEVROLET - CENTRAL OFFICE

Signed: *[Signature]*  
Transport Engineer

State of Michigan  
County of Wayne

On this 18th day of December, 1939, personally appeared before me, R. B. Fuerfel, known to me to be such who makes oath the above is a true copy.

*Carl B. Foster*  
Notary Public, Wayne County  
My Commission expires May 18, 1942

ENGINE PERFORMANCE ENGINE 1940 Chevrolet MOD. & SERIAL NO. Conventional Truck OBJ. Full Throttle TEST DATE 10-12-39 & 10-15-39

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# CHEVROLET 1940 CONVENTIONAL TRUCK ENGINE HORSEPOWER & TORQUE GRAPH

(WITH TRUCK RISER SLEEVE RESTRICTOR REMOVED)

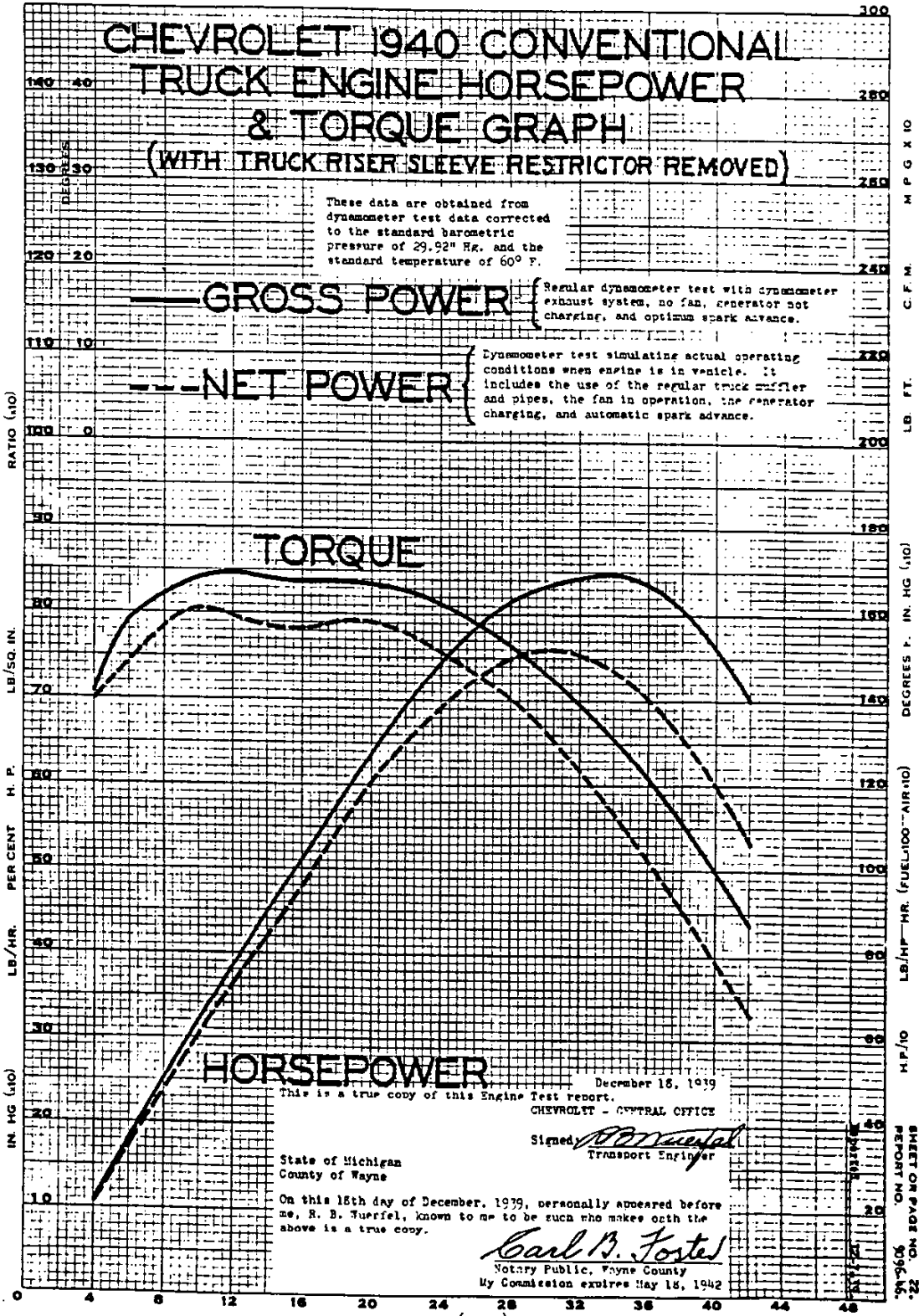
These data are obtained from dynamometer test data corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60° F.

**— GROSS POWER**

Regular dynamometer test with dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

**- - - NET POWER**

Dynamometer test simulating actual operating conditions when engine is in vehicle. It includes the use of the regular truck muffler and pipes, the fan in operation, the generator charging, and automatic spark advance.



This is a true copy of this Engine Test report.  
 December 18, 1939  
 CHEVROLET - CENTRAL OFFICE

Signed *R. B. Juerfel*  
 Transport Engineer

State of Michigan  
 County of Wayne

On this 18th day of December, 1939, personally appeared before me, R. B. Juerfel, known to me to be such who makes oath the above is a true copy.

*Carl B. Foster*  
 Notary Public, Wayne County  
 My Commission expires May 18, 1942

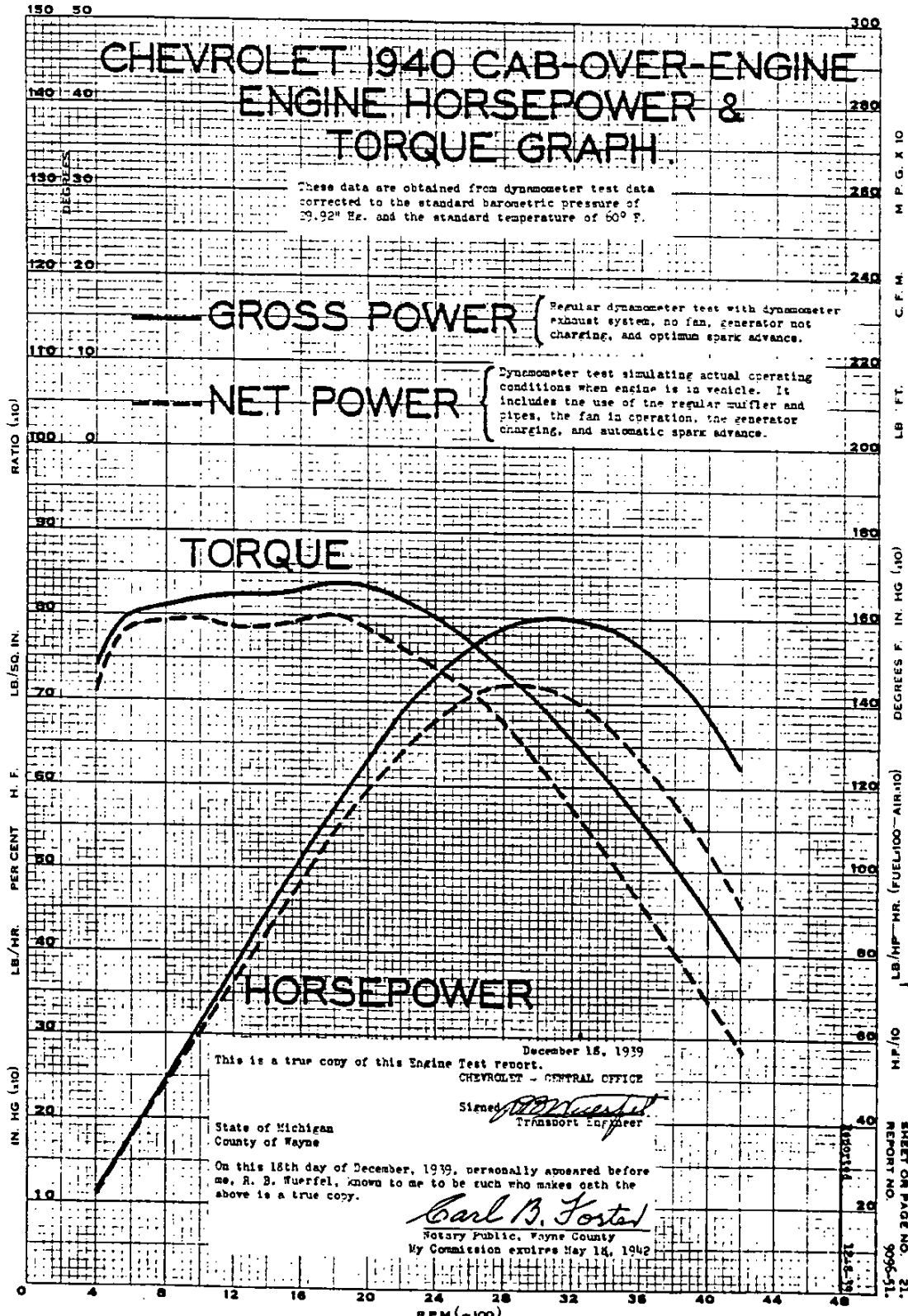
ENGINE PERFORMANCE ENGINE 1940 Chevrolet OBL. Full Throttle  
 MOD. & SERIAL NO. Conventional Truck TEST DATE 11-2-39 & 12-7-39





# CHEVROLET 1940 CAB-OVER-ENGINE ENGINE HORSEPOWER & TORQUE GRAPH

These data are obtained from dynamometer test data corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60° F.



This is a true copy of this Engine Test Report.  
December 18, 1939  
CHEVROLET - CENTRAL OFFICE

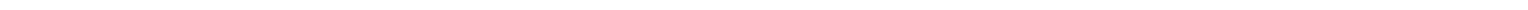
State of Michigan  
County of Wayne  
Signed *R. B. Fuerfel*  
Transport Engineer

On this 18th day of December, 1939, personally appeared before me, R. B. Fuerfel, known to me to be such who makes oath the above is a true copy.

*Carl B. Foster*  
Notary Public, Wayne County  
My Commission expires May 14, 1942

ENGINE PERFORMANCE ENGINE 1940 Chevrolet OBJ. Full Throttle  
MOD. & SERIAL NO. Cab-Over-Engine Truck TEST DATE 11-21-39 & 11-24-39

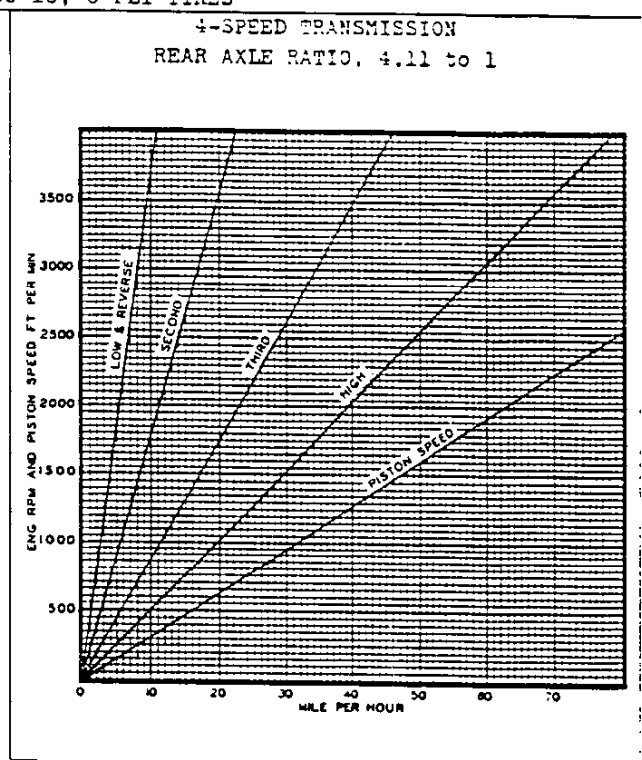
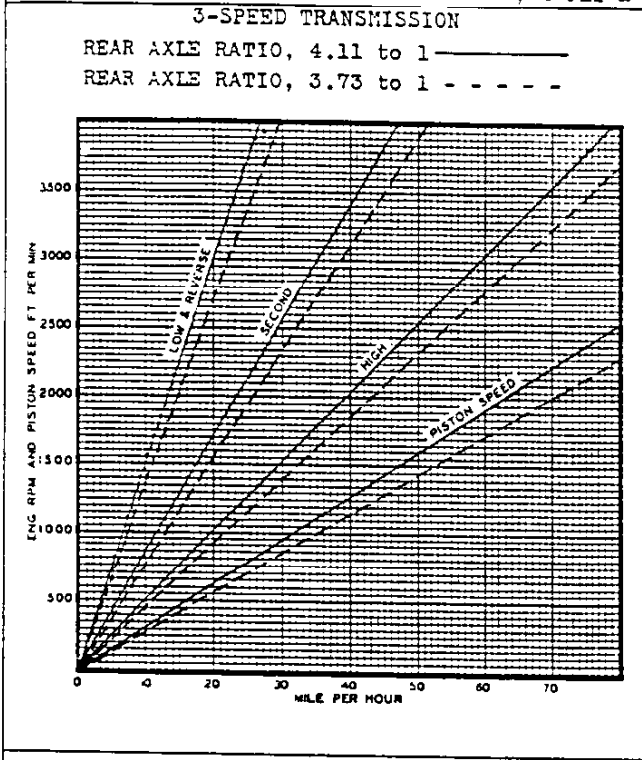
12-18-39



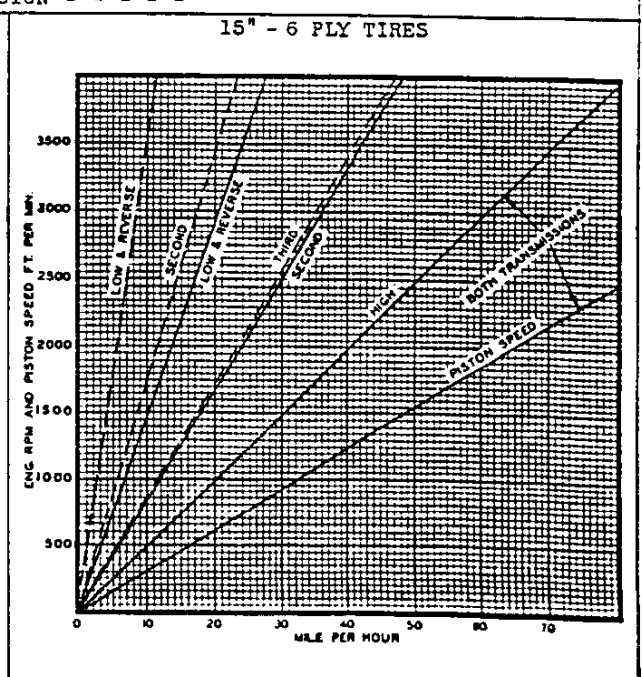
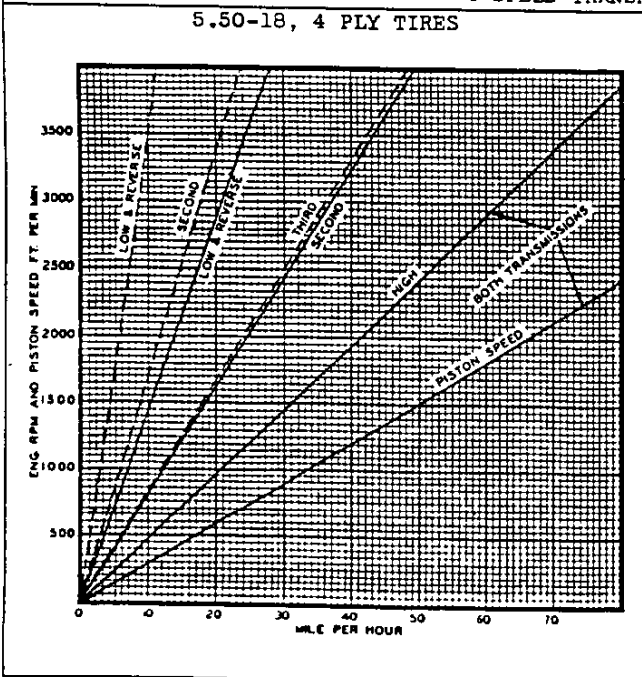
# ENGINE R.P.M. AND PISTON SPEED

PASSENGER & COMMERCIAL CARS  
LIGHT DELIVERY TRUCKS

6.00-16, 4 PLY & 6.00-16, 6 PLY TIRES



REAR AXLE RATIO, 4.11 to 1  
3-SPEED TRANSMISSION ———  
4-SPEED TRANSMISSION - - - - -



CONTINUED

11-10-39



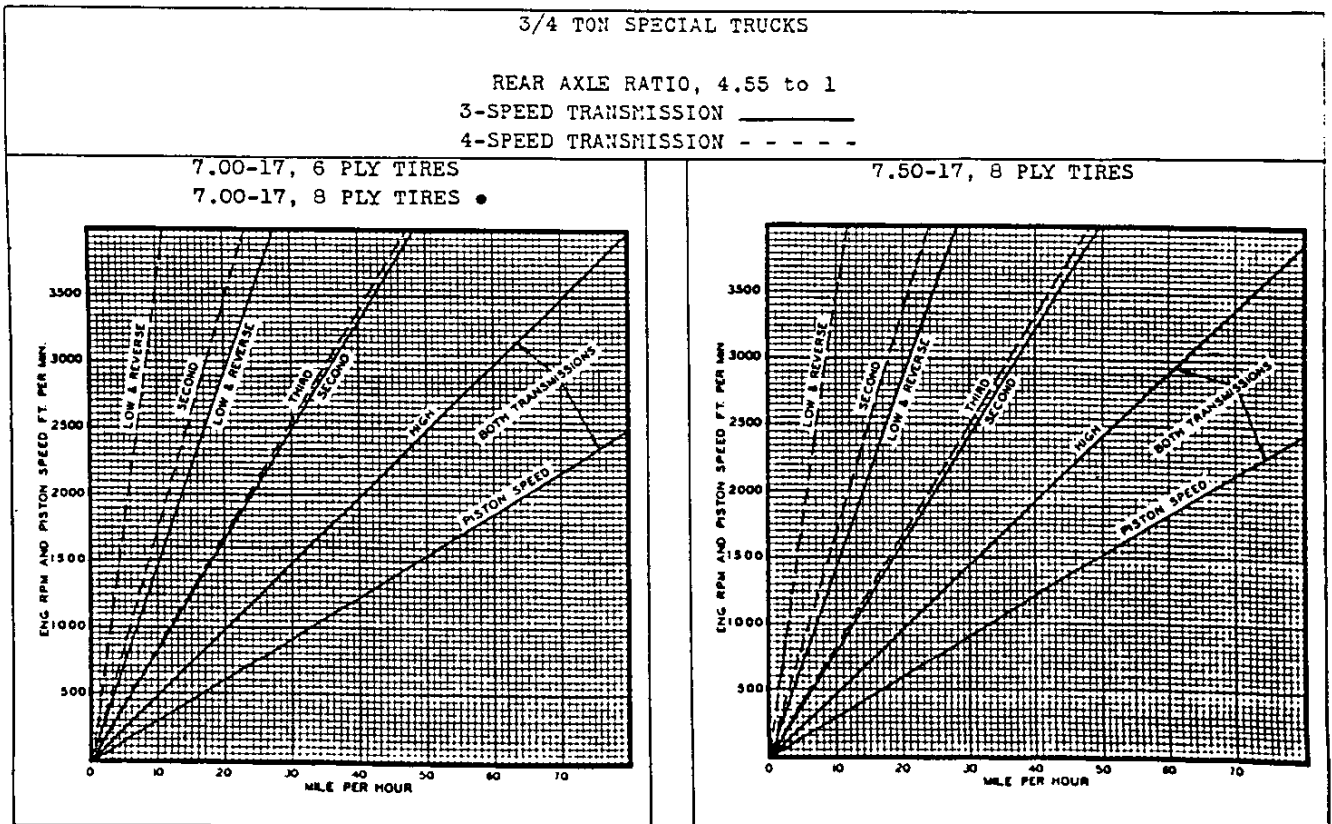
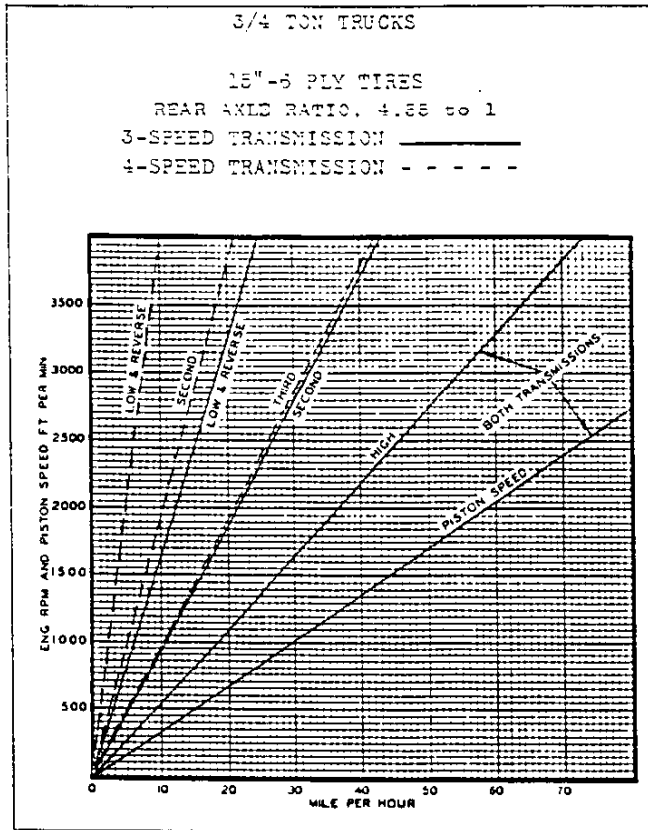
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ENGINE R.P.M. AND PISTON SPEED— Continued



CONTINUED

11-10-39. 12-27-39; • - 7.00-17, 8 ply tires added.



# ENGINE R.P.M. AND PISTON SPEED- Continued

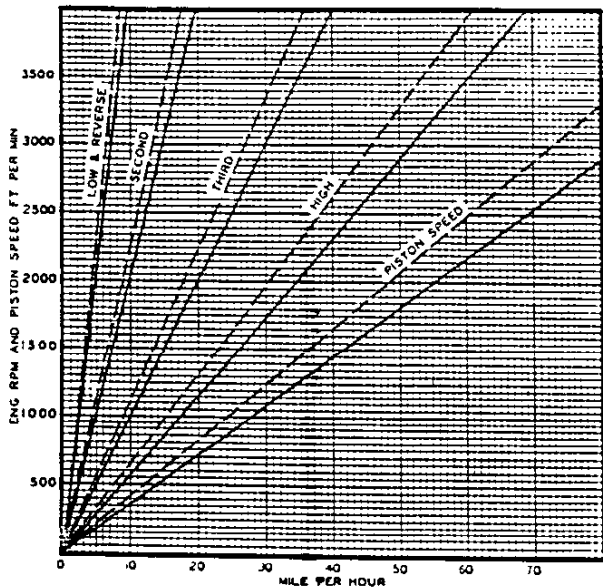
CONVENTIONAL HEAVY DUTY & CAB-OVER-ENGINE TRUCKS  
SCHOOL BUSES

4-SPEED TRANSMISSION WITH CONVENTIONAL REAR AXLE

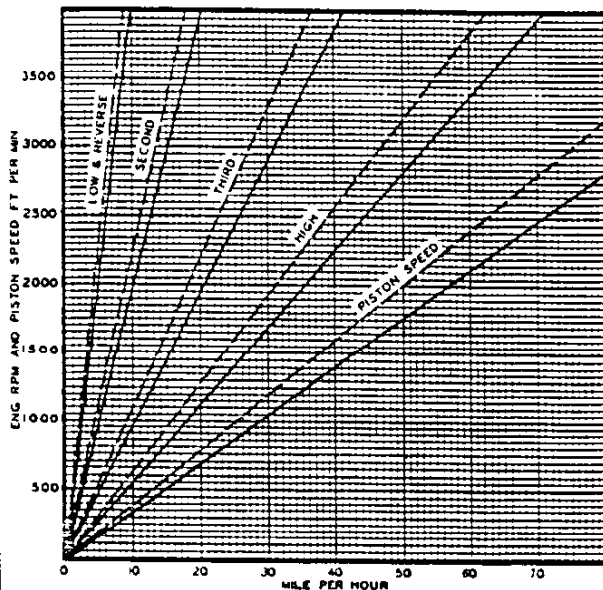
REAR AXLE RATIO, 5.43 to 1 \_\_\_\_\_

REAR AXLE RATIO, 5.17 to 1 - - - - -

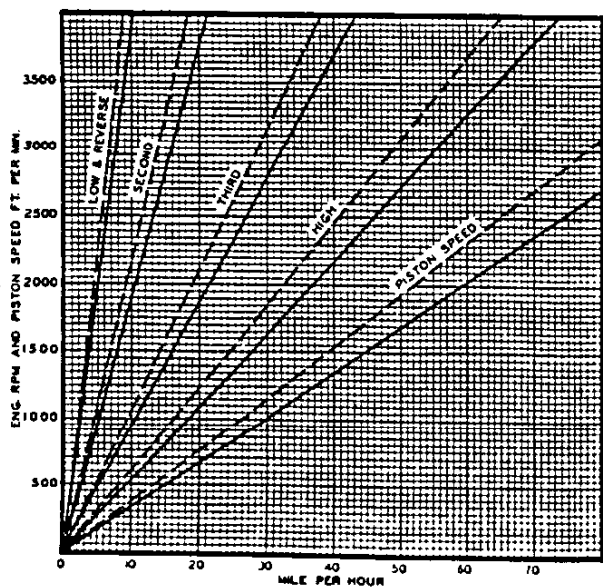
5.00-20, 6 PLY TIRES  
30 x 5, 6 PLY TIRES



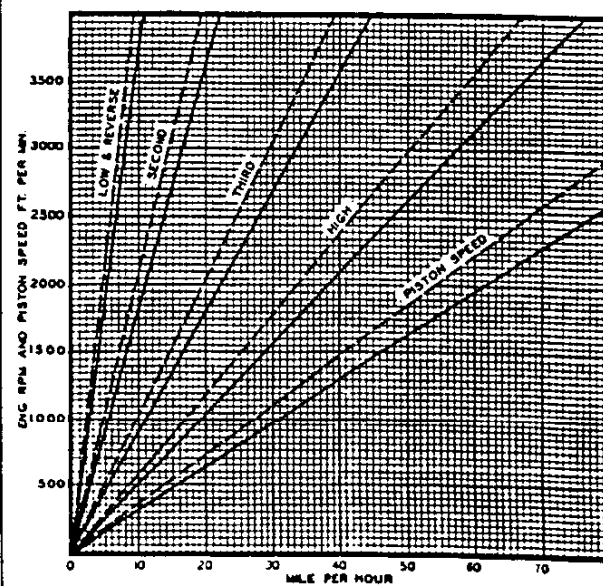
32 x 5, 8 PLY TIRES  
5.50-20, 6 PLY TIRES



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



7.50-20, 8 PLY TIRES



CONTINUED





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

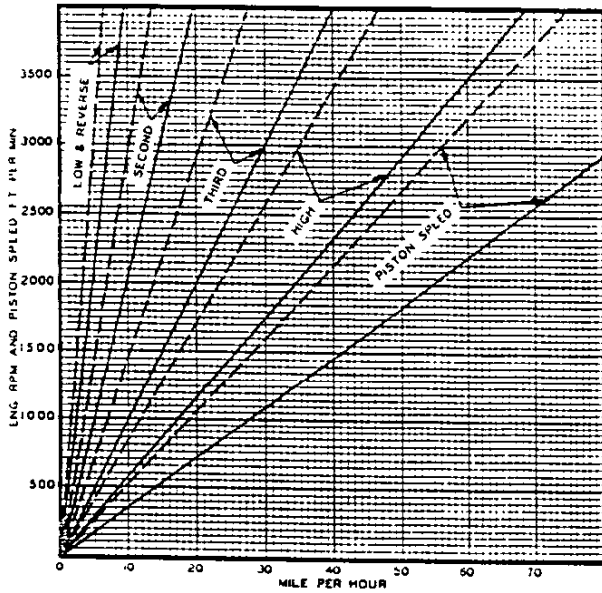
CONVENTIONAL HEAVY DUTY & CAB-OVER-ENGINE TRUCKS

4-SPEED TRANSMISSION WITH RPO 2-SPEED REAR AXLE

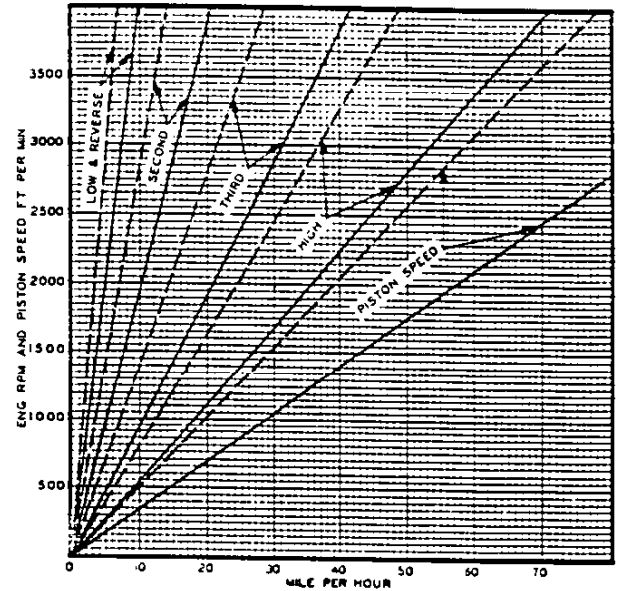
HIGH SPEED GEAR RATIO, 5.64 to 1 \_\_\_\_\_

LOW SPEED GEAR RATIO, 3.22 to 1 - - - - -

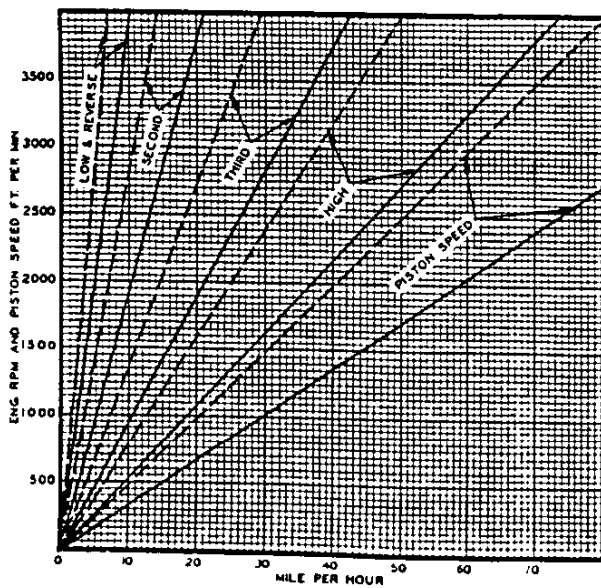
32 x 6, 3 PLY TIRES



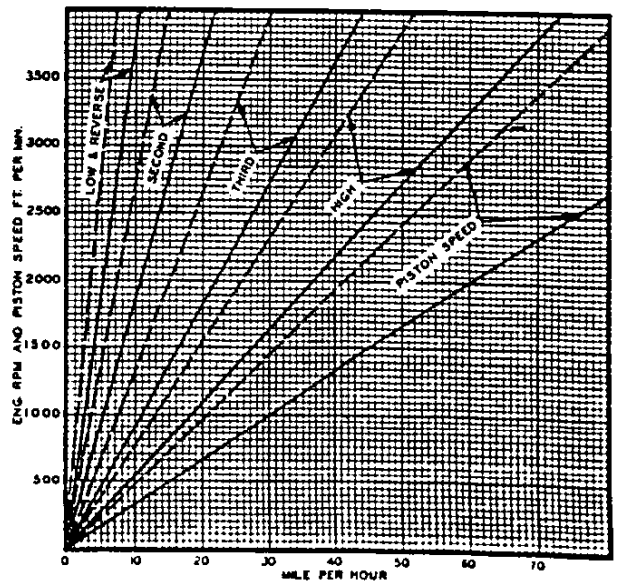
32 x 6, 10 PLY TIRES  
7.00-20, 3 PLY TIRES



7.50-20, 8 PLY TIRES



34 x 7, 10 PLY TIRES



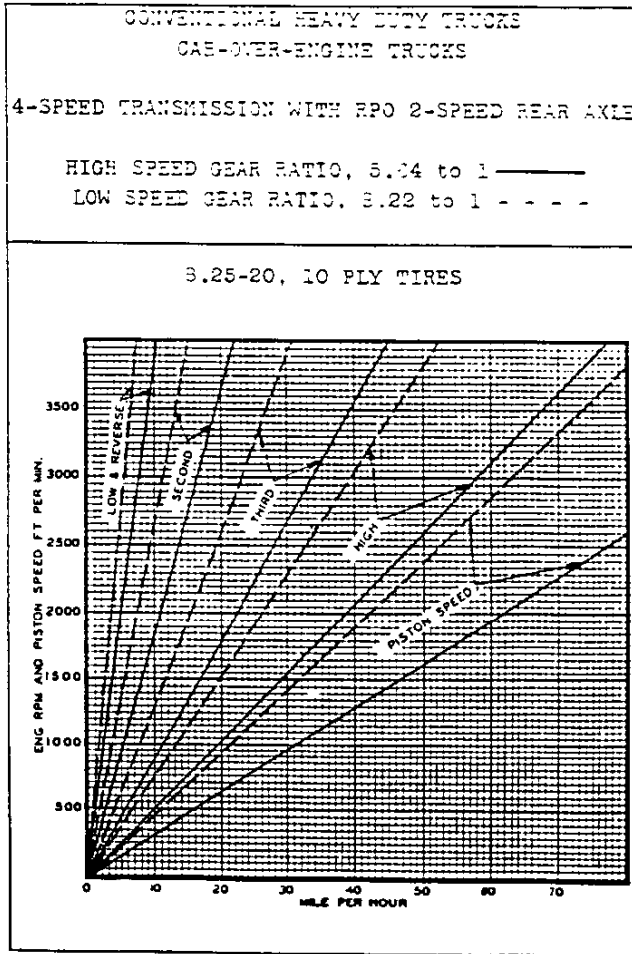


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ENGINE R.P.M. AND PISTON SPEED—Continued



11-10-39

CHEVROLET 1940 SPECIFICATIONS

ENGINE-49

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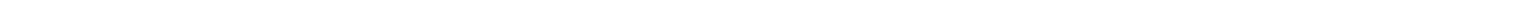
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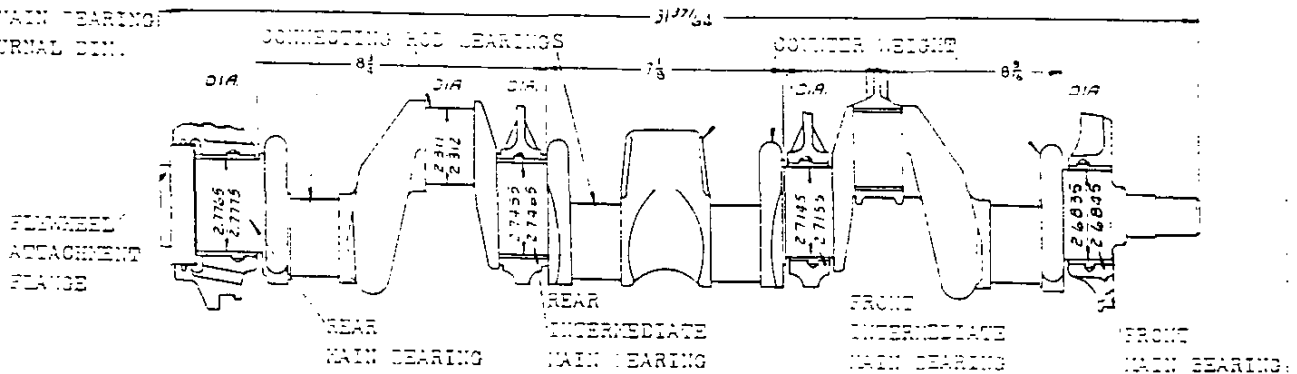
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## CRANKSHAFT

CONNECTING ROD  
 & MAIN BEARING  
 JOURNAL DIA.



### GENERAL DATA

Bearings ..... 4  
 Counterweights ..... 7  
 Material ..... Drop-forged steel  
 Weight ..... 38#  
 Offset ..... None  
 End play ..... .004"-.007"  
 Harmonic balancer type ..... Oscillating  
 Crankshaft pulley dia. .... 6-1/32"  
 Crank pin journal width ..... 1.4985"-1.5015"

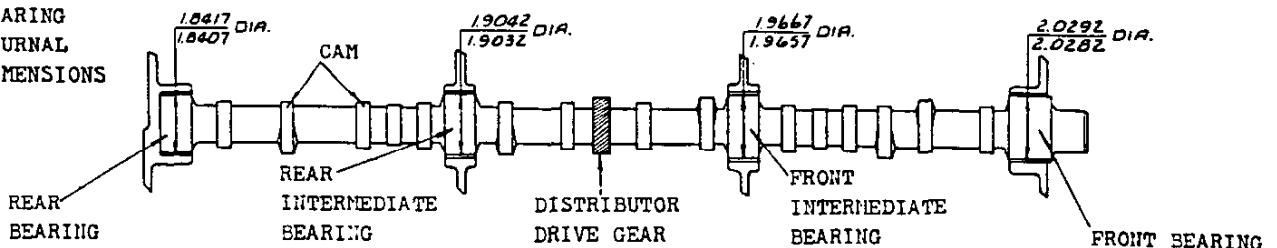
### MAIN BEARINGS

Type ..... Removable  
 Material ..... Steel-backed babbitt  
 Clearance ..... .002"-.004"  
 Thrust taken ..... Rear intermediate bearing  
 Total bearing area:  
     Projected .... 13.41 sq.in.(11.39 sq.in.eff.)  
     Circumfer'1 .. 42.13 sq.in.(37.35 sq.in.eff.)  
 Shim-type ..... Solid  
     -material ..... Alloy aluminum & brass

MAIN BEARING SIZES	FRONT	FRONT INTERMEDIATE	REAR INTERMEDIATE	REAR
Inside diameter	2.6865"-2.6875"	2.7175"-2.7185"	2.7495"-2.7495"	2.7795"-2.7805"
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"	1-29/32"

## CAMSHAFT

CAMSHAFT  
 BEARING  
 JOURNAL  
 DIMENSIONS



### GENERAL DATA

Material ..... Drop-forged steel  
 Drive type ..... Gear  
 Drive gear material .... Bakelite & fabric comp.  
 Crankshaft gear material ..... Steel  
 End play ..... Free - .003" max.  
 Camshaft ramp ..... .011" 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 BEARING SIZES	FRONT	FRONT INTERMEDIATE	REAR INTERMEDIATE	REAR
Material	Steel-backed babbitt			
Inside diameter	2.0307"-2.0317"	1.9682"-1.9692"	1.9057"-1.9067"	1.8432"-1.8442"
Total length	1-1/8"	15/16"	15/16"	15/16"

11-10-39. 12-27-39; Oil thrower groove clearance removed.

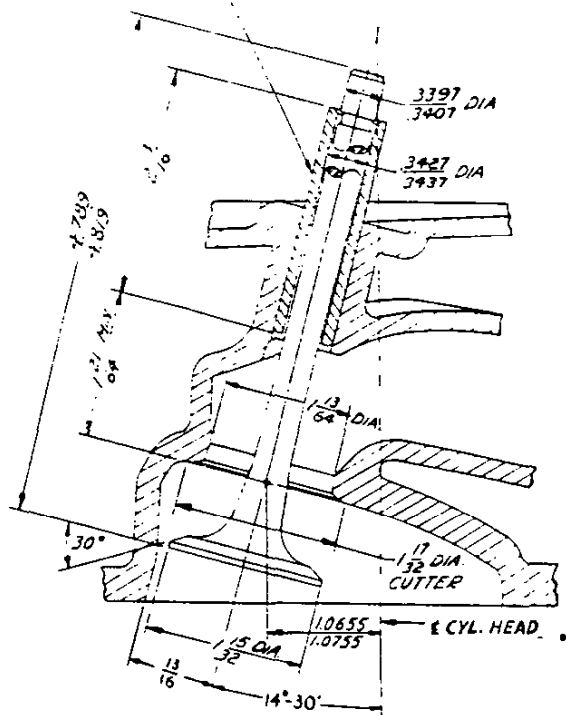




## VALVES

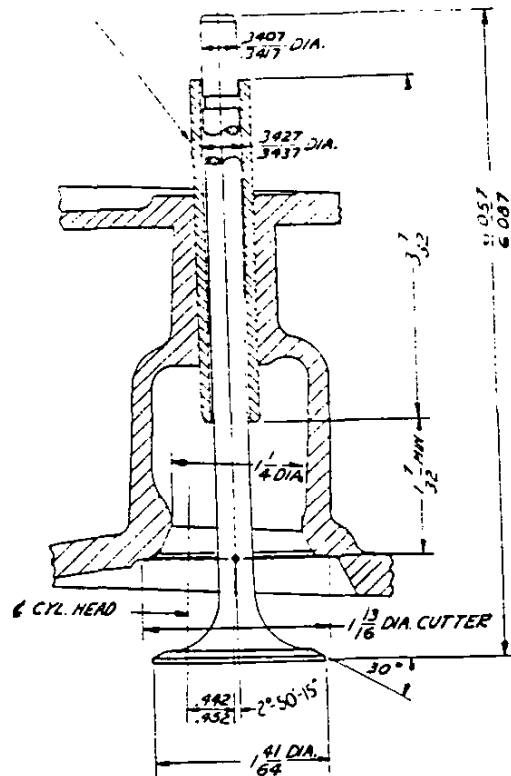
### EXHAUST VALVE

VALVE STEM GUIDES  
REMOVABLE.  
CLEARANCE WITH STEM  
.002-.004



### INLET VALVE

VALVE STEM GUIDES  
REMOVABLE.  
CLEARANCE WITH STEM  
.001-.003



Distance between valve centers measured along centerline of engine = 1-23/32"

#### VALVE DATA

Valve material ..... Extruded steel  
Valve stem end style ..... Grooved for cup and cone  
Valve lift-Exhaust ..... .3118"  
-Inlet ..... .2947"

#### VALVE SPRING LENGTH & PRESSURE

Valve closed ..... 1-13/16" long @ 54#  
Valve open ..... 1-1/2" long @ 125#

#### VALVE SEAT

Material ..... Cast alloy iron (cylinder head)  
Cooling ..... Jets of water under pressure  
Seat width in head-Exhaust ..... .062"-.093"  
-Inlet ..... .035"-.060"

#### CYLINDER HEAD

Type ..... Detachable  
Material ..... Cast alloy iron

#### VALVE ROCKER ARM

Ratio ..... 1.477 to 1  
Bushing-Material ..... Cast bronze  
-Diameter ..... .7925"-.7935"  
-Length ..... 15/16"

#### 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 ..... .2111"  
-Inlet ..... .1991"

11-10-39



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## FUEL SYSTEM

### FUEL PUMP

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

### FUEL MIXTURE

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

### OCTANE SELECTOR

Type and range ..... Manual, 30° Vernier

### FUEL GAUGE

Make ..... AC  
 Type ..... Electric

### AIR CLEANER

Make ..... AC  
 Type .. Combined with silencer & flame arrester for pass. & comm. cars. Combined with flame arrester for Light Delivery, CHD & SE models. Oil bath type for COE.

### CARBURETOR

Make and model ..... Carter W1-420S for all models except COE. Carter EBI-447S 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.

### R.P.O. AIR CLEANERS

R.P.O. AIR CLEANERS		
	PASSENGER & COMMERCIAL CARS	CHD & SE
Make	AC	
Type	Combined with flame arrester	None
	Combined with flame arrester and oil bath	
	With flame arrester, oil bath and silencer	

FUEL TANK	PASS. & COMM. CARS		TRUCKS AND SCHOOL BUSES								
	Chassis, Spt. Sedan, 4-Pass. Coupe, Town Sed., Cabriolet, Station Wagon	Business Coupe, Pickup, Sedan, Delivery	LIGHT DELIVERY	3/4 T & 3/4 TSS	3/4 TSL, CHD, LSE	COE	SSB				
			Chassis, & Cowl, Panel, Canopy, Express, Carryall Suburban	Chassis & Cab, Pickup	Chassis & Cowl, Panel	Chassis & Cab, Stake, Pickup	Chassis & Cowl, Stake, Pickup	Chassis & Cab, Pickup, Panel, Canopy, Express, Cab, Stakes	Chassis, Cowl & Wind-shield, Chassis & Cab, Stakes	Chassis & Cowl	
MOUNTING	Suspended in chassis at rear between side rails.	Clamped to underbody below floor just behind seat.	Clamped to inside right side rail ahead of rear fender.	Clamped to cab floor under seat.	Clamped to inside right side rail ahead of rear fender.	Clamped to cab floor under seat.	3-point mounting to frame at seat position.	Clamped to body floor under seat.	Clamped to outside right side rail to rear of cab.	Clamped to outside right side rail.	
TYPE	Two stamped pans, seam-welded together										
CAPACITY	16 gallons	18 gallons	16 gallons	18 gallons							20 gal.
FILLER LOCATION	Outside on right rear fender.	Outside ahead of right rear fender.	Outside behind right side door.	Outside at cab right rear corner.	Outside behind right panel door.	Outside at cab right rear corner.	At right side of chassis.	Outside behind right side door.	At right side of chassis.	At right side of chassis.	

## EXHAUST SYSTEM

ITEM	PASSENGER AND COMMERCIAL CARS	TRUCKS & SCHOOL BUSES
Muffler type	Diffusion and resonance (5 tube reverse flow)	Baffle
Size	5-1/16" x 7-5/16" (oval) x 18" long (Cabriolet 16" long)	
Muffler mounting	Single point rubber	
Exhaust pipe diameter	1-7/8"	
Tail pipe diameter	1-3/4"	

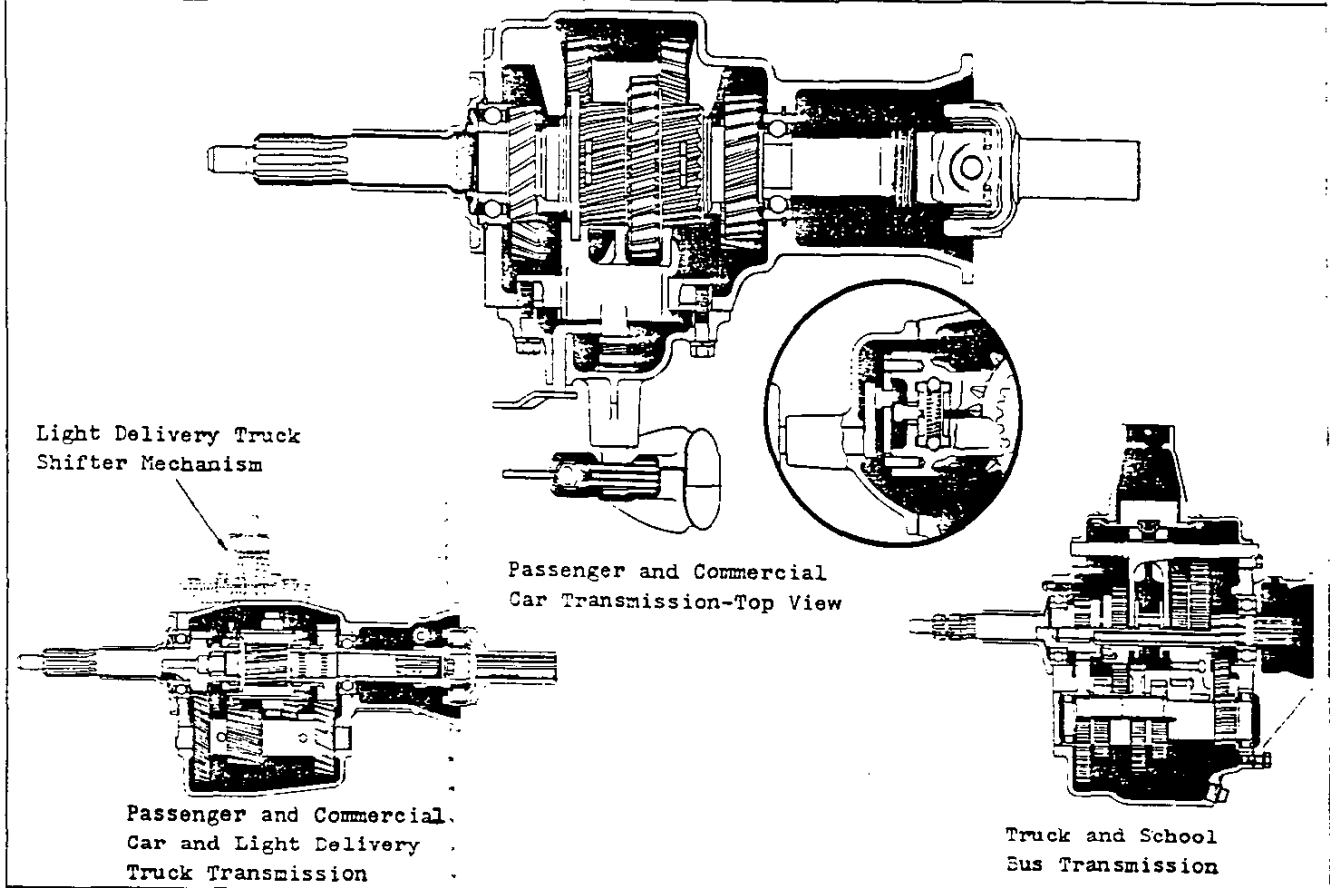
11-10-39. 12-27-39; • - 3/4 TSL added.







## TRANSMISSION



ITEM		PG, CC, LT. DEL., 3/4 T & 3/4 TS	CHD, COE & SB	
Transmission location		In unit with engine		
Type		Selective synchro-mesh	Conventional	
Shift type		Standard H		
Number of speeds		3 forward, 1 reverse	4 forward, 1 reverse	
Gears, type		Helical @	Spur	
Synchronous meshing gears		Second and third	None	
Torque capacity		192 ft.lb.		
Gear ratios		First	2.94	
		Second	1.68	
		Third	Direct	
		Fourth	None	
		Reverse	2.94	
			7.226	
			3.478	
			1.711 -	
			Direct	
			7.148	
Bearings or Bushings	Reverse idler bushing	No. & Mat'l	Two-bronze	
		Size	Two-brass	
	Main shaft bearing make and part no.	Front	.7515"-.7525" I.D. x 11/16"*	.8772"-.8782" I.D. x 1-7/16"*
		Rear	Hyatt #590752	Hyatt #141854
	Counter shaft brg. or bushing	Material	Bronze	Steel
			Size or part no.	Hyatt #142260
		Front	.8772"-.8782" I.D. x 1-3/16"*	Hyatt #121856
			Rear	.8772"-.8782" I.D. x 1-3/16"*
	Clutch gear brg. part no.		N.D. #954141	
	Second speed gear bearing	Main shaft	Material	Chromium steel-hardened
Size			None	
		1.062"-1.063" I.D. x 1-3/4"*		
Power take-off	Type	None		
	Location	6 bolt S.A.E. Standard		
	Speed at 1000 Engine RPM	None		
	Meshing gear	On left side		
		None		
		425		
		None		
		33 teeth		

\* - Effective length. @ - Gears case hardened on 3/4 T & 3/4 TS and RPO on Light Delivery.

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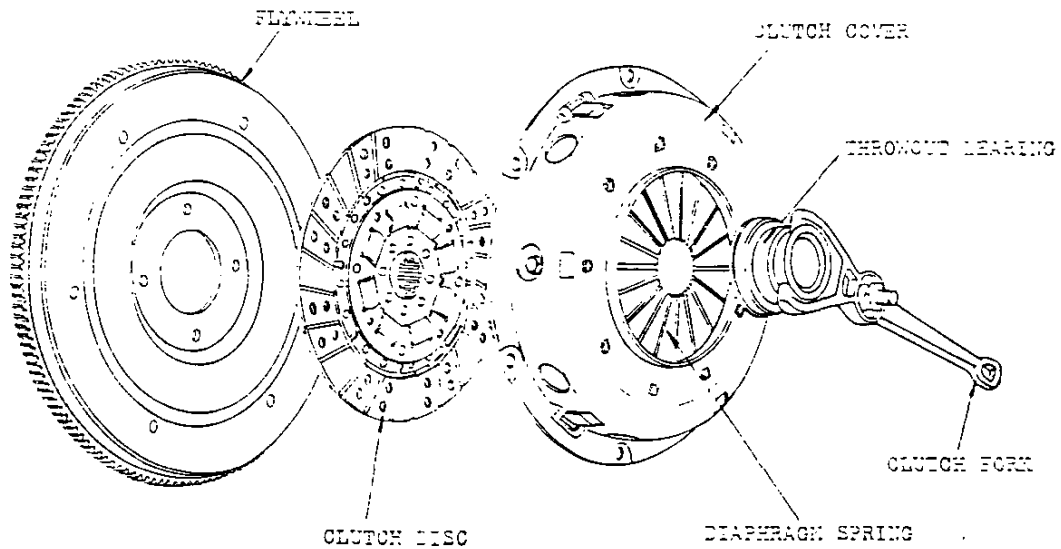


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# CLUTCH



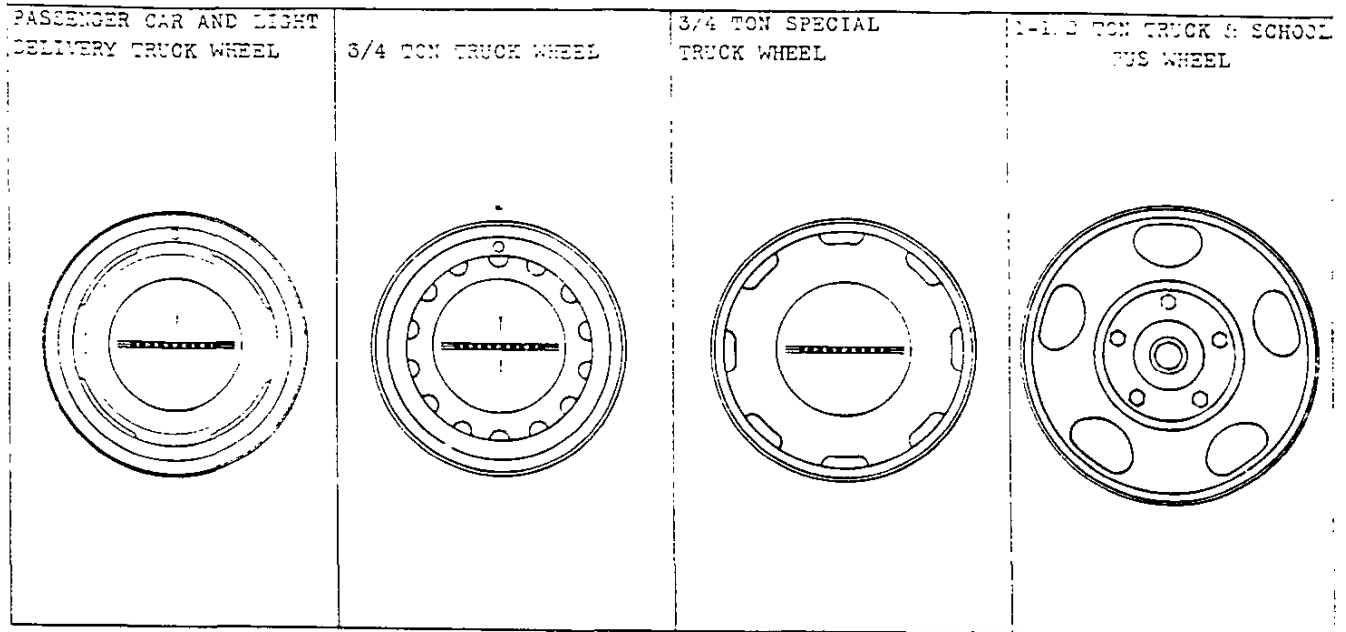
ITEM		PASSENGER AND	TRUCKS & SCHOOL BUSES	
		COMMERCIAL CARS	LIGHT DELIVERY   3/4 T, 3/4 TS, CHD, SB & COE	
Type		Single dry plate		
Rated torque capacity		192 ft.lb.		
Spring	Number and type	Single - Diaphragm		
	Pressure	1100#-1250#		
	Material	Spring steel - Heat treated		
	Pressure levers	18 integral with spring		
Drive		Through radial lugs		
Discs	Driving	Flywheel and pressure plate		
	Driven - number	One		
	Vibration insulation	3 Cushion springs at hub		
	Facing	Material	Woven and formed - Asbestos composition	
		O.D. & I.D.	9-1/8" - 6-1/8"	10-3/4" - 7"
Area		71.86 sq.in.	104.6 sq.in.	
Thickness		.132"-.133"	.137"-.143"	
Bearings	Throwout	Type	Special ball - mounted on sleeve	
		Lubrication	Packed for life	
	Pilot	Type	Hyatt Roller 142655	
		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)	31.5#		
	Ring gear type	Steel-shrunk on		
	Ring gear teeth	139 teeth - 1/2" wide 13.9 Pitch Dia.		
Attachment to flywheel		6 bolts	9 bolts	

11-10-39

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### WHEELS—REGULAR EQUIPMENT



### TIRES AND WHEELS AVAILABLE

MODEL	SIZE	FRONT		REAR			WHEEL RIM SIZE	WHEEL OFFSET	DISC THICK. AT HUB
		LOAD PER TIRE AT MIN. PRES.	LOAD PER TIRE	LOAD PER TIRE	RECOM-MENDED PRESSURE	LOADED RADIUS ROLLED			
SD	6.00-16-4 Ply, Reg.	875#-26#	915#	29#	13.52"	746	15 x 4.00E	9/16"	
MD	6.00-16-6 Ply, RPO	915#-28#	955#	30#	13.53"	745	16 x 4.00E		
95	5.50-18-4 Ply, RPO	820#-28#	940#	30#	14.26"	707	18 x 4.00F		
LIGHT DELIV-ERY	6.00-16-4 Ply, Reg.	915#-28#	990#	32#	13.52"	746	16 x 4.00E	9/16"	
	6.00-16-6 Ply, RPO	955#-30#	1130#	40#	13.53"	745	16 x 4.00E		
	5.50-18-4 Ply, RPO	970#-28#	1050#	32#	14.26"	707	18 x 4.00F		
3/4 TON	15"-6 Ply, RPO	1200#-20#	1200# to 1500#	20# min. to 35#	13.95"	724	15 x 5.50F	0	
	15"-6 Ply, Reg.	1200#-20#	1200# to 1500#	20# min. to 35#	13.95"	724	15 x 5.50F		
3/4 TSS & 3/4 TSL	7.00-17-6 Ply, Reg.	1000#-35#	1550#	45#	15.41"	654	17 x 6 (4.33R)	9/16"	
3/4 TSL	7.50-17-8 Ply, RPO	1000#-35#	1950#	55#	15.80"	638	17 x 6 (4.33R)		
3/4 TSL	7.00-17-8 Ply, RPO	1000#-35#	1725#	55#	15.41"	654	17 x 6 (4.33R)		
HEAVY DUTY (See page for Reg. and RPO tires)	6.00-20-6 Ply	1000#-40#	1400#	45#	15.68"	643	20 x 5 (3.75P)	4-1/8"	5/16"
	30 x 5-6 Ply	1200#-55#	1600#	70#	15.68"	643	20 x 5 (3.75P)		
	6.50-20-6 Ply	1100#-40#	1700#	50#	16.14"	625	20 x 5 (3.75P)		
	32 x 6-8 Ply	1300#-60#	1950#	75#	16.14"	625	20 x 5 (3.75P)		
	7.00-20-8 Ply	1200#-45#	1950#	55#	16.82"	600	20 x 6 (4.33R)	4-1/2"	
	32 x 6-10 Ply	1300#-45#	2200#	80#	16.82"	600	20 x 6 (4.33R)		
	7.50-20-8 Ply	1400#-45#	2200#	55#	17.33"	551	20 x 7 (5.00S)		
34 x 7-10 Ply	Not used	2900#	85#	17.95"	565				
8.25-20-10 Ply	Not used	2650#	60#	18.20"	554		5-1/4"	7/16"	

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.

11-10-39. 12-27-39; 7.00-17-8 ply tire added.

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### TIRE COMBINATIONS—HEAVY DUTY TRUCKS

REAR		FRONT						
		6.00-20-8	6.50-20-8	7.00-20-8	7.50-20-8	30 x 6-8	32 x 6-8	32 x 6-10
S I N G L E	32 x 6-8 ply Regular	Regular	R.P.O.	R.P.O.	R.P.O.	R.P.O.	R.P.O.	R.P.O.
	6.00-20-8 ply R.P.O.	Regular						
	32 x 6-10 ply R.P.O.	Regular	R.P.O.	R.P.O.		R.P.O.	R.P.O.	R.P.O.
	6.50-20-8 ply R.P.O.	Regular	R.P.O.					
	7.00-20-8 ply R.P.O.	Regular	R.P.O.	R.P.O.				
	7.50-20-8 ply R.P.O.	Regular	R.P.O.	R.P.O.	R.P.O.			
	6.00-20-8 ply R.P.O.	Regular						
	6.50-20-8 ply R.P.O.	Regular	R.P.O.					
	7.00-20-8 ply R.P.O.	Regular	R.P.O.	R.P.O.				
	7.50-20-8 ply R.P.O.	Regular	R.P.O.	R.P.O.	R.P.O.			
D U A L	30 x 5-6 ply R.P.O.					R.P.O.		
	32 x 6-8 ply R.P.O.	Regular	R.P.O.			R.P.O.	R.P.O.	
	32 x 6-10 ply R.P.O.	Regular	R.P.O.	R.P.O.		R.P.O.	R.P.O.	R.P.O.

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

DUAL REAR	FRONT				
	6.50-20-8 R.P.O.	7.00-20-8 R.P.O.	7.50-20-8 R.P.O.	32 x 6-8 R.P.O.	32 x 6-10 R.P.O.
7.00-20-8 ply R.P.O.	R.P.O.	R.P.O.			
7.50-20-8 ply R.P.O.	R.P.O.	R.P.O.	R.P.O.		
32 x 6-8 ply R.P.O.	R.P.O.			R.P.O.	
32 x 6-10 ply R.P.O.	R.P.O.	R.P.O.		R.P.O.	R.P.O.
34 x 7-10 ply R.P.O.		R.P.O.	R.P.O.	R.P.O.	R.P.O.
8.25-20-10 ply R.P.O.		R.P.O.	R.P.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 14.

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## BATTERY AND LIGHTS

ITEM		PASS. & COMM. CARS		TRUCKS & SCHOOL BUSES				
		SD-MD-85	LT.DEL.	3/4T	3/4TS	CHD	COE	LSB
Battery	Make and model	Delco 15X1						Delco 19Q1G*
	Length	9"						10-3/8"
	Width	7"						7"
	Height	8-9/16"						
	Volts and hr. capacity	6, 100 amp.						6, 125 amp.
	Charging rate	7 amps.						
	Cell arrangement	Three, side to side						
	No. of plates per cell	15						19
	Terminal grounded	Negative						
Location	Under hood			Frame, right side				
Head-lamps	Type and location	Sealed beam. Mounted on top of fenders						
	Sealed beam unit dia.	7.032" max. (Lens diameter, 8-11/16")						
	Bulb	Type	Two filament					
		Watts	45 upper beam - 35 lower beam					
	Dimmed by	Depressed beam operated by foot switch						
	Beam indicator	Size & c.p.	#51, 1					
Parking lamps	Location ▲	On fenders				**	On fenders	
	Bulb size and c.p.	#53, 3						
Tail and stop lamp	Number used	Two on all body types except Stw and Sedan Delivery which have one	One					
	Type	One bulb per lamp	Two bulbs per lamp					
	Bulb size and candle power	Tail lamp	All models except Stw. & Sdl. #1154, 3	#63, 3 (also on Stw. and Sdl.)				
		Stop lamp	All models except Stw. & Sdl. #1154, 21	#63, 3 (also on Stw.) (#87, 15 on Sdl.)				
	Stop lamp operation	Hydraulic switch on brake main cylinder						
License lamp bulb size and c.p.	#63, 3		See tail lamp					
Instrument cluster	Number of bulbs	Two						
	Size and candle power	#55, 1-1/2	#55, 1-1/2 except flat face cowl. Flat face cowl #51, 1			#51, 1		
Ignition lock lamp	Bulb size	#51		#55				
	Candle power	1		1-1/2				
Glove comp. bulb size and c.p.	#55, 1-1/2-SD, 85 Stw		None					
Clock bulb size and c.p.	New Haven #51, 1 Westlock #55, 1-1/2 All SD & 85 Stw.		None					
Dome lamp	Used in	All except Stw.	Carryall and Panels			None		
	Bulb size	#81	#87-Carryall; #81-Panels					
	Candle power	6	15-Carryall; 6-Panels					
	Switch location	At right hand door pillar on all Spec. Deluxe except Cpes. On lamp on all Mas. Deluxe, Mas. 85 and Coupes.	To rear of left hand door pillar					
Fuse	Type and amps.	SFE 30						
	Location	On light switch						
Horn	Make and type	Delco-Remy, vibrator						
	Number used	Two		One				
	Ampere draw	12 per horn		10				
	Location	Behind rad. grille	Left side of engine on intake manifold					

\* - The regular battery on the SSB is RPO equipment on the LSB.

\*\* - Parking lamps for COE models are on top of the headlamps.

11-10-39. 4-1-40; ▲ - Corrected for COE and LSB.

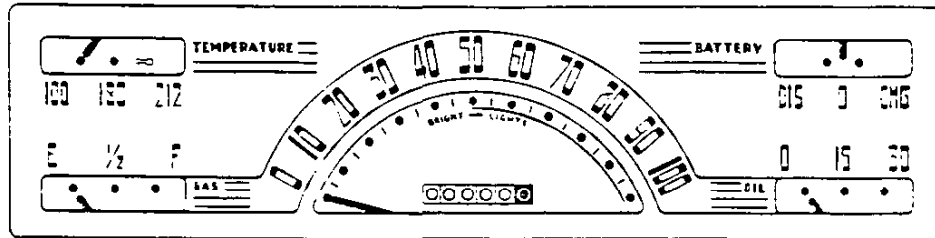


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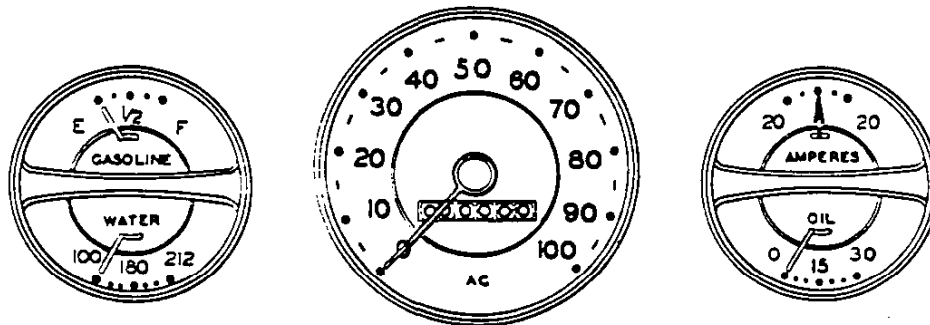
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## INSTRUMENTS

MAKE: AC. TYPE: Fuel gauge and battery charge indicator are the electric type; heat indicator and oil gauge are the pressure type. The speedometer is driven by a flexible shaft.  
PASSENGER & COMMERCIAL CARS, & TRUCKS (Except FLAT FACE COWL CHASSIS)



TRUCKS - FLAT FACE COWL CHASSIS  
SCHOOL BUSES



## TOOLS

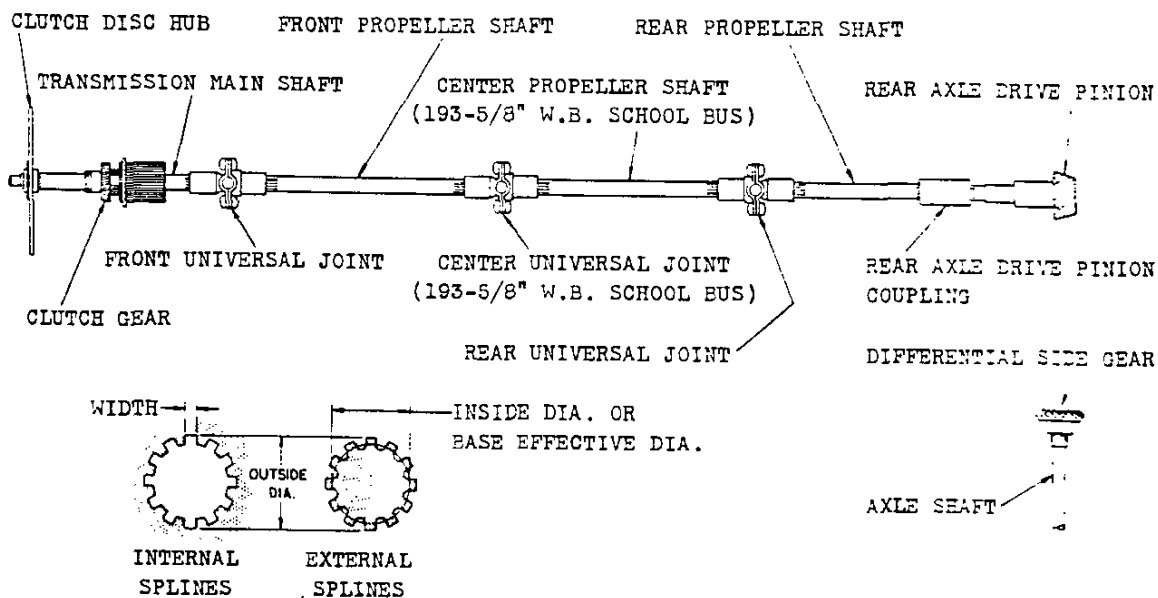
ITEM	PASSENGER AND COMMERCIAL CARS	TRUCKS & SCHOOL BUSES			
		LT. DEL.	3/4 TON	3/4 TS	CHD, COE, SB
Jack	Type or capacity	Bumper - 1500#	2500#	3000#	5500#
	Raised height	Adjustable	14-1/16"	15-1/8"	16"
	Lowered height	Adjustable	8-1/16"	6-1/2"	7"
Tire iron	None			Yes	
Starting crank	None		Yes		
Wrenches	Spare tire lock	None	Yes*	None	
	9" adjustable				
	Open end				
	Spark plug				
Wheel					Yes
6" rd. shank screw driver					
Jack handle					
combination pliers					
10 oz. ball peen hammer					

\* - On Canopy Express only.

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## SPLINES



UNIT		INTERNAL	EXTERNAL	INTERNAL	EXTERNAL
Clutch disc hub and transmission clutch gear shaft	USED IN	PC, CC & LCT		CHD, SB & COE	
	Width	.174 - .176	.1705 - .1725	.174 - .176	.1705 - .1735
	Inside dia.	.920 - .925	.918 max.	.920 - .925	.918 max.
	Outside dia.	1.134 - 1.144	1.110 - 1.121	1.134 - 1.144	1.110 - 1.121
	No. splines	10		10	
Transmission mainshaft and front U joint front yoke	USED IN	PC, CC & LCT		CHD, SE, MCCE & LCCE	
	Width	.1473 - .1483	.1458 - .1473	.214 - .215	.2120 - .2135
	Inside dia.	.890 - .891	.853 - .863	1.184 - 1.186	1.177 max.
	Outside dia.	1.003 - 1.017	.973 - .980	1.380 - 1.388	1.355 - 1.365
	No. splines	10		10	
Transmission mainshaft and front U joint front yoke	USED IN	107-5/8" W.B. COE			
	Width	.2120 - .2135	.2120 - .2135		
	Inside dia.	1.182 - 1.187	1.177 max.		
	Outside dia.	1.374 - 1.377	1.355 - 1.365		
	No. splines	10			
Front propeller shaft front end and front U joint rear yoke	USED IN	PC, CC & 1/2T		3/4T, 3/4TS, CHD, SB & COE	
	Width	.0951 - .0961	.0921 - .0941	.1990 - .2015	.195 - .198
	Inside dia.	.993 - .997	.962 - .970	1.1145 - 1.1195	1.0515 - 1.0605
	Outside dia.	1.0835 - 1.0935	1.0642 - 1.0657	1.306 - 1.321	1.274 - 1.284
	No. splines	17		10	
Front propeller shaft front end and front U joint rear yoke	USED IN	107-5/8" W.B. COE			
	Width	.1455 - .1470	.1430 - .1445		
	Inside dia.	1.295 - 1.300	1.281 - 1.288		
	Outside dia.	1.499 - 1.500	1.497 - 1.498		
	No. splines	16			
Front propeller shaft rear end and rear U joint front yoke	USED IN	3/4T, 3/4TS, CHD, & COE			
	Width	.214 - .215	.2120 - .2135		
	Inside dia.	1.184 - 1.186	1.177 max.		
	Outside dia.	1.380 - 1.388	1.355 - 1.365		
	No. splines	10			
Front propeller shaft rear end and center U joint front yoke	USED IN	193-5/8" W.B. SCHOOL BUS			
	Width	.214 - .215	.2120 - .2135		
	Inside dia.	1.184 - 1.186	1.177 max.		
	Outside dia.	1.380 - 1.388	1.355 - 1.365		
	No. splines	10			

CONTINUED

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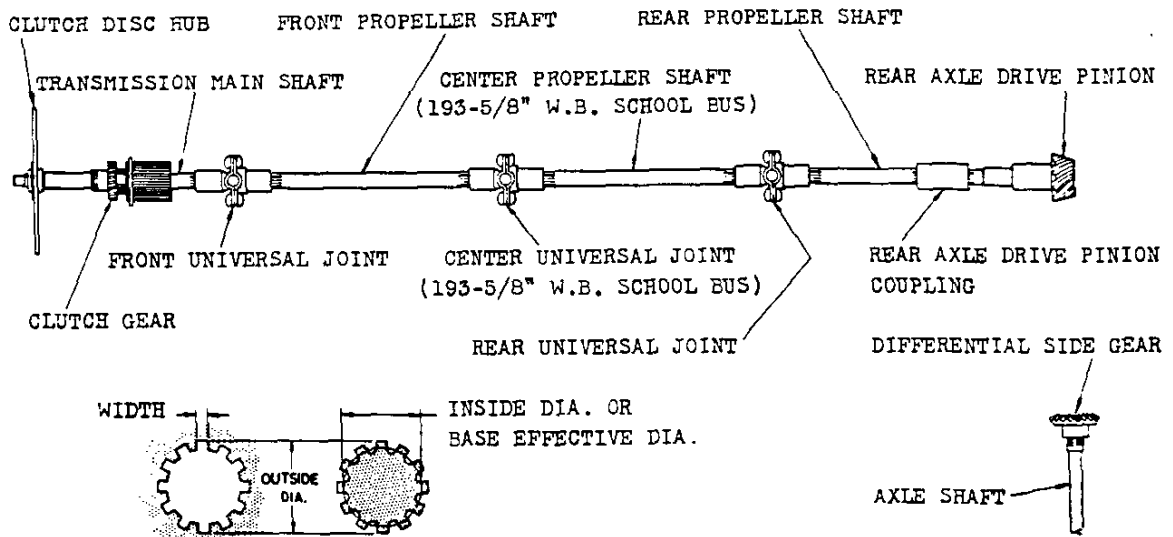


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## SPLINES—Continued



INTERNAL SPLINES		EXTERNAL SPLINES			
UNIT	INTERNAL	EXTERNAL	INTERNAL	EXTERNAL	INTERNAL
Center propeller shaft front end and center U joint front yoke	USED IN	193-5/8" W.B. SCHOOL BUS			
	Width	.214 - .215	.2120 - .2135		
	Inside dia.	1.184 - 1.186	.177 max.		
	Outside dia.	1.380 - 1.388	1.355 - 1.365		
	No. splines	10			
Center propeller shaft rear end and rear U joint rear yoke	USED IN	193-5/8" W.B. SCHOOL BUS			
	Width	.1990 - .2015	.196 - .198		
	Inside dia.	1.1145 - 1.1195	1.0515 - 1.0605		
	Outside dia.	1.306 - 1.321	1.283 - 1.284		
	No. splines	10			
Rear propeller shaft front end and rear U joint rear yoke	USED IN	3/4T & 3/4TS		CHD, SB, MCOE & LCOE	
	Width	.0951 - .0961	.0912 - .0941	.1990 - .2015	.196 - .198
	Inside dia.	.993 - .997	.962 - .970	1.1145 - 1.1195	1.0515 - 1.0605
	Outside dia.	1.0835 - 1.0935	1.0642 - 1.0657	1.306 - 1.321	1.283 - 1.284
	No. splines	17		10	
Propeller shaft rear end coupling and rear axle drive pinion shaft	USED IN	PC, CC & LCT		CHD, SB, MCOE & LCOE	
	Width	.0951 - .0961	.0931 - .0951	.1995 - .2005	.201 - .2035
	Inside dia.	.993 - .997	.965 - .973	1.1115 - 1.1195	1.0535 - 1.0625
	Outside dia.	1.0835 - 1.0935	1.064 - 1.066	1.306 - 1.321	1.281 - 1.282
	No. splines	17		10	
Propeller shaft rear end coupling and rear axle drive pinion shaft	USED IN	107-5/8" W.B. COE		107-5/8" W.B. COE-2 SPEED AXLE	
	Width	.302 - .303	.300 - .302	.232 - .234	.232 - .234
	Inside dia.	1.694 - 1.702	1.637 - 1.647	1.288 - 1.290	1.238 - 1.243
	Outside dia.	1.9675 - 1.9755	1.941 - 1.942	1.499 - 1.502	1.4975 - 1.4985
	No. splines	10		10	
Differential side gear and axle shaft	USED IN	PASS. & COMM. CARS		CHD, SB & COE	
	Width	.180 - .183	.178 - .180	.259 - .262	.257 - .259
	Inside dia.	1.039 - 1.044	1.004 - 1.014	1.472 - 1.477	1.440 - 1.450
	Outside dia.	1.186 - 1.193	1.1525 - 1.1575	1.6735 - 1.6785	1.6345 - 1.6445
	No. splines	10		10	
Differential side gear and axle shaft	USED IN	1/2T, 3/4T & 3/4TS		CHD & COE - 2 SPEED AXLE	
	Width	.1144 - .1154	.1124 - .1144	.173 - .175	.170 - .172
	Inside dia.	1.194 - 1.198	1.166 - 1.174	1.612 - 1.617	1.562 - 1.572
	Outside dia.	1.3005 - 1.3105	1.2795 - 1.2845	1.774 - 1.784	1.724 - 1.729
	No. splines	17		16	

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## BEARINGS

ITEM		PART #	TYPE	INSIDE DIA.	OUTSIDE DIA.	WIDTH	A	B	C	D	E	F	G
FRONT WHEEL	Inner	N.D. 909002	Cup-Cone	1.1899-1.1904	2.9625-2.9635	1.135 - 1.155	2	2	2	2			
		N.D. 909026	Cup-Cone	1.4060-1.4065	3.1491-3.1501	1.216 - 1.235					2		
	@ Hy. 173241	Bar'l R.	1.5625-1.5630	3.1250-3.1256	1.230						2	2	
	Outer	N.D. 909001	Cup-Cone	.7498 - .7503	2.0794-2.0805	.398 - .715	2	2	2	2			
		@ Hy. 173238	Bar'l R.	.9370 - .9375	2.3437-2.3443	.500						2	2
KING PIN THRUST		Chev.373476	Ball	.868 - .378	1-5/8	3/16	2						
		Chev.352569	Ball	.735 - .745	1-9/16	9/16		2	2	2			
		Chev.365309	Ball	.9225 - .9325	1-23/32	5/8					2		
	@ Chev.121461	Roller	1.135	2.1875	5/8							2	2
STEERING GEAR	Worm	Chev.261866	Taper R.		1.750 - 1.7505	.373 - .377	2	2	2	2	2	2	2
	Roller	Chev.262605	Ball	.4370 - .4375		1.030 - 1.034	1						
		Chev.264340	Roller	21 rollers		.077	.940 - .955	1					
GENERATOR		N.D. 903203	Ball	.6689 - .6693	1.5743-1.5748	.4724	1	1	1	1	1	1	1
WATER PUMP		N.D. 954214	SPECIAL DOUBLE ROW BALL BEARING					1	1	1	1	1	1
CLUTCH	Release	N.D. 909422	SPECIAL SINGLE ROW BALL BEARING AND SLEEVE					1	1	1	1	1	1
	Pilot	Hy. 142655	SPECIAL HYATT ROLLER BEARING					1	1	1	1	1	1
TRANS-MISSION	Clutch Gear	N.D. 954141	Ball	1.3775-1.3780	2.8340-2.8346	.6643 - .6693	1	1	1	1			
		N.D. 903209	Ball	1.7712-1.7717	3.3457-3.3465	.7430 - .7480					1	1	1
	Main Shaft, Ft.	Hy. 590752	Roller	14 rollers	.1873 - .1875	.512 - .527	1	1	1	1			
	Main Shaft, Rr.	N.D. 954168	Ball	.9839 - .9843	2.4403-2.4409	.6643 - .6693	1	1	1	1			
	Counter Shaft, Ft.	N.D. 903307	Ball	1.3775-1.3780	3.1490-3.1496	.8218 - .8268					1	1	1
	Counter Shaft, Ft.	Hy. 142260	Roller	1.4989-1.4994	2.4409-2.4415	.6249 - .6299					1	1	1
	Counter Shaft, Rr.	Hy. 121856	Roller	1.7318-1.7323	2.8346-2.8352	.6643 - .6693					1	1	1
	PROPELLER SHAFT		N.D. 903207	Ball	1.3775-1.3780	2.8340-2.8346	.6643 - .6693				1	1	1
UNIVERSAL JOINT		GMT 080383	Roller	.6812 - .6830	1.1880-1.1883	.922 - .942							3
		Ch. 3652929	Roller	19 rollers	.1038 - .1040	.455 - .475	4	4	4				
		Ch. 3653370	Roller	30 rollers	.0937 - .0940	.494 - .514				4	4	4	
REAR AXLE	Pinion Front	N.D. 905306	D.R.Ball	1.1807-1.1811	2.8340-2.8346	1.1825-1.1875	1	1	1	1			
		N.D. 954237	D.R.Ball	1.9860-1.9865	4.3299-4.3307	1.8710-1.8755					1	1	1
		* Ch. 3651519	Roller	1.6250-1.6255	3.375 - 3.376	1.1875					1	1	
	Pinion Rear	* Ch. 3651518	Roller	1.5000-1.5005	3.375 - 3.376	1.1875							1
		Hy. 125630	Roller	1.8287-1.8291	3.1246-3.1250	.743 - .748	1	1	1	1			
		Hy. 144553	Roller	1.1807-1.1811	2.8340-2.8346	.8218 - .8268					1	1	1
	2-Speed* Pinion *	* Ch. 3651551	Roller	2.0000-2.0005	4.125 - 4.126	1.1875					1	1	1
		Ch. 3651553	Roller	2.0005 max.	4.125 - 4.126	1.4375					1	1	1
	Diff. Bearing	Ch. 3651554	Roller	2.0000-2.0005	4.125 - 4.126	1.4375					1	1	1
		Hy. 127861	Bar'l R.	1.6924-1.6929	2.9523-2.9528	.659 - .679	2	2					
		Hy. 149520	Bar'l R.	1.7807-1.7812	3.1490-3.1496	.712			2	2			
		Hy. 148399	Bar'l R.	2.4400-2.4405	3.9362-3.9370	.8268					2	2	2
	Axle Shaft	* Ch. 3651552	Roller	2.6250-2.6255	4.4375-4.4385	1.1875					2	2	2
Hy. 111103		Roller	1.2949-1.2957	2.4056-2.4062	1.209 - 1.219	2	2						
Hy. 111104		Roller	1.5302-1.5308	2.7812-2.7818	1.334 - 1.344			2					
REAR WHEEL	Inner	Hy. 178298	Roller	1.8772-1.8779	2.7812-2.7818	.992 - 1.000				2			
	Outer	Hy. 144527	Bar'l R.	2.6250-2.6255	2.4680-4.4688	.970 - .975					2	2	2
		Hy. 144525	Bar'l R.	2.2500-2.2505	3.8750-3.8758	.895 - .900					2	2	2
TOTAL NUMBER OF ANTI-FRICTION BEARINGS PER VEHICLE (LESS 2-SPEED AXLE)							26	26	25	26	30	30	33

A = SPECIAL DELUXE & MASTER DELUXE    B = MASTER 85    C = LIGHT DELIVERY    D = 3/4 TON & 3/4 TON SPECIAL  
 E = CONVENTIONAL HEAVY DUTY & SCHOOL BUSES    F = 131-1/8" and 156-5/8" W.B. COE    G = 107-5/8" W.B. COE  
 R = ROLLER    DR = DOUBLE ROW    \* - For RPO 2-SPEED AXLE    @ - Also for RPO SCHOOL BUS front axle with special brakes    / - One additional on 193-5/8" W.B. SCHOOL BUS chassis.

11-10-39



