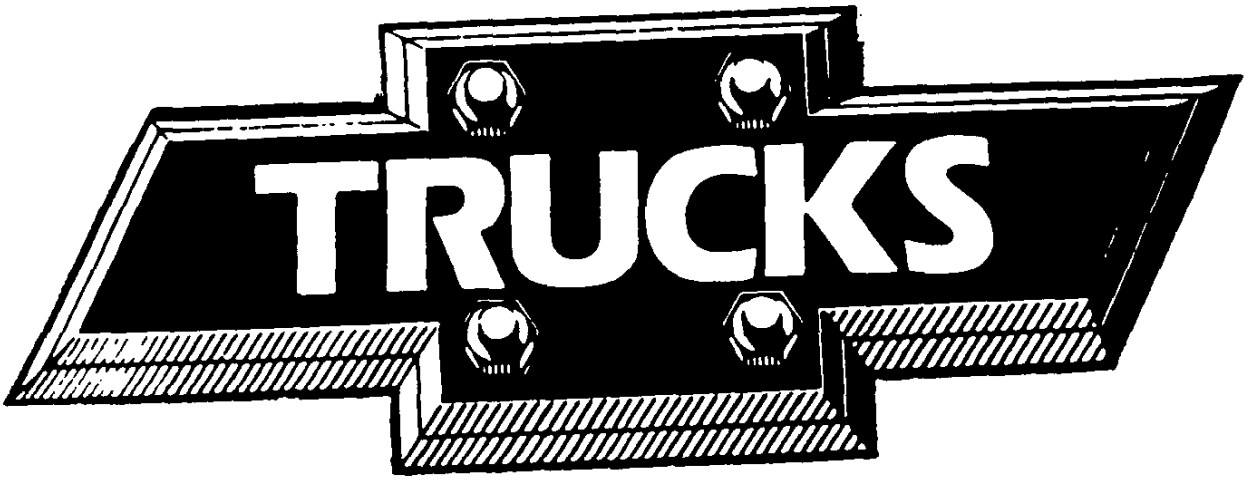
CHEVROLET



1954

CHEVROLET
1954
SPECIFICATIONS

TRUCKS

ISSUED TO

_____

_____

Prepared
by
ENGINEERING DEPARTMENT—TECHNICAL DATA GROUP
CHEVROLET—CENTRAL OFFICE
DIVISION OF GENERAL MOTORS CORPORATION
DETROIT 2, MICHIGAN
Lithographed in U.S.A.

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GENERAL

PASSENGER CAR SPECIFICATIONS

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INTRODUCTION

AUTOMOBILE SPECIFICATIONS...

In the automobile industry, a specification is defined as any item in a detailed description of a mechanism. Usually the description is composed of separate specifications in tabular question and answer form.

Specifications of this nature, however, are not required in the manufacture of an automobile. All the information necessary for this process is given by the Engineering Department to the manufacturing and assembling plants in the forms of drawings and parts lists. But drawings and parts lists usually are not made available to other people who require information of the vehicle, since these records must be interpreted. Moreover, they and other engineering records are much too numerous or voluminous for convenient reference. Therefore, a special interpretation is made by the Engineering Department in the form of a specifications list or book, the contents of which are determined by the nature of questions people ask the Engineering Department concerning the vehicle.

As has been the experience of most manufacturers, originally the questions asked were few in number and were answered individually at the time they were asked. Through the years, however, many questions were asked quite frequently and, for convenience, the answers were recorded in the form of specifications. Others, which arose because of heightened interest and because of advancements in design, were added from time to time. As the automobile grew into a necessary means of transportation --- as its component units were advanced in design and as new ones were added --- and as manufacturers were forced to make more detailed comparisons of their vehicles with those of their competitors to satisfy an increasingly technically minded public --- more and more questions concerning the various characteristics of vehicles were answered in the form of specifications.

THE PURPOSE OF CHEVROLET SPECIFICATIONS...

The Chevrolet Engineering Department has always been willing to answer questions of a technical nature concerning Chevrolet products and for the past thirty years has endeavored to anticipate such questions by preparing a specifications book each new model year.

This current book has been prepared to answer all the questions concerning the Chevrolet 1954 products that we believe may be asked.

It is intended primarily as a convenient and authoritative source of information for all Chevrolet executives, engineers, sales and service representatives, plant managers, and other personnel who must be in a position to answer such questions, and also as a common source of those Chevrolet specifications that are needed in advertisements, vehicle comparisons, trade publications, license applications and in correspondence with governments, firms, educational institutions, and individuals throughout the world who require a wide variety of information about Chevrolet products for diverse purposes.

VEHICLES AND EQUIPMENT SPECIFIED...

The specifications are those of all standard left drive passenger and delivery cars, trucks, and school bus chassis which have been designed to be manufactured for the domestic (U.S.A.) open market. Included also are the specifications of the RPO (Regular Production Option) units which are intended for use with these vehicles. All data are for vehicles with regular equipment, except where noted as RPO.

No information is furnished concerning right drive vehicles or equipment manufactured for export, nor any vehicles or equipment built on COPO's (Central Office Production Orders) or any other special orders. Accessories released through the Parts and Accessories Department, however, are listed although specifications are not included.

As in 1953, this book is in two parts -- one for pass. cars with a supplement for passenger vehicles equipped with automatic transmission and one for trucks.

Except where noted, all information was derived directly from official Chevrolet Engineering Department drawings, parts lists, and test reports, or was calculated from these records.

ABBREVIATIONS...

The data are presented in a condensed tabular form which necessitates the use of abbreviations or symbols in some cases. These are shown on a separate page.

CONTINUED

DIMENSIONS...

The dimensions shown are of three types:

Type #1. Those dimensions where very accurate fits are essential in the parts concerned, such as bearing surfaces and splines, and where dimensions usually are expressed on drawings in decimals with very close limits.

Type #2. Those dimensions where accuracy of fit is of less importance, as in structural members such as frame parts, I-beam axles, or in fuel tanks; also, dimensions for the purpose of identification, such as cylinder bore, or diameter of the wheel cylinder piston, where dimensions are expressed in fractions or integers with fractions and to which fairly large tolerances ($\pm 1/64$, $\pm 1/32$, $\pm 1/16$) are applied.

Type #3. Those dimensions, such as wheelbases, ground clearances, body size dimensions, and turning diameters, which are subject to large manufacturing variations.

In this book, the dimensions of type #1 are quoted with limits exactly as on the drawings while the dimensions of types #2 and #3 are quoted without manufacturing tolerances.

Unless specified otherwise all dimensions are in inches.

LOCATION OR POSITION OF PARTS...

When referring to the location or position of any engine part or vehicle unit, the practice throughout the automotive industry is that such reference is made from the driver seat position. Any views shown or references made, which are contrary to the above rule, are clearly labelled or explained in the text of the specifications.

ORGANIZATION OF BOOK...

Every effort has been made to facilitate the finding of information. The sequence followed in presenting the information is that of the G. M. Uniform Parts Classification major groupings, modified to facilitate usage by the reading majority, who are unacquainted with this classification. The table of contents lists the subjects in the order in which they occur. The subject headings are reprinted at the bottom of each page beside the page number. The index lists the details covered by the subject headings.

To provide for reorganizing or incorporating additional information without disturbing the page number sequence, blocks of numbers are assigned to the ends of the passenger and truck sections.

REVISIONS...

All revisions and the dates on which they are made will be indicated at the bottom of the page on which they occur. Where it is necessary to indicate a change in an individual *specification*, a symbol will be placed in the proximity of the revised specification. This symbol also will be repeated at the bottom of the page with a description of the revision. The following symbols have been established for this purpose: ●, x, ♦, ▼, ✱, -. They may be used singly, in multiples or in combinations.

Subsequent revisions on a revised page will be made in the same manner as described above. However, to emphasize and clarify the later changes, all symbols and descriptions pertaining to previous revisions will be removed and a note added including the previous date of change preceded by the word "Revised".

ADDRESS ALL INQUIRIES TO
Technical Data Department
Room 106, Curtis Building
Detroit 2, Michigan
OR CALL
TRinity 2-4600, Extension 8662

ABBREVIATIONS AND SYMBOLS

AC ------ AC Spark Plug Division
act ---------- acting
adj ---------- adjustment
al ---------- aluminum
amp ---------- ampere
approx ---------- approximately
assy (assys) ---------- assembly
auto. ---------- automatic
aux ---------- auxiliary
avg ---------- average

bar. ---------- barometric
BC ---------- bottom center
brg ---------- bearing
BTC ---------- before top center
bush. ---------- bushing

cap. ---------- capacity
COE ---------- cab-over-engine
col ---------- column
com ---------- commercial
comp ---------- compression
conn ---------- connecting
conv ---------- conventional
COPO ---------- Central
--------- Office Production Order
cp ---------- candle power
cu ---------- copper
cu ft ---------- cubic feet
cu. in. ---------- cubic inches
cyl ---------- cylinder

dbl ---------- double
desig ---------- designation
DLO ---------- daylight opening
dia ---------- diameter
dimen ---------- dimension
displ ---------- displacement
DR ---------- double row
distr ---------- distributor

ea ---------- each
eff ---------- effective
eng ---------- engine
equip ---------- equipment
ext ---------- exterior

F ---------- Fahrenheit
F (weights) ---------- front
fig ---------- figure
fr ---------- front
ft ---------- feet
ft lb ---------- foot pounds
ft/mi ---------- feet per mile

gal ---------- gallon
gen ---------- generator
GM ---------- General Motors
GPM ---------- gallons per minute
gov ---------- governor
GVW ---------- gross vehicle weight

HD ---------- heavy duty
Hg ---------- mercury
HP ---------- horsepower
HR ---------- hot rolled
hr ---------- hour
Hy ---------- Hyatt

ID ---------- inside diameter
i.e. ---------- that is
in. ---------- inches
in^3 ---------- inches cubed
in^4 ---------- inches to fourth power
incl ---------- included
instr ---------- instrument

lb (lbs) ---------- pounds
LH ---------- left hand

matl ---------- material
max ---------- maximum
mbrs ---------- members
mf ---------- microfarads
mi ---------- mile
min ---------- minute & minimum
mod ---------- modulus
MPH ---------- miles per hour

ND ---------- New Departure
neg ---------- negative
No. (no.) ---------- number

OD ---------- outside diameter
oz ---------- ounce

pass. ---------- passenger
pc ---------- piece
PD ---------- pitch diameter
pr ---------- ply rating
press. ---------- pressure

proj ---------- projected
prop. ---------- propeller
PSI ---------- pounds per square inch
pt ---------- pint

qt ---------- quart

R ---------- Roller
R (weights) ---------- rear
rad ---------- radiator
reg ---------- regulator & regular
ret ---------- retaining
rev ---------- revolutions & reverse
rev/mile ---------- revolutions per mile
RH ---------- right hand
RPM ---------- revolutions per minute
RPO ---------- regular production option
rr ---------- rear

SAE ---------- Society
-------- of Automotive Engineers
Sag. ---------- Saginaw
SFE ---------- Society of Fuse Engineers
sq ---------- square
sq. in. ---------- square inches
SR ---------- single row
st ---------- stainless
stl ---------- steel
strg ---------- steering

Tim ---------- Timken
TC ---------- top center
trans ---------- transmission

U.S. ---------- United States Rubber Co.

var ---------- various

w ---------- watt
w/s ---------- windshield
wt ---------- weight

SYMBOLS

---------- pounds, number
+ ---------- plus
— ---------- minus
& ---------- and
x ---------- by, times
: ---------- to (ratio)
- ---------- to (range)
/ ---------- per
% ---------- per cent
℄ ---------- centerline
o ---------- degrees
' ---------- minutes
" ---------- seconds, inches
÷ ---------- divided by
@ ---------- at

CHEVROLET—CENTRAL OFFICE

DIVISION OF GENERAL MOTORS CORPORATION
DETROIT 2, MICHIGAN

TECHNICAL SERVICE BULLETIN

Service and Mechanical Department

SUBJECT: 1954 PASSENGER CAR AND TRUCK - BODY, CHASSIS, ENGINE, TRANSMISSION AND REAR AXLE SERIAL NUMBER IDENTIFICATION

BULLETIN No. TSB #291

SECTION XV

TO: ALL CHEVROLET SERVICE PERSONNEL

December 17, 1953

PASSENGER CAR AND TRUCK SERIAL NUMBERS - 1954

PASSENGER CAR

SERIES	SERIES PREFIX	MODEL	WHEELBASE
*1500	A	"150" Passenger	115"
2100	B	"210" Passenger	115"
2400	C	"Bel Air" Passenger	115"
2934	E	Corvette	102"

* All 1500 Series except 1508 Sedan Delivery.

TRUCK

1508	D	Sedan Delivery	115"
3100	H	1/2 Ton - Comm.	116"
3600	J	3/4 Ton - Comm.	125-1/4"
3700	K	3/4 Ton - Forward Control	125-1/4"
3800	L	1 Ton - Comm.	137"
3900	M	1 Ton - Forward Control	137"
4100	N	1-1/2 Ton	137"
4400	P	1-1/2 Ton	161"
4500	R	1-1/2 Ton - School Bus Chassis	161"
5100	S	2 Ton - C.O.E.	110"
5400	T	2 Ton - C.O.E.	134"
5700	U	2 Ton - C.O.E.	158"
6100	V	2 Ton	137"
6400	W	2 Ton	161"
6500	X	2 Ton	179"
6700	Y	2 Ton - School Bus Chassis	199"
6800	Z	2 Ton - School Bus Chassis	212"
5100S	SS	1-1/2 Ton C.O.E. Special	110"
5400S	ST	1-1/2 Ton C.O.E. Special	134"
5700S	SU	1-1/2 Ton C.O.E. Special	158"
6100S	SV	1-1/2 Ton Special	137"
6400S	SW	1-1/2 Ton Special	161"
6500S	SX	1-1/2 Ton Special	179"

Serial numbers of all Passenger Cars will be continuous starting with 001001 at each assembly plant except the Corvette model. Likewise, the serial numbers of all trucks will be continuous starting with 001001 at each assembly plant.

Assembly Plant Designations:

"A"	Atlanta	"J"	Janesville	"N"	Norwood
"B"	Baltimore	"K"	Kansas City	"O"	Oakland
"F"	Flint	"L"	Los Angeles	"S"	St. Louis
				"T"	Tarrytown

Examples:

Serial # B54F 001025

(B)	(54)	(F)	(001025)
2100 Series Passenger	Year 1954	Flint Assy. Plant	25th Passenger Car built at Flint

Serial # V54K 001083

(V)	(54)	(K)	(001083)
6100 Series Truck	Year 1954	Kansas City Assy. Plant	83rd Truck built at Kansas City

The passenger car serial number plate is now located on the left front body hinge pillar.

The truck serial number is located on the left front body hinge pillar, except on models with cowl type windshield where the serial plate is located on the left hand cowl side inner panel except forward control chassis serial number plates installed by body builder.

PASSENGER CAR BODY STYLE DESIGNATIONS - 1954

BODY STYLE	SERIES			FISHER BODY STYLE #		
	1500	2100	2400	1500	2100	2400
2-Door Sedan	1502	2102	2402	54-1211W	54-1011W	54-1011WD
4-Door Sedan	1503	2103	2403	54-1269W	54-1069W	54-1069WD
Utility Sedan	1512			54-1211WB		
Station Wagon (6 Passenger)	1509	2109		54-1262F	54-1062F	
Station Wagon (8 Passenger)			2419			54-1062D
Club Coupe		2124			54-1011WA	
Convertible			2434			54-1067DTX
Sport Coupe (Hard Top)			2454			54-1037D

SEDAN DELIVERY BODY STYLE DESIGNATIONS - 1954

Sedan Delivery 1508 Series 54-1271 Body Style #.

FISHER BODY PREFIXES

Following are the prefixes to the 1954 Fisher Body numbers which identify the Fisher Plant at which the body was produced. Each style of body is numbered in sequence starting with "1" at each Fisher Plant.

REAR AXLE PREFIX AND NUMBERS

SERIES	GEAR RATIO	MODEL YEAR	SOURCE DESIGNATION GEAR & AXLE	BUFFALO
1500-2100-2400	3.70:1	M	L	M
1500-2100-2400- RPO	Powerglide 3.55:1	M	S	T
1500-2100	COPO 4.11:1	M	E	F
2934	Corvette 3.55:1	M	W	-
3100	3.9:1	M	U	V
3100 RPO	Hydra-Matic 3.9:1	M	A	B
3600	4.57:1	M	G	H
3602-03-08-09-12 RPO	(Duals) 4.57:1	M	D	-
3602-03-08-09-12 RPO	(Duals) 5.14:1	M	C	-
3742 (3600 RPO)	5.14:1	M	Q	R
3800	5.14:1	X	J	-
3802-12 RPO	Prop. Shaft Brake 5.14:1)			
3802-03-08-09-12 RPO	(Duals) 5.14:1)			
3802-12 RPO	(Duals) Prop. Shaft Brake) 5.14:1	X	Q	-
3942	5.14:1	X	C	-
3942 RPO	Prop. Shaft Brake 5.15:1)			
3942 RPO	(Duals) 5.14:1	X	A	-
3942 RPO	(Duals) Prop. Shaft Brake) 5.14:1			
4000	6.17:1	X	L	-
4000 RPO	5.43:1	X	E	-
5000-6000	*Round Housing 6.17:1	X	G	-
5000-6000	*Square Housing 6.17:1	X	K	-
5000-6000 RPO	*Round Housing 8.10:1 - 6.13 (2-speed)	X	N	-
5000-6000 RPO	*Square Housing 8.10:1 - 6.13:1 (2-speed)	X	R	-
5000-6000 RPO	*Round Housing 8.86:1 - 6.7:1 (2-speed)	X	S	-
5000-6000 RPO	*Square Housing 8.86:1 - 6.7:1 (2-speed)	X	D	-

* Manufacturing Option

Each serial number will consist of three or four numbers with the first one or two numbers indicating the month unit was manufactured and the last two numbers indicate the day.

EXAMPLE

A 5.43:1 ratio axle for 4000 Series Truck built at Gear & Axle on April 9th is numbered XE-409. The "4" designates April and the "09" designated the 9th day. If made on October 12th, it would read XE-1012.

Refer to the current Shop Manual for location of the engine and transmission serial numbers.

HMP:M:if
DR-160

ice and Mecehanical Department

F - Flint
T - Tarrytown
S - St. Louis (also Hard Top Coupe & STAT. ONLCABON)
O - Oakland
J - Janesville (also Hard Top Coupe)
VN - Los Angeles
N - Norwood
K - Kansas City
M - Baltimore
AG - Atlanta
L - Lansing (Cabriolet & Hard Top Coupe)
CL - Cleveland (Station Wagon & Sedan Delivery)

Body numbers and prefixes are stamped on a plate located on the hood ledge on the right side of the cowl along with the body style number, trim number and paint number.

ENGINE SERIAL NUMBER AND SUFFIX

PASSENGER

SERIES	DESCRIPTION	TYPE DESIGNATION
15-21-2400	H.D. CLUTCH + ALUMINUM TIMING GEAR	ZJ.
15-21-2400	Regular "235"	Z
15-21-2400	Regular "235" with H.D. Disc	ZC
15-21-2400	Regular "235" with aluminum Camshaft Gear	ZH
15-21-2400	Powerglide	Y
2934 —	Corvette	YG

TRUCKS

SERIES	DESCRIPTION	TYPE DESIGNATION
3100-3600-3800	Thriftmaster "235"	X *
3100-3600-3800	Thriftmaster "235" with H.D. Disc	U *
3100-3600-3800	Thriftmaster "235" with Hydramatic	M *
3700-3900	Load Master "235" with Updraft Carburetor	T **
3700-3900	Load Master "235" Updraft Carburetor and Hydramatic	L **
4000	Thriftmaster "235"	S
5000	Loadmaster "235"	R
5000	Job Master "261"	Q
6000 (RPO 4000)	Loadmaster "235"	P ***
6000	Job Master "261"	N

F will designate Flint Engine.
T will designate Tonawanda Engine.

All motors will be numbered in sequence starting with 0001001.

* "A" stamped following suffix when this engine is used in 3600 Series and "B" when used in 3800 Series.

** "A" stamped following suffix when this engine is used in 3900 Series.

*** "A" stamped follcwing suffix when this engine is used in 4000 Series.

EXAMPLE

The 50th 3100 Series regular production "235" in engine built at Flint, Serial No. 0001050 F54X; if built at Tonawanda 0001050 T54X.

TRANSMISSION SERIAL PREFIX LETTERS

Prefix	Plant	Transmission Type
C	Cleveland	Powerglide
M	Muncie	3-Speed (Passenger & Commercial)
S	Saginaw	3-Speed Passenger
T	Toledo	4-Speed Truck
*W	Warner Gear	3-Speed Heavy Duty

One or two numerals designating the month using "1" for January, "2" for February, etc., "10" for October, "11" for November and "12" for December will be stamped immediately following the letter prefix.

Two numerals designating the production date of the month using "01" for the first day of the month, "02" for the second, etc., will follow the numeral or numerals designating the month.

EXAMPLE

A transmission built July 1 at Toledo would bear Serial Number T701.

A transmission built November 12 at Muncie would bear serial number M1112.

* The letter and numeral or numerals following the source prefix (W) indicates the date transmission was built (A for January, B for February, etc. 1 for the 1st day of month, 2 for second day, etc.)

Following the day designation is 54 indicating year transmission was built. Following the year numerals is a single numeral, either 1 or 2, 1 indicating night - 2 indicating day shift.

EXAMPLE

WG 154-2 indicates a Warner Gear 3-speed heavy duty transmission built on July 1, 1954 on night shift.

WA 1054-1 indicates a Warner Gear 3-speed heavy duty transmission built on January 10, 1954 on day shift.

TRUCK HYDRA-MATIC TRANSMISSIONS

Truck Model	*Transmission Model	*Serial Prefix
3100	180	CH 54
36-3700	200-54	CH 54
38-3900	200-54	CHC 54

* Located on Hydramatic Serial Number Plate attached to Transmission. Serial numbers begin with 1001 on each type transmission.

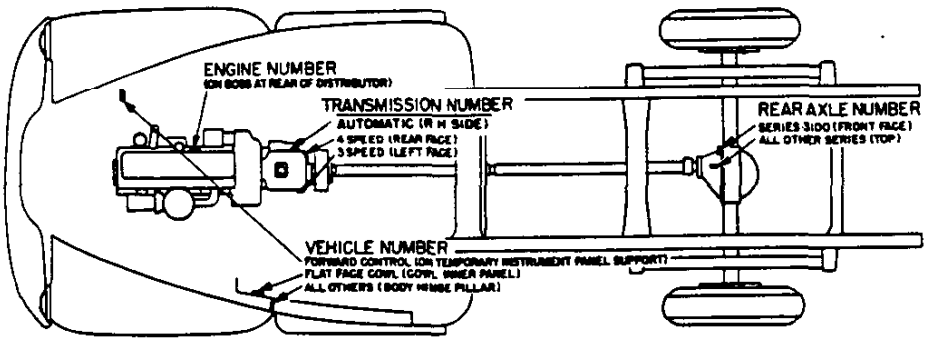
TRUCKS

MODELS

TYPE AND LINE	LIGHT-DUTY CONVENTIONAL		MEDIUM-DUTY CONVENTIONAL				HEAVY-DUTY CONVENTIONAL			HEAVY-DUTY CAB-OVER-ENGINE			HEAVY-DUTY CONVENTIONAL				
Series	1500	3100	3600	3700	3800	3900	4100	4400	4500	5100	5400	5700	6100	6400	6500	6700	68
Flat face Cowl Chassis		3102	3602		3802		4102	4402	4502				6102 6102S	6402 6402S	6502 6502S	6702	6802
Windshield Cowl Chassis		3112	3612		3812		4112	4412					6112 6112S	6412 6412S	6512 6512S		
Forward Control Chassis				3742		3942											
Cab Chassis		3103	3603		3803		4103	4403		5103 5103S	5403 5403S	5703 5703S	6103 6103S	6403 6403S	6503 6503S		
Pickup Truck		3104	3604		3804												
Panel Truck		3105			3805												
Sedan Delivery	1508*																
Suburban Carryall		3106 3116															
Canopy Express Truck		3107			3807												
Platform Truck			3608		3808		4108	4408			5408 5408S		6108 6108S	6408 6408S			
Stake Truck			3609		3809		4109	4409			5409 5409S		6109 6109S	6409 6409S			

* - See the passenger car section for Sedan Delivery specifications.

SERIAL NUMBERS



Note: Serial numbers data were obtained from Standards Department.

VEHICLE SERIAL NUMBER

Example: L 54 K 001803

Series	Model Year		Assembly Plant	Unit Number
H 3100			T Tarrytown	
J 3600			F Flint	
K 3700			S St Louis	
L 3800			K Kansas City	
M 3900			O Oakland	
N 4100			A Atlanta	
P 4400			N Norwood	
R 4500			B Baltimore	
S 5100	*SS	5100S*	L Los Angeles	
T 5400	ST	5400S	J Janesville	
U 5700	SU	5700S		
V 6100	SV	6100S		
W 6400	SW	6400S		
X 6500	SX	6500S		
Y 6700		*-S, used on 1-1/2 ton specials only		
Z 6800				

Unit numbers begin with 1001 at each plant regardless of series.

ENGINE SERIAL NUMBER

Example: 0601025 F 54 T

Unit Number		Assembly Plant	Model Year	Type
Flint	Tonawanda	Series		
F54X	T54X	3100		
F54XA	T54XA	3600		
F54XB	T54XB	3800		
F54U	T54U	3100 with HD clutch (RPO 227)		
F54UA	T54UA	3600 with HD clutch (RPO 227)		
F54UB	T54UB	3800 with HD clutch (RPO 227)		
F54M	T54M	3100 with automatic transmission		
F54MN	T54MA	3600 with automatic transmission		
F54MB	T54MB	3800 with automatic transmission		
F54T	T54T	3700		
F54TA	T54TA	3900		
F54L	T54L	3700 with automatic transmission		
F54LA	T54LA	3900 with automatic transmission		
F54S	T54S	4000		
F54PA	T54PA	4000 HD Engine		
F54R	T54R	5000		
F54Q	T54Q	5000 HD Engine		
F54P	T54P	6000		
F54N	T54N	6000 HD Engine		

Unit numbers begin with 1001 at each plant and continue in sequence.

TRANSMISSION IDENTIFICATION

Three speed regular and four speed

Example: T 2 07

Plant & type design Prefix	Month	Day of Month
M	Muncie	3-Speed
T	Toledo	4-Speed

Automatic Transmission Identification

Series	3100	36-37-38-3900
Plate color	Orange	Black
Plate Location	On right hand side of transmission	

Heavy Duty Three Speed Transmission

Example: W G 15 4 2

Manufacturer | Month | Day of Month | Year | Work Shift

REAR AXLE SERIAL NUMBER

Example: M U 102

Model Year	Type and Assembly Plant		Month	Day of Month
Detroit	Buffalo	Series		
MU	MV	3100, 3.9 ratio		
MA	MB	3100, with automatic transmission (RPO 314)		
MG	MH	3600, 4.57 ratio		
MD	--	3600, dual wheels (RPO 282)		
MC	--	3600, dual wheels & 5.14 ratio (RPO 208)		
MQ	MR	3742, 5.14 (RPO 208 on 3600)		
XJ	--	3802-12, 5.14 ratio (RPO 214) single wheels		
XQ	--	3802-03-08-12, 5.14 ratio (RPO 292) dual wheels		
XC	--	3802-12, 5.14 ratio (RPO 214) dual wheels		
XA	--	3942, 5.14 ratio (RPO 214) single wheels		
XL	--	3942, 5.14 ratio (RPO 214 & 295) dual wheels		
XE	--	4000, 6.17 ratio		
XG or XK	--	4000, 5.43 ratio (RPO 204)		
XN or XR	--	5000-6000, 6.17 ratio		
XS or XD	--	5000-6000, 2-Speed (RPO 202)		
		5000-6000, 2-Speed (RPO 201)		

MODEL 3102 LIGHT DUTY FLAT FACE COWL CHASSIS
MODEL 3112 LIGHT DUTY WINDSHIELD COWL CHASSIS

1/2 TON NOMINAL RATING --- 116 WHEELBASE --- 4800 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam type; 2200 lb capacity
AXLE, REAR ---- Semi-floating type; 3300 lb capacity; hypoid gears; 3.9 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY ---------- None
BRAKES
PARKING ---------- Foot operated on rear wheels; 74 sq. in. area
SERVICE ------- Hydraulic type; 4 wheel; 158 sq. in.
FRONT ---------- 11 x 2; 84 sq. in. area
REAR ---------- 11 x 1-3/4; 74 sq. in. area
BUMPER, FRONT ---------- Curved, spring type; painted
CLUTCH ---------- Diaphragm spring; single disc type; 10 dia; 100.53 sq. in. area; 248 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core, 4 lb press. cap; 407 sq.in. frontal area; 16 quart capacity
DISPATCH BOX - 3102 -------- 13-7/8 x 4-3/4 x 8-1/4
3112 -------- 13-1/2 x 5-1/2 x 8-1/2
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ.
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front and rear
FRAME ------- Ladder type with 4 cross members, channel side rails 5-3/4 x 2-1/4 x 9/64; section modulus 2.46 in.^{3}
FUEL TANK ---------- Inside of frame on right side; 16 gallon capacity
GENERATOR ---------- 40 amp maximum rate •
LIGHTS ---------- 2 head, 2 parking and 1 tail and stop
RIDE STABILIZER ---------- Frame to front axle
RUNNING BOARDS ---------- Full length
SEAT RISER ---------- 3112 only
SHOCK ABSORBERS ---- Front and rear; direct double-acting; 1-inch dia piston
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS, FRONT -- Semi-elliptic; 8-leaf, 38 x 1-3/4; 1000 lb (ea) capacity at ground
SPRINGS, REAR --- Semi-elliptic; 8-leaf, 54 x 1-3/4; 1450 lb (ea) capacity at ground
STEERING GEAR ---------- Recirculating-ball type; 26.24:1 ratio; 18-inch dia wheel
TIRES ---------- Front, rear and spare; 6.00-16-6pr; 1065 lb (ea) capacity
TOOLS ---------- 2500 lb capacity jack; wheel wrench; jack handle
TOOL BOX (3112 only) ---------- 50 x 19 x 2-3/8
TRANSMISSION ---------- 3-speed, Synchro-mesh; gearshift control mounted on steering column.
VENTILATOR ---------- Top of cowl
WHEELS ---------- 5; 16 x 4-1/2K
WINDSHIELD WIPERS - (3112 only) - Dual; cowl-mounted

OPTIONAL EQUIPMENT

For model application see Option Section

	Wt	Number
AIR CLEANER, AC make, oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
BUMPER EQUIPMENT, REAR	30R	218
CHROME EQUIPMENT: Includes Radiator Grille, Front Bumper & Hub Caps	*	393 x
CLUTCH, HEAVY DUTY: Diaphragm spring, single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb cap	*	227
COLORS, VEHICLE, Solid	*	234
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
FENDERS, LESS REAR	Minus 40R	615
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
55 amp, low cut-in	32F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 2300 - 3200 RPM	*	241
OIL FILTER: AC make;		
1 quart capacity	8F	237
2 quart capacity	15F	237
SHOCK ABSORBER SHIELDS, REAR	*	211
SPRINGS, REAR: ♦		
Included in tire RPOs 273 and 282; Semi-elliptic; 10-leaf; 1800 lb (ea) capacity at ground		
TIRES, MAXIMUM		
Front, rear and spare; 15-6pr; 1500 lb (ea) capacity (spring weight included)	42F, 92R	273
TRANSMISSION:		
3-Speed Heavy Duty	12F, 5R	316
Automatic 4-Speed	100F, 40R	314
4-Speed, Synchro-mesh; power-take-off opening on left side	53F, 22R	318
VACUUM BOOSTER AND FUEL PUMP	*	340
WINDSHIELD WIPERS:		
Dual, Electric (3112 only)	*	320

* Weight is less than 10 pounds

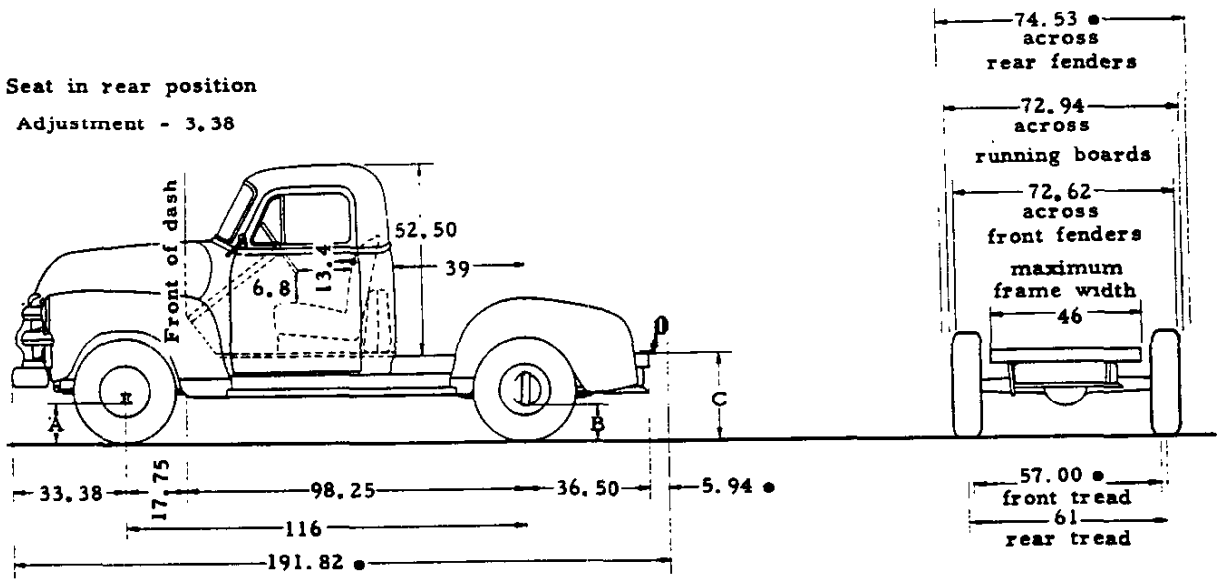
11-28-53. Revised: 12-18-53; 5-1 -54, •-New generator. x-RPO added. ♦-RPO 282 added.

CHASSIS AND BODY DIMENSIONS

Model 3103 Cab Chassis

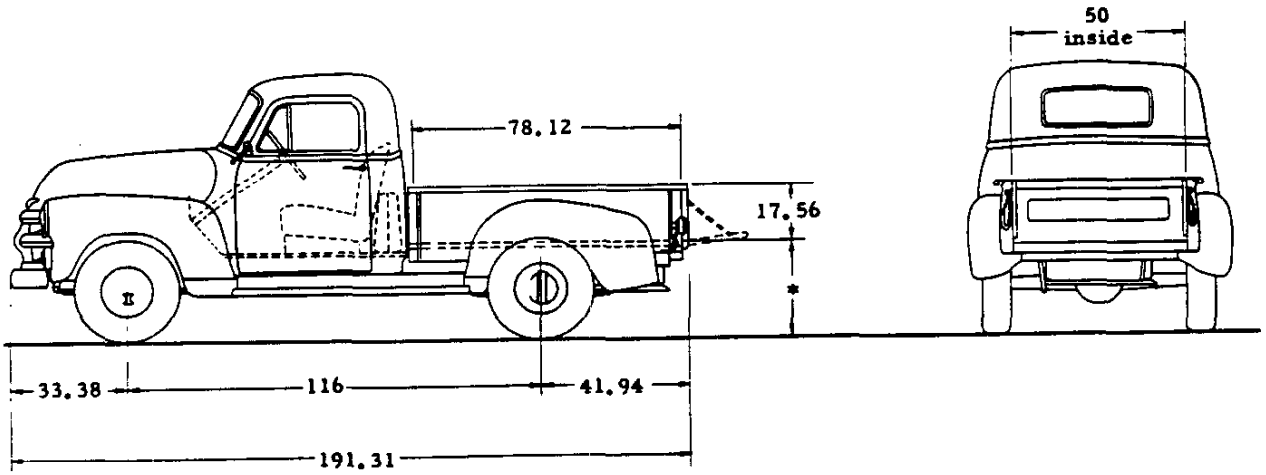
Seat in rear position

Adjustment - 3.38



Equipment	Height Without Body and Payload		
	A •	B	C
Standard	8.25	8.00	25.75
Minimum for Max GVW	8.25	8.38	26.00

Model 3104 Pickup Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	23.75	27.75	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	22.00	28.25	6.00-16-6pr	6.50-16-6pr

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and/ or Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
3103x	1785	1095	2880	1855	1165	3020	1750	11%	89%	48
								6%	94%	60
								0%	100%	72
3104x	1785	1360	3145	1855	1430	3285	1500	0%	100%	78

11-28-53. Revised: 5-1-54, •-Dimension corrected. x-Production weights replaces estimated weights.

MODEL 3103 LIGHT DUTY CAB CHASSIS
MODEL 3104 LIGHT DUTY PICKUP TRUCK

1/2 TON NOMINAL RATING --- 116 WHEELBASE --- 4800 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT -------- I-beam type; 2200 lbs capacity
AXLE, REAR --- Semi-floating type; 3300 lbs capacity; hypoid gears; 3.9 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY
3103 ---------- None
3104 ---------- Welded steel box, wood floor, and steel skid strips
BRAKES
PARKING ---------- Foot-operated on rear wheels, 74 sq. in. area
SERVICE ------ Hydraulic type; 4-wheel; 158 sq. in.
FRONT ---------- 11 x 2; 84 sq. in. area
REAR ---------- 11 x 1-3/4; 74 sq. in. area
BUMPERS, FRONT ---------- Curved, spring type, painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH Diaphragm spring; single disc type; 10 dia; 100.53 sq. in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Cellular radiator core; 407 sq. in. frontal area; 4 lb pressure cap; 16 qt capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Torque tube
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front and rear
FRAME ------ Ladder type with 4-cross members, channel side rails 5-3/4 x 2-1/4 x 9/64; section modulus 2.46 in.^{3}
FUEL TANK ---------- Back of seat in cab; 17-1/2 gal. capacity
GENERATOR ---------- 40 amp maximum rate •
LIGHTS ---------- 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW -------- LH; short fixed bracket
RUNNING BOARDS ---------- Full length
SEAT ---------- Full width
SHOCK ABSORBERS --- Front and rear; direct double-acting; 1-inch dia piston.
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS, FRONT -- Semi-elliptic; 8-leaf, 38 x 1-3/4; 1000 lb (ea) capacity at ground
SPRINGS, REAR --- Semi-elliptic; 8-leaf, 54 x 1-3/4; 1450 lb (ea) capacity at ground
STEERING GEAR ------ Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ---------- Front, rear, and spare; 6.00-16-6pr; 1065 lb (ea) capacity
TOOLS ---------- 2500 lb capacity jack; jack handle; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION ---------- 3-Speed, Synchro-mesh; gearshift control mounted on steering column
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 5; 16 x 4-1/2K
WINDSHIELD WIPERS ---------- Dual; cowl-mounted

OPTIONAL EQUIPMENT

For model application see Option Section

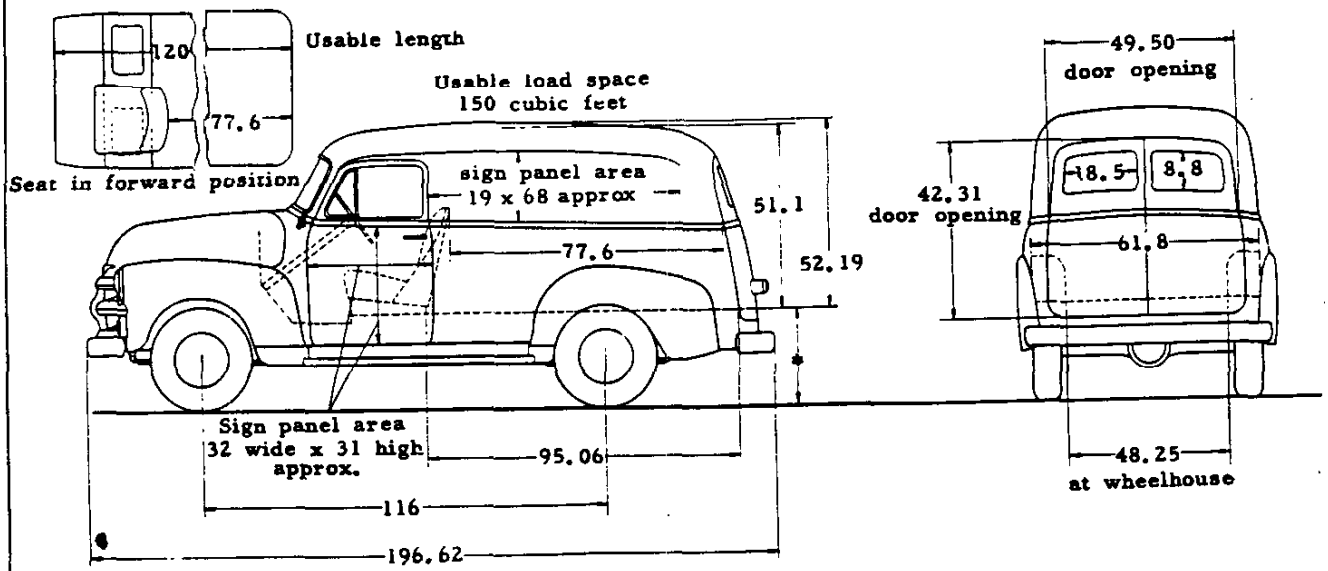
	Wt	Number	
AIR CLEANER: AC make; oil bath type			
1 pint capacity	*	216	
2 pint capacity	*	216	
BUMPER EQUIPMENT, REAR ---------- 30R		218	
CHROME EQUIPMENT: Includes Radiator Grille, Front Bumper and Hub Caps	*	393	x
CLUTCH, HEAVY DUTY: Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb cap.	*	227	
COLORS, VEHICLE, Solid	*	234	
Two-tone	*	438	◆
CORNER WINDOWS, CAB: Clear or tinted	*	387	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
DELUXE EQUIPMENT	*	430	▼
FENDERS, LESS REAR (3103 only) - Minus-40R		615	
GENERATOR: With voltage and current regulator, and pulley for high output			
40 amp	13F	326	
45 amp	*	326	
50 amp	13F	326	
55 amp	32F	326	
55 amp, low cut-in	32F	326	
GLASS EQUIPMENT, BODY: Tinted	*	399	
GOVERNOR: Range 2300-3200 RPM	*	241	
MIRROR, REAR VIEW:			
RH, long or short; LH, long	*	210	
OIL FILTER: AC make;			
1 quart capacity	8F	237	
2 quart capacity	15F	237	
SEAT EQUIPMENT: Unison	*	264	
SHOCK ABSORBER SHIELDS, REAR	*	211	
SIDE DOOR and WHEEL CARRIER LOCK	*	395	
SPRINGS, REAR: * Included in tire RPOs 273 & 282 Semi-elliptic; 10-leaf; 1800 lb (ea) capacity at ground			
TIRES, MAXIMUM Front, rear, and spare: 15-6pr; 1500 lb (ea) capacity (Spring weight included)	42F, 92R	273	
TRANSMISSION			
3-Speed Heavy Duty	12F, 5R	316	
Automatic 4-Speed	100F, 40R	314	
4-Speed, Synchro-mesh; Power take-off opening on left side	53F, 22R	318	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WHEEL CARRIER EQUIPMENT (3104 only): side mounted	*	341	
WINDSHIELD WIPERS: Dual, Electric	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised: 12-18-53; 5-1-54, •-New generator. x-RPO added. ◆-RPO 438 added. ▼-RPO number changed. *- RPO 282 added.

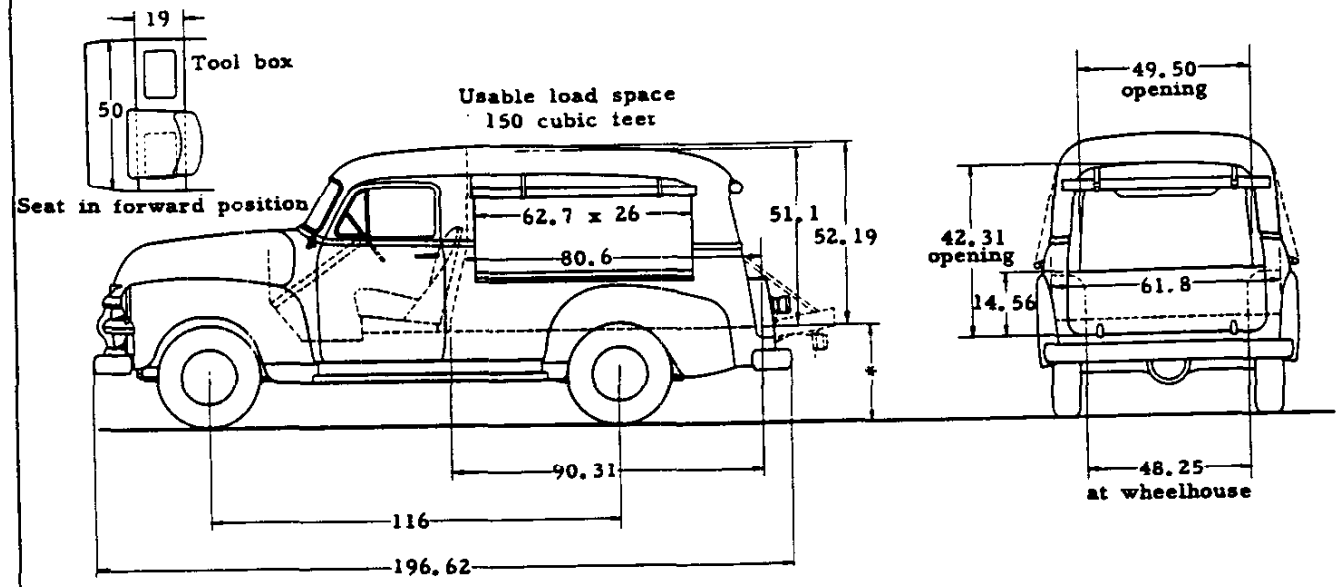
CHASSIS AND BODY DIMENSIONS

Model 3105 Panel Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	25.25	28.00	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	23.25	28.50	6.00-16-6pr	6.50-16-6pr

Model 3107 Canopy Express Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	25.25	28.25	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	23.25	28.75	6.00-16-6pr	6.50-16-6pr

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW		
	Shipping			Curb			Payload	Payload Distribution	
	Front	Rear	Total	Front	Rear	Total		Front	Rear
3105 ●	1730	1630	3360	1780	1710	3490	1300	5%	95%
3107 ⊕	1745	1580	3325	1795	1660	3455	1350	4%	96%

⊕-Estimated Weight

11-28-53. Revised: 5-1-54, ●-Production weights replaces estimated weights.

MODEL 3105 LIGHT DUTY PANEL TRUCK
MODEL 3107 LIGHT DUTY CANOPY EXPRESS TRUCK

1/2 TON NOMINAL RATING --- 116 WHEELBASE --- 4800 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT --------- I-beam type; 2200 lb capacity
AXLE, REAR -------- Semi-floating; 3300 lb capacity; hypoid gears; 3.9 ratio
BATTERY ----------15 plate; 100 amp hr capacity
BODY
PANEL -------All-steel panel with plywood floor and steel skid strips. Two rear doors for full width opening at rear.
CANOPY EXPRESS ----- All-steel with plywood floor and steel skid strips. Weather-proof curtains for load compartment, side and rear openings. Tail gate in rear. Sheet metal partition with window between driver compartment and load space.
BRAKES
PARKING ---------- Foot-operated on rear wheels; 74 sq. in. area.
SERVICE ------ Hydraulic type; 4-wheel; 158 sq. in.
FRONT ---------- 11 x 2; 84 sq. in. area
REAR ----------11 x 1-3/4; 74 sq. in. area
BUMPERS ----------Curved, spring type; painted
CLUTCH ---Diaphragm spring, single disc type; 10 dia; 100.53 sq. in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Cellular radiator core; 407 sq. in. frontal area; 4 lb pressure cap; 16 qt capacity
DISPATCH BOX ----------13/1/2 x 5-1/2 x 8-1/2
DOME LIGHT ------ Above driver on centerline of car
DRIVE SYSTEM ---------- Torque tube
ENGINE -----Thriftmaster; 235.5 cu. in. displacement
GROSS HP ----------112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front and rear
FRAME -------Ladder type with 4 cross members, channel side rails 5-3/4 x 2-1/4 x 9/64; section modulus 2.46 in.^{3}
FUEL TANK ---------- Inside of frame on right side; 16 gallon capacity
GENERATOR ----------40 amp maximum rate •
LIGHTS -------- 2 head, 2 parking, and 1 tail and stop
MIRROR, REARVIEW ---------LH; short fixed bracket
RIDE STABILIZER ---- Frame to front axle (3105 only)
RUNNING BOARDS ----------Full length
SEAT ---------- Bucket type; driver only
SHOCK ABSORBERS Front and rear; direct double-acting; 1-inch dia piston
SPARE WHEEL CARRIER ---------Underslung at rear
SPRINGS
FRONT ---------- Semi-elliptic; 8-leaf, 38 x 1-3/4 1000 lb (ea) capacity at ground
REAR ---------- Semi-elliptic; 8-leaf, 54 x 1-3/4 1450 lb (ea) capacity at ground
STEERING GEAR ------ Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
SUNSHADE ----------Adjustable; for driver
TIRES ---------Front, rear, and spare; 6.00-16-6 pr; 1065 lb (ea) capacity
TOOLS ---------- 2500 lb capacity jack; jack handle; wheel wrench
TOOL BOX ----------Under seat; 50 x 19 x 2-3/8
TRANSMISSION ---------- 3-Speed, Synchro-mesh; gearshift control mounted on steering column.
VENTILATORS ----------Top of cowl and ventipanes
WHEELS ---------- 5; 16 x 4-1/2K
WINDSHIELD WIPERS ----------Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

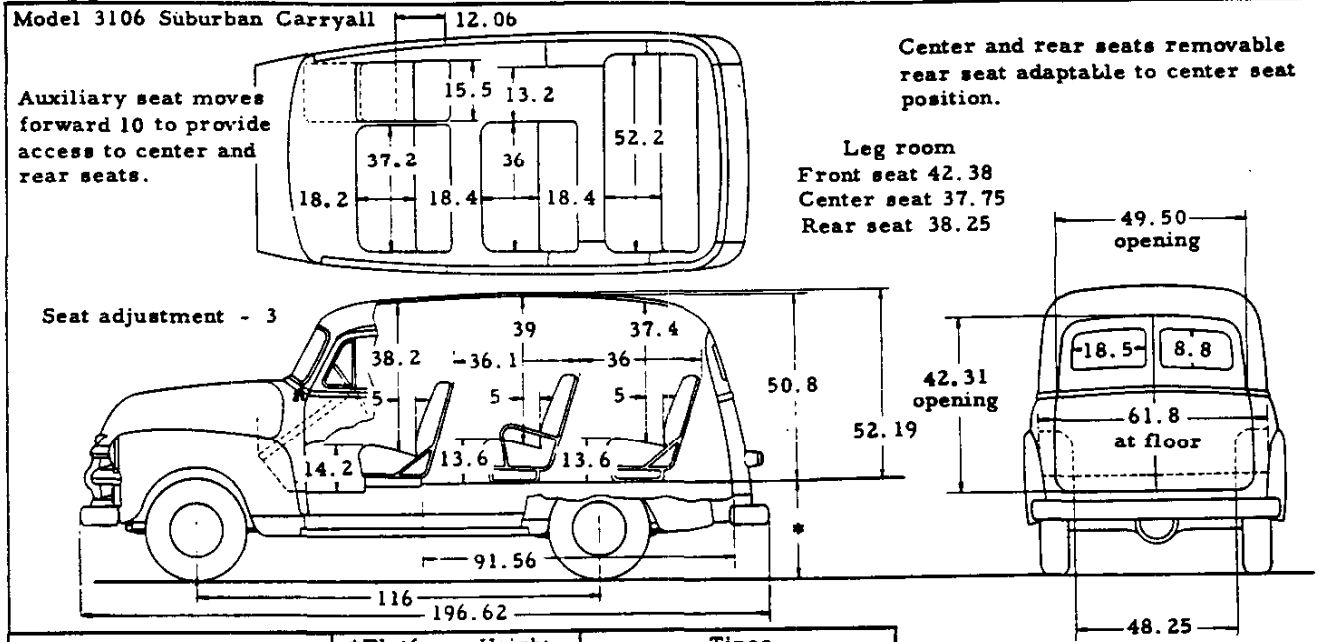
	Wt	Number	
AIR CLEANER: AC make; oil bath type			
1 pint capacity	*	216	
2 pint capacity	*	216	
CHROME EQUIPMENT: Includes Radiator Grille, Front & Rear Bumpers & Hub Caps	*	393	x
CLUTCH, HEAVY DUTY: Diaphragm spring, single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity	*	227	
COLORS, VEHICLE, Solid	*	234	
Two-tone (3105 only)	*	439	◆
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
DELUXE EQUIPMENT (3105 only)	*	430	v
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp	13F	326	
45 amp	*	326	
50 amp	13F	326	
55 amp	32F	326	
55 amp, Low cut-in	32F	326	
GLASS EQUIPMENT, BODY: Tinted	*	241	
LAMPS, TAIL AND STOP: Dual mounted	*	249	
MIRROR, REAR VIEW: Short, RH	*	210	
OIL FILTER: AC make;			
1 quart capacity	8F	237	
2 quart capacity	15F	237	
SEAT, AUXILIARY:			
Imitation leather	24F, 24R	263	
SHOCK ABSORBER SHIELDS, REAR	*	211	
SIDE DOOR KEY LOCK, LH	*	395	
SPRINGS, REAR: *			
Included in tire RPOs 273 & 282; Semi-elliptic; 10-leaf; 1800 lb (ea) capacity at ground			
TIRES, MAXIMUM: Front and rear, and spare; 15-6 pr; 1500 lb (ea) capacity (Spring weight included)	42F, 92R	273	
TRANSMISSION:			
3-Speed Heavy Duty	12F, 5R	316	
Automatic 4-Speed	100F, 40R	314	
4-Speed, Synchro-mesh; Power take-off opening on left side	53F, 22R	318	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WINDSHIELD WIPERS: Dual, Electric	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised: 12-18-53; 5-1 -54, •-New Generator. x-RPO added ◆-RPO 439 added. v-RPO number changed. *-RPO 282 added.

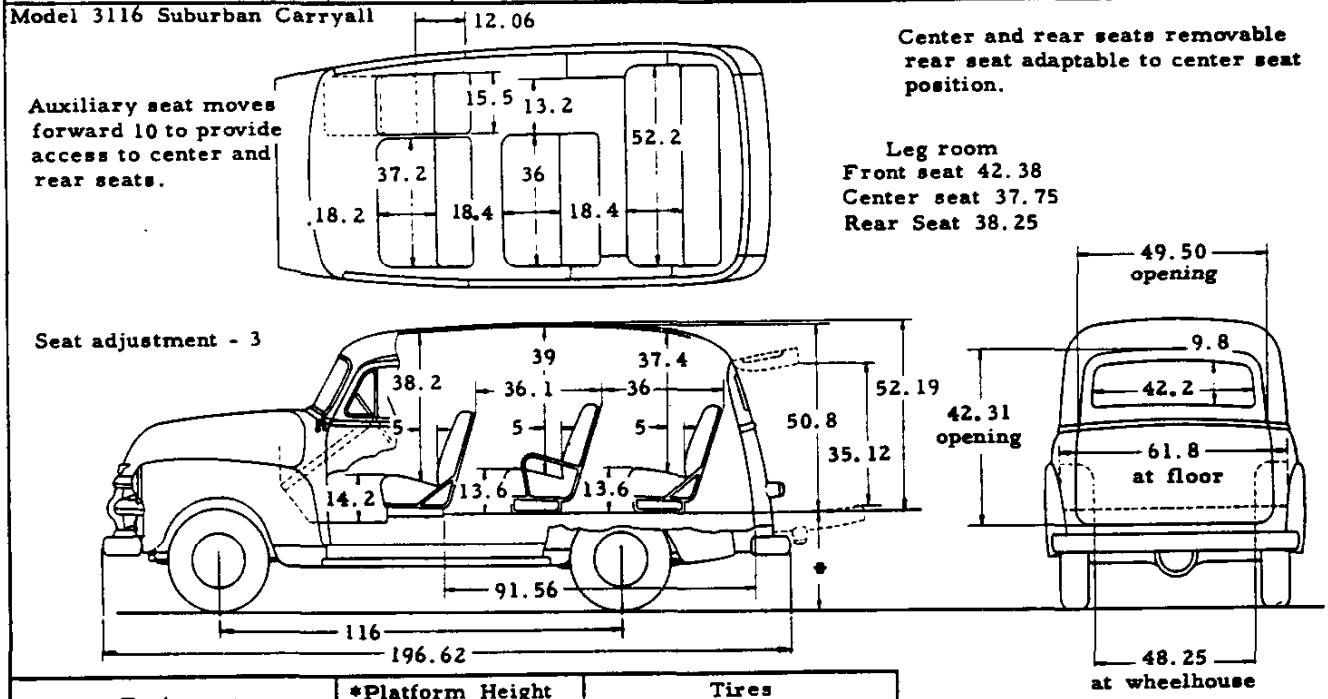
CHASSIS AND BODY DIMENSIONS

Model 3106 Suburban Carryall



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	25.25	26.88	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	23.25	27.25	6.00-16-6pr	6.50-16-6pr

Model 3116 Suburban Carryall



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	25.25	26.88	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	23.25	27.25	6.00-16-6pr	6.50-16-6pr

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW		
	Shipping			Curb			Payload	Payload Distribution	
	Front	Rear	Total	Front	Rear	Total		Front	Rear
3106 e	1760	1880	3640	1810	1960	3770	1000	3%	97%
3116 e	1755	1885	3640	1805	1965	3770	1000	3%	97%

11-28-53. Revised: 5-1-54, e-Production weights replaces estimated weights.

MODEL 3106 SUBURBAN CARRYALL WITH REAR DOORS
MODEL 3116 SUBURBAN CARRYALL WITH TAIL AND LIFT GATE

1/2 TON NOMINAL RATING --- 116 WHEELBASE --- 4800 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT --------- I-beam type; 2200 lb capacity
AXLE, REAR --- Semi-floating type; 3300 lb capacity; hypoid gears; 3.9 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY ------- All-steel, single unit, eight passenger body with removable rear and center seats and linoleum covered plywood floor. Model 3106 has panel type rear doors and Model 3116 has a tail gate and lift type doors.
BRAKES
  PARKING ---------- Foot-operated on rear wheels; 74 sq. in. area
  SERVICE ------ Hydraulic type; 4-wheel; 158 sq. in.
    FRONT ---------- 11 x 2; 84 sq. in. area
    REAR ---------- 11 x 1-3/4; 74 sq. in. area
BUMPERS ---------- Curved, spring type; painted
CLUTCH ---------- Diaphragm spring single disc type; 10 dia, 100.53 sq. in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 16 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ------- Above driver on centerline of car
DRIVE SYSTEM ---------- Torque tube
ENGINE ---------- Thriftmaster 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front and Rear
FRAME ------ Ladder type with 4 cross members; channel side rails 5-3/4 x 2-1/4 x 9/64; section modulus 2.46 in.^{3}
FUEL TANK ---------- Inside of frame on right side; 16 gallon capacity
GENERATOR ---------- 40 amp maximum rate •
LIGHTS -------- 2 Head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW -------- LH; Short fixed bracket
RIDE STABILIZER ---------- Frame to front axle
RUNNING BOARDS ---------- Full length
SEATS --- Front, 3-pass; center, 2-pass rear; 3-pass
SHOCK ABSORBERS ---- Front and rear; direct double-acting; 1-inch dia piston
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
  FRONT ---------- Semi-elliptic, 8-leaf; 38.x 1-3/4; 1000 lb (ea) capacity at ground
  REAR ---------- Semi-elliptic, 8-leaf; 54 x 1-3/4; 1450 lb (ea) capacity at ground
STEERING GEAR ------- Recirculating-ball type; 26.24 ratio; 18 dia wheel
SUNSHADE (LH only) ---------- ---- One, adjustable ▼
TIRES --------- Front, Rear, and Spare; 6.00-16-6pr; 1065 lb (ea) capacity
TOOLS --- 2500 lb cap. jack; jack handle; wheel wrench
TOOL BOX ---------- Under seat; 36 x 19 x 2-3/8
TRANSMISSION ---------- 3-Speed, Synchro-mesh; steering column-mounted gearshift control
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 5; 16 x 4-1/2K
WINDSHIELD WIPERS ---------- Dual; cowl-mounted

OPTIONAL EQUIPMENT

For model application see Option Section

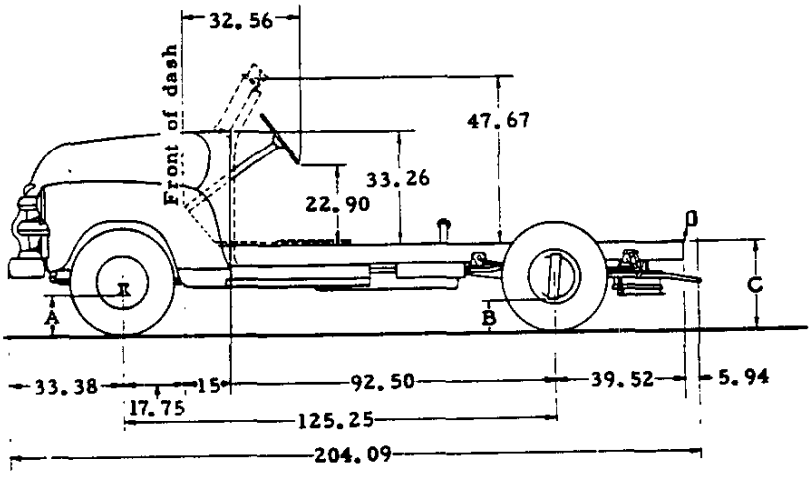
	Wt	Number	
AIR CLEANER: AC make; oil bath type			
1 pint capacity	*	216	
2 pint capacity	*	216	
CHROME EQUIPMENT: Includes Radiator Grille Front & Rear Bumpers & Hubs Caps	*	393	x
CLUTCH, HEAVY DUTY: Diaphragm spring, single disc type; 11 dia; 123.7 sq. in. area 282 ft lb capacity	*	227	
COLORS, VEHICLE, Solid	*	234	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp	13F	326	
45 amp	*	326	
50 amp	13F	326	
55 amp	32F	326	
55 amp, low cut-in	32F	326	
GLASS EQUIPMENT, BODY: Tinted	*	399	
GOVERNOR:			
Range 2300-3200 RPM	*	241	
LAMPS, DUAL TAIL AND STOP	*	249	
MIRROR, REAR VIEW: Short, RH	*	210	
OIL FILTER: AC make;			
1 quart capacity	*	237	
2 quart capacity	12F	237	
SHOCK ABSORBER SHIELDS, REAR	*	211	
SIDE DOOR KEY LOCK, LH	*	395	
SPRINGS, REAR: ♦ Included in tire RPOs 273 & 282 Semi-elliptic; 10-leaf; 1800 lt (ea) capacity at ground			
TIRES, MAXIMUM Front, rear, and spare; 15-6pr; 1500 lb (ea) capacity; (Spring weight included)	42F, 92R	273	
TRANSMISSION:			
3-Speed Heavy Duty	12F, 5R	316	
Automatic 4-Speed	100F, 40R	314	
4-Speed, Synchro-mesh; Power take-off opening on left side	53F, 22R	318	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WINDSHIELD WIPERS: Dual, Electric	*	320	

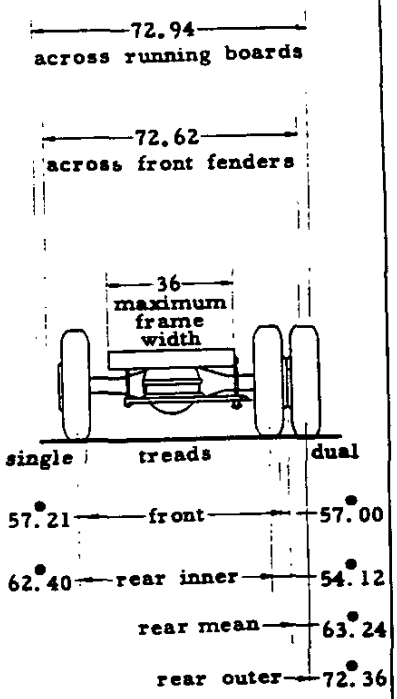
*-Weight is less than 10 pounds

11-28-53. Revised: 12-18-53; 5-1-54, •-New Generator. x-RPO added. ♦-RPO 282 added. ▼-Data revised.

CHASSIS AND BODY DIMENSIONS

Model 3602 Flat Face Cowl Chassis
Model 3612 Windshield Cowl Chassis





Equipment	Height Without Body and Payload		
	A	B	C
Standard	8.91	7.68	27.75
Minimum for Max GVW	8.84	7.55	28.14

To determine loaded and unloaded heights, body specifications must be known.
Minimum tire equipment for max. GVW is 7.00-17-6 front and 7.50-17-8pr rear. x

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
3602◆	1675	1010	2685	1740	1115	2855	3950	Determined by style, length and weight of body.		
3612 ●	1720	1060	2780	1785	1165	2950	3850			

●-Estimated Weight

11-28-53. Revised: 5-1-54, e-Dimension corrected. x-Tires changed to comply with new GVW. ◆-Production weights replaces estimated weights.

MODEL 3602 MEDIUM DUTY FLAT FACE COWL CHASSIS
MODEL 3612 MEDIUM DUTY WINDSHIELD COWL CHASSIS

3/4 TON NOMINAL RATING --- 125-1/4 WHEELBASE --- 6900 MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ------ I-beam type; 2500 lb capacity
AXLE, REAR --- Full-floating type; 5000 lb capacity; Hypoid gears; 4.57 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
  PARKING --------- Foot-operated on rear wheels; 93 sq. in. area
  SERVICE ---- Hydraulic type; 4-wheel; 186 sq. in.
    FRONT ---------- 12 x 2; 93 sq. in. area
    REAR ---------- 12 x 2; 93 sq. in. area
BUMPER, FRONT ---------- Curved spring type; painted
CLUTCH--Diaphragm spring; single disc type; 10 dia; 100.53 sq. in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM --- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 16 quart capacity
DISPATCH BOX-3602 ------- 13-7/8 x 4-3/4 x 8-1/4
  3612 ------- 13-1/2 x 5-1/2 x 8-1/2
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ---- Ladder type with 5 cross members, channel side rails 5-27/32 x 2-1/4 x 3/16; section modulus 3.25 in.^{3}
FUEL TANK --------- Inside of frame on right side '16 gallon capacity
GENERATOR ---------- 40 amp maximum rate •
LIGHTS ---------- 2 head, 2 parking, and 1 tail and stop
RUNNING BOARDS ---------- Short
SEAT RISER ---------- 3612 only
SHOCK ABSORBERS ---------- Front and rear; direct double-acting 1-inch dia. piston
SPARE WHEEL CARRIER ------ Underslung at rear
SPRINGS
  FRONT -------- Semi-elliptic; 8-leaf, 38 x 1-3/4; 1150 lb (ea) capacity at ground
  REAR ----- Semi-elliptic; 2-stage; 7-leaf, 46 x 2; 2000 lb (ea) capacity at ground
STEERING GEAR ----- Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
TIRES --- Front and rear; 15-6pr; 1500 lb (ea) cap.
TOOLS ---------- 2500 lb capacity jack; jack handle; tire changing iron; wheel wrench;
TOOL BOX (3612 only) ---------- 50 x 19 x 2-3/8
TRANSMISSION ---------- 3-Speed, Synchro-mesh, gearshift control mounted on steering column
VENTILATOR ---------- Top of cowl
WHEELS ---------- 5; 15 x 5.50 F
WINDSHIELD WIPERS:
  3612 only ---------- Dual: cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, REAR: Single-speed; full-floating; 5.14 ratio; 5000 lb capacity	*	208
BUMPER EQUIPMENT, REAR	32R	218
CHROME EQUIPMENT: Includes Radiator Grille, Front Bumper & Hub Caps	*	393
CLUTCH, HEAVY DUTY	*	227
COLORS, VEHICLE, Solid	*	234
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
55 amp, low cut-in	32F	326
GOVERNOR:		
Range 2300-3200 RPM	*	241
OIL FILTER: AC make		
1 quart capacity	8F	237
2 quart capacity	15F	237
RADIATOR, HEAVY DUTY: 17 qt cap.	*	256
RUNNING BOARDS (long) AND REAR FENDERS	72F	207
SHOCK ABSORBER SHIELDS, REAR	*	211
SPRINGS, REAR		
Includes in tire RPOs 272 and 282; 8-leaf; two-stage; 2500 lb (ea) capacity at ground		x
TIRES, MAXIMUM		
Front and single rear; 7.50-17-8pr; 2100 lb (ea) capacity; (Spring weight included)	45F, 71R	272
Front and dual rear; 6.50-16-6pr; 1215 lb (ea) capacity; (Spring weight included)	25F, 165R	282
TRANSMISSION:		
3-Speed Heavy Duty	13F, 4R	316
Automatic 4-Speed without oil cooler	110F, 30R	314
4-Speed, Synchro-mesh; Power take-off opening on left side	54F, 21R	318
VACUUM BOOSTER AND FUEL PUMP	*	340
WINDSHIELD WIPERS: Dual, Electric (3612 only)	*	320

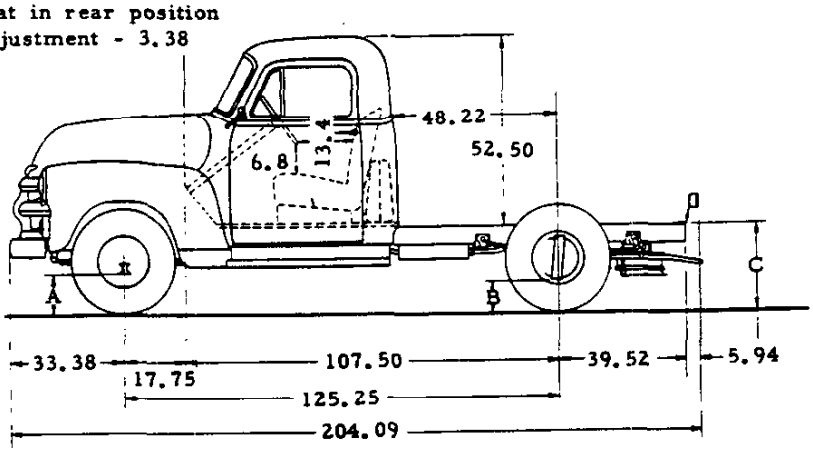
*-Weight is less than 10 pounds

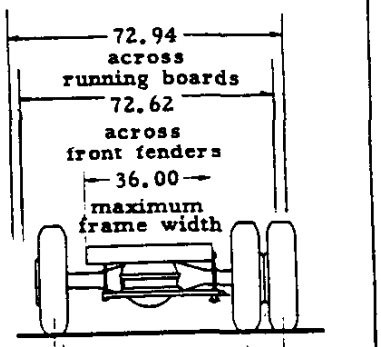
11-28-53. Revised: 12-18-53: 5-1-54, •-New Generator. x-RPO added.

CHASSIS AND BODY DIMENSIONS

Model 3603 Cab Chassis

Seat in rear position
Adjustment - 3.38



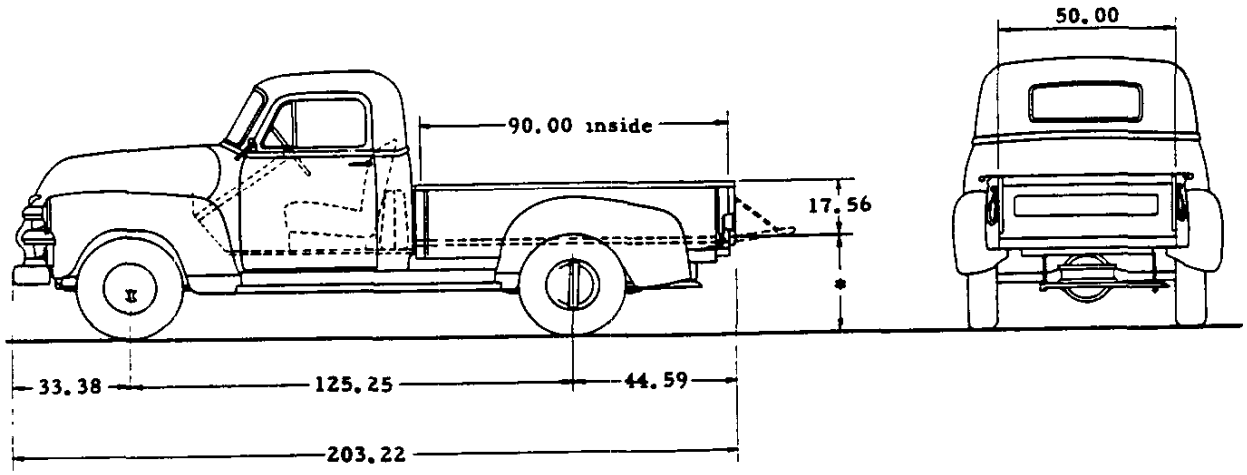


	Single	Treads	Dual
front	57.21●		57.00●
rear inner	62.40●		54.12●
rear mean			63.24●
rear outer			72.36●

Equipment	Height Without Body and Payload		
	A	B	C
Standard	8.83	7.63	27.77
Minimum for Max GVW	8.75	7.50	27.75

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for Max GVW is 7.00-17-6 front and 7.50-17-8 rear. x

Model 3604 Pickup Truck



Equipment	*Platform Height		Tires		
	Loaded	Unloaded	Front	Rear	
Standard	26.31	30.12	15-6pr	15-6pr	
Minimum for Max GVW	28.35	32.11	7.00-17-6pr	7.50-17-8pr	x

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and/ or Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
3603 ♦	1925	1210	3135	2000	1315	3315	3500	8%	92%	72
								6%	94%	78
								3%	97%	84
								1%	99%	90
3604 ♦	1940	1585	3525	2015	1690	3705	3100	2%	98%	90

11-28-53. Revised: 5-1-54, ●-Dimensions corrected. x-Data corrected. ♦-Production weights replaces estimated weights.

MODEL 3603 MEDIUM DUTY CAB CHASSIS
MODEL 3604 MEDIUM DUTY PICKUP TRUCK

3/4 TON NOMINAL RATING --- 125-1/4 WHEELBASE --- 6900 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT --------- I-beam type; 2500 lb capacity
AXLE, REAR ----- Full floating type; 5000 lb capacity; hypoid gears; 4.57 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY
3604 ----------Welded steel box, wood floor, and steel skid strips.
BRAKES
PARKING ----------Foot-operated on rear wheels; 93 sq. in. area
SERVICE ------ Hydraluic type; 4-wheel; 186 sq. in.
FRONT ---------- 12 x 2; 93 sq. in. area
REAR ----------12 x 2; 93 sq. in. area
BUMPER, FRONT --------Curved, spring type; painted
CAB ----------All-steel; welded; flexibly mounted
CLUTCH -- Diaphragm spring; single disc type; 10 dia; 100.53 sq. in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ----------Juniper Green
COOLING SYSTEM---- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 16 quart capacity
DISPATCH BOX ----------13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ----------Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ----------Thriftmaster; 235.5 cu. in. displ
GROSS HP ----------112 @ 3700 RPM
GROSS TORQUE ----------200 ft lb @ 2000 RPM
FENDERS ---------- 3604 Front and Rear; 3603 *Front only*
FRAME ---- Ladder type with 5 cross members, channel side rails 5-27/32 x 2-1/4 x 3/16; section modulus 3.25 in^3
FUEL TANK -----Back of seat in cab; 17-1/2 gals cap.
GENERATOR ----------40 amp maximum rate ●
LIGHTS ---------2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW ---- 3603 LH long adj bracket; 3604 LH short fixed bracket
RUNNING BOARDS ----------3604 Full length 3603 Short
SEAT ---------- Full width
SHOCK ABSORBERS ---- Front and rear; direct double acting 1-inch dia. piston
SPARE WHEEL CARRIER ---------Underslung at rear
SPRINGS ---------- Semi-elliptic
Front-8-leaf, 38 x 1-3/4; 1150 lb (ea) cap. at ground
Rear -------- Two-stage; 7-leaf, 46 x 2; 2000 lb (ea) capacity at ground
STEERING GEAR ------ Recirculating-ball type; 26.24 ratio; 18-inch dia. wheel
SUNSHADE ----------Adjustable; for driver
TIRES -------Front and Rear; 15-6pr; 1500 lb (ea) cap.
TOOLS ----------2500 lb capacity jack; jack handle; tire changing iron; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION ----- 3-Speed, Synchro-mesh; gearshift control mounted on steering column
VENTILATORS ----------Top of cowl and ventipanes
WHEELS ----------5; 15 x 5.50F
WINDSHIELD WIPERS ---------- Dual; cowl-mounted

OPTIONAL EQUIPMENT

For model application see Option Section

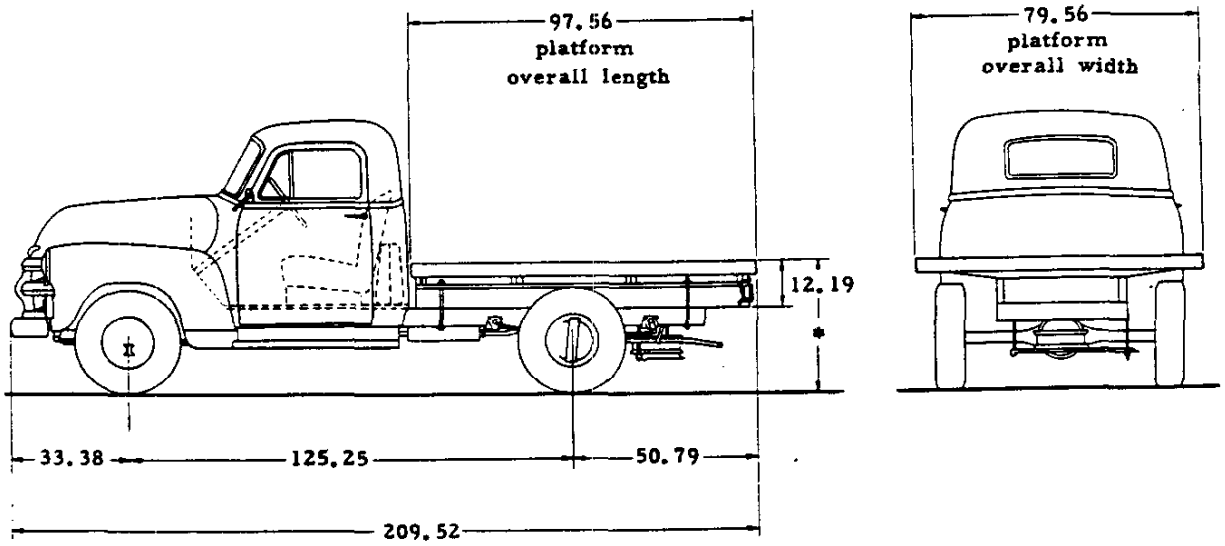
	Wt	Number	
AIR CLEANER: AC make; oil bath type			
1 pint capacity	*	216	
2 pint capacity	*	216	
AXLE, REAR: Single-Speed; full-floating; 5.14 ratio; 5000 lb capacity	*	208	
BUMPER EQUIPMENT, REAR	32R	218	
CHROME EQUIPMENT: Includes Radiator Grille, Front Bumper & Hub Caps	*	393	x
CLUTCH, HEAVY DUTY	*	227	
COLORS, VEHICLE, Solid	*	234	
Two-tone	*	438	♦
CORNER WINDOWS, CAB: Clear or tinted	*	387	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
DELUXE EQUIPMENT	*	430	v
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp	13F	326	
45 amp	*	326	
50 amp	13F	326	
55 amp	32F	326	
55 amp, low cut-in	32F	326	
GLASS EQUIPMENT, BODY: Tinted	*	399	
GOVERNOR: Range 2300-3200 RPM	*	241	
MIRROR, REAR VIEW: 3603, long RH, short RH or LH; *3604, long RH or LH, short RH*	*	210	
OIL FILTER: AC make			
1 quart capacity	8F	237	
2 quart capacity	15F	237	
RADIATOR, HEAVY DUTY:			
17 quart capacity	*	256	
RUNNING BOARDS (long) AND REAR FENDERS (3603 only)	72R	207	
SEAT EQUIPMENT: Unison	*	264	
SHOCK ABSORBER SHIELDS, REAR	*	211	
SIDE DOOR and WHEEL CARRIER LOCK	*	395	
SPARE WHEEL CARRIER:			
Side mounted (3604 only)	*	341	*
SPRINGS, REAR:			
Included in tire RPOs 272 and 282; 8-leaf; two-stage; 2500 lb (ea) capacity at ground			
TIRES, MAXIMUM:			
Front and single rear; 7.50-17-8pr; 2100 lb (ea) capacity (Spring weight included)	45F, 71R	272	
Front and dual rear (3603 only) 6.50-16-6pr; 1215 lb (ea) capacity (Spring weight included)	25F, 165R	282	
TRANSMISSION:			
3-Speed Heavy Duty	13F, 4R	316	
Automatic 4-Speed without oil cooler	110F, 30R	314	
4-Speed, Synchro-mesh; Power-take-off opening on left side	53F, 21R	318	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WINDSHIELD WIPERS:			
Dual, Electric	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised; 12-18-53; 5-1-54, ●-New Generator. x-RPO added. ♦-RPO 438 added.
v-RPO number changed. *-Data corrected.

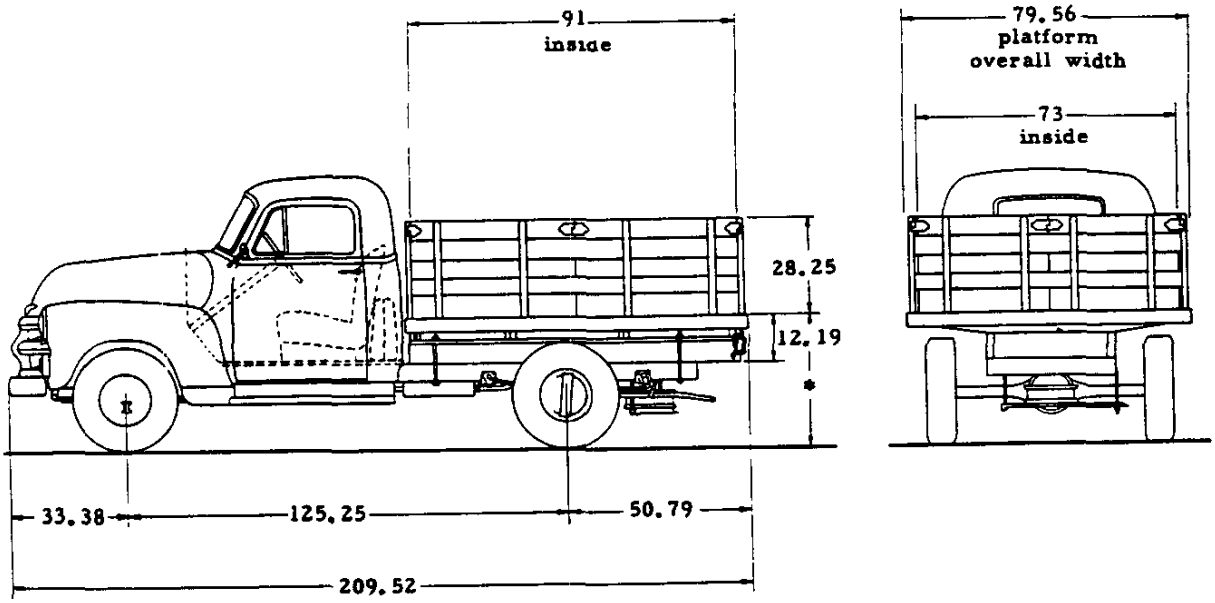
CHASSIS AND BODY DIMENSIONS

Model 3608 Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	35.34	39.18	15-6pr	15-6pr
Minimum for Max GVW	35.75	39.50	6.50-16-6pr	6.50-16-6pr dual

Model 3609 Stake Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	35.34	38.70	15-6pr	15-6pr
Minimum for Max GVW	35.75	39.13	6.50-16-6pr	6.50-16-6pr dual

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
3608 •	1920	1630	3550	1995	1735	3730	2600	0%	100%	97.56
3609 •	1935	1790	3725	2010	1895	3905	2450	0%	100%	91.00

11-28-53. Revised: 5-1-54, •-Production weights replaces estimated weights.

MODEL 3608 MEDIUM DUTY PLATFORM TRUCK
MODEL 3609 MEDIUM DUTY STAKE TRUCK

3/4 TON NOMINAL RATING --- 125-1/4 WHEELBASE --- 6900 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam type; 2500 lb capacity
AXLE, REAR ----- Full-floating type; 5000 lb capacity; hypoid gears; 4.57 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY--Nominal 8-foot wood platform body with steel skid strips. Entire platform is bound by a steel channel-type rub rail with stake pockets integrally formed. Steel cross sills and full length wood side rails.
In addition to the above, Model 3609 has a 28-1/4 high stake rack.
BRAKES
PARKING ---------- Foot-operated on rear wheels; 93 sq. in. area
SERVICE ------- Hydraulic type; 4-wheel; 186 sq. in.
FRONT ---------- 12 x 2; 93 sq. in. area
REAR ---------- 12 x 2; 93 sq. in. area
BUMPER, FRONT ------- Curved, spring type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH ---Diaphragm spring, single disc type; 10 dia. 100.53 sq. in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 16 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ----------Thriftmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ----- Ladder type with 5 cross members, channel side rails 5-27/32 x 2-1/4 x 3/16; section modulus 3.25 in.^{3}
FUEL TANK -------Back of seat in cab; 17-1/2 gal cap.
GENERATOR ---------- 40 amp maximum rate •
LIGHTS ---------- 2 Head, 2 Parking, and 1 Tail and Stop
MIRROR, REAR VIEW -----LH; long adjustable bracket
RUNNING BOARDS ---------- Short
SEAT ----------Full width
SHOCK ABSORBERS ---Front and rear; direct double-acting 1-inch diameter piston
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
FRONT ---------- Semi-elliptic; 8-leaf, 38 x 1-3/4; 1150 lb (ea) capacity at ground
REAR ------ Semi-elliptic; two-stage; 7-leaf, 46 x 2; 2000 lb (ea) capacity at ground
STEERING GEAR -------Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
SUNSHADE ---------- Adjustable for driver
TIRES ---------- Front and single rear; 15-6pr; 1500 lb (ea) capacity
TOOLS ---------- 2500 lb capacity jack; jack handle; tire changing iron; wheel wrench
TOOL BOX ----------Under seat; 50 x 19 x 6
TRANSMISSION 3-Speed, Synchro-mesh; gearshift control mounted on steering column
VENTILATORS ----------Top of cowl and ventipanes
WHEELS ---------- 5; 15 x 5.50F
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

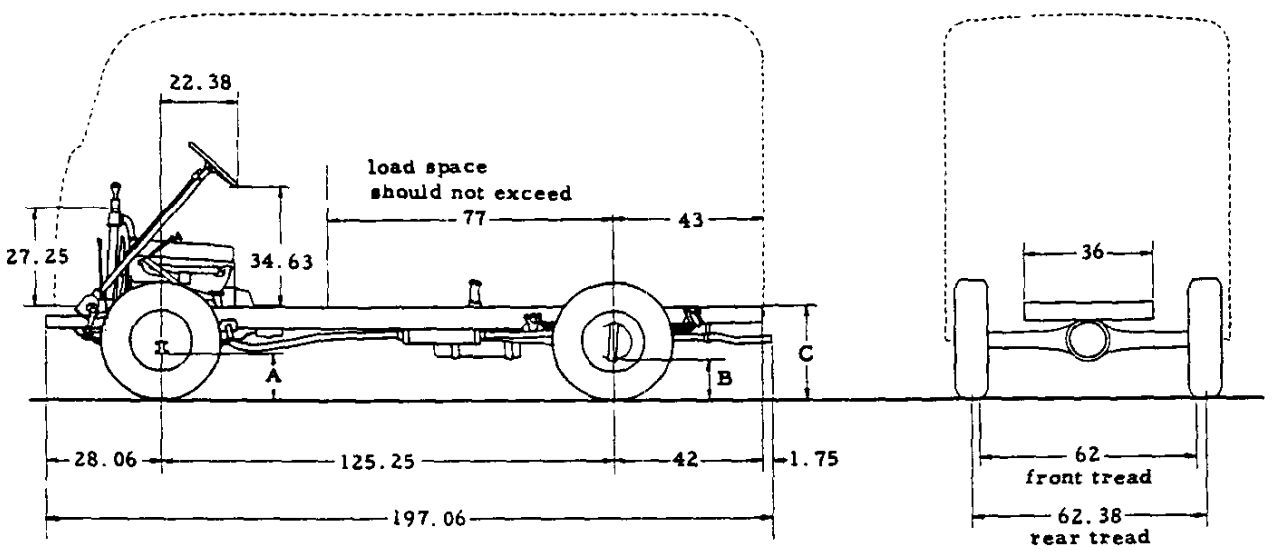
	Wt	Number	
AIR CLEANER: AC make, oil bath type			
1 pint capacity	*	216	
2 pint capacity	*	216	
AXLE, REAR: Single-speed; full-floating; 5.14 ratio; 5000 lb capacity	*	208	
BODY EQUIPMENT:			
Platform (for 7.00-17 tires)	25R	230	
CHROME EQUIPMENT: Includes Radiator Grille, Front Bumper & Hub Caps	*	393	x
CLUTCH, HEAVY DUTY	*	227	
COLORS, VEHICLE, Solid	*	234	
Two-tone	*	438	◆
CORNER WINDOWS, CAB	*	387	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaners	*	217	
DELUXE EQUIPMENT	*	430	▼
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp	13F	326	
45 amp	*	326	
50 amp	13F	326	
55 amp	32F	326	
55 amp, Low cut-in	32F	326	
GLASS EQUIPMENT, BODY: Tinted	*	399	
GOVERNOR:			
Range 2300-3200 RPM	*	241	
MIRROR, REAR VIEW:			
Long, RH	*	210	
OIL FILTER: AC make			
1 quart capacity	8F	237	
2 quart capacity	15F	237	
RADIATOR, HEAVY DUTY:			
17 quart capacity	*	256	
SEAT EQUIPMENT: Unison	*	264	
SHOCK ABSORBER SHIELDS, REAR	*	211	
SIDE DOOR KEY LOCK, LH	*	395	
SPRINGS, REAR			
Included in tire RPO 282; 8-leaf; two-stage; 2500 lb (ea) capacity at ground			
TIRES MAXIMUM			
Front and dual rear; 6.50-16-6pr; 1215 lb (ea) capacity (Spring weight included)	25F, 165R	282	
TRANSMISSION:			
3-Speed Heavy Duty	13F, 4R	316	
Automatic 4-Speed without oil cooler	110F, 30R	314	
4-Speed, Synchro-mesh; Power take-off opening on left side	53F, 21R	318	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WINDSHIELD WIPERS:			
Dual, Electric	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised: 12-18-53, 5-1-54. •-New Generator. x-RPO added. ◆-RPO 438 added. ▼-RPO number changed.

CHASSIS AND BODY DIMENSIONS

Model 3742 Forward Control Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	8.63	7.75	28.18
Minimum for Max GVW	10.00	9.13	29.70

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for Max GVW 7.00-17-6pr front and 7.00-17-8pr rear.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
3742 e	1540	925	2465	1530	1145	2675	4250	Determined by style, length and weight of body.		

11-28-53. Revised: 5-1-54, e-Production weights replaces estimated weights.

MODEL 3742 MEDIUM DUTY FORWARD CONTROL CHASSIS

3/4 TON NOMINAL RATING --- 125-1/4 WHEELBASE --- 7000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER---------- AC make; oil-wetted type
AXLE, FRONT----------I-beam type; 4000 lb capacity●
AXLE, REAR --- Full-floating type; 5000 lb capacity
Hypoid gears; 5.14 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
PARKING--------- Foot-operated on rear wheels; 93 sq. in. area
SERVICE---- Hydraulic type; 4-wheel; 186 sq. in.
FRONT ---------- 12 x 2; 93 sq. in. area
REAR ---------- 12 x 2; 93 sq. in. area
CARBURETOR ---------- Carter; up draft
CLUTCH--Diaphragm spring; single disc type; 11 dia 123.7 sq. in. area; 282 ft lb capacity
COOLING SYSTEM----- Cellular radiator core, 4 lb press. cap. 407 sq.in. frontal area, 16 quart capacity
CRANKCASE VENTILATION ------ Vacuum-operated; closed system
DRIVE SYSTEM ---------- Hotchkiss
ENGINE---------- Loadmaster; 235.5 cu. in. displ
GROSS HORSEPOWER----------110 @ 3600 RPM x
GROSS TORQUE ---------- 192 ft lb @ 2000 RPM
FRAME---- Ladder type with 5 cross members channel side rails 5-27/32 x 2-1/4 x 3/16; section modulus 3.25 in.^{3}
FUEL TANK ------- Outside of frame on right side; 16 gallon capacity
GENERATOR----------40 amp maximum rate◆
LIGHTS ---------- 2 head, 2 parking, and 1 tail and stop
RIDE STABILIZER ---------- Frame to front axle
SHOCK ABSORBERS -------- Front and rear; direct double-acting; 1-inch dia piston
SPRINGS
FRONT ---------- Semi-elliptic; 8-leaf, 40 x 2; 1740 lb (ea) capacity
REAR ---------- Semi-elliptic; 8-leaf, 46 x 2; 2250 lb (ea) capacity at ground
STARTER---------- Solenoid, push-button operated
STEERING GEAR ---------- Recirculating-ball type; 19.8 ratio; 18-inch dia wheel
TIRES ---------- Front and single rear; 15-6pr; 1500 lb (ea) capacity
TOOLS --------- 2500 lb capacity jack; jack handle; tire changing iron; wheel wrench
TRANSMISSION---3-Speed, Synchro-mesh; gearshift control mounted on steering column
WHEELS ---------- 4; 15 x 5.50 F

OPTIONAL EQUIPMENT

For model application see Option Section

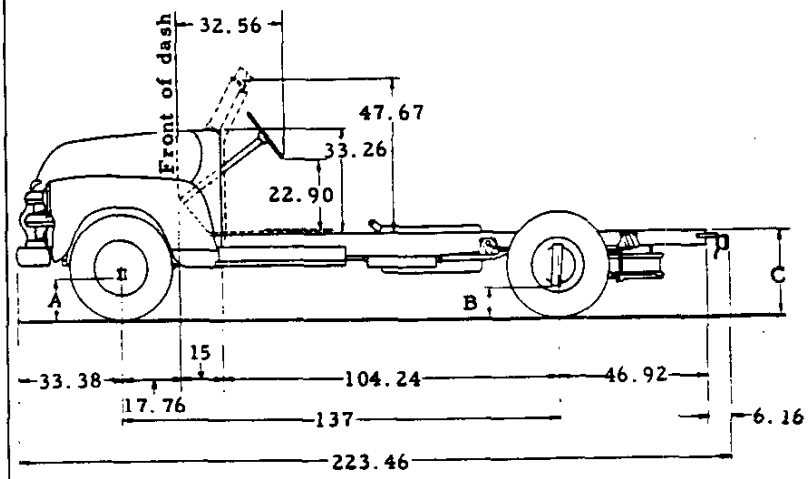
	Wt	Number
AIR CLEANER: AC make; oil bath type 1 pint capacity	*	216
BUMPER, FRONT: Rigid channel type; painted	74F	367
CARRIER AND SPARE WHEEL:		
For 15 in. tires	51R	384
For 17 in. tires	59R	384
GENERATOR: With voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	*	326
SHOCK ABSORBER SHIELDS, REAR	*	211
TIRES, MAXIMUM:		
Front and rear; 7.50-17-8pr; 2100 lb (ea) capacity	45F,47R	272
TRANSMISSION:		
3-Speed, heavy duty	13F,4R	316
Automatic 4-Speed without oil cooler	110F,30R	314
4-Speed, Synchro-mesh; power take-off opening on left side	53F,18R	318
VACUUM BOOSTER AND FUEL PUMP	*	340

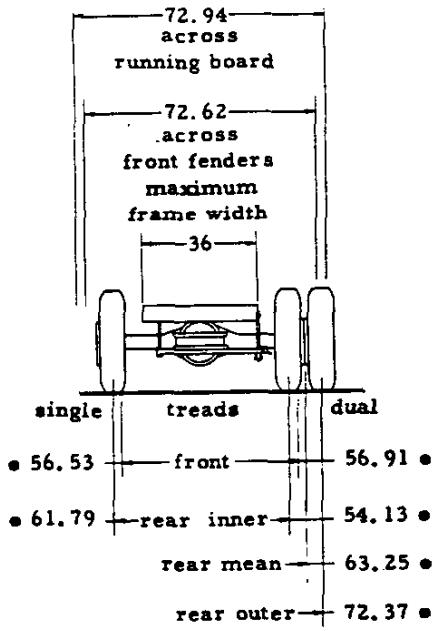
* - Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, ●-Capacity increased. x-Data corrected. ◆-New Generator.

CHASSIS AND BODY DIMENSIONS

Model 3802 Flat Face Cowl Chassis
Model 3812 Windshield Chassis





Equipment	Height Without Body and Payload		
	A	B	C
Standard	10.31	9.10	31.41
Minimum for Max GVW	10.81	9.68	31.75

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.00-18-8pr front and 7.00-18-8pr dual rr.

Model 3802 Junior School Bus Chassis

Equipment	Height Without Body and Payload		
	A	B	C
Model 3802, with RPO 329	10.75	9.50	30.68

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-17-8pr front and 7.50-17-10 pr rear

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
3802 x	1870	1135	3005	1925	1270	3195	5300	Determined by style, length and weight of body		
3812 ⊕	1955	1145	3100	2010	1280	3290	5200			
3802 ↓ x	1881	1181	3062	1936	1316	3252	4300			

⊕-Estimated weight. ↓-Junior School Bus Chassis, Model 3802 with RPO 329.

11-28-53. Revised: 5-1-54, e-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 3802 MEDIUM DUTY FLAT FACE COWL CHASSIS
MODEL 3812 MEDIUM DUTY WINDSHIELD COWL CHASSIS

1 TON NOMINAL RATING --- 137 WHEELBASE --- 8800 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER---------- AC make, oil-wetted type
AXLE, FRONT----------I-beam type; 3500 lb capacity
AXLE, REAR ----- Full-floating type; 7200 lb capacity; hypoid gears; 5.14 ratio
BATTERY---------- 15 plate; 100 amp hr capacity
BRAKES
PARKING---------- *Foot-operated on rear wheels;* 137 sq.in. area
SERVICE--------Hydraulic type; 4-wheel; 230 sq.in.
FRONT ---------- 12 x 2; 93 sq.in. area
REAR ---------- 14 x 2-1/2; 137 sq.in. area
BUMPER, FRONT---------- Curved, spring type; painted
CLUTCH ---Diaphragm spring; single disc type; 10 dia; 100.53 sq.in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Cellular radiator core, 4 lb press. cap; 407 sq.in. frontal area; 17 quart capacity
DISPATCH BOX -- 3802 ------ 13-7/8 x 4-3/4 x 8-1/4 •
3812------- 13-1/2 x 5-1/2 x 8-1/2
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ----------Thriftmaster; 235.5 cu.in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS---------- Front only
FRAME ---------- Ladder type with 5 cross members, channel side rails 7 x 2-3/4 x 7/32; section modulus 5.52 in.^{3}
FUEL TANK ----------Inside of frame on right side; 18 gallon capacity
GENERATOR ---------- 40 amp maximum rate x
LIGHTS ------- 2 Head, 2 Parking, and 1 Tail and Stop
RUNNING BOARDS ---------- Short
SEAT RISER ----------3812 only
SHOCK ABSORBERS ------ Front; direct double-acting; 1-inch dia piston
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
FRONT---- Semi-elliptic; 7-leaf, 40 x 2; 1740 lb (ea) capacity at ground
REAR ------ Semi-elliptic; two-stage; 8-leaf, 46 x 2; 2500 lb (ea) capacity at ground
STEERING GEAR -------Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
TIRES
FRONT ---------- 7.00-17-6pr; 1575 lb (ea) capacity
REAR ---------- 7.00-17-8pr; 1775 lb (ea) cap.
TOOLS ---------- 3000 lb capacity jack; jack handle; tire changing iron; wheel wrench
TOOL BOX (3812 only)----------50 x 19 x 2-3/8 ▼
TRANSMISSION- 4-Speed, Synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATOR ---------- Top of cowl
WHEELS ---------- 5; wide-base rim; 17 x 5.0
WINDSHIELD WIPERS ---------- 3812 only; Dual, cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

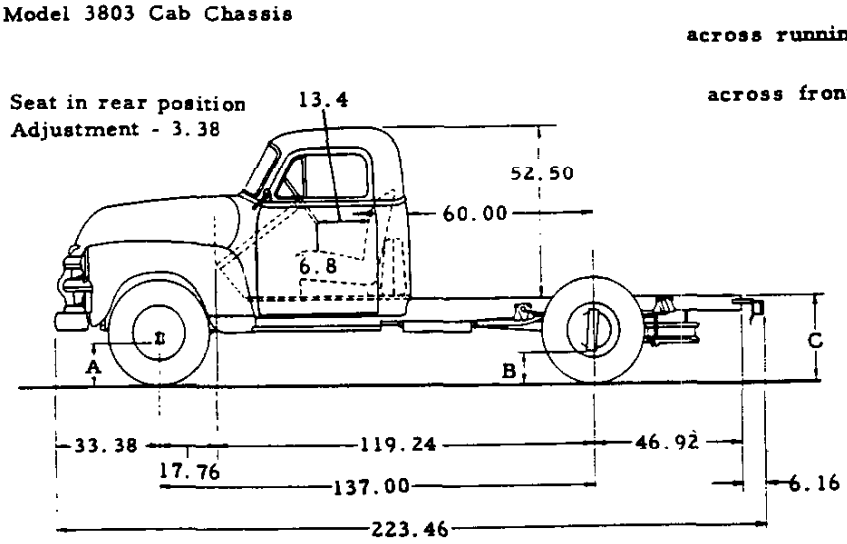
	Wt	Number	
AIR CLEANER: AC make; oil bath type			
1 pint capacity	*	216	
2 pint capacity	*	216	
CHROME EQUIPMENT: Includes Radiator Grille, Front Bumper & Hub Caps	*	393	♦
CLUTCH, HEAVY DUTY	*	227	
COLORS, VEHICLE, Solid	*	234	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp-14F		326	
45 amp *		326	
50 amp 14F		326	
55 amp 32F		326	
55 amp, Low cut-in 28F		326	
GOVERNOR: Range 2300-3200 RPM	*	241	▼
OIL FILTER: AC make			
1 quart capacity-8F		237	
2 quart capacity-15F		237	
PARKING BRAKE: Prop Shaft, Single or Dual Wheels	*	214	
RADIATOR, HEAVY DUTY: 18 qt capacity	*	256	
RUNNING BOARDS (Long) & REAR FENDERS: When equip with sgle rear tires -78R		207	
SCHOOL BUS EQUIPMENT (3802, running boards removed) 7.50-17-8pr or 7.50-17-10pr tires on front; 7.50-17-10pr on rear; 9-leaf springs on rear-25F, 36R		329	
SHOCK ABSORBERS, REAR: Direct double-acting; 1-3/8 dia piston-18R		200	
SHOCK ABSORBER SHIELDS, REAR	*	211	
SPRINGS, REAR AND AUXILIARY: (Not used on 3802 school bus) Main -- 8-leaf, two-stage; auxiliary 3-leaf; capacity at ground (main and auxiliary) --- 3675 lb (ea)- 45R		267	
STARTER, SOLENOID (3802 only)	*	327	
TIRES, MAXIMUM: Front and dual rear, (Not used on 3802 school bus) 7.00-18-8pr; 1850 lb (ea) capacity; RPO 267 mandatory- 45F, 215R		295	
TRANSMISSION: 3-Speed Heavy Duty-Minus 39F, 10R		316	
Automatic 4-Speed with oil cooler-54F, 13R		314	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WINDSHIELD WIPERS Dual, Electric (3812 only)	*	320	

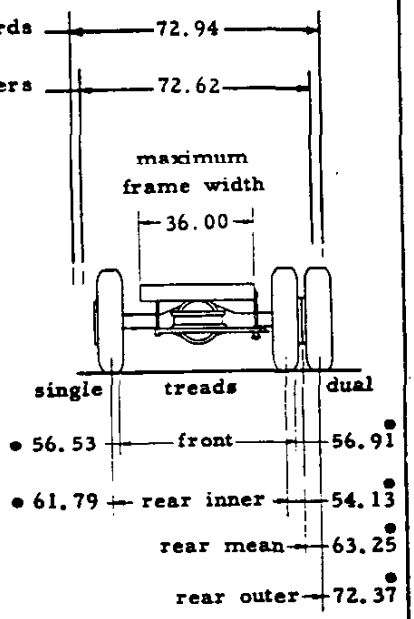
*-Weight is less than 10 pounds.

11-28-53. Revised: 5-1-54. •-Data added. x-New Generator. ♦-RPO added. ▼-Data corrected.

CHASSIS AND BODY DIMENSIONS

Model 3803 Cab Chassis

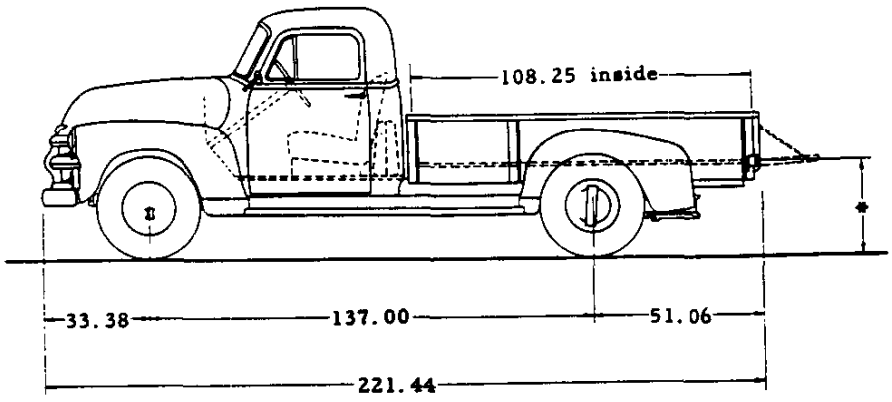


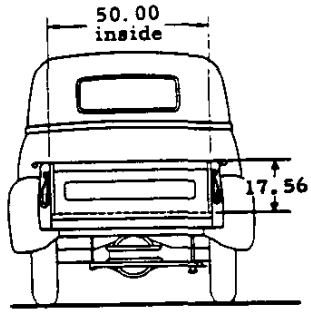


Equipment	Height Without Body and Payload		
	A	B	C
Standard	10.25	9.06	31.25
Minimum for Max GVW	10.75	9.66	31.91

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for Max GVW is 7.00-18-8pr front and 7.00-18-8pr dual rr.

Model 3804 Pickup Truck





Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	29.85	33.70	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	29.00	33.90	7.00-17-6pr	7.50-17-8pr

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and/ or Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
3803 x	2125	1310	3435	2205	1415	3620	4900	7%	93%	96
								5%	95%	102
								1%	99%	108
3804 x	2160	1705	3865	2240	1810	4050	2900	4%	96%	108.25

11-28-53. Revised: 5-1-54, e-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 3803 MEDIUM DUTY CAB CHASSIS
MODEL 3804 MEDIUM DUTY PICKUP TRUCK

1 TON NOMINAL RATING---137 WHEELBASE---8800 (3803), 7000 (3804) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam type; 3500 lb capacity
AXLE, REAR ----- Full-floating type; 7200 lb capacity; Hypoid gears; 5.14 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY
3804 -------- Nominal 9-foot welded steel pickup box with wood floor and steel skid strips
BRAKES
PARKING-Foot-operated on rr wheels; 137 sq. in. area
SERVICE ------ Hydraulic type; 4-wheel; 230 sq. in.
FRONT ---------- 12 x 2; 93 sq. in. area
REAR ---------- 14 x 2-1/2; 137 sq. in. area
BUMPER, FRONT -------- Curved, spring type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH ---Diaphragm spring; single disc type; 10 dia; 100.53 sq. in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Cellular radiator core; 407 sq. in. frontal area; 4 lb pressure cap; 16 qt capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- 3804 Front and rear; 3803 Front only
FRAME ---------- Ladder type with 5 cross members, channel side rails 7 x 2-3/4 x 7/32; section modulus 5.52 in.^{3}
FUEL TANK -- Back of seat in cab; 17-1/2 gal capacity
GENERATOR ---------- 40 amp maximum rated
LIGHTS --------- 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW
3803 ---------- LH; long adjustable bracket
3804 ---------- LH; short fixed bracket
RUNNING BOARDS
3803 ---------- Short
3804 ---------- Full length
SEAT ---------- Full width
SHOCK ABSORBERS ------- Front only; direct double-acting; 1-inch dia piston
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS ---------- Semi-elliptic
FRONT-7-leaf, 40 x 2; 1740 lb (ea) capacity of ground
REAR ---------- Two-stage; 8-leaf; 46 x 2; 2500 lb (ea) capacity at ground
STEERING GEAR ------- Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES
FRONT ---------- 7.00-17-6 pr; 1575 lb (ea) capacity
SINGLE REAR ------- 7.00-17-8 pr; 1775 lb (ea) cap.
TOOLS ---------- 3000 lb capacity jack; jack handle; tire changing iron; wheel wrench
TOOL BOX ---------- Under seat, 50 x 19 x 6 *
TRANSMISSION --- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS ---------- Top of cowl, and ventipanes
WHEELS ---------- 5; wide-base rim: 17 x 5.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

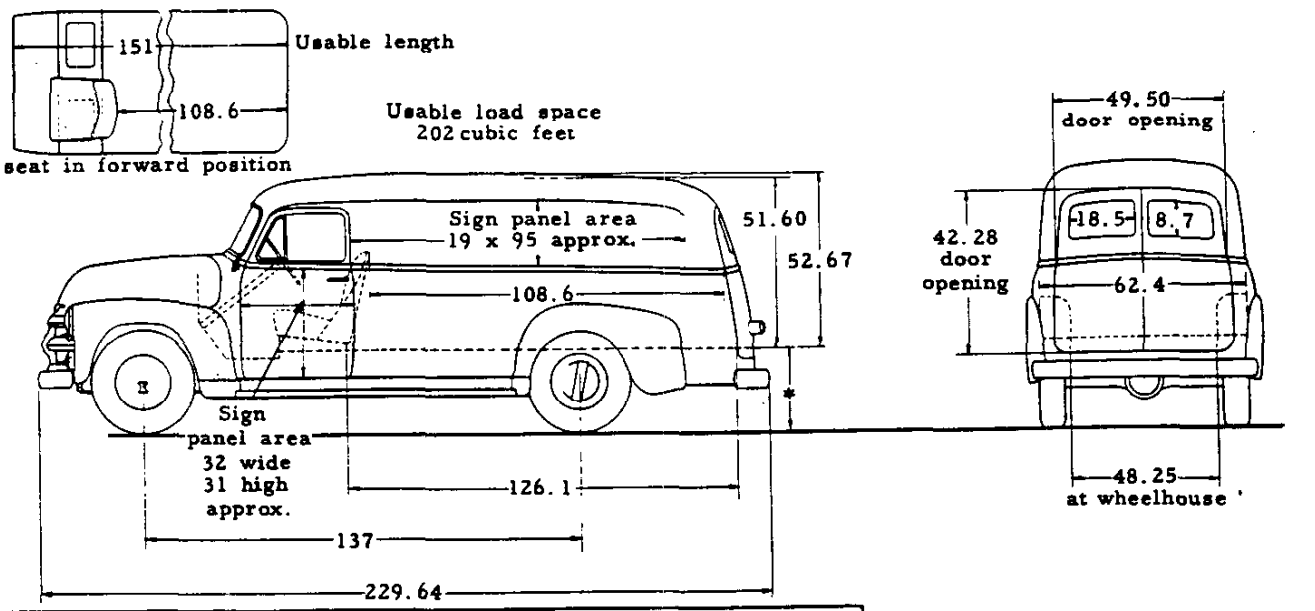
	Wt	Number	
AIR CLEANER: AC make, oil bath type			
1 pint capacity	*	216	
2 pint capacity	*	216	
BUMPER, REAR: (3804 only)	32R	218	
CHROME EQUIPMENT: Includes Radiator Grille, Front Bumper, & Hub Caps	*	393	x
CLUTCH, HEAVY DUTY	*	227	
COLORS, VEHICLE, Solid	*	234	
Two-tone	*	438	♦
CORNER WINDOWS, CAB: Clear or Tinted	*	387	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
DELUXE EQUIPMENT	*	431	▼
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp	14F	326	
45 amp	*	326	
50 amp	14F	326	
55 amp	32F	326	
55 amp, low cut-in	28F	326	
GLASS EQUIPMENT: Tinted	*	399	
GOVERNOR: Range 2300-3200 RPM	*	241	●
MIRROR, REAR VIEW:			
3803-Long, RH; short, RH or LH	*	210	
3804-Long, RH or LH; Short, RH	*	210	
OIL FILTER: AC make			
1 quart capacity	8F	237	
2 quart capacity	15F	237	
RADIATOR, HEAVY DUTY: 18 qt cap.	*	256	
RUNNING BOARDS (long) AND REAR FENDERS (3803 only)---When equipped with single rear tires	78R	207	
SEAT EQUIPMENT: Unison	*	264	
SIDE DOOR, LH, and WHEEL CARRIER LOCK EQUIPMENT	*	395	
SHOCK ABSORBERS, REAR:			
Direct double-acting; 1-3/8 dia piston-18R		200	
SHOCK ABSORBERS SHIELDS, REAR	*	211	
SPRINGS, REAR AND AUXILIARY:			
Main -- 8-leaf, two-stage;			
Auxiliary -- 3-leaf, cap. at ground (main and auxiliary) -- 3675 lb (ea)	45R	267	
TIRES, MAXIMUM:			
3803 -- Front and Dual rear, 7.00-18-8pr; 1850 lb (ea) capacity	42F, 215R	295	
3804 -- Front and Single rear, 7.50-17-8pr; 2100 lb (ea) cap.	18R, 11R	272	
TRANSMISSION:			
3-Speed, Heavy Duty	Minus 39F, 10R	316	
Automatic 4-Speed with oil cooler	54F, 13R	314	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WHEEL CARRIER EQUIPMENT: (Side Mounted) 3804 only	*	341	
WINDSHIELD WIPERS: Dual, Electric	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, ●-New Generator. x-RPO added. ♦-RPO 438 added.
▼-RPO number changed. *-Data corrected.

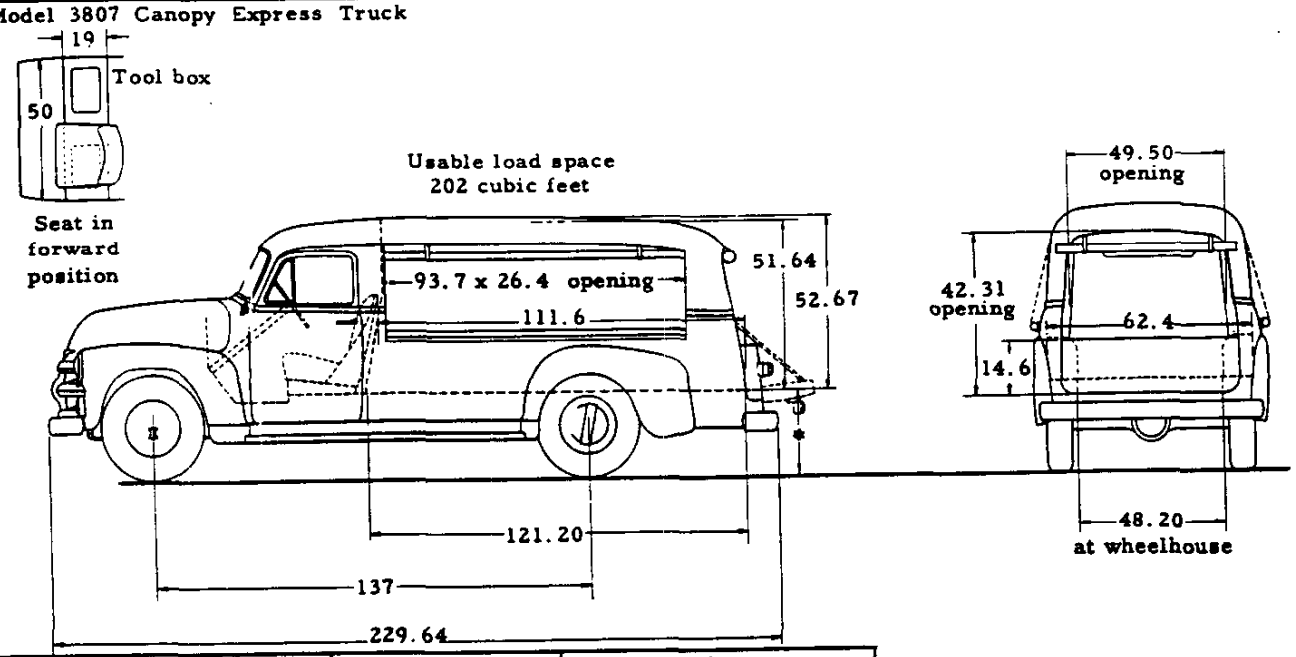
CHASSIS AND BODY DIMENSIONS

Model 3805 Panel Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	30.25	33.75	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	29.00	33.75	7.00-17-6pr	7.50-17-8pr

Model 3807 Canopy Express Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	30.25	34.00	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	29.50	34.25	7.00-17-6pr	7.50-17-8pr

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MAXIMUM EQUIPMENT FOR MAXIMUM GVW		
	Shipping			Curb			Payload	Payload Distribution	
	Front	Rear	Total	Front	Rear	Total		Front	Rear
3805 ●	2080	2090	4170	2135	2225	4360	2650	9%	91%
3807 ⊖	2115	2015	4130	2170	2150	4320	2700	7%	93%

⊖-Estimated Weight

11-28-53. Revised: 5-1-54, ●-Production weights replaces estimated weights.

MODEL 3805 MEDIUM DUTY PANEL TRUCK
MODEL 3807 MEDIUM DUTY CANOPY EXPRESS TRUCK

1 TON NOMINAL RATING --- 137 WHEELBASE --- 7000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER---------- AC make, oil-wetted type
AXLE, FRONT--------- 1-beam type, 3500 lb capacity
AXLE, REAR ----- Full-floating type; 7200 lb capacity; hypoid gears; 5.14 ratio
BATTERY----------15 plate; 100 amp hr capacity
BODY
PANEL ----- All steel panel with plywood floor and steel skid strips. Two rear doors for full width opening at rear.
CANOPY EXPRESS --- All-steel with plywood floor and steel skid strips. Tail gate in rear. Weatherproof curtains for load compartment, side and rear openings. Sheet metal partition with window between driver compartment and load space.
BRAKES
PARKING ---------- Foot-operated on rear wheels; 137 sq.in. area
SERVICE ------- Hydraulic type; 4-wheel; 230 sq.in.
FRONT---------- 12 x 2; 93 sq.in. area
REAR ---------- 14 x 2-1/2; 137 sq.in. area
BUMPER ---------- Curved, spring type; painted
CLUTCH--- Diaphragm spring; single disc type; 10 dia; 100.53 sq.in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM------Cellular radiator core, 4 lb press. cap; 407 sq.in. frontal area; 17 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT------- Above driver on centerline of car
DRIVE SYSTEM---------- Hotchkiss
ENGINE ----------Thriftmaster; 235.5 cu.in. displ
GROSS HP----------112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS----------Front and Rear
FRAME ---------Ladder type with 5 cross members, channel side rails 7 x 2-3/4 x 7/32; section modulus 5.52 in.^{3}
FUEL TANK ------Inside of frame on right; 18 gal cap.
GENERATOR----------40 amp maximum rate •
LIGHTS ---------- 2 Head, 2 Parking, and 1 Tail and Stop
MIRROR, REAR VIEW-------- LH; short fixed bracket
RUNNING BOARDS ---------- Full length
SEAT---------- Bucket type; driver only
SHOCK ABSORBERS -------Front only; direct double-acting, 1-inch dia piston
SPARE WHEEL CARRIER ---------Underslung at rear
SPRINGS
FRONT---------- Semi-elliptic; 7-leaf, 40 x 2 1740 lb (ea) capacity at ground
REAR ----- Semi-elliptic; two-stage, 8-leaf, 46 x 2; 2500 lb (ea) capacity at ground
STEERING GEAR -------Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
SUNSHADE ----------Adjustable; for driver
TIRES
FRONT---------- 7.00-17-6pr; 1575 lb (ea) cap.
REAR, SINGLE ------ 7.00-17-8pr; 1775 lb (ea) cap.
TOOLS ----------3000 lb capacity jack; jack handle; tire changing iron; wheel wrench
TOOL BOX---------- Under seat; 50 x 19 x 2-3/8 •
TRANSMISSION----4-Speed, Synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS---------- Top of cowl and ventipanes
WHEELS ---------- 5; wide-base rim; 17 x 5.0
WINDSHIELD WIPERS---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

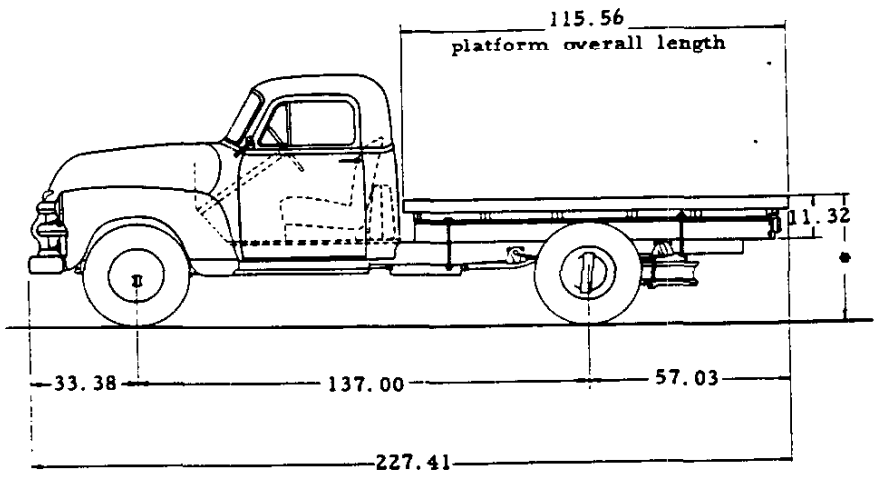
	Wt	Number		
AIR CLEANER: AC make, oil bath type				
1 pint capacity	*	216		
2 pint capacity	*	216		
CHROME EQUIPMENT: Includes Radiator Grille, Front Bumper & Hub Caps	*	393	x	
CLUTCH, HEAVY DUTY	*	227		
COLORS, VEHICLE, Solid	*	234		
Two-tone	*	439	•	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217		
DELUXE EQUIPMENT	*	430	v	
GENERATOR: Including voltage current regulator, and pulley for high output				
40 amp	14F	326		
45 amp	*	326		
50 amp	14F	326		
55 amp	32F	326		
55 amp, Low cut-in	28F	326		
GLASS EQUIPMENT: (Tinted)	*	399		
GOVERNOR: Range 2300-3200 RPM	*	241	*	
LAMPS, DUAL TAIL AND STOP	*	249		
MIRROR, REAR VIEW: Short, RH	*	210		
OIL FILTER: AC make				
1 quart capacity	8F	237		
2 quart capacity	15F	237		
RADIATOR, HEAVY DUTY:				
18 quart capacity	*	256		
SEAT, AUXILIARY:				
Imitation leather	24F, 19R	263		
SHOCK ABSORBERS, REAR: Direct double acting; 1-3/8 diameter piston	18R	200		
SHOCK ABSORBER SHIELDS, REAR	*	211		
SIDE DOOR KEY LOCK, LH	*	395		
SPRINGS, REAR AND AUXILIARY:				
Main -- 8-leaf, two-stage				
Auxiliary -- 3-leaf				
Capacity at ground (Main and Auxiliary) -- 3675 lb (ea)	45R	267		
TIRES, MAXIMUM:				
Front and Single Rear, 7.50-17-8pr; 2100 lb (ea) capacity	18F, 11R	272		
TRANSMISSION:				
3-Speed, Heavy Duty------Minus	39F, 10R	316		
Automatic 4-Speed with oil cooler	54F, 13R	314		
VACUUM BOOSTER AND FUEL PUMP	*	340		
WINDSHIELD WIPERS				
Dual, Electric	*	320		

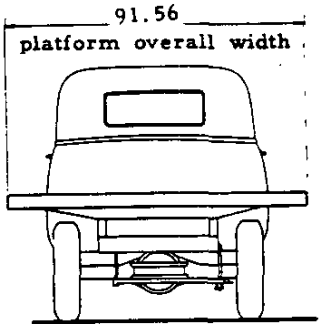
*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, •-New Generator. x-RPO added. ♦-RPO 439 added. v-RPO number changed. *-Data corrected.

CHASSIS AND BODY DIMENSIONS

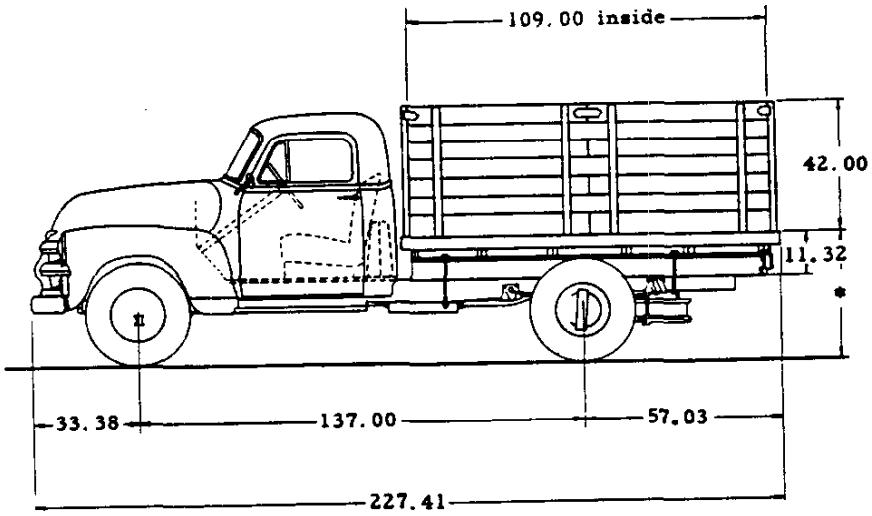
Model 3808 Platform Truck

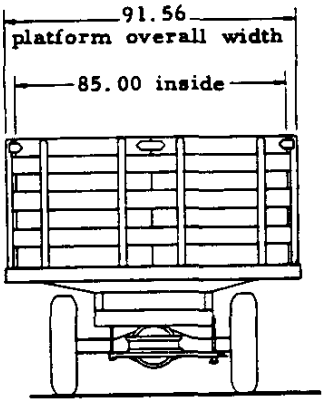




Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	37.92	41.85	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	37.53	42.50	7.00-18-8pr	7.00-18-8pr

Model 3809 Stake Truck





Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	37.92	41.52	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	37.53	41.90	7.00-18-8pr	7.00-18-8pr

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
3808 •	2130	1860	3990	2210	1965	4175	4350	0%	100%	115.56
3809 •	2150	2105	4255	2230	2210	4440	4100	1%	99%	109.00

11-28-53. Revised: 5-1-54, •-Production weights replaces estimated weights.

MODEL 3808 MEDIUM DUTY PLATFORM TRUCK
MODEL 3809 MEDIUM DUTY STAKE TRUCK

1 TON NOMINAL RATING --- 137 WHEELBASE --- 8800 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ------- I-beam type; 3500 lb capacity
AXLE, REAR ------- Full-floating; 7200 lb capacity; Hypoid gears; 5.14 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY-- Nominal 9-foot wood platform body with steel skid strips. Entire platform is bound by a steel channel-type rub rail with stake pockets integrally formed. Steel cross sills and full length wood side sills. 3809 is equipped with 42 high stake rack.
BRAKES
PARKING --------- Foot-operated on rear wheels; 137 sq. in. area
SERVICE ----- Hydraulic type; 4-wheel; 230 sq. in.
FRONT ---------- 12 x 2; 93 sq. in. area
REAR ---------- 14 x 2-1/2; 137 sq. in. area
BUMPER, FRONT ----- Curved, spring type; painted
CAB---------- All-steel; welded; flexibly mounted
CLUTCH--Diaphragm spring; single disc type; 10 dia; 100.53 sq. in. area; 238 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM --- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 17 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear windows
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type with 5 cross members, channel side rails 7 x 2-3/4 x 7/32; section modulus 5.52 in^3
FUEL TANK--- Back of seat in cab; 17-1/2 gal cap.
GENERATOR ---------- 40 amp maximum rate •
LIGHTS ----- 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW -- LH; long adjustable bracket
RUNNING BOARDS ---------- Short
SEAT ---------- Full width
SHOCK ABSORBERS ----- Front; direct double-acting; 1-inch diameter piston
SPARE WHEEL CARRIER ------- Underslung at rear
SPRINGS
FRONT ---------- Semi-elliptic; 7-leaf, 40 x 2; 1740 lb (ea) capacity at ground
REAR ----- Semi-elliptic; two-stage; 8-leaf, 46 x 2; 2500 lb (ea) capacity at ground
STEERING GEAR ---- Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES
FRONT -------- 7.00-17-6pr; 1575 lb (ea) capacity
SINGLE REAR ----- 7.00-17-8pr; 1775 lb (ea) cap.
TOOLS --------- 3000 lb capacity jack; jack handle; tire changing iron; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6 *
TRANSMISSION -- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 5; wide-base rim; 17 x 5.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

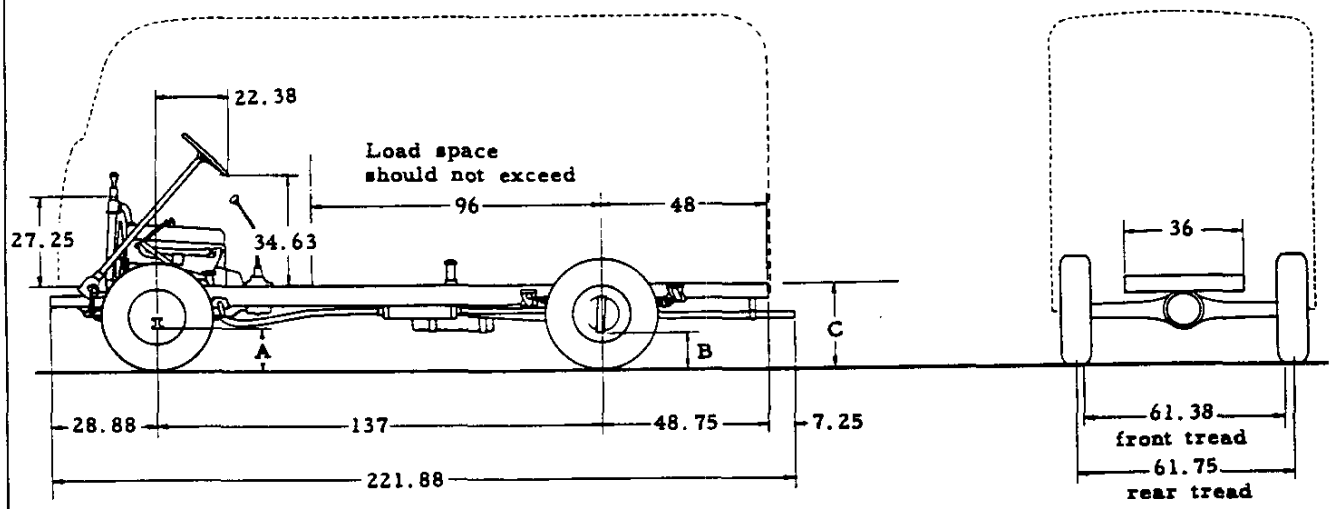
	Wt	Number		
AIR CLEANER: AC make, oil bath type				
1 pint capacity	*	216		
2 pint capacity	*	216		
CHROME EQUIPMENT: Includes Radiator Grille, Front Bumper & Hub Caps	*	393	x	
CLUTCH, HEAVY DUTY	*	227		
COLORS, VEHICLE, Solid	*	234		
Two-tone	*	438	◆	
CORNER WINDOWS, CAB: Clear or tinted	*	387		
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217		
DELUXE EQUIPMENT	*	431	▼	
GENERATOR: Including voltage and current regulator, and pulley for high output				
40 amp	14F	326		
45 amp	*	326		
50 amp	14F	326		
55 amp	32F	326		
55 amp, low cut-in	28F	326		
GLASS EQUIPMENT				
Tinted	*	399		
GOVERNOR: Range 2300-3200 RPM	*	241	•	
MIRROR, REAR VIEW:				
Long, RH	*	210		
OIL FILTER: AC make				
1 quart capacity	8F	237		
2 quart capacity	15F	237		
RADIATOR, HEAVY DUTY:				
18 quart capacity	*	256		
SEAT EQUIPMENT: Unison	*	264		
SHOCK ABSORBERS, REAR:				
Direct double-acting; 1-3/8 dia piston	18R	200		
SHOCK ABSORBER SHIELDS, REAR	*	211		
SIDE DOOR KEY LOCK, LH	*	395		
SPRINGS, REAR AND AUXILIARY:				
Main--8-leaf; two-stage Auxiliary--3-leaf; Capacity at Ground (Main and Auxiliary)--3675 lb (ea)	45R	267		
TIRES, MAXIMUM: Front and Dual Rear, 7.00-18-8pr; 1850 lb (ea) capacity; RPO 267 mandatory	42F, 215R	295		
TRANSMISSION:				
3-Speed Heavy Duty	Minus 39F, 10R	316		
Automatic 4-Speed with oil cooler	54F, 13R	314		
VACUUM BOOSTER AND FUEL PUMP	*	340		
WINDSHIELD WIPERS:				
Dual, Electric	*	320		

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, •-New Generator. x-RPO added. ◆-RPO 438 added.
▼-RPO number changed. *-Data corrected.

CHASSIS AND BODY DIMENSIONS

Model 3942 Forward Control Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	9.94	9.12	29.75
Minimum for Max GVW	10.44	9.68	30.00

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for Max GVW is 7.00-18-8pr front and 7.00-18-8pr dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
3942 e	1685	1040	2725	1695	1255	2950	6700	Determined by style, length and weight of body		

11-28-53. Revised: 5-1-54, e-Production weights replaces estimated weights.

MODEL 3942 MEDIUM DUTY FORWARD CONTROL CHASSIS

1-TON NOMINAL RATING --- 137 WHEELBASE ---10000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam type; ● 4000 lb cap.
AXLE, REAR -- Full-floating type; 7200 lb capacity; Hypoid gears; 5.14 ratio
BATTERY ---------- 100 amp hr capacity; 15 plate
BRAKES
PARKING ---------- Foot-operated on rear wheels; 137 sq. in. area
SERVICE ---- Hydraulic type; 4-wheel; 230 sq. in.
FRONT ---------- 12 x 2; 93 sq. in. area
REAR ---------- 14 x 2-1/2; 137 sq. in. area
CARBURETOR ---------- Carter; up draft
CLUTCH -------- Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COOLING SYSTEM ----- Cellular radiator core, 4 lb press. cap 407 sq.in. frontal area; 16 quart capacity
CRANKCASE VENTILATION ------ Vacuum-operated; closed system
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
GROSS HP ---------- 110 @ 3600 RPM x
GROSS TORQUE ---------- 192 ft lb @ 2000 RPM
FRAME --------- Ladder type with 5 cross members channel side rails 7 x 2-3/4 x 7/32; section modulus 5.52 in.^{3}
FUEL TANK - Outside of frame on right side; 16 gal cap.
GENERATOR ---------- 40 amp maximum rate ◆
LIGHTS ---------- 2 head, 2 parking, and 1 tail and stop
RIDE STABILIZER ---------- Frame to front axle
SHOCK ABSORBERS ---- Front only; direct, double-acting; 1-inch dia piston
SPRINGS
FRONT ---------- Semi-elliptic; 8-leaf, 40 x 2; 1740 lb (ea) capacity at ground
REAR ---------- Semi-elliptic; 8-leaf, 46.x 2; 2250 lb (ea) capacity at ground
STARTER ---------- Solenoid, push button operated
STEERING GEAR ------ Recirculating-ball type; 19.8 ratio; 18-inch dia wheel
TIRES ---------- Front and single rear; 7.00-17-6pr; 1575 lb (ea) capacity
TOOLS ---------- 3000 lb capacity jack; jack handle; tire changing iron; wheel wrench
TRANSMISSION --- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
WHEELS ---------- 4; wide-base rim; 17 x 5.0

OPTIONAL EQUIPMENT

For model application see Option Section

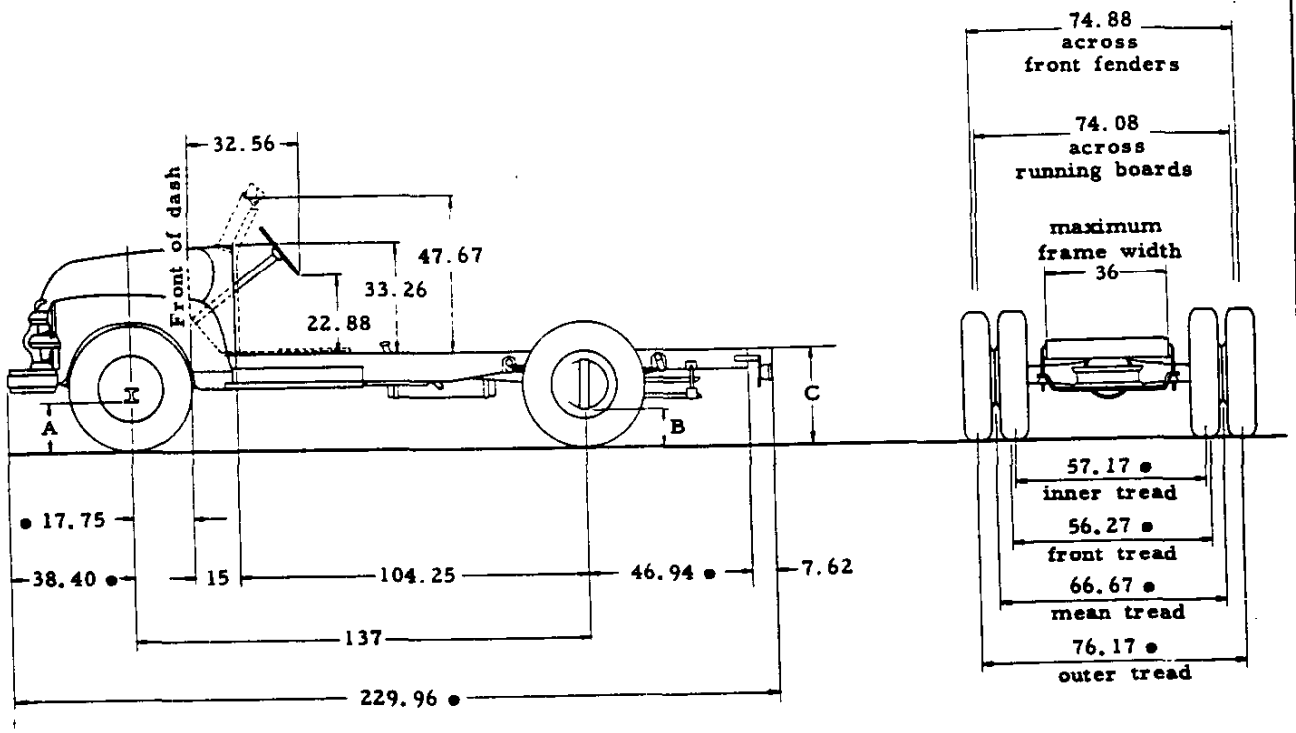
	Wt	Number
AIR CLEANER:		
AC make; oil bath type		
1 pint capacity	*	216
BUMPER, FRONT		
Rigid, channel-type; painted	74F	367
CARRIER AND SPARE WHEEL:		
For 17 diameter tires	55R	384
For 18 diameter tires	60R	384
GENERATOR:		
Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	*	326
PROPELLER SHAFT BRAKE:		
10 dia x 2-1/2 wide;		
35 sq.in. area	*	214
SHOCK ABSORBERS, REAR:		
Double-acting; lever type		
1-1/2 diameter piston	23R	200
Same as above plus rear stabilizer	28R	200
SPRINGS, REAR AND AUXILIARY:		
Main -- 8-leaf; two-stage		
Auxiliary -- 3-leaf;		
Capacity at ground (main and auxiliary) -- 3675 (ea)	53R	267
TIRES, MAXIMUM:		
Front and dual rear; 7.00-18-8pr; 1850 lb (ea) cap. RPOs 200 and 267 are mandatory with this option	35F,215R	295
TRANSMISSION:		
3-Speed, heavy duty	Minus 43F,10R	316
Automatic 4-Speed with oil cooler	57F,13R	314
VACUUM BOOSTER AND FUEL PUMP	*	340

* - Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, ●-Capacity increased. x-Data corrected. ◆-New Generator.

CHASSIS AND BODY DIMENSIONS

Model 4102 Flat Face Cowl Chassis
Model 4112 Windshield Cowl Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	11.19	8.91	32.81
Minimum for Max GVW	11.69	10.25	34.70

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for Max GVW is 7.00-20-8pr front and 7.50-20-8pr dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
4102 x	2010	1620	3630	2050	1770	3820	9850	Determined by style, length and weight of body.		
4112 ⊕	2150	1585	3735	2190	1735	3925	9750			

⊕-Estimated weight

11-28-53. Revised: 5-1-54. •-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 4102 HEAVY DUTY FLAT FACE COWL CHASSIS
MODEL 4112 HEAVY DUTY WINDSHIELD COWL CHASSIS

1-1/2 TON NOMINAL RATING --- 137 WHEELBASE ---14000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT -------I-beam type; 4000 lb capacity
AXLE, REAR ------- Full-floating; 11000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
PARKING ---------- Hand-operated on propeller shaft; 35 sq. in. area
SERVICE ---- Hydraulic type; 4-wheel; 375 sq. in.
FRONT ---------- 14 x 2-1/2; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BUMPER, FRONT----- Rigid, channel-type; painted
CLUTCH--Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 17 quart capacity
DISPATCH BOX ---- 4102 --13-7/8 x 4-3/4 x 8-1/4; 4112 --13-1/2 x 5-1/2 x 8-1/2
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME --------Ladder type with 5 cross members channel side rails 7 x 2-3/4 x 7/32; section modulus 5.52 in^3
FUEL TANK ------- Outside of frame on right side; 18 gallon capacity
GENERATOR ---------- 45 amp maximum rate
LIGHTS ---------- 2 head, 2 parking, and 1 tail and stop
RUNNING BOARDS ---------- Short
SEAT RISER ---------- 4112 only
SPARE WHEEL CARRIER ------- Underslung at rear
SPRINGS
FRONT ---------- Semi-elliptic; 7-leaf; 40 x 2; 1740 lb (ea) capacity at ground
REAR --------- Semi-elliptic; 11-leaf, 46 x 2-1/2; 4465 lb (ea) capacity at ground
STEERING GEAR ----- Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
TIRES ---------- Front and dual rear; 6.50-20-6 pr; 1700 lb (ea) capacity
TOOLS ---------- 8250 lb capacity jack; tire changing iron; wheel wrench •
TOOL BOX (4112 only) ---------- 50 x 19 x 2-3/8
TRANSMISSION--4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATOR ---------- Top of cowl
WHEELS---------- 7; wide-base rim; 20 x 5.0
WINDSHIELD WIPERS
4112 only ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

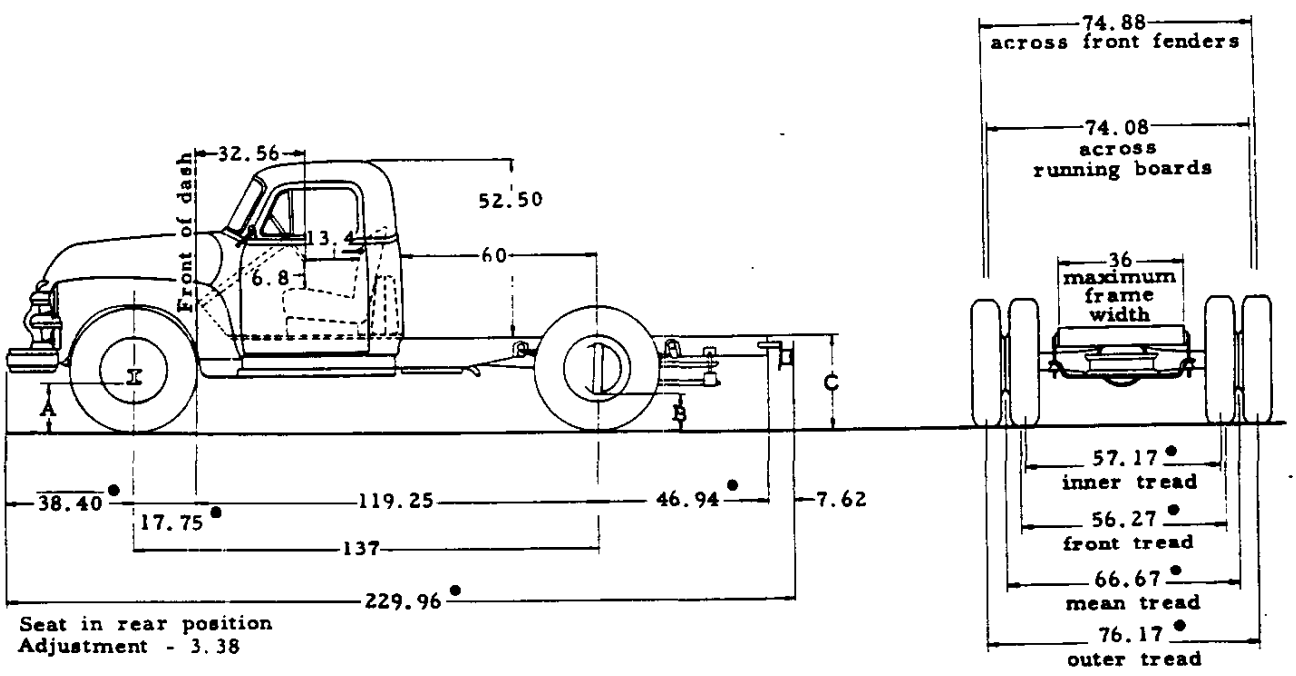
	Wt	Number
AIR CLEANER: AC make, oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, FRONT: Heavy Duty	37F	203
AXLE, REAR: Single-speed, full-floating, 5.43 ratio; 11000 lb capacity	*	204
BRAKE BOOSTER (Hydraulic) Long stroke, 7 dia; vacuum-operated	11F, 9R	212
COLORS, VEHICLE: Solid	*	234
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY: Loadmaster. 235.5 cu. in. displ Gross HP, 112 @ 3700 RPM Gross Torque, 200 ft lb @ 2000 RPM	*	225
EQUIPMENT, HEAVY DUTY: To increase max. GVW from 11000 to 14000 lb, use the following group of options: 233, Heavy Duty Frame, 253, Front Springs: 267, Rear Springs: 212, Power Brake; and at least 7.00-20-8pr Front and 7.50-20-8pr Dual Rear Tires	89F, 252R	
FRAME, HEAVY DUTY: Section modulus, 8.80 in^3	20F, 23R	233
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	27F	326
55 amp, low cut-in	24F	326
GOVERNOR: Range 2300-3200 RPM	*	241 •
OIL FILTER: AC make,		
1 quart capacity	8F	237
2 quart capacity	15F	237
RADIATOR, HEAVY DUTY: 18 qt cap.	*	256
SHOCK ABSORBERS: Direct double-acting		
Front, 1-3/8 diameter piston	16F	200
Rear, 1-3/8 diameter piston	24R	200
SPRINGS, HEAVY DUTY:		
Front, 8-leaf, 1900 lb (ea) capacity	*	253
Rear, 11-leaf, two-stage; 5600 lb (ea) capacity at ground	*	268
REAR AND AUXILIARY: Main, 11-leaf; Auxiliary, 6-leaf Capacity at ground (Main and Auxiliary) 7800 lb (ea)	76R	267
STARTER, SOLENOID (4102 only)	*	327
TANK, VACUUM RESERVE: 1000cu. in. capacity; RPO 233 mandatory	6F, 6R	281
TIRES, MAXIMUM: Front and Dual Rear, 7.50-20-10pr; 2700 lb (ea) capacity	88F, 186R	305
VACUUM BOOSTER AND FUEL PUMP	*	340
WINDSHIELD WIPERS Dual, Electric (4112 only)	*	320

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54. •-Data revised.

CHASSIS AND BODY DIMENSIONS

Model 4103 Cab Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	11.19	8.91	32.78
Minimum for Max GVW	11.69	10.22	34.70

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for Max GVW is 7.00-20-8pr front and 7.50-20-8pr dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
4103x	2285	1765	4050	2370	1870	4240	9450	7%	93%	96
								5%	95%	102
								3%	97%	108

11-28-53. Revised: 5-1-54,o -Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 4103 HEAVY DUTY CAB CHASSIS

1-1/2 TON NOMINAL RATING---137 WHEELBASE---14000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam type; 4000 lb capacity
AXLE, REAR ---- Full-floating type; 11000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
PARKING ---------- Hand-operated on prop shaft; 35 sq. in. area
SERVICE ------ Hydraulic type; 4-wheel; 375 sq. in.
FRONT ---------- 14 x 2-1/2; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BUMPER, FRONT -------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH --- Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 17 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM ●
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type with 5 cross members, channel side rails 7 x 2-3/4 x 7/32; section modulus 5.52 in.^{3}
FUEL TANK ---- Back of seat in cab; 17-1/2 gal. cap.
GENERATOR ---------- 45 amp maximum rate
LIGHTS ---------- 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW ---- LH; long adjustable bracket
RUNNING BOARDS ---------- Short
SEAT ---------- Full width
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
FRONT ---------- Semi-elliptic; 7-leaf, 40 x 2; 1740 lb (ea) capacity at ground
REAR ---------- Semi-elliptic; 11-leaf, 46 x 2-1/2; 4465 lb. (ea) capacity at ground
STEERING GEAR ------- Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ---------- Front and dual rear; 6.50-20-6pr; 1700 lb (ea) cap.
TOOLS ---------- 8250 lb capacity jack; ● tire changing iron; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION -- 4-speed synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 7; wide-base rim; 20 x 5.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

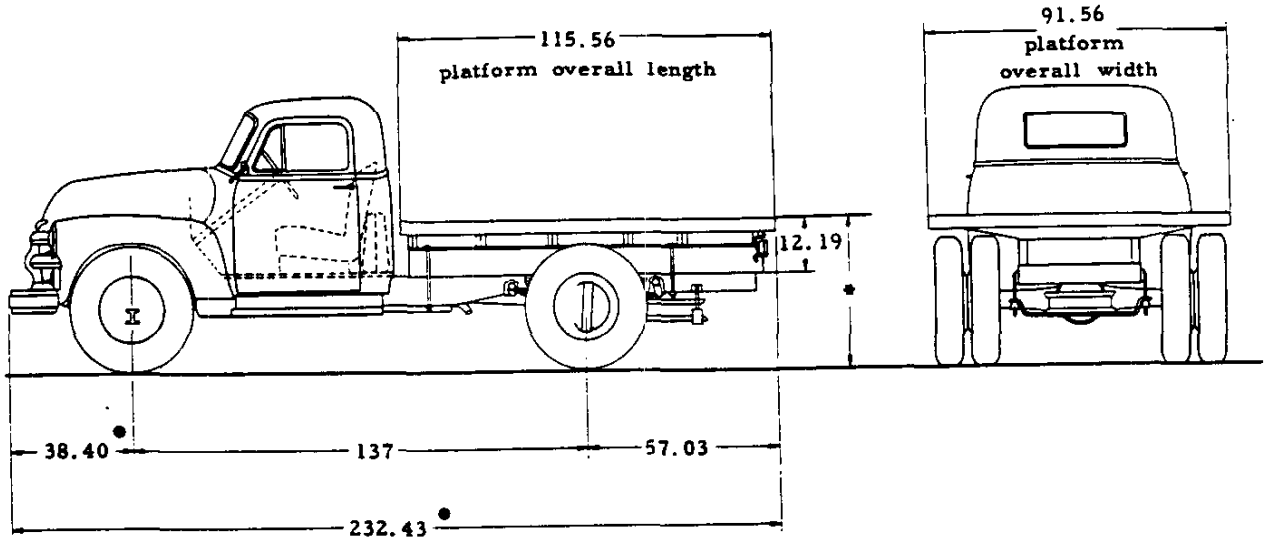
	Wt	Number
AIR CLEANER: AC make, oil bath type (2 pint capacity standard equipment on heavy duty engine RPO)		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, FRONT: Heavy Duty	37F	203
AXLE, REAR: Single-speed, full-floating; 5.43 ratio; 11000 lb capacity	*	204
BRAKE BOOSTER (hydraulic) Long stroke; 7 diameter; vacuum-operated	11F, 9R	212
COLORS, VEHICLE: Solid	*	234
CORNER WINDOWS, CAB: Clear or tinted	*	387
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY: Loadmaster, 235.5 cu. in. displ Gross HP, 112 @ 3700 RPM Gross Torque, 200 ft lb @ 2000 RPM	*	225
EQUIPMENT, HEAVY DUTY: To increase max. GVW from 11000 to 14000 lb use the following group of options: 233, Heavy Duty Frame; 253, Front Springs; 267, Rear Springs; 212, Power Brake; and at least 7.00-20-8pr front, and 7.50-20-8pr Dual Rear tires	89F, 252R	256R
FRAME, HEAVY DUTY: Section modulus, 8.80 in.^{3}	20F, 23R	233
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	27F	326
55 amp, low cut-in	24F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range, 2300-3200 RPM	*	241
MIRROR, REAR VIEW: Long, RH; or short, LH	*	210
OIL FILTER: AC, 1 quart capacity	8F	237
2 quart capacity	15F	237
RADIATOR, HEAVY DUTY: 18 qt cap.	*	256 ●
SEAT EQUIPMENT: Unison	*	264
SHOCK ABSORBERS: Direct double-acting type; Front, 1-3/8 diameter piston	16F	200
Rear, 1-3/8 diameter piston	24R	200
SIDE DOOR, KEY LOCK, LH	*	395
SPRINGS, HEAVY DUTY: Front, 8-leaf; 1900 lb (ea) capacity	*	253
Rear, 11-leaf; two-stage, 5600 lb (ea) capacity at ground	*	268
REAR AND AUXILIARY: Main, 11-leaf, Auxiliary, 6-leaf. Capacity at ground (Main and Auxiliary) 7800 lb (ea)	76R	267
TANK, VACUUM RESERVE: 1000 cu. in. capacity; RPO 233 mandatory	6F, 6R	281
TIRES, MAXIMUM: Front & Dual Rear; 7.50-20-10 pr; 2700 lb (ea) cap.	88F, 186R	305
VACUUM BOOSTER AND FUEL PUMP	*	340
WINDSHIELD WIPERS: Dual, Electric	*	320

*-Weight is less than 10 pounds.

11-28-53. Revised: 5-1-54, ●-Data corrected.

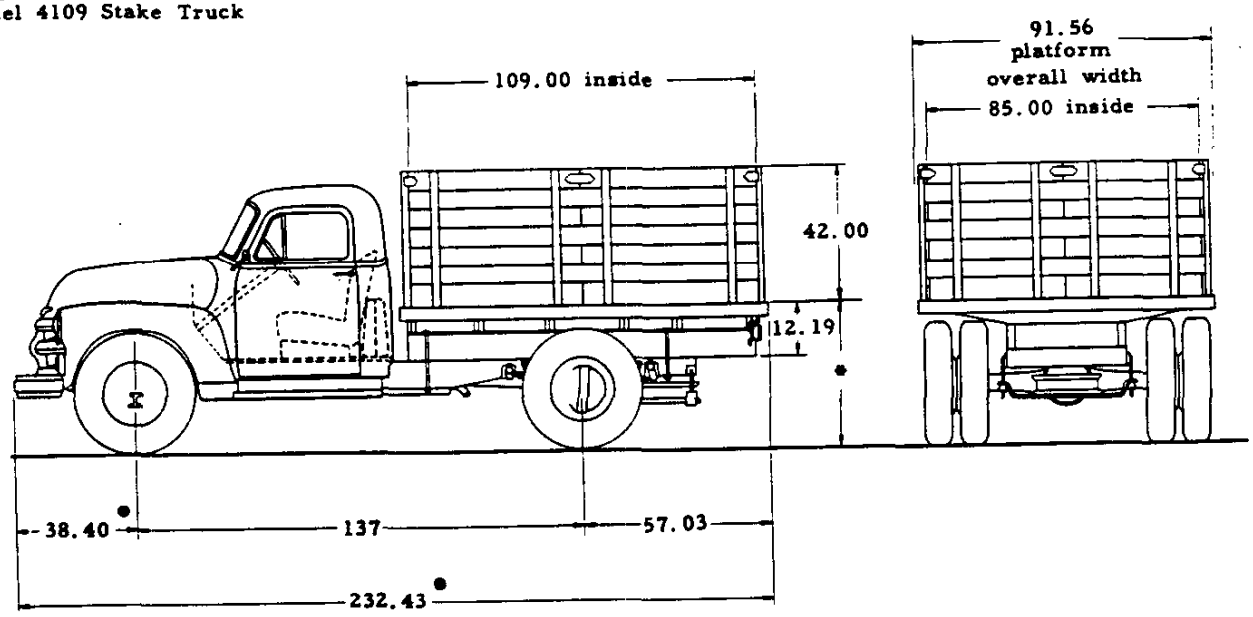
CHASSIS AND BODY DIMENSIONS

Model 4108 Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	42.06	45.07	6.50-20-6pr	6.50-20-6pr dual
Minimum for Max GVW	43.31	47.08	7.00-20-8pr	7.50-20-8pr dual

Model 4109 Stake Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	42.06	45.00	6.50-20-6pr	6.50-20-6pr dual
Minimum for Max GVW	43.19	46.92	7.00-20-8pr	7.50-20-8pr dual

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
4108 ⊕	2300	2270	4570	2380	2475	4855	8950	0%	100%	115.66
4109 x	2295	2570	4865	2380	2675	5055	8650	1%	99%	109.00

⊕-Estimated Weight

11-28-53. Revised: 5-1-54,e -Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 4108 HEAVY DUTY PLATFORM TRUCK
MODEL 4109 HEAVY DUTY STAKE TRUCK

1-1/2 TON NOMINAL RATING --- 137 WHEELBASE --- 14000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam type; 4000 lb capacity
AXLE, REAR ---- Full-floating type; 11000 lb capacity; hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY--Nominal 9-foot wood platform body with steel skid strips. Steel cross sills, and full length wood side sills. Entire platform is bound by a steel channel-type rub rail with stake pockets integrally formed. 4109 is equipped with 42" high stake rack.
BRAKES
  PARKING ---- Hand-operated on prop shaft, 35 sq. in.
  SERVICE--- Hydraulic type; 4-wheel; 375 sq. in. area
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
BUMPER, FRONT -------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH --- Diaphragm spring, single disc type: 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ------ Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 17 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME --------- Ladder type with 5 cross members channel side rails 7 x 2-3/4 x 7/32; section modulus 5.52 in.^{3}
FUEL TANK ------ Back of seat in cab; 17-1/2 gal cap.
GENERATOR ---------- 45 amp maximum rate
LIGHTS ------- 2 Head, 2 Parking, and 1 Tail and Stop
MIRROR, REAR VIEW ---- LH; long adjustable bracket
RUNNING BOARDS ---------- Short
SEAT ---------- Full width
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
  FRONT ---------- Semi-elliptic; 7-leaf, 40 x 2; 1740 lb (ea) capacity at ground
  REAR --------- Semi-elliptic; 11-leaf, 46 x 2-1/2; 4465 lb (ea) capacity at ground
STEERING GEAR -------- Recirculating-ball type; 26.24 ratio; 18 dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ---------- *Front and Dual Rear; 6.50-20-6pr;* 1700 lb (ea) capacity
TOOLS ------ 8250 lb capacity jack; tire changing iron; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION -- 4-Speed, Synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 7; wide base rim; 20 x 5.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

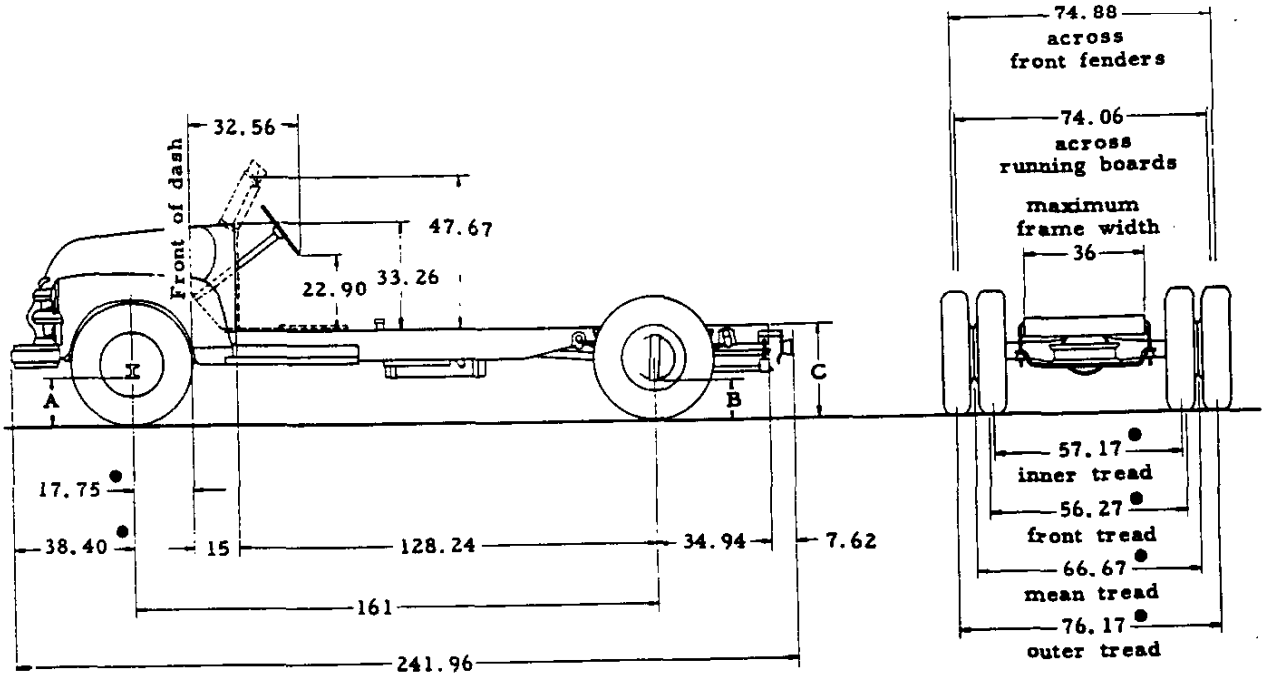
	Wt	Number
AIR CLEANER: AC make; oil bath type (2 pt cap. standard equip. on heavy duty engine RPO)		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, FRONT: Heavy Duty	37F	203
AXLE, REAR: Single-speed, full-floating; 5.43 ratio; 11000 lb capacity	*	204
BRAKE BOOSTER (Hydraulic) -- Long stroke; 7 dia; vacuum-operated	11F, 9R	212
COLORS, VEHICLE: Solid	*	234
CORNER WINDOWS, CAB: Clear or tinted	*	387
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY: Loadmaster, 235.5 cu. in. displ Gross HP, 112 @ 3700 RPM Gross torque, 200 ft lb @ 2000 RPM	*	225
EQUIPMENT, HEAVY DUTY: To increase max GVW from 11000 to 14000 lb, use the following group of options: 233, Heavy Duty Frame, 253, Front Springs; 267, Rear Spring; 212, Power Brake; and at least 7.00-20-8pr Front, and 7.50-20-8pr Dual Rear Tires	89F, 252R	
FRAME, HEAVY DUTY: Section modulus, 8.80 in.^{3}	20F, 23R	233
GENERATOR: With voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	27F	326
55 amp, Low cut-in	24F	326 •
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 2300-3200 RPM	*	241
MIRROR, REAR VIEW: Long RH	*	210
OIL FILTER: AC make,		
1 quart capacity	8F	237
2 quart capacity	15F	237
RADIATOR, HEAVY DUTY: 18 quart capacity	*	256
SEAT EQUIPMENT: Unison	*	264
SHOCK ABSORBERS: Direct double-acting type;		
Front, 1-3/8 diameter piston	16F	200
Rear, 1-3/8 diameter piston	24R	200
SIDE DOOR KEY LOCK, LH	*	395
SPRINGS, HEAVY DUTY:		
Front, 8-leaf; 1900 lb (ea) capacity	*	253
Rear, 11-leaf, two-stage, 5600 lb (ea) capacity at ground	*	268
REAR AND AUXILIARY: Main, 11-leaf, Auxiliary, 6-leaf, capacity at ground (Main and Auxiliary) 7800 lb (ea)	76R	267
TANK, VACUUM RESERVE: 1000 cu. in. capacity. RPO 233 mandatory	6F, 6R	281
TIRES MAXIMUM: Front and Dual Rear, 7.50-20-10pr; 2700 lb (ea) cap.	84F, 186R	305
VACUUM BOOSTER AND FUEL PUMP	*	340
WINDSHIELD WIPERS; Dual, Electric	*	320

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54. •-Data corrected.

CHASSIS AND BODY DIMENSIONS

Model 4402 Flat Face Cowl Chassis
Model 4412 Windshield Cowl Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	11.19	8.94	32.75
Minimum for Max GVW	11.69	10.24	34.00

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for Max GVW is 7.00-20-8pr front and 7.50-20-8pr dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
4402●	2115	1620	3735	2170	1755	3925	9800	Determined by style, length and weight of body.		
4412●	2230	1620	3850	2285	1755	4040	9700			

● - Estimated weights

11-28-53. Revised: 5-1-54, ●-Dimensions corrected.

MODEL 4402 HEAVY DUTY FLAT FACE COWL CHASSIS
MODEL 4412 WINDSHIELD COWL CHASSIS

1-1/2 TON NOMINAL RATING --- 161 WHEELBASE --- 14000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam; 4000 lb capacity;
AXLE, REAR ------ Full-floating; 11000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
PARKING ---------- Hand-operated on prop shaft; 35 sq. in. area
SERVICE ---- Hydraulic type; 4-wheel; 375 sq. in.
FRONT ---------- 14 x 2-1/2; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BUMPER, FRONT ------ Rigid, channel-type; painted
CLUTCH--Diaphragm spring; single disc type; 11 dia 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 17 quart capacity
DISPATCH BOX --- 4402 -- 13-7/8 x 4-3/4 x 8-1/4; 4412 -- 13-1/2 x 5-1/2 x 8-1/2;
DRIVE SYSTEM ---------- Hotchkiss
ENGINE --------- Thriftmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ------- Ladder type with 6 cross members channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK -Outside of frame on right side; 18 gal cap.
GENERATOR ---------- 45 amp maximum rate
LIGHTS ---------- 2 head, 2 parking, and 1 tail and stop
RUNNING BOARDS ---------- Short
SEAT RISER ---------- 4412 only
SPARE WHEEL CARRIER ------- Underslung at rear
SPRINGS
FRONT ---------- Semi-elliptic; 7-leaf, 40 x 2; 1740 lb (ea) capacity at ground
REAR ---------- Semi-elliptic; 11-leaf, 46 x 2-1/2; 4465 lb (ea) capacity at ground
STEERING GEAR ---------- Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
TIRES ---------- Front and dual rear; 6.50-20-6pr; 1700 lb (ea) cap.
TOOLS ---------- 8250 lb capacity jack; tire changing iron; wheel wrench •
TOOL BOX (4412 only) ---------- 50 x 19 x 2-3/8
TRANSMISSION ---------- 4-speed, synchro-mesh; shift lever on trans; provision for power take-off on left side
VENTILATOR ---------- Top of cowl
WHEELS ---------- 7; wide-base rim; 20 x 5.0
WINDSHIELD WIPERS
4412 only ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

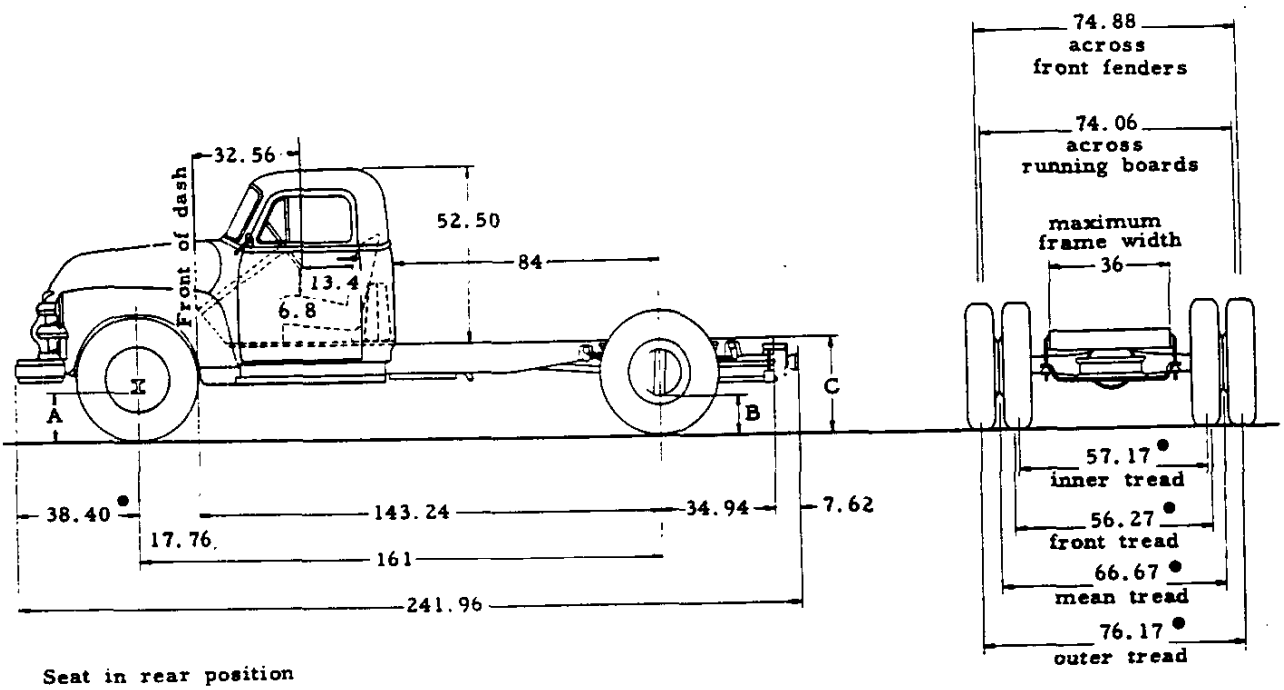
	Wt	Number
AIR CLEANER: AC make, oil bath type		
(2 pt cap. standard equip. on heavy duty engine RPO)		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, FRONT: Heavy Duty	37F	203
AXLE, REAR: Single-speed, full-floating; 5.43 ratio; 11000 lb capacity	*	204
BRAKE BOOSTER: (Hydraulic) Long stroke, 7 diameter; vacuum-operated	11F, 9R	212
COLORS, VEHICLE: Solid	*	234
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY:		
Loadmaster, 235.5 cu. in. displ		
Gross HP - 112 @ 3700 RPM		
Gross Torque - 200 ft lb @ 2000 RPM	*	225
EQUIPMENT, HEAVY DUTY: To increase max. GVW from 11000 to 14000 lb, use the following group of options: 253, Front Springs; 267, Rear Springs; 212 Power Brake; and at least 7.00-20-8pr Front, and 7.50-20-8pr Dual Rear Tires	69F, 229R	
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	27F	216
55 amp, low cut-in	24F	326
GOVERNOR: Range, 2300-3200 RPM	*	241 •
OIL FILTER: AC make		
1 quart capacity	8F	237
2 quart capacity	15F	237
RADIATOR, HEAVY DUTY: 18 qt cap.	*	256
SHOCK ABSORBERS: Direct double-acting;		
Front, 1-3/8 diameter piston	16F	200
Rear, 1-3/8 diameter piston	24R	200
SPRINGS, HEAVY DUTY:		
Front, 8-leaf; 1900 lb (ea) capacity	*	253
Rear, 11-leaf; two-stage, 5600 lb (ea) capacity at ground	*	268
REAR AND AUXILIARY:		
Main, 11-leaf		
Auxiliary, 6-leaf		
Capacity at ground (Main and Auxiliary) 7800 lb (ea)	76R	267
TANK, VACUUM RESERVE (1000 cu. in.)	6F, 6R	281
TIRES, MAXIMUM:		
Front and Dual Rear, 7.50-20-10 pr; 2700 lb (ea) capacity	88F, 186R	305
VACUUM BOOSTER AND FUEL PUMP	*	340
WINDSHIELD WIPERS:		
Dual, Electric (4412 only)	*	320

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, •-Data revised.

CHASSIS AND BODY DIMENSIONS

Model 4403 Cab Chassis



Seat in rear position
Adjustment - 3.38

Equipment	Height Without Body and Payload		
	A	B	C
Standard	11.13	8.94	32.79
Minimum for Max GVW	11.71	10.24	34.00

To determine loaded and unloaded heights, body specifications must be known.
Minimum tire equipment for Max GVW is 7.00-20-8pr front and 7.50-20-8pr dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
4403x	2390	1790	4180	2490	1880	4370	9350	14%	86%	120
								10%	90%	132
								6%	94%	144

11-28-53. Revised: 5-1-54,e -Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 4403 HEAVY DUTY CAB CHASSIS

1-1/2 TON NOMINAL RATING---161 WHEELBASE---14000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam type; 4000 lb capacity
AXLE, REAR ---- Full-floating type; 11000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
  PARKING ---- Hand-operated on prop shaft; 35 sq. in.
  SERVICE ------- Hydraulic type; 4-wheel; 375 sq. in.
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
BUMPER, FRONT -------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH --- Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 17 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ------- Ladder type with 6 cross members, channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in^3
FUEL TANK ---------- Back of seat in cab; 17-1/2 gal capacity
GENERATOR ---------- 45 amperes max rate
LIGHTS --------- 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW ---- LH; long adjustable bracket
RUNNING BOARDS ---------- Short
SEAT ---------- Full width
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
  FRONT ---------- Semi-elliptic; 7-leaf, 40 x 2; 1740 lb (ea) capacity at ground
  REAR ---------- Semi-elliptic; 11-leaf, 46 x 2-1/2; 4465 lb (ea) capacity at ground
STEERING GEAR ------ Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ---------- Front and dual rear; 6.50-20-6 pr; 1700 lb (ea) capacity
TOOLS------ 8250 lb capacity jack; tire changing iron; wheel wrench •
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION --- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 7; wide-base rim; 20 x 5.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

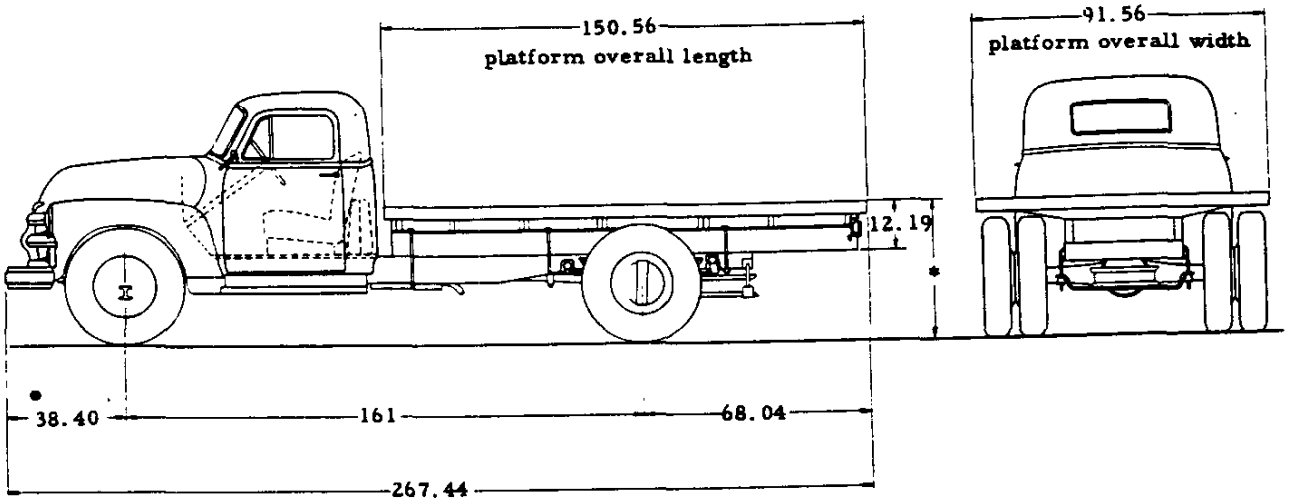
	Wt	Number
AIR CLEANER: AC make, oil bath type (2 pt cap. standard equip. on heavy duty engine RPO)		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, FRONT: Heavy Duty ---------- 37F		203
AXLE, REAR: Single-speed; full-floating; 5.43 ratio; 11000 lb capacity ----------	*	204
BRAKE BOOSTER (Hydraulic) long stroke, 7 diameter; vacuum-operated ----- 11F, 9R		212
COLORS, VEHICLE: Solid ----------	*	234
CORNER WINDOWS, CAB: ----------	*	387
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner ---	*	217
ENGINE, HEAVY-DUTY: Loadmaster, 235.5 cu. in displ Gross HP, 112 @ 3700 RPM Gross Torque, 200 ft lb @ 2000 RPM ---	*	225
EQUIPMENT, HEAVY DUTY: To increase max. GVW from 11000 to 14000 lb, use the following group of options; 253, Front Springs; 267, Rear Springs; 212 Power Brake; and at least 7.00-20-8pr Front and 7.50-20-8pr Dual Rear Tires --- 69F, 229R		
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp ----------	*	326
50 amp ----------	*	326
55 amp ---------- 27F		326
55 amp, low cut-in ---------- 24F		326
GLASS EQUIPMENT, BODY: Tinted ------	*	399
GOVERNOR: Range 2300-3200 RPM ----------	*	241 •
MIRROR, REAR VIEW: Long, RH; Short, RH or LH	*	210
OIL FILTER: AC make		
1 quart capacity ---------- 8F		237
2 quart capacity ---------- 15F		237
RADIATOR, HEAVY DUTY: 18 qt cap. ----	*	256
SEAT EQUIPMENT: Unison ----------	*	264
SHOCK ABSORBERS: Direct double-acting		
Front, 1-3/8 diameter piston --------- 16F		200
Rear, 1-3/8 diameter piston ---------- 24R		200
SIDE DOOR KEY LOCK, LH ----------	*	395
SPRINGS, HEAVY DUTY:		
Front, 8-leaf; 1900 lb (ea) cap. ---------	*	253
Rear, 11-leaf; two-stage, 5600 lb (ea) capacity at ground ----------	*	268
REAR and AUXILIARY: Main, 11-leaf Auxiliary, 6-leaf Capacity at ground (Main and Auxiliary) 7800 lb (ea) capacity ---------- 76R		267
TANK, VACUUM RESERVE: 1000 cu. in. capacity ---------- 6F, 6R		281
TIRES, MAXIMUM: Front and Dual Rear 7.50-20-10pr; 2700 lb (ea) capacity ---------- 88F, 186R		305
VACUUM BOOSTER AND FUEL PUMP ----	*	340
WINDSHIELD WIPERS: Dual, Electric ----------	*	320

*-Weight is less than 10 pounds

11-28-53: Revised: 5-1-54, •-Data revised.

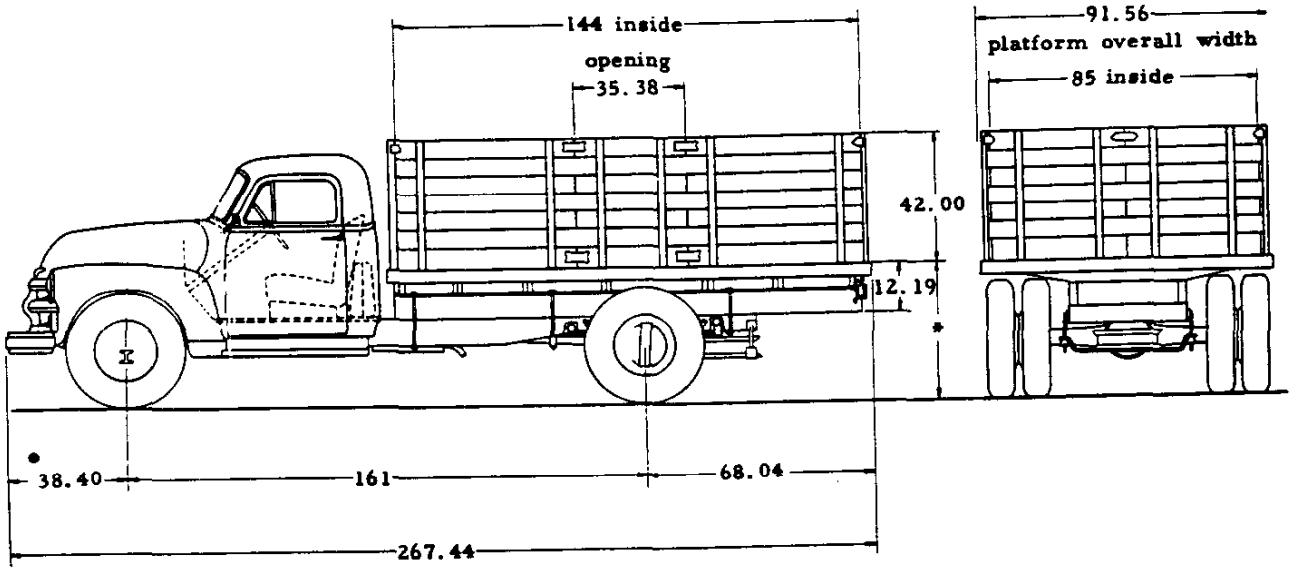
CHASSIS AND BODY DIMENSIONS

Model 4408 Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	43.11	45.82	6.50-20-6pr	6.50-20-6pr dual
Minimum for Max GVW	44.07	47.03	7.00-20-8pr	7.50-20-8pr dual

Model 4409 Stake Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	43.11	45.65	6.50-20-6pr	6.50-20-6pr dual
Minimum for Max GVW	44.07	46.84	7.00-20-8pr	7.50-20-8pr dual

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
4408 x	2410	2490	4900	2510	2580	5090	8650	4%	96%	150.56
4409 x	2495	2750	5245	2595	2840	5435	8300	5%	95%	144.00

11-28-53. Revised: 5-1-54: e-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 4408 HEAVY DUTY PLATFORM TRUCK
MODEL 4409 HEAVY DUTY STAKE TRUCK

1-1/2 TON NOMINAL RATING --- 161 WHEELBASE --- 14000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam type; 4000 lb capacity
AXLE, REAR ---- Full-floating type; 11000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY --- Nominal 12-foot wood platform with steel skid strips. Steel cross sills, and full length wood side sills. Entire platform is bound by a steel channel-type rub rail with stake pockets integrally formed. Model 4409 is equipped with a 42 high stake rack.
BRAKES
  PARKING ---------- Hand-operated on prop shaft; 35 sq. in. area
  SERVICE ------ Hydraulic type; 4-wheel; 375 sq. in.
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
BUMPER, FRONT ------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH -- Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Cellular radiator core, 4 lb press. cap. 407 sq. in. frontal area; 17 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME -------- Ladder type with 6 cross members, channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus, 8.80 in.^{3}
FUEL TANK ---------- Back of seat in cab; 17-1/2 gallon cap.
GENERATOR ---------- 45 amp maximum rate
LIGHTS ---------- 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW ----- LH; long adjustable bracket
RUNNING BOARDS ---------- Short
SEAT ---------- Full width
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS ---------- Semi-elliptic
  FRONT ---- 7-leaf, 40 x 2; 1740 lb (ea) cap. at ground
  REAR ---------- 11-leaf, 46 x 2-1/2; 4465 lb (ea) capacity at ground
STEERING GEAR ------ Recirculating-ball type; 26.24 ratio; 18-inch dia wheel
SUNSHADE ---------- Adjustable for driver
TIRES ---------- Front and dual rear; 6.50-20-6pr; 1700 lb (ea) capacity
TOOLS ------ 8250 lb capacity jack; tire changing iron; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION ---- 4-speed synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 7; wide-base rim; 20 x 5.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

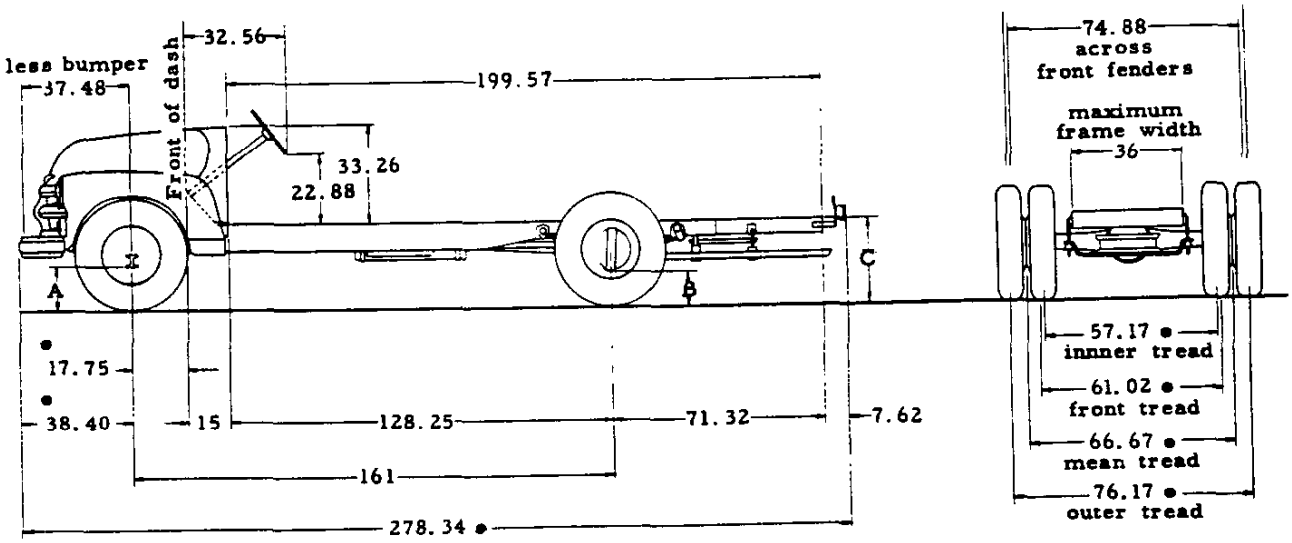
	Wt	Number
AIR CLEANER: AC make, oil bath type (2 pt cap. standard equip. on heavy duty engine RPO)		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, FRONT: Heavy Duty	37F	203
AXLE, REAR: Single-speed, full-floating; 5.43 ratio, 11000 lb capacity	*	204
BRAKE BOOSTER (Hydraulic) Long stroke, 7 dia; vacuum-operated	11F, 9R	212
COLORS, VEHICLE: Solid	*	234
CORNER WINDOWS, CAB: Clear or tinted	*	387
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY: Loadmaster, 235.5 cu. in. displ Gross HP, 112 @ 3700 RPM Gross torque, 200 ft lb @ 2000 RPM	*	225
EQUIPMENT, HEAVY DUTY: To increase max GVW from 11000 to 14000 lb, use the following group of options: 253, Front Springs; 267, Rear Springs; 212, Power Brake; and at least 7.00-20-8pr Front and 7.50-20-8pr Dual Rear Tires	69F, 229F	
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp,	27F	326
55 amp, Low cut-in	24F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 2300-3200 RPM	*	241 •
MIRROR, REAR VIEW: Long, RH	*	210
OIL FILTER: AC make		
1 quart capacity	8F	237
2 quart capacity	15F	237
RADIATOR, HEAVY DUTY: 18 qt cap.	*	256
SEAT EQUIPMENT: Unison	*	264
SHOCK ABSORBERS: Direct double acting		
Front, 1-3/8 diameter piston	16F	200
Rear, 1-3/8 diameter piston	24R	200
SIDE DOOR KEY LOCK, LH	*	395
SPRINGS, HEAVY DUTY:		
Front, 8-leaf, 1900 lb (ea) capacity	*	253
Rear, 11-leaf, two-stage, 5600 lb (ea) capacity at ground	*	268
REAR and AUXILIARY: Main, 11-leaf Auxiliary, 6-leaf, capacity at ground (Main and Auxiliary) 7800 lb (ea)	76R	267
TANK, VACUUM RESERVE: 1000 cu. in. capacity	6F, 6R	281
TIRES, MAXIMUM: Front and Dual Rear, 7.50-20-10pr; 2700 lb (ea) cap.	88F, 186R	305
VACUUM BOOSTER and FUEL PUMP	*	340
WINDSHIELD WIPERS: Dual, Electric	*	320

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, •-Data revised.

CHASSIS AND BODY DIMENSIONS

Model 4502 School Bus Flat Face Cowl Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	10.75	8.88	36.00
Minimum for Max GVW	10.75	9.36	36.69

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for Max GVW is 6.50-20-6pr front and 7.00-20-8pr dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
4502 x	2150	1775	3925	2250	1940	4190	7800	Determined by Style, Length and weight of body.		

11-28-53. Revised: 5-1-54, •-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 4502 MEDIUM DUTY SCHOOL BUS FLAT FACE COWL CHASSIS

1-1/2 TON NOMINAL RATING --- 161 WHEELBASE --- 12000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make; oil-wetted type
AXLE, FRONT ---------- I-beam type; 4500 lb cap
AXLE, REAR -- Full-floating type; 11000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 19 plate; 125 amp hr capacity
BRAKES
PARKING ---------- Hand-operated on prop shaft 35 sq. in. area
SERVICE ---------- Hydraulic type; 4-wheel; 375 sq. in. area
FRONT ---------- 14 x 2-1/2; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BUMPER, FRONT ------- Rigid, channel-type; painted
CLUTCH--Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Cellular radiator core, 4 lb press. cap; 407 sq.in. frontal area; 17 quart capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME --------Ladder type with 8 cross members channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL LINE, FLEXIBLE ---------- Engine end
FUEL TANK ------- Outside of frame on right side; 30 gallon capacity
GENERATOR ---------- 45 amp maximum rate
GOVERNOR ---------- Set at 35 MPH
LIGHTS------ 2 head, 2 parking, and 1 tail and stop
PROPELLER SHAFT GUARDS ---------- Two
SPARE WHEEL CARRIER ------- Underslung at rear
SPRINGS ---------- Semi-elliptic
FRONT -- 9-leaf, 40 x 2; 2200 lb (ea) cap. at ground
REAR ---------- Two-stage; 11-leaf, 46 x 2-1/2; 5600 lb (ea) capacity at ground
STEERING GEAR ---- Recirculating-ball type; 27.76 ratio; 18-inch dia wheel
TIRES ---------- Front and dual rear; 6.50-20-6pr; 1700 lb (ea) capacity
TOOLS ----7000 lb capacity jack; tire changing iron; wheel wrench
TRANSMISSION -- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATOR ---------- Top of cowl
WHEELS ---------- 7; wide-base rim; 20 x 5.0

OPTIONAL EQUIPMENT

For model application see Option Section

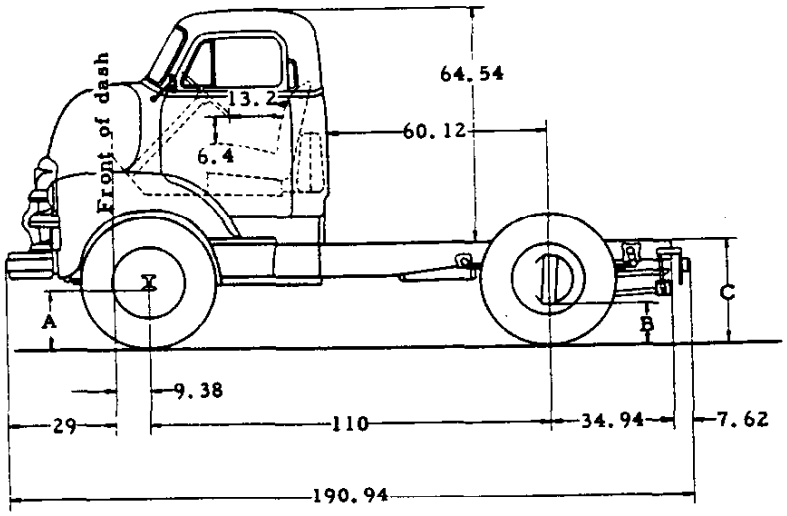
	Wt	Number
AIR CLEANER: AC make, oil bath type (2 pt cap. standard equip. on heavy duty engine RPO)		
2 pint capacity	*	216
AXLE, REAR:		
Single speed, full-floating; 5.43 ratio, 11000 lb capacity	*	204
BRAKE BOOSTER (Hydraulic) Long stroke, 7 dia; vacuum-operated	11F, 9R	212
COLORS, VEHICLE: Solid	*	234
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY:		
Loadmaster, 235.5 cu.in. displ		
Gross HP, 112 @ 3700 RPM		
Gross torque, 200 @ 2000 RPM	*	225
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	27F	326
55 amp, Low cut-in	24F	326
OIL FILTER: AC make		
1 quart capacity	8F	237
2 quart capacity	15F	237
RADIATOR, HEAVY DUTY		
18 quart capacity	*	256
SHOCK ABSORBERS:		
Direct double-acting		
Front, 1-3/8 diameter piston	16F	200
Rear, 1-3/8 diameter piston	24R	200
SPRINGS, FRONT: 9-leaf with double-wrap eye at fixed end	*	255 •
TANK, VACUUM RESERVE		
1000 cu.in. capacity	6F, 6R	281
TIRES, MAXIMUM:		
Front and Dual Rear: 7.50-20-10pr; 2700 lb (ea) capacity	86F, 186R	305
VACUUM BOOSTER and FUEL PUMP	*	340

*-Weight is less than 10 pounds

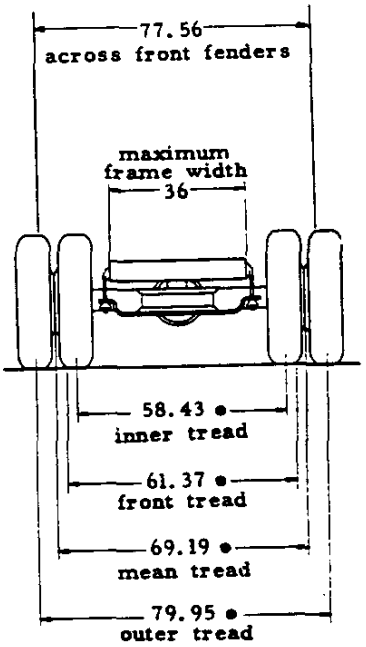
11-28-53. Revised: 5-1-54, •-New RPO Spring.

CHASSIS AND BODY DIMENSIONS

Models 5103 (5103S) Cab Chassis



Seat in rear position adjustment 3.38



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.06	10.24	33.97
Minimum for Max GVW	12.06	10.78	34.68

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10 dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
5103 (S) x	2635	1950	4585	2740	2055	4795	11150	12%	88%	90
								9%	91%	96
								6%	94%	102
								4%	96%	108

11-28-53. Revised: 5-1-54. •-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 5103 (5103S) HEAVY DUTY C.O.E. CAB CHASSIS

2 TON (1-1/2 Ton Special) NOMINAL RATING---110 WHEELBASE---16000 lb (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER --- AC make; oil bath type; 1 pt capacity
AXLE, FRONT ---------- I-beam type; 4500 lb capacity
AXLE, REAR -------- Full-floating; 13000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
PARKING ---- Hand-operated on prop shaft; 35 sq. in.
SERVICE ------- Hydraulic type; 4-wheel; 375 sq. in.
FRONT ---------- 14 x 2-1/2; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BOOSTER (hydraulic) ---------- Long stroke; 7 dia; vacuum-operated
BUMPER, FRONT -------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH --- Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core; 4 lb press. cap; 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
PROPELLER SHAFT ---------- One
PROPELLER SHAFT BRG SUPPORTS ---------- None
UNIVERSAL JOINTS ---------- Two
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
GROSS HP ---------- 110 @ 3600 RPM •
GROSS TORQUE ---------- 192 ft lb @ 2000 RPM
FENDERS ---------- Front, COE type
FRAME ------- Ladder type with 5 cross members, • channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in³
FUEL TANK ------ Back of seat in cab; 17-1/2 gal cap.
GENERATOR ---------- 45 amp maximum rate
GRAB HANDLES ---------- Left and right side
LIGHTS --------- 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW ----- LH; long adjustable bracket
RUNNING BOARDS ---------- Short; with step
SEAT ---------- Full width
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
FRONT ---------- Semi-elliptic; 9-leaf, 40 x 2; 2200 lb (ea) capacity at ground
REAR ---------- Semi-elliptic; 7800 lb (ea) capacity
MAIN ---------- 11-leaf, 46 x 2-1/2
AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ------- Recirculating-ball type; 27.76 ratio; 18-inch dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ----- 8250 lb cap. jack; tire iron; wheel wrench •
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION --- 4-speed, synchro-mesh; shift lever mounted on floor; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

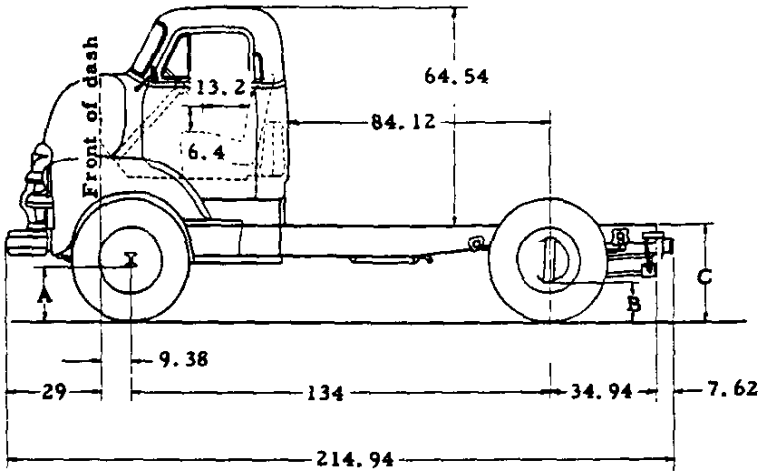
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating, 13000 lb capacity; Hypoid primary gears,		
6.13 and 8.10 ratios	104R	202
6.70 and 8.86 ratios	104R	201
COLORS, VEHICLE: Solid	*	234
CORNER WINDOWS, CAB	*	387
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY: Jobmaster, 261 cu. in. displ Gross HP, 125 @ 3800 RPM Gross torque, 215 @ 1200-2000 RPM	*	225•
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 2300-3200 RPM; Heavy Duty Engine, 2400-3400 RPM;	*	241 x
MIRROR, REAR VIEW: Short, RH and LH; Long, RH	*	210
OIL FILTER: AC make, 2 quart capacity	15F	237
PLATE, IDENTIFICATION 1-1/2 Ton Special	*	402
SEAT EQUIPMENT: Unsion	*	264 x
SHOCK ABSORBERS: Direct double-acting,		
Front, 1-3/8 diameter piston	16F	200
Rear, 1-3/8 diameter piston	24R	200
SIDE DOOR KEY LOCK, LH	*	395
SPRINGS, REAR: Two-stage, 11-leaf; 5600 lbs (ea) capacity at ground Minus	75R	268
TANK, VACUUM RESERVE: 1000 cu. in. capacity	6F, 6R	281
TIRES, MAXIMUM: RPO 291 mandatory Front, 8.25-10pr; 2900 lb (ea) capacity	40F	343
Dual Rear, 9.00-20-10pr; 3450 lb (ea) capacity	150R	312
VACUUM BOOSTER and FUEL PUMP	*	340
WHEELS: (20 x 6.5) For 8.25 or 9.00 x 20 tires; 5 Wheels (For fleet users only)	25R	291
7 Wheels	10F, 25R	291
WINDSHIELD WIPERS: Dual, Electric	*	320

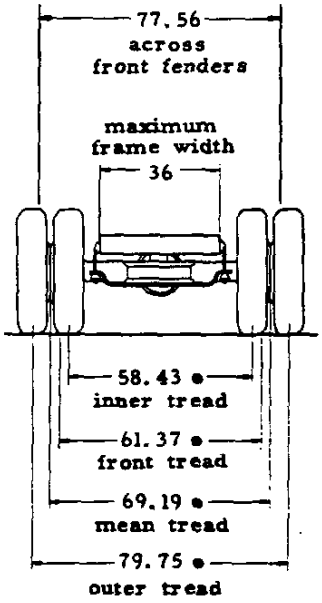
*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, •-Data corrected. x-Data added.

CHASSIS AND BODY DIMENSIONS

Model 5403 (5403S) C. O. E. CAB CHASSIS





Seat in rear position
adjustment 3.38

Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.06	10.24	33.22
Minimum for Max GVW	12.06	10.78	33.86

To determine loaded and unloaded heights, body specifications must be known.
Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10 dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
5403 (S) x	2695	1955	4650	2810	2050	4860	11100	17%	83%	120
								12%	88%	132
								10%	90%	138
								8%	92%	144

11-28-53. Revised: 5-1-54. •-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 5403 (5403S) HEAVY DUTY C.O.E. CAB CHASSIS

2 TON (1-1/2 Ton Special) NOMINAL RATING --- 134 WHEELBASE --- 16000 (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make, oil bath type, 1 pint capacity
AXLE, FRONT ---------- I-beam type; 4500 lb cap.
AXLE, REAR ---- Full-floating type; 13000 lb capacity; hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
  PARKING ---- Hand-operated on prop shaft, 35 sq. in.
  SERVICE ---------- Hydraulic type; 4-wheel; 375 sq. in.
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
BOOSTER (Hydraulic) ---------- Long stroke, 7 dia; vacuum-operated
BUMPER, FRONT ---------- Rigid, channel type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH --- Diaphragm spring, single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ------ Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ---------- Two
  PROPELLER SHAFT BRG SUPPORTS ---------- One
  UNIVERSAL JOINTS ---------- Three
ENGINE ---------- Loadmaster, 235.5 cu. in.
  GROSS HP ---------- 110 @ 3600 RPM •
  GROSS TORQUE ---------- 192 ft lb @ 2000 RPM
FENDERS, COE TYPE ---------- Front only
FRAME ---------- Ladder type with 5 cross members, channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK ---------- Back of seat in cab; 17-1/2 gal capacity
GENERATOR ---------- 45 amp maximum rate
GRAB HANDLES ---------- Left and right side
LIGHTS ------- 2 Head, 2 Parking, and 1 Tail and Stop
MIRROR, REAR VIEW ---- LH, long adjustable bracket
RUNNING BOARDS ---------- Short with step
SEAT ---------- Full width
SPARE WHEEL CARRIER -------- Underslung at rear
SPRINGS
  FRONT ---------- Semi-elliptic; 11-leaf, 40 x 2; 2400 lb (ea) capacity at ground
  REAR ------ Semi-elliptic 7800 lb (ea) cap. at ground
    MAIN ---------- 11-leaf, 46 x 2-1/2
    AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ------ Recirculating-ball type, 27.76 ratio; 18 dia wheel
SUNSHADE ---------- Adjustable, for driver
TIRES ---------- Front and Dual Rear, 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ------ 8250 lb capacity jack; tire changing iron; • wheel wrench
TOOL BOX ---------- Under seat, 50 x 19 x 6
TRANSMISSION ---- 4-Speed synchro-mesh, shift lever on floor; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 7, wide base rim; 20 x 6.0
WINDSHIELD WIPERS ---------- Dual, cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

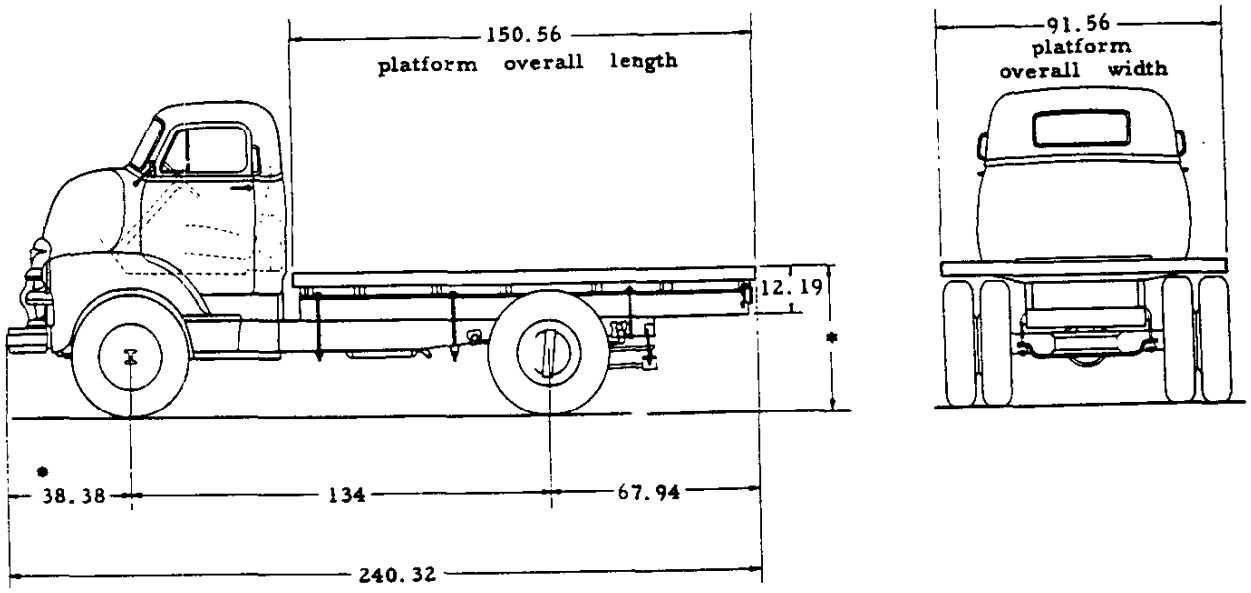
	Wt	Number	
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears.			
6.13 and 8.10 ratios	104R	202	
6.70 and 8.66 ratios	104R	201	
COLORS VEHICLE: Solid	*	234	
CORNER WINDOWS, CAB	*	387	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
ENGINE, HEAVY DUTY: Jobmaster, 261 cu. in. displ Gross HP, 125 @ 3800 RPM Gross torque, 215 ft lb 1200-2000 RPM	*	225	•
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp	*	326	
50 amp	*	326	
GLASS EQUIPMENT, BODY: Tinted	*	399	
GOVERNOR: Range 2300-3200 RPM; Heavy Duty Engine, 2400-3400 RPM	*	241	x
MIRROR, REAR VIEW:			
Short, RH or LH	*	210	
Long, RH	*	210	
OIL FILTER: AC make, 2 quart capacity	15F	237	
PLATE, IDENTIFICATION: 1-1/2 Ton Special	*	402	
SEAT EQUIPMENT: Unison	*	264	x
SHOCK ABSORBERS: Direct double-acting			
Front, 1-3/8 diameter piston	16F	200	
Rear, 1-3/8 diameter piston	24R	200	
SIDE DOOR KEY LOCK, LH	*	395	
SPRINGS, REAR: Two-stage, 11-leaf; 5600 lb (ea) cap. at ground	Minus75R	268	
TANK, VACUUM RESERVE: 1000 cu. in. capacity	6F, 6R	281	
TIRES, MAXIMUM: RPO 291 mandatory			
Front, 8.25-20-10pr; 2900 lb (ea) capacity	40F	343	
Dual Rear, 9.00-20-10pr; 3450 lb (ea) capacity	150R	312	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WHEELS (20 x 6.5) For 8.25 or 9 00 x 20 tires			
5 Wheels (For fleet users only)	25R	291	
7 Wheels	10F, 25R	291	
WINDSHIELD WIPERS: Dual, Electric	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, •-Data corrected. x-Data added.

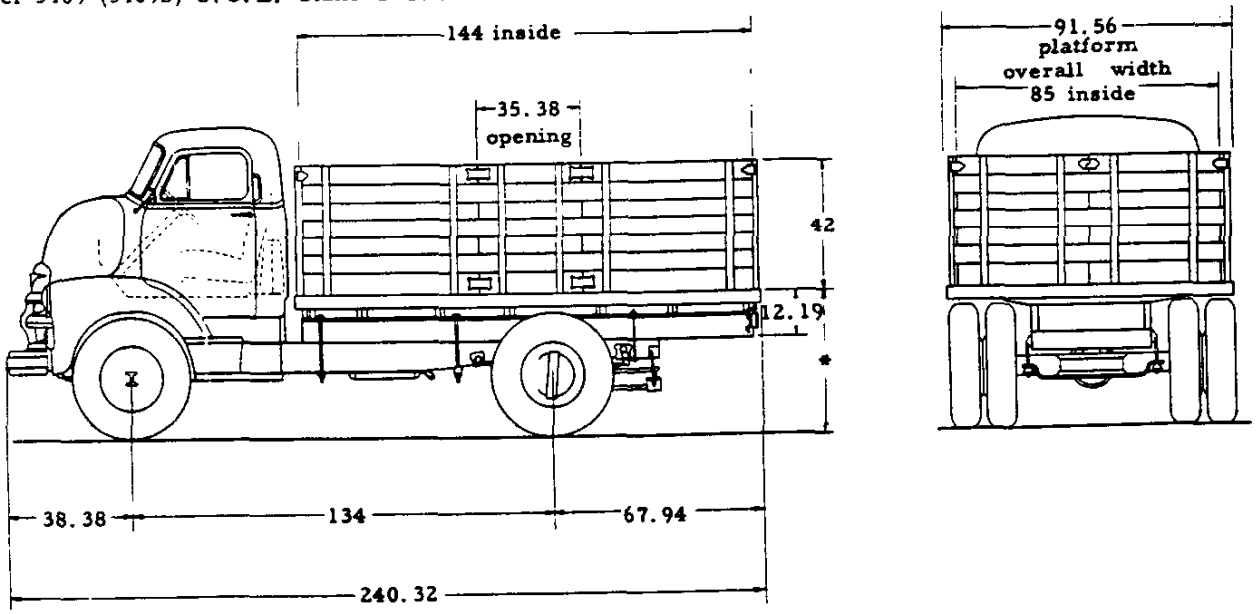
CHASSIS AND BODY DIMENSIONS

Model 5408 (5408S) C. O. E. Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	41.94	45.39	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	42.64	46.22	7.50-20-8pr	8.25-20-10pr dual

Model 5409 (5409S) C. O. E. Stake Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	41.94	45.20	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	42.64	46.02	7.50-20-8pr	8.25-20-10pr dual

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb				Payload Distribution		Body
	Front	Rear	Total	Front	Rear	Total	Payload	Front	Rear	Length
5408 (S) ♦	2770	2620	5390	2880	2715	5595	10350	4%	96%	150.56
5409 (S) x	2795	2870	5665	2910	2965	5875	10050	6%	94%	144.00

♦-Estimated weights

11-28-53. Revised: 5-1-54. ●-Dimension corrected. x-Production weights replaces estimated weights.

MODEL 5408 (5408S) HEAVY DUTY C.O.E. PLATFORM TRUCK
MODEL 5409 (5409S) HEAVY DUTY C.O.E. STAKE TRUCK

2 TON (1-1/2 Ton Special) NOMINAL RATING --- 134 WHEELBASE --- 16000 lb (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER -- AC make, oil bath type, 1 pt capacity
AXLE, FRONT --------- I-beam type; 4500 lb capacity
AXLE, REAR ----Full-floating type, 13000 lb capacity; hypoid gears, 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY-------Nominal 12-foot wood platform with steel skid strips. Steel cross sills and full length wood side sills. Entire platform is bound by a steel channel-type rub rail with stake pockets integrally formed. Model 5409 is equipped with a 42 high stake rack.
BRAKES
  PARKING ---------- Hand-operated on prop shaft; 35 sq. in.
  SERVICE ---------- Hydraulic type, 4-wheel; 375 sq. in.
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
BOOSTER (Hydraulic) ---------- Long stroke, 7 dia; vacuum-operated
BUMPER, FRONT ------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH --------- Diaphragm spring, single disc type; 11 dia, 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ---------- Two
  PROPELLER SHAFT BRG SUPPORTS --------- One
  UNIVERSAL JOINTS ---------- Three
ENGINE ---------- Loadmaster, 235.5 cu. in. displ
  GROSS HP ---------- 110 @ 3600 RPM •
  GROSS TORQUE ---------- 192 @ 2000 RPM
FENDERS ---------- Front only
FRAME ------- Ladder type with 5 cross members, channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK ---------- Back of seat in cab; 17-1/2 gal capacity
GENERATOR ---------- 45 amp maximum rate
GRAB HANDLES ---------- Left and Right side
LIGHTS --------- 2 Head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW ---- LH; long adjustable bracket
RUNNING BOARDS ---------- Short with step
SEAT ---------- Full width
SPARE WHEEL CARRIER -------- Underslung at rear
SPRINGS
  FRONT ---------- Semi-elliptic 11-leaf, 40 x 2; 2400 lb (ea) capacity at ground
  REAR ---------- Semi-elliptic 7800 lb (ea) capacity
    MAIN ---------- 11-leaf, 46 x 2-1/2
    AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ------- Recirculating-ball type, 27.76 ratio; 18 dia wheel
SUNSHADE ---------- Adjustable, for driver
TIRES ---------- Front and Dual Rear, 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS -------8250 lb capacity jack; tire changing iron; • wheel wrench
TOOL BOX ---------- Under seat, 50 x 19 x 6
TRANSMISSION ---4-Speed, Synchro-mesh, shift lever on floor; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 7, wide-base rim; 20 x 6.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

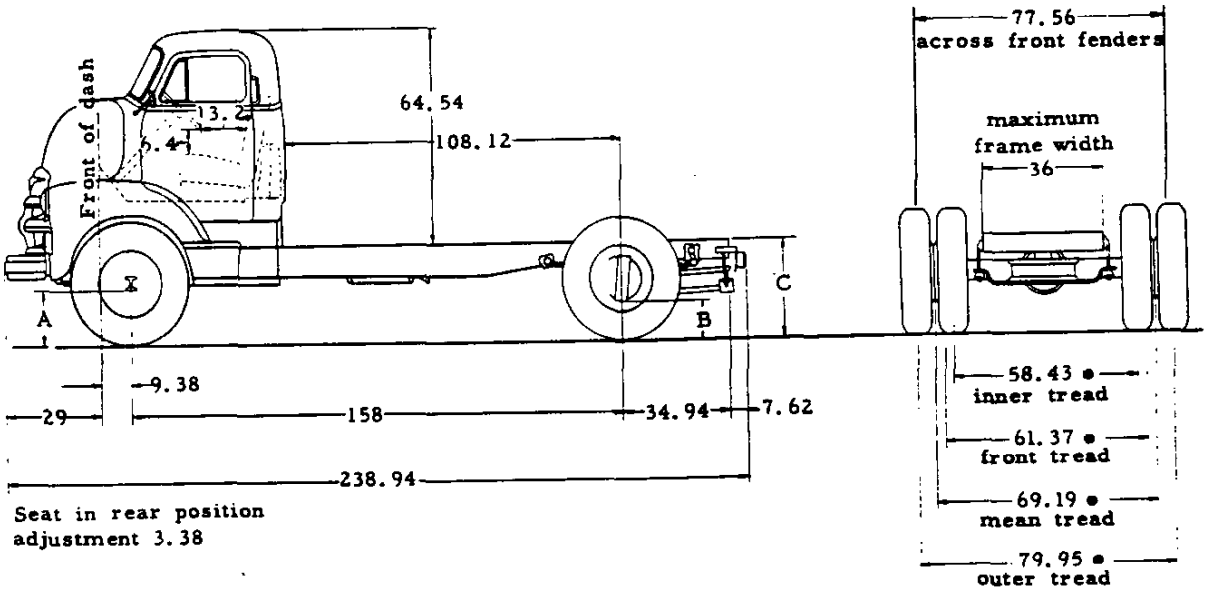
	Wt	Number	
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears			
6.13 and 8.10 ratios ----------	104R	202	
6.70 and 8.86 ratios ----------	104R	201	
COLORS, VEHICLE: Solid ----------	*	234	
CORNER WINDOWS, CAB ----------	*	387	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner ---	*	217	
ENGINE, HEAVY DUTY:			
Jobmaster, 261 cu. in. displ			
Gross HP, 125 @ 3800 RPM			
Gross Torque, 215 @ 1200-2000 RPM ---	*	225	•
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp ----------	*	326	
50 amp ----------	*	326	
GLASS EQUIPMENT, BODY: Tinted ------	*	399	
GOVERNOR: Range 2300-3200 RPM, Heavy Duty Engine, 2400-3400 RPM -----	*	241	x
MIRROR, REAR VIEW:			
Long RH ----------	*	210	
OIL FILTER: AC make,			
2 quart capacity ----------	15F	237	
PLATE, IDENTIFICATION:			
1-1/2 Ton Special ----------	*	402	
SEAT EQUIPMENT:			
Unison ----------	*	264	x
SHOCK ABSORBERS: Direct double-acting			
Front, 1-3/8 diameter piston ---------	16F	200	
Rear, 1-3/8 diameter piston ----------	24R	200	
SIDE DOOR KEY LOCK:			
Left hand ----------	*	395	
SPRINGS, REAR:			
Two-stage 11-leaf; 5600 lb (ea) capacity at ground ----------	Minus 75R	268	
TANK, VACUUM RESERVE:			
1000 cu. in. capacity ----------	6F, 6R	281	
TIRES, MAXIMUM: RPO 291 mandatory			
Front and Dual Rear, 8.25-20-12pr; 3150 lb (ea) capacity ---------	56F, 116R	344	
VACUUM BOOSTER AND FUEL PUMP ----	*	340	
WHEELS: (20 x 6.5) For 8.25 or 9.00 x 20 tires			
5 Wheels (For fleet users only) -------	25R	291	
7 Wheels ----------	10F, 25R	320	
WINDSHIELD WIPERS:			
Dual, Electric ----------	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54. •-Data corrected. x-Data added.

CHASSIS AND BODY DIMENSIONS

Model 5703 (5703S) C.O.E. Cab Chassis



Seat in rear position
adjustment 3.38

Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.03	10.24	33.13
Minimum for Max GVW	12.03	10.78	33.79

To determine loaded and unloaded heights, body specifications must be known.
Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10 dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
5703 (S) x	2765	1970	4735	2885	2060	4945	10950	14%	86%	168
								10%	90%	180
								6%	94%	192

11-28-53. Revised: 5-1-54. e-*Dimensions corrected.* x-Production weights replaces estimated weights.

MODEL 5703 (5703S) HEAVY DUTY C.O.E. CAB CHASSIS

2 TON (1-1/2 Ton Special) NOMINAL RATING --- 158 WHEELBASE --- 160001b (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER -- AC make, oil bath type, 1 pt capacity
AXLE, FRONT --------- I-beam type; 4500 lb capacity
AXLE, REAR --------- Full-floating; 13000 lb capacity hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
  PARKING ---Hand-operated; on prop shaft, 35 sq.in.
  SERVICE ------ Hydraulic type; 4-wheel; 375 sq. in.
    Front ----------14 x 2-1/2; 134 sq. in. area
    Rear ---------- 15 x 4; 241 sq. in. area
  Booster, (Hydraulic) ---------- Long stroke; 7-dia; vacuum-operated
BUMPER, FRONT ------- Rigid, channel-type; painted
CAB ---------- All steel; welded; flexibily mounted
CLUTCH -- Diaphragm spring, single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ----------Juniper Green
COOLING SYSTEM ---- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX ----------13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ----------Above rear window
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ----------Two
  PROPELLER SHAFT BRG SUPPORTS --------- One
  UNIVERSAL JOINTS ---------- Three
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
  GROSS HP ---------- 110 @ 3600 RPM•
  GROSS TORQUE ---------- 192 ft lb @ 2000 RPM
FENDERS, COE TYPE ---------- Front only
FRAME ------- Ladder type with 6 cross members, channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK -----Back of seat in cab; 17-1/2 gal. cap.
GENERATOR ----------45 amp maximum rate
GRAB HANDLES ----------Left and right side
LIGHTS -------- 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW-----LH; long adjustable bracket
RUNNING BOARDS ----------Short, with step
SEAT ---------- Full width
SPARE WHEEL CARRIER ---------Underslung at rear
SPRINGS
  FRONT ---------- Semi-elliptic 11-leaf, 40 x 2; 2400 lb (ea) capacity at ground
  REAR ------Semi-elliptic 7800 lb (ea) cap. at ground
    MAIN ----------11-leaf, 46 x 2-1/2
    AUXILIARY----------6-leaf, 31 x 2-1/2
STEERING GEAR ------ Recirculating-ball type; 27.76 ratio; 18 dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ---------- Front and Dual Rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ----- 8250 lb cap. jack; tire iron; wheel wrench •
TOOL BOX ----------Under seat; 50 x 19 x 6
TRANSMISSION ---4-Speed, Synchro-mesh; shift lever mounted on floor; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD WIPERS ----------Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

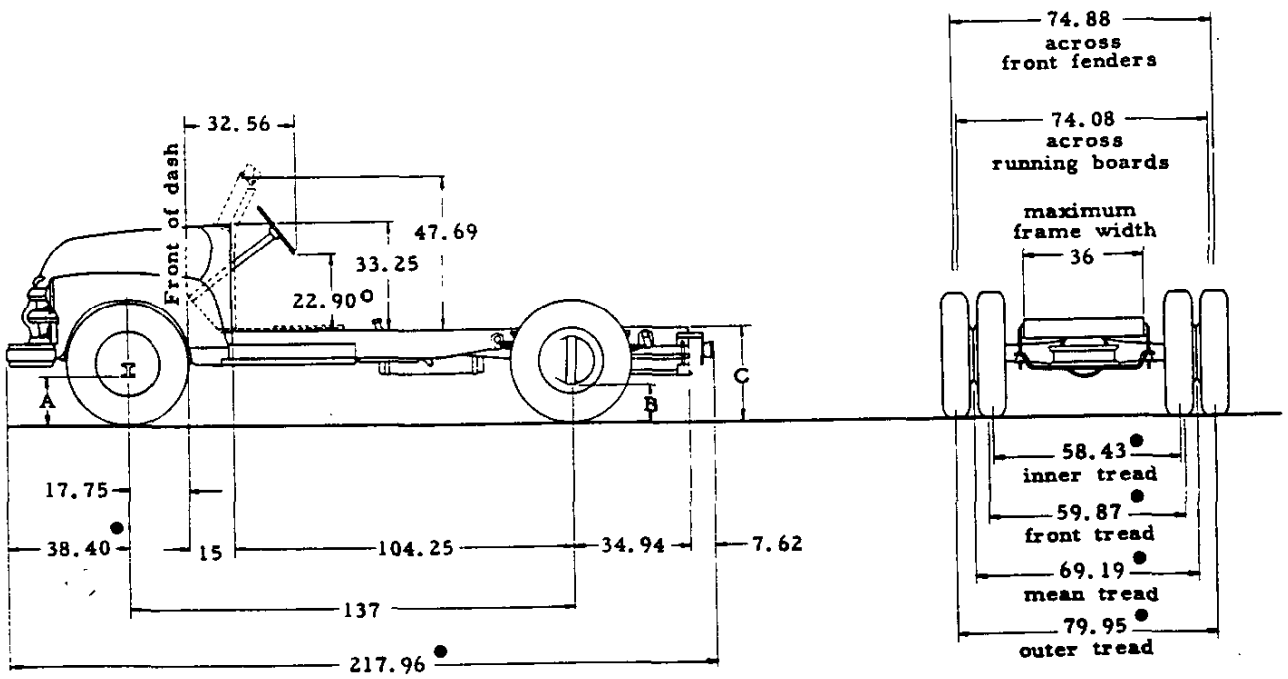
	Wt	Number	
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears.			
6.13 and 8.10 ratios ----------	105R	202	
6.70 and 8.86 ratios ----------	105R	201	
COLORS, VEHICLE: Solid ----------	*	234	
CORNER WINDOWS, CAB ----------	*	387	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner ---	*	217	
ENGINE, HEAVY DUTY			
Jobmaster, 261 cu. in. displ			
GROSS HP, 125 @ 3800 RPM			
GROSS TORQUE, 215 @ 1200-2000 RPM -	*	225	•
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp ----------	*	326	
50 amp - ----------	*	326	
GLASS EQUIPMENT, BODY			
Tinted ----------	*	399	
GOVERNOR: Range 2300-3200 RPM;			
Heavy Duty Engine, 2400-3400 RPM ----	*	241	x
MIRROR, REAR VIEW			
Short, RH or LH ----------	*	210	
Long, RH ----------	*	210	
OIL FILTER: AC make,			
2 quart capacity ----------	15F	237	
PLATE, IDENTIFICATION			
1-1/2 Ton Special ----------	*	402	
SEAT EQUIPMENT			
Unison ----------	*	264	x
SHOCK ABSORBERS: Direct double-acting			
Front, 1-3/8 diameter piston ----------	16F	200	
Rear, 1-3/8 diameter piston ----------	24R	200	
SIDE DOOR KEY LOCK			
Left Hand ----------	*	395	
SPRINGS, REAR: Two-stage; 11-leaf;			
5600 lbs (ea) capacity at ground--Minus	75R	268	
TANK, VACUUM RESERVE:			
1000 cu. in. capacity ----------	6F, 6R	281	
TIRES, MAXIMUM: RPO 291 mandatory			
Front, 8.25-20-10 pr; 2900 lb (ea) capacity ----------	40	343	
Dual Rear, 9.00-20-10 pr; 3450 lb (ea) capacity ----------	150	312	
VACUUM BOOSTER AND FUEL PUMP ----	*	340	
WHEELS (20 x 6.5)			
For 8.25 or 9.00 x 20 tires			
5 Wheels (For fleet users only) -------	25R	291	
7 Wheels ----------	10F, 25R	291	
WINDSHIELD WIPERS:			
Dual, Electric ----------	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, •-Data corrected. x-Data added.

CHASSIS AND BODY DIMENSIONS

Model 6102 (6102S) Flat Face Cowl Chassis
Model 6112 (6112S) Windshield Cowl Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.14	10.25	33.78
Minimum for Max GVW	12.14	10.80	34.56

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10 dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
6102(S)●	2175	1895	4070	2225	2055	4280	11650	Determined by style, length and weight of body.		
6112(S)●	2255	1905	4160	2305	2065	4370	11550			

● - Estimated weight

11-28-53. Revised: 5-1-54,● -Dimensions corrected.

MODEL 6102 (6102S) HEAVY DUTY FLAT FACE COWL CHASSIS
MODEL 6112 (6112S) HEAVY DUTY WINDSHIELD COWL CHASSIS

2 TON (1-1/2 Ton Special) NOMINAL RATING --- 137 WHEELBASE --- 16000 lb (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER --AC make, oil bath type, 1 qt capacity
AXLE, FRONT ---------- I-beam type; 4500 lb cap.
AXLE, REAR ----Full-floating type; 13000 lb capacity; hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity;
BRAKES
  PARKING --- Hand-operated on prop shaft; 35 sq. in.
  SERVICE ------ Hydraulic type; 4-wheel; 375 sq. in.
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
  BOOSTER (Hydraulic) ---------- Long stroke, 7 dia; vacuum-operated
BUMPER, FRONT ------- Rigid; channel type, painted
CLUTCH -- Diaphragm spring, single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX --------6102, 13-7/8 x 4-3/4 x 8-1/4; 6112, 13-1/2 x 5-1/2 x 8- 1/2
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ---------- Two
  PROPELLER SHAFT BRG SUPPORTS --------- One
  UNIVERSAL JOINTS ---------- Three
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ------- Ladder type with 5 cross members channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK ---------- Outside of frame on right side; 18 gallon capacity
GENERATOR ---------- 45 amp maximum rate
LIGHTS -------- 2 Head, 2 parking, and 1 tail and stop
RUNNING BOARDS ---------- Short
SEAT RISER ---------- 6112 only
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
  FRONT ---------- Semi-elliptic; 9-leaf, 40 x 2; 2200 lb (ea) capacity at ground
  REAR -----Semi-elliptic; 7800 lb (ea) cap. at ground
    MAIN ---------- 11-leaf, 46 x 2-1/2
    AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ------ Recirculating-ball type; 27.76 ratio; 18 dia wheel
TIRES ---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ------ 8250 lb capacity jack; tire changing iron; • wheel wrench
TOOL BOX (6112 only) ---------- 50 x 19 x 2-3/8
TRANSMISSION--- 4-Speed, Synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATOR ---------- Top of cowl
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD WIPERS
  6112 only ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

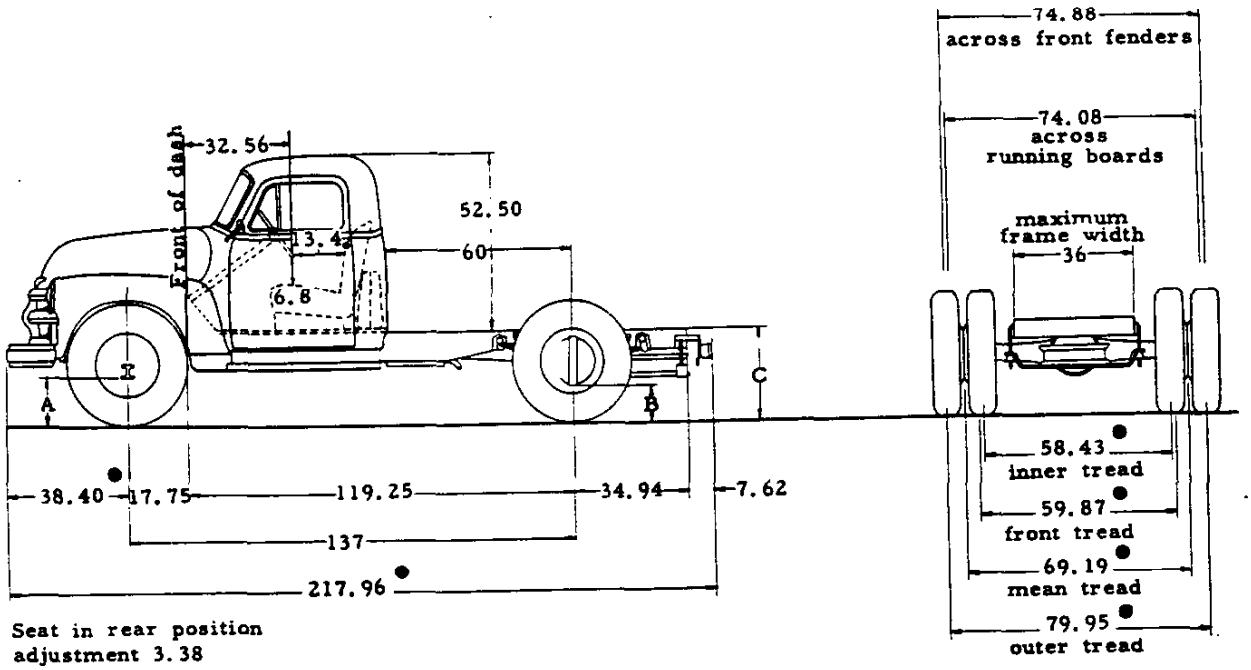
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears.		
6.13 and 8.10 ratios	104R	202
6.70 and 8.86 ratios	104R	201
COLORS, VEHICLE: Solid	*	234
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY: Jobmaster, 261 cu. in. displ Gross HP, 135 @ 4000 RPM Gross Torque, 220 ft lb @ 2000 RPM	*	225
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	27F	326
55 amp, low cut-in	24F	326
GOVERNOR: Range 2300-3200 RPM; Heavy Duty Engine, 2400-3400 RPM	*	241 x
OIL FILTER: AC make, 1 quart capacity	8F	237
2 quart capacity	15F	237
PLATE, IDENTIFICATION: 1-1/2 Ton Special	*	402
SHOCK ABSORBERS, FRONT: Direct double-acting type, 1-3/8 diameter piston	16F	200
SPRINGS, REAR: Two stage 11-leaf; 5600 lb (ea) capacity at ground-- Minus	75R	268
TANK, VACUUM RESERVE: 1000 cu. in. capacity	6F, 6R	281
TIRES, MAXIMUM: RPO 291 mandatory		
Front, 8.25-20-10pr; 2900 lb (ea) capacity	40F	343
Dual Rear, 9.00-20-10pr; 3450 lb (ea) capacity	150R	312
VACUUM BOOSTER AND FUEL PUMP	*	340
WHEELS: (20x6.5) For 8.25 or 9.00x20 tires; 5 Wheels (For fleet users only)	25R	291
7 Wheels	10F, 23R	291
WINDSHIELD WIPERS: (6112 only) Dual, Electric	*	320

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, •-Data corrected. x-Data added.

CHASSIS AND BODY DIMENSIONS

Model 6103 (6103S) Cab Chassis



Seat in rear position adjustment 3.38

Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.08	10.24	33.88
Minimum for Max GVW	12.08	10.78	34.57

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10 dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
6103(S)x	2465	2090	4555	2560	2205	4765	11200	7%	93%	96
								5%	95%	102
								3%	97%	108

11-28-53. Revised: 5-1-54,e -Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 6103 (6103S) HEAVY DUTY CAB CHASSIS

2 TON (1-1/2 Ton Special) NOMINAL RATING --- 137 WHEELBASE --- 16000 lb (Special, 15000lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER --- AC make, oil bath type, 1 qt capacity
AXLE, FRONT --------- I-beam type; 4500 lb capacity
AXLE, REAR ----Full-floating type; 13000 lb capacity; hypoid gears; 6.17 ratio
BATTERY ----------15 plate; 100 amp hr capacity
BRAKES:
PARKING ---Hand-operated on prop shaft; 35 sq. in.
SERVICE ------ Hydraulic type; 4-wheel; 375 sq. in.
FRONT ----------14 x 2-1/2; 134 sq. in. area
REAR ----------15 x 4; 241 sq. in. area
BOOSTER (Hydraulic) ----------Long stroke, 7 dia; vacuum-operated
BUMPER, FRONT ------- Rigid, channel type; painted
CAB ----------All-steel; welded; flexibly mounted
CLUTCH---Diaphragm spring, single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core; 4 lb press. cap. 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ----------Above rear window
DRIVE SYSTEM ----------Hotchkiss
PROPELLER SHAFTS ----------Two
PROPELLER SHAFT BRG SUPPORTS --------- One
UNIVERSAL JOINTS ---------- Three
ENGINE ----------Loadmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ----------200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME -------Ladder type with 5 cross members, channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK ------ Back of seat in cab; 17-1/2 gal cap.
GENERATOR ----------45 amp maximum rate
LIGHTS --------2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW-----LH; long adjustable bracket
RUNNING BOARDS ---------- Short
SEAT ---------- Full width
SPARE WHEEL CARRIER ---------Underslung at rear
SPRINGS
FRONT ---------- Semi-elliptic; 9-leaf, 40 x 2; 2000 lb (ea) cap. at ground
REAR------ Semi-elliptic; 7800 lb (ea) cap. at ground
MAIN ---------- 11-leaf, 46 x 2-1/2
AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ------ Recirculating-ball type; 27.76 ratio; 18 dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ----------Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ------ 8250 lb capacity jack; tire changing iron; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION----4-Speed, Synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS ----------Top of cowl and ventipanes
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

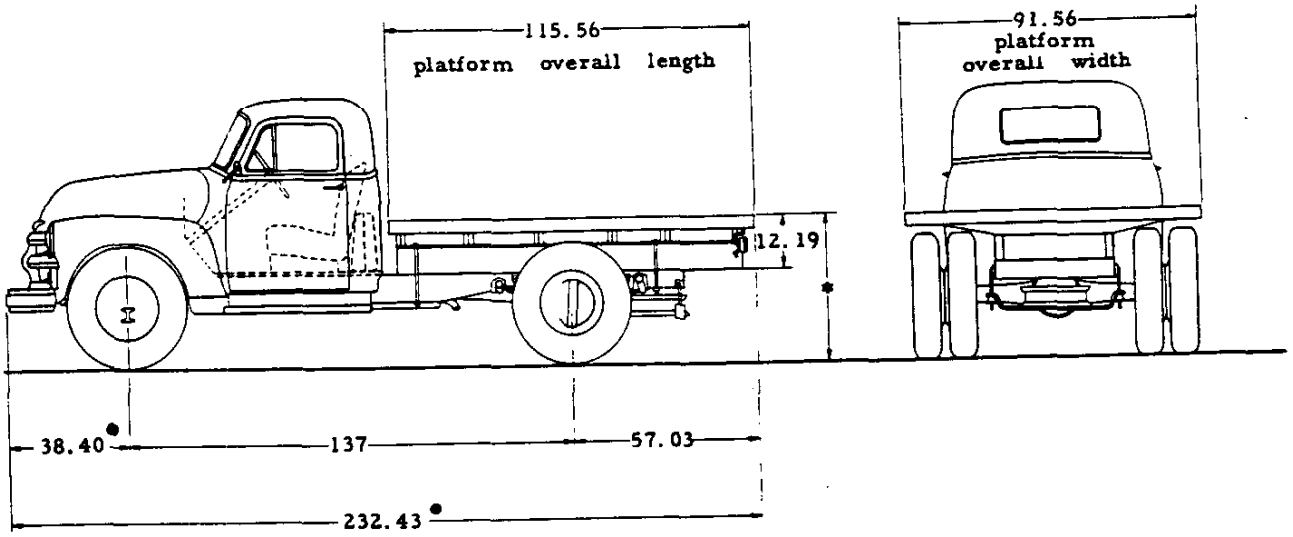
	Wt	Number
AXLES, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears.		
6.13 and 8.10 ratios ----------104R		202
6.70 and 8.86 ratios ---------- 104R		201
COLORS, VEHICLE: Solid ---------- *		234
CORNER WINDOWS, CAB		
Clear or tinted ---------- *		387
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner ---- *		217
ENGINE, HEAVY DUTY:		
Jobmaster, 261 cu. in. displ		
Gross HP, 135 @ 4000 RPM		
Gross Torque, 220 ft lb @ 2000 RPM ---- *		225
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp ---------- *		326
50 amp ---------- *		326
55 amp ----------27F		326
55 amp, low cut-in ---------- 24F		326
GLASS EQUIPMENT, BODY:		
Tinted ---------- *		399
GOVERNOR: Range 2300-3200 RPM;		
Heavy Duty Engine, 2400-3400 RPM ---- *		241x
MIRROR, REAR VIEW:		
Short, RH or LH ---------- *		210
Long, RH ---------- *		210
OIL FILTER: AC make,		
1 quart capacity ---------- 8F		237
2 quart capacity ---------- 15F		237
PLATE, IDENTIFICATION:		
1-1/2 Ton Special ---------- *		402
SHOCK ABSORBERS, FRONT:		
Direct double-acting type; 1-3/8 dia piston ----------16F		200
SIDE DOOR KEY LOCK:		
Left side ---------- *		395
SPRINGS, REAR:		
Two-stage 11-leaf; 5600 lb (ea) capacity at ground ---------- Minus 75R		268
TANK, VACUUM RESERVE:		
1000 cu. in. capacity ----------6F, 6R		281
TIRES, MAXIMUM: RPO 291 mandatory		
Front, 8.25-20-10pr; 2900 lb (ea) capacity ---------- 40F		343
Dual Rear, 9.00-20-10pr; 3450 lb (ea) capacity ---------- 150R		317
VACUUM BOOSTER AND FUEL PUMP---- *		340
WHEELS: (20 x 6.5) For 8.25 or 9.00 x 20 tires		
5 Wheels (For fleet users only) ------- 25R		291
7 Wheels ----------10F, 25R		291
WINDSHIELD WIPERS:		
Dual, Electric ---------- *		320

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, e-Data corrected. x-Data added.

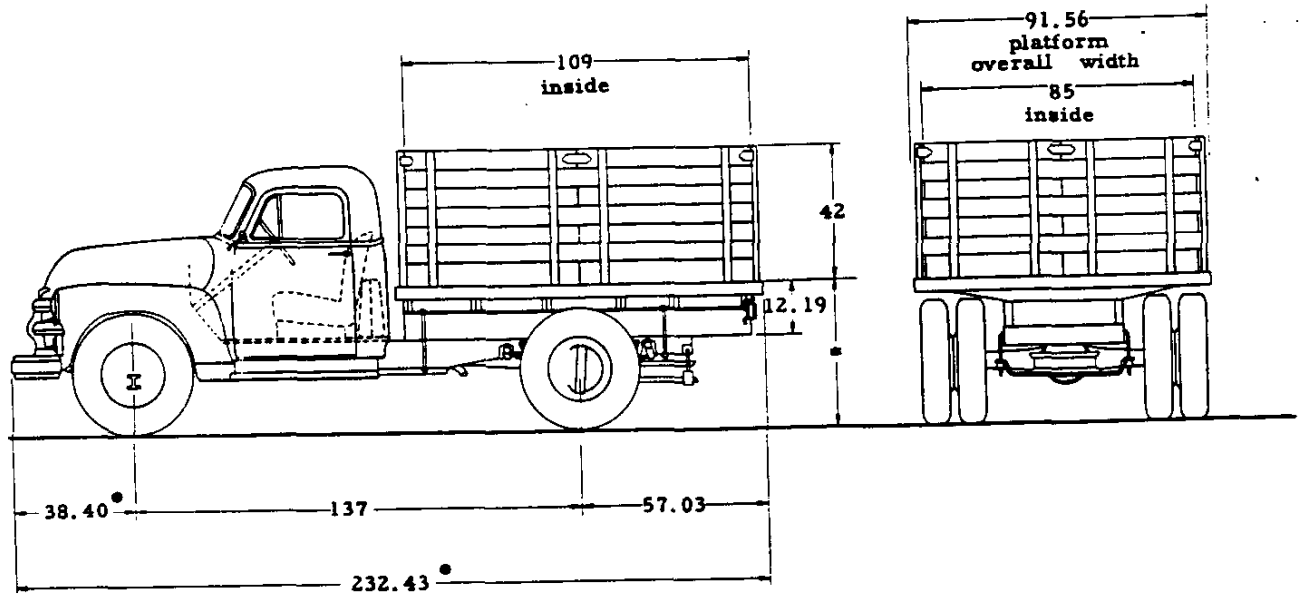
CHASSIS AND BODY DIMENSIONS

Model 6108 (6108S) Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	42.98	46.55	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	43.57	47.31	7.50-20-8pr	8.25-20-10pr dual

Model 6109 (6109S) Stake Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	42.98	46.40	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	43.57	47.14	7.50-20-8pr	8.25-20-10pr dual

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
6108(S)●	2455	2570	5025	2545	2685	5230	10700	0%	100%	115.56
6109(S)●	2465	2860	5325	2555	2975	5530	10400	1%	99%	109.00

● - Estimated weight

11-28-53. Revised: 5-1-54,● -Dimensions corrected.

MODEL 6108 (6108S) HEAVY DUTY PLATFORM TRUCK
MODEL 6109 (6109S) HEAVY DUTY STAKE TRUCK

2 TON (1-1/2 Ton Special) NOMINAL RATING --- 137 WHEELBASE --- 16000lb (Special, 15000lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---------- AC make, oil bath type 1 quart capacity
AXLE, FRONT --------- I-beam type; 4500 lb capacity
AXLE, REAR ---- Full-floating type; 13000 lb capacity; hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY --- Nominal 9-foot wood platform body with steel skid strips. Steel cross sills, and full length wood side sills. Entire platform is bound by a steel channel-type rub rail with stake pocket integrally formed. 6109 is equipped with a 42 high stake rack.
BRAKES
  PARKING --- Hand-operated on prop shaft; 35 sq. in.
  SERVICE ------- Hydraulic type; 4-wheel; 375 sq. in.
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
  BOOSTER (Hydraulic) ---------- Long stroke, 7 dia; vacuum-operated
BUMPER, FRONT ------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH --- Diaphragm spring, single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ---------- Two
  PROPELLER SHAFT BRG SUPPORTS ---------- One
  UNIVERSAL JOINTS ---------- Three
ENGINE ---------- Loadmaster 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ------- Ladder type with 5 crossmembers, channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK ------ Back of seat in cab; 17-1/2 gal cap;
GENERATOR ---------- 45 amp maximum rate
LIGHTS -------- 2 Head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW ----- LH; long adjustable bracket
RUNNING BOARDS ---------- Short
SEAT ---------- Full width
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
  FRONT ---------- Semi-elliptic 9-leaf, 40 x 2; 2200 lb (ea) cap. at ground
  REAR ---- Semi-elliptic, 7800 lb (ea) cap. at ground
    MAIN ---------- 11-leaf, 46 x 2-1/2
    AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ------- Recirculating-ball type; 27.76 ratio; 18 dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ---------- 8250 lb capacity jack; tire changing iron; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION ---- 4-Speed Synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS ---------- Top of cowl and ventipanes
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

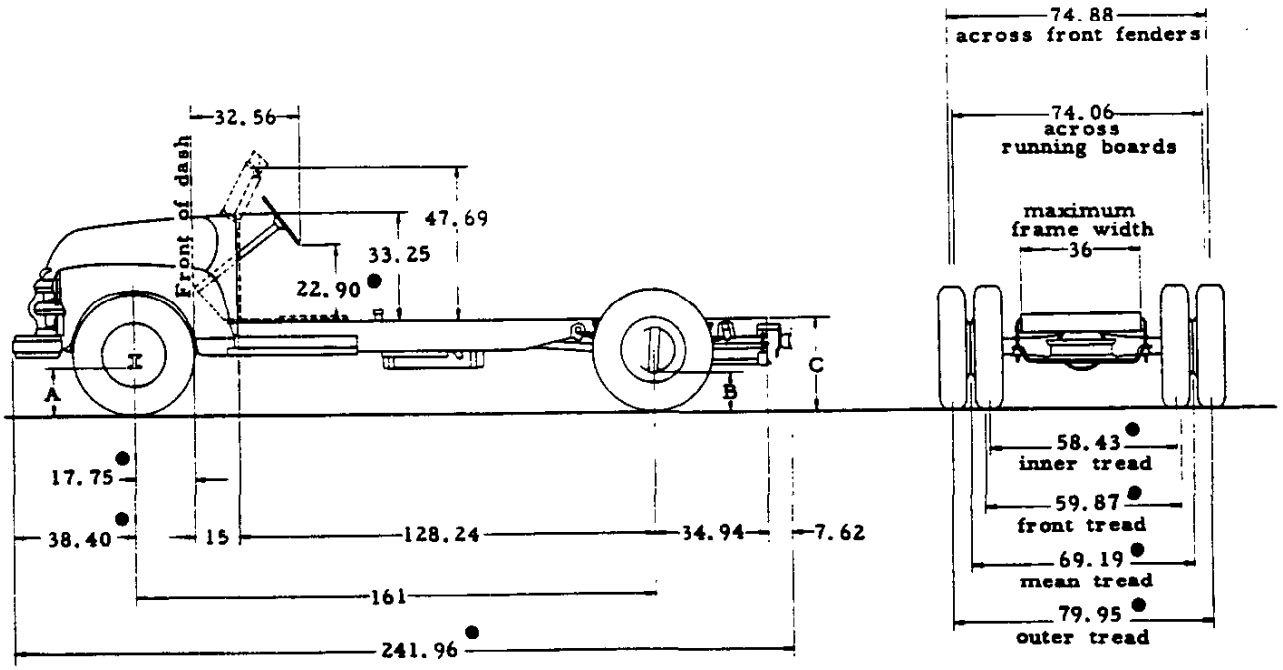
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears.		
6.13 and 8.10 ratios	104R	202
6.70 and 8.86 ratios	104R	201
COLORS, VEHICLE: Solid	*	234
CORNER WINDOWS, CAB:		
Clear or tinted	*	387
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY:		
Jobmaster, 261 cu. in. displ Gross HP, 135 @ 4000 RPM Gross Torque, 220 ft lb @ 2000 RPM	*	225
GENERATOR: Including voltage and current regulator and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	27F	326
55 amp, low cut-in	24F	326
GLASS EQUIPMENT, BODY:		
Tinted	*	399
GOVERNOR: Range, 2300-3200 RPM;		
Heavy Duty Engine, 2400-3400 RPM	*	241 x
MIRROR, REAR VIEW:		
Long, RH	*	210
OIL FILTER: AC make		
1 quart capacity	8F	237
2 quart capacity	15F	237
PLATE, IDENTIFICATION:		
1-1/2 Ton Special	*	402
SHOCK ABSORBERS, FRONT:		
Direct double-acting type, 1-3/8 diameter piston	16F	200
SIDE DOOR KEY LOCK		
Left side	*	395
SPRINGS, REAR		
11-leaf, two-stage; 5600 lb (ea) capacity at ground	Minus 75R	268
TANK, VACUUM RESERVE:		
1000 cu. in. capacity	6F, 6R	281
TIRES, MAXIMUM: (RPO 291 mandatory)		
Front and Dual Rear; 8.25-20-12pr; 3150 lb (ea) capacity	56F, 118R	344
VACUUM BOOSTER AND FUEL PUMP	*	340
WHEELS (20 x 6.5)		
For 8.25 x 20 tires, 5 Wheels (For fleet users only)	25R	291
7 Wheels	10F, 25R	291
WINDSHIELD WIPERS:		
Dual, Electric	*	320

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, e-Data corrected. x-Data added.

CHASSIS AND BODY DIMENSIONS

Model 6402 (6402S) Flat Face Cowl Chassis
Model 6412 (6412S) Windshield Cowl Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.11	10.24	33.69
Minimum for Max GVW	12.11	10.78	34.32

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10 dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
6402(S)x	2240	1935	4175	2305	2080	4385	11550	Determined by style, length and weight of body.		
6412(S)●	2315	1925	4240	2380	2070	4450	11500			

●-Estimated Weight

11-28-53. Revised: 5-1-54,● -Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 6402 (6402S) HEAVY DUTY FLAT FACE COWL CHASSIS
MODEL 6412 (6412S) HEAVY DUTY WINDSHIELD COWL CHASSIS

2 TON (1-1/2 Ton Special) NOMINAL RATING -- 161 WHEELBASE -- 16000 lb (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---AC make; oil bath type; 1 qt capacity
AXLE, FRONT ------ I-beam type; 4500 lb capacity
AXLE, REAR -- Full-floating type; 13000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BRAKES
  PARKING ---Hand-operated on prop shaft; 35 sq. in.
  SERVICE ----- Hydraulic type; 4-wheel; 375 sq. in.
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
  BOOSTER (hydraulic) --------- Long stroke; 7 dia; vacuum-operated
BUMPER, FRONT ------ Rigid, channel-type; painted
CLUTCH --Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM-----Cellular radiator core; 4 lb press cap. 407 sq in frontal area; 18 quart capacity
DISPATCH BOX --- 6402 -- 13-7/8 x 4-3/4 x 8-1/4; 6412 -- 13-1/2 x 5-1/2 x 8-1/2
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ---------- Two
  PROPELLER SHAFT BRG SUPPORTS -------- One
  UNIVERSAL JOINTS ---------- Three
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ------- Ladder type with 6 cross members, channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in^3
FUEL TANK --Outside of frame on right; 18 gal cap.
GENERATOR ---------- 45 amp maximum rate
LIGHTS ------- 2 head, 2 parking, and 1 tail and stop;
RUNNING BOARDS ---------- Short
SEAT RISER ---------- 6412 only
SPARE WHEEL CARRIER ------- Underslung at rear
SPRINGS
  FRONT --------- Semi-elliptic; 9-leaf, 40 x 2; 2200 lbs (ea) capacity at ground
  REAR --- Semi-elliptic; 7800 lb (ea) cap. at ground
    MAIN ---------- 11-leaf, 46 x 2-1/2
    AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ----- Recirculating-ball type; 27.76 ratio; 18-inch dia wheel
TIRES ---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS-------8250 lb capacity jack; tire changing iron; wheel wrench
TOOL BOX (6412 only) ---------- 50 x 19 x 2-3/8
TRANSMISSION -- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATOR ---------- Top of cowl
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD WIPERS (6412 only) -Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

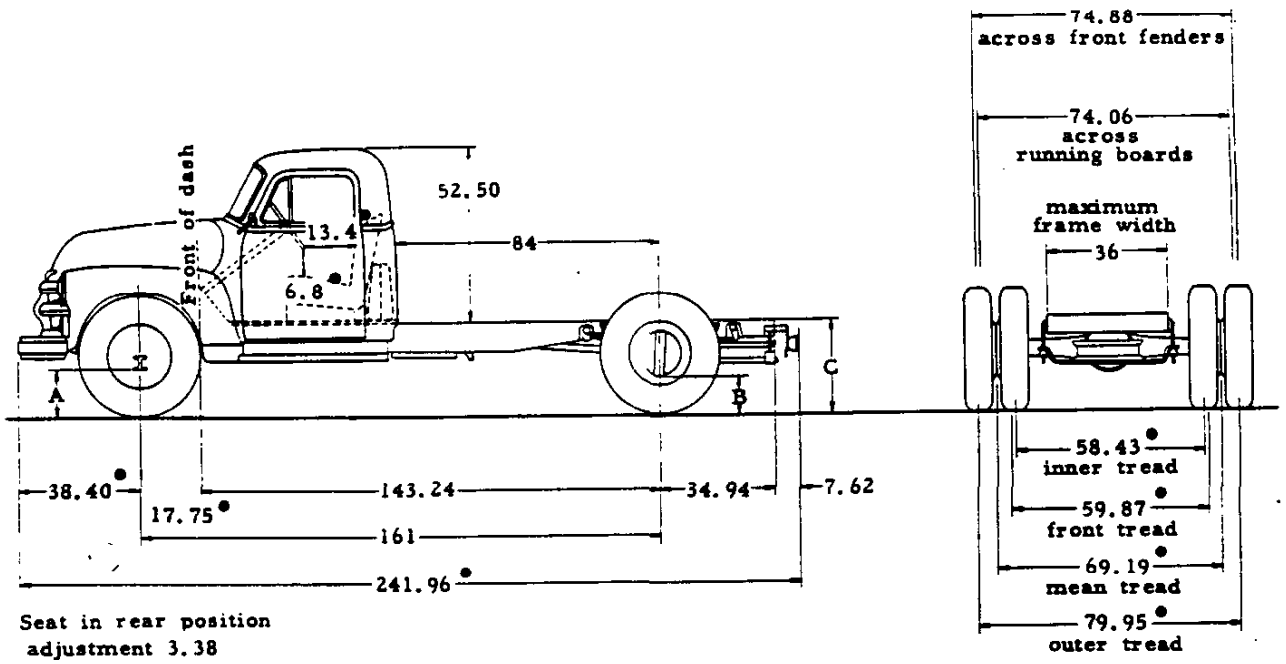
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears.		
6.13 and 8.10 ratios	104R	202
6.70 and 8.86 ratios	104R	201
COLORS, VEHICLE: Solid	*	234
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY:		
Jobmaster, 261 cu. in. displ		
Gross HP, 135 @ 4000 RPM		
Gross Torque, 220 ft lb @ 2000 RPM	*	225
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	27F	326
55 amp low cut-in	24F	326
GOVERNOR: Range 2300-3200 RPM;		
Heavy Duty Engine, 2400-3400 RPM	*	241 x
MIRROR, REAR VIEW: Long, LH	*	210
OIL FILTER: AC make,		
1 quart capacity	8F	237
2 quart capacity	15F	237
PLATE, IDENTIFICATION:		
1-1/2 Ton Special	*	402
SHOCK ABSORBERS: FRONT,		
Direct double-acting, 1-3/8 diameter piston	16F	200
SPRINGS, REAR: Two-stage, 11-leaf;		
5600 lb (ea) capacity at ground	Minus 75R	268
TANK, VACUUM RESERVE:		
1000 cu. in. capacity	6F, 6R	281
TIRES, MAXIMUM: RPO 291 mandatory,		
Front, 8.25-20-10pr; 2900 lb (ea) capacity	40F	343
Dual Rear, 9.00-20-10pr; 3450 lb (ea) capacity	150R	312
VACUUM BOOSTER AND FUEL PUMP	*	340
WHEELS: (20 x 6.5)		
For 8.25 or 9.00 x 20 tires:		
5 Wheels (For fleet users only)	25R	291
7 Wheels	10F, 25R	291
WINDSHIELD WIPERS: (6412 only)		
Dual, Electric	*	320

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, e-Data corrected. x-Data added.

CHASSIS AND BODY DIMENSIONS

Model 6403 (6403S) Cab Chassis



Seat in rear position
adjustment 3.38

Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.06	10.22	33.68
Minimum for Max GVW	12.06	10.76	34.34

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10pr dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
6403(S)x	2545	2085	4630	2645	2195	4840	11100	14%	86%	120
								10%	90%	132
								6%	94%	144

11-28-53. Revised: 5-1-54, e-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 6403 (6403S) HEAVY DUTY CAB CHASSIS

2 TON (1-1/2 Ton Special) NOMINAL RATING --- 161 WHEELBASE --- 16000 lb (Special, 15000 lb)MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER ---AC make, oil bath type; 1 qt capacity
AXLE, FRONT ---------I-beam type; 4500 lb capacity
AXLE, REAR ---- Full-floating type; 13000 lb capacity; hypoid gears; 6.17 ratio
BATTERY ----------15 plate; 100 amp hr capacity
BRAKES
  PARKING --- Hand-operated on prop shaft; 35 sq. in.
  SERVICE ------ Hydraulic type; 4-wheel; 375 sq. in.
    FRONT ----------14 x 2-1/2; 134 sq. in. area
    REAR ----------15 x 4; 241 sq. in. area
  BOOSTER (Hydraulic) ---------- Long stroke; 7 dia vacuum-operated
BUMPER, FRONT -------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH -- Diaphragm spring, single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core; 4 lb press. cap; 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ----------Above rear window
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ----------Two
  PROPELLER SHAFT BRG SUPPORTS --------- One
  UNIVERSAL JOINTS ---------- Three
ENGINE ----------Loadmaster; 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ----------Front only
FRAME ------- Ladder type with 6 cross members, channel side rails 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK ------Back of seat in cab; 17-1/2 gal cap.
GENERATOR ---------- 45 amp maximum rate
LIGHTS -------- 2 Head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW ---- LH, long adjustable bracket
RUNNING BOARDS ----------Short
SEAT ----------Full width
SPARE WHEEL CARRIER ---------Underslung at rear
SPRINGS
  FRONT ---------- Semi-elliptic 9-leaf, 40 x 2; 2200 lb (ea) cap. at ground
  REAR---Semi-elliptic, 7800 lb (ea) capacity at ground
    MAIN ---------- 11-leaf, 46 x 2-1/2
    AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ------ Recirculating-ball type, 27.76 ratio; 18 dia wheel
SUNSHADE ---------- Adjustable, for driver
TIRES ---------- Front and Dual Rear, 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ------ 8250 lb capacity jack; tire changing iron; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION----4-Speed Synchro-mesh; Shift-lever on transmission; provision for power take-off on left side
VENTILATORS ----------Top of cowl and ventipanes
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD WIPERS ----------Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

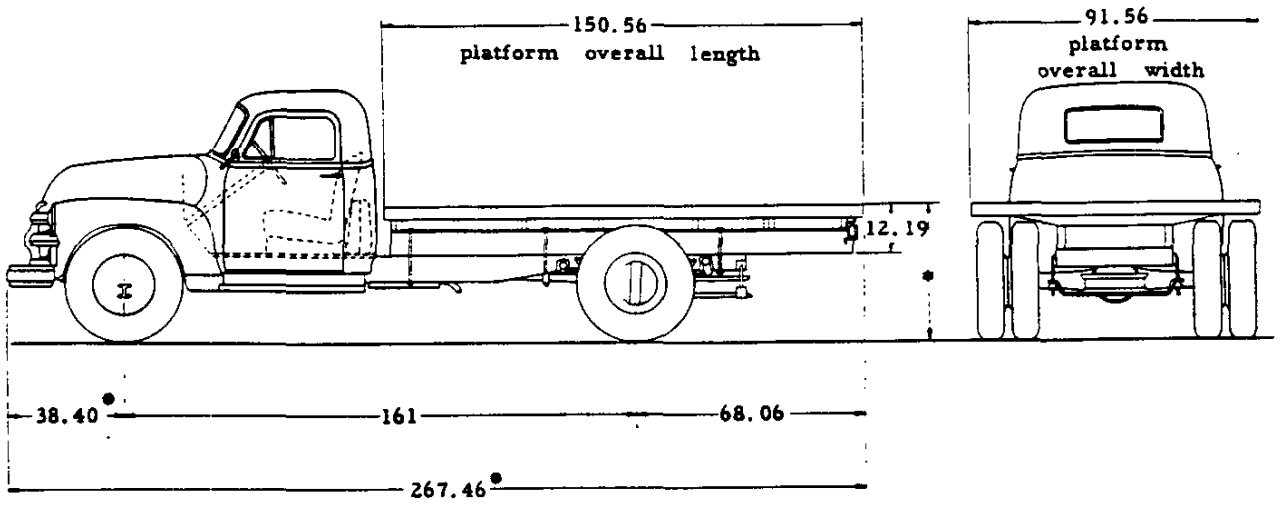
	Wt	Number	
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; hypoid primary gears,			
6.13 and 8.10 ratios	104R	202	
6.70 and 8.86 ratios	104 R	201	
COLORS, VEHICLE: Solid	*	234	
CORNER WINDOWS, CAB	*	387	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
ENGINE, HEAVY DUTY: Jobmaster, 261 cu. in. displ Gross HP 135,@ 4000 RPM Gross Torque, 220 ft lb @ 2000 RPM	*	225	
GENERATOR: Including voltage and current regulator, and pulley, for high output			
40 amp	*	326	
50 amp	*	326	
55 amp	27F	326	
55 amp, low cut-in	24F	326	
GLASS EQUIPMENT, BODY: Tinted	*	399	
GOVERNOR: Range, 2300-3200 RPM; Heavy Duty Engine, 2400-3400 RPM	*	241	x
MIRROR, REAR VIEW:			
Short, RH or LH	*	210	
Long, RH	*	210	
OIL FILTER: AC make,			
1 quart capacity	8F	237	
2 quart capacity	15F	237	
PLATE, IDENTIFICATION: 1-1/2 Ton Special	*	402	
SHOCK ABSORBERS: Front, Direct double-acting type; 1-3/8 dia piston	16F	200	
SIDE DOOR KEY LOCK, LH	*	395	
SPRINGS, REAR: Two-stage, 11-leaf; 5600 lb (ea) capacity at ground	Minus 75R	268	
TANK, VACUUM RESERVE: 1000 cu. in. capacity	6F, 6R	281	
TIRES, MAXIMUM (RPO 291 mandatory)			
Front, 8.25-20-10pr; 2900 lb (ea) capacity	40F	343	
Dual Rear, 9.00-20-10pr; 3450 lb (ea) capacity	150R	312	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WHEELS: (20 x 6.5) For 8.25 or 9.00 x 20 tires			
5 Wheels (For fleet users only)	25R	291	
7 Wheels	10F, 25R	291	
WINDSHIELD WIPERS: Dual, Electric	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, e-Data corrected. x-Data added.

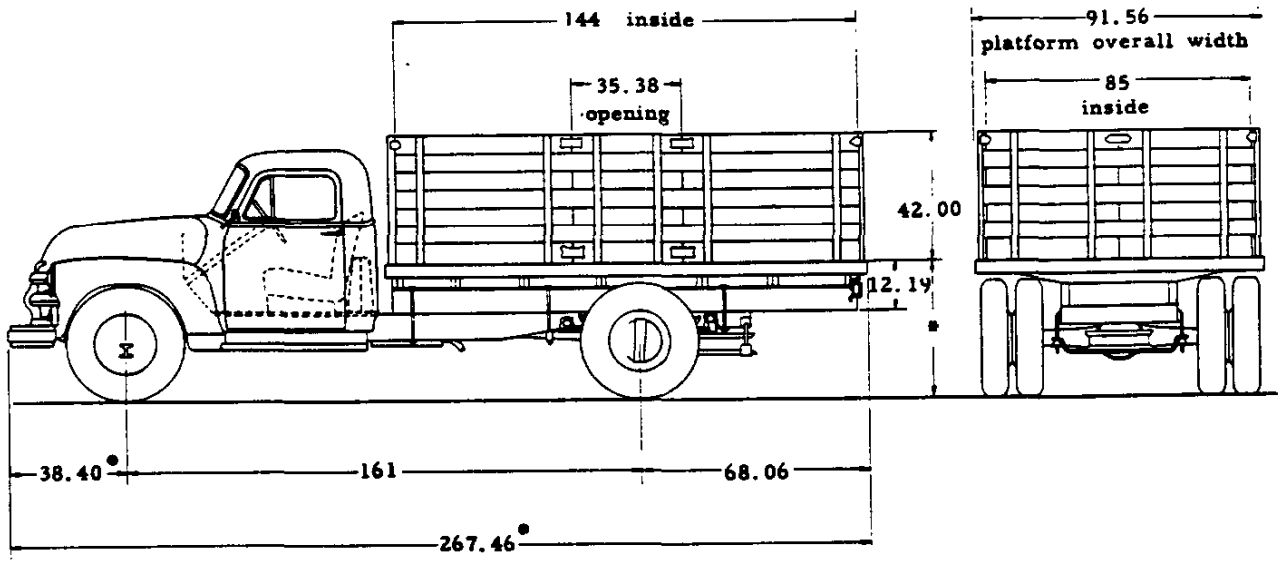
CHASSIS AND BODY DIMENSIONS

Model 6408 (6408S) Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	43.27	46.47	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	43.80	47.25	7.50-20-8pr	8.25-20-10pr dual

Model 6409 (6409S) Stake Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	43.27	46.30	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	43.80	47.08	7.50-20-8pr	8.25-20-10pr dual

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
6408(S)x	2565	2770	5535	2665	2880	5545	10400	4%	96%	150.56
6409(S)x	2620	3025	5645	2720	3135	5855	10100	5%	95%	144.00

11-28-53. Revised: 5-1-54, e-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 6408 (6408S) HEAVY DUTY PLATFORM TRUCK
MODEL 6409 (6409S) HEAVY DUTY STAKE TRUCK

2 TON (1-1/2 Ton Special) NOMINAL RATING -- 161 WHEELBASE -- 16000 lb (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER---AC make, oil bath type, 1 qt capacity
AXLE, FRONT----------I-beam type; 4500 lb capacity
AXLE, REAR---- Full-floating type; 13000 lb capacity; hypoid gears; 6.17 ratio
BATTERY---------- 15 plate; 100 amp hr capacity
BODY----Nominal 12-foot wood platform body with steel skid strips. Steel cross sills, and full length wood side sills. Entire platform is bound by a steel channel-type rub rail with stake pockets integrally formed. 6409 is equipped with 42 high stake rack.
BRAKES
  PARKING----Hand operated, on prop shaft, 35 sq.in.
  SERVICE------- Hydraulic type; 4-wheel; 375 sq.in.
    FRONT---------- 14 x 2-1/2; 134 sq.in. area
    REAR----------15 x 4; 241 sq.in. area
  BOOSTER (Hydraulic)----------Long stroke, 7 dia; vacuum-operated
BUMPER, FRONT--------Rigid, channel-type; painted
CAB---------- All-steel; welded; flexibly mounted
CLUTCH---Diaphragm spring, single disc type; 11 dia; 123.7 sq.in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE----------Juniper Green
COOLING SYSTEM----- Cellular radiator core, 4 lb press. cap. 407 sq.in.frontal area; 18 quart capacity
DISPATCH BOX---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT---------- Above rear window
DRIVE SYSTEM----------Hotchkiss
  PROPELLER SHAFTS---------- Two
  PROPELLER SHAFT BRG SUPPORTS ----------One
  UNIVERSAL JOINTS---------- Three
ENGINE ----------Loadmaster; 235.5 cu.in. displ
  GROSS HP---------- 112 @ 3700 RPM
  GROSS TORQUE----------200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME-------Ladder type with 6 cross members channel side rails, 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK-------Back of seat in cab; 17-1/2 gal.cap.
GENERATOR----------45 amp maximum rate
LIGHTS ---------- 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW----- LH; long adjustable bracket
RUNNING BOARDS---------- Short
SEAT----------Full width
SPARE WHEEL CARRIER --------- Underslung at rear
SPRINGS
  FRONT---------- Semi-elliptic; 9-leaf, 40 x 2; 2200 lb (ea) capacity at ground
  REAR ----- Semi-elliptic; 7800 lb (ea) cap. at ground
    MAIN---------- 11-leaf, 46 x 2-1/2
    AUXILIARY---------- 6-leaf, 31 x 2-1/2
STEERING GEAR------- Recirculating-ball type; 27.76 ratio; 18-inch dia wheel
SUNSHADE---------- Adjustable; for driver
TIRES---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS -------8250 lb capacity jack; tire changing iron; wheel wrench
TOOL BOX---------- Under seat; 50 x 19 x 6
TRANSMISSION- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS----------Top of cowl and ventipanes
WHEELS ----------Wide-base rim; 20 x 6.0; 7 wheels
WINDSHIELD
  WIPERS---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

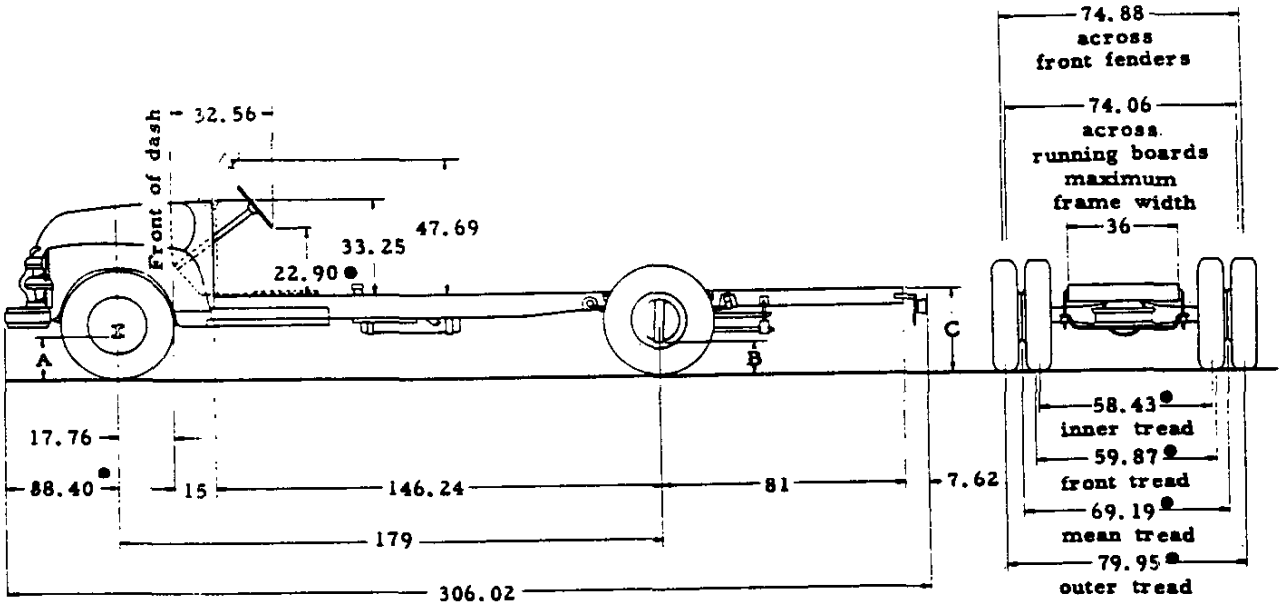
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; hypoid primary gears		
6.13 and 8.10 ratios----------	104R	202
6.70 and 8.86 ratios----------	104R	201
COLORS, VEHICLE: Solid----------	*	234
CORNER WINDOWS, CAB----------	*	387
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner----	*	217
ENGINE, HEAVY DUTY: Jobmaster, 261 cu.in. displ Gross HP, 135 @ 4000 RPM Gross Torque, 220 @ 2000 RPM--------	*	225
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp----------	*	326
50 amp----------	*	326
55 amp----------	27F	326
55 amp, Low cut-in----------	24F	326
GLASS EQUIPMENT, BODY: Tinted------	*	399
GOVERNOR: Range 2300-3200 RPM, Heavy Duty Engine, 2400-3400 RPM-----	*	241
MIRROR, REAR VIEW: Long, LH--------	*	210
OIL FILTER: AC make;		
1 quart capacity----------	8F	237
2 quart capacity----------	15F	237
PLATE, IDENTIFICATION:		
1-1/2 Ton Special----------	*	402
SHOCK ABSORBERS, FRONT: Direct double-acting type; 1-3/8 dia piston----------	16F	200
SIDE DOOR KEY LOCK: LH----------	*	395
SPRINGS, REAR: Two-stage 11-leaf, 5600 lb (ea) cap. at ground------	Minus 75R	268
TANK, VACUUM RESERVE: 1000 cu. in. capacity----------	6F, 6R	281
TIRES, MAXIMUM: (RPO 291 mandatory) Front and Dual Rear, 8.25-20-12pr; 3150 lb (ea) capacity----------	56F, 116R	344
VACUUM BOOSTER AND FUEL PUMP-----	*	340
WHEELS: (20 x 6.5) for 8.25 x 20 tires, 5 Wheels (For fleet users only)--------	25R	291
7 Wheels----------	10F, 25R	291
x WINDSHIELD WIPERS: Dual, Electric----------	*	320

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, e-Data corrected. x-Data added.

CHASSIS AND BODY DIMENSIONS

Model 6502 (6502S) Flat Face Cowl Chassis
Model 6512 (6512S) Windshield Cowl Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.13	10.22	34.71
Minimum for Max GVW	12.13	10.78	35.52

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10 dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload●	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
6502 (S) x	2240	2065	4305	2305	2210	4515	11450	Determined by style, length and weight of body.		
6512 (S) ●	2300	2070	4370	2365	2215	4580	11350			

●-Estimated weight

11-28-53. Revised: 5-1-54, e-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 6502 (6502S) HEAVY DUTY FLAT FACE COWL CHASSIS
MODEL 6512 (6512S) HEAVY DUTY WINDSHIELD COWL CHASSIS

2 TON (1-1/2 Ton Special) NOMINAL RATING -- 179 WHEELBASE -- 16000 lb (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER-AC make; oil bath type; 1 qt capacity
AXLE, FRONT ------- I-beam type; 4500 lb capacity
AXLE, REAR -- Full-floating type; 13000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ----------15 plate; 100 amp hr capacity;
BRAKES
  PARKING--Hand-operated on prop shaft; 35 sq. in.
  SERVICE ----- Hydraulic type; 4-wheel;375 sq. in.
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR---------- 15 x 4; 241 sq. in. area
  BOOSTER (hydraulic) -------- Long stroke; 7 dia; vacuum-operated
BUMPER, FRONT ------ Rigid, channel-type; painted
CLUTCH--Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ------ Cellular radiator core; 4 lb press. cap; 407 sq.in. frontal area; 18 quart capacity
DISPATCH BOX ---- 6502 - 13-7/8 x 4-3/4 x 8-1/4; 6512 - 13-1/2 x 5-1/2 x 8-1/2
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ---------- Three
  PROPELLER SHAFT BRG SUPPORTS ------- Two
  UNIVERSAL JOINTS ---------- Four
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ----------200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ------ Ladder type with 7 cross members; channel side rails, 8-7/8 x 2-7/8 x 1/4; section modulus, 8.80 in.^{3}
FUEL TANK ------- Outside of frame on right side; 18 gallon capacity
GENERATOR ---------- 45 amp maximum rate
LIGHTS -----2 head, 2 parking, and 1 tail and stop
RUNNING BOARDS ---------- Short
SEAT RISER---------- 6512 only
SPARE WHEEL CARRIER ------- Underslung at rear
SPRINGS ---------- Semi-elliptic
  FRONT -- 9-leaf, 40 x 2; 2200 lb (ea)cap. at ground
  REAR ----------7800 lb (ea)cap. at ground
    MAIN ---------- 11-leaf, 46 x 2-1/2
    AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ----- Recirculating-ball type; 27.76 ratio; 18-inch dia wheel
TIRES ---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ------ 8250 lb capacity jack; tire changing iron; wheel wrench
TOOL BOX (6512 only) ---------- 50 x 19 x 2-3/8
TRANSMISSION --- 4-speed synchro-mesh; shift lever on transmission; provision for power take-off on left sidd
VENTILATOR ---------- Top of cowl
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD WIPERS
  (6512 only) ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

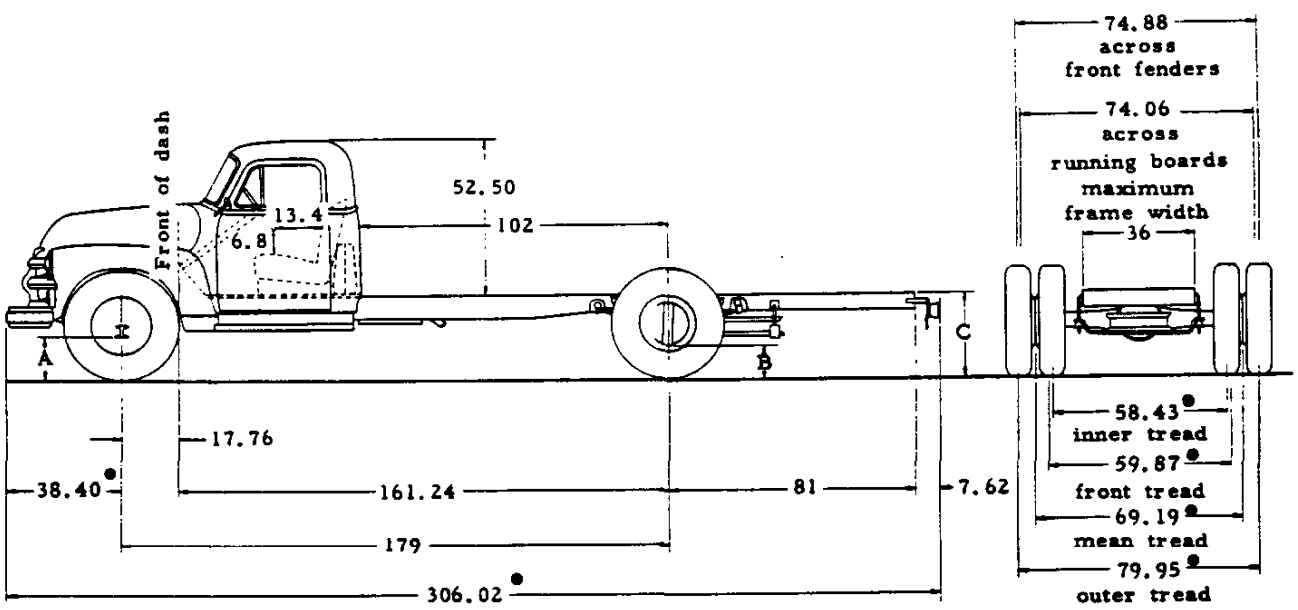
	Wt	Number	
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; hypoid primary gears.			
6.13 and 8.10 ratios ----------105R		202	
6.70 and 8.86 ratios ----------105R		201	
COLORS, VEHICLE: Solid ---------- *		234	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
ENGINE, HEAVY DUTY:			
Jobmaster, 261 cu. in. displ			
Gross HP, 135 @ 4000 RPM			
Gross Torque, 220 ft lb @ 2000 RPM---*		225	
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp ---------- *		326	
50 amp ---------- *		326	
55 amp ---------- 27F		326	
55 amp, low cut-in ---------- 24F		326	
GOVERNOR: Range 2300-3200 RPM;			
Heavy Duty Engine, 2400-3400 RPM---*		241	x
OIL FILTER: AC make,			
1 quart capacity ----------8F		237	
2 quart capacity ----------15F		237	
PLATE, IDENTIFICATION:			
1-1/2 Ton Special ---------- *		402	
SHOCK ABSORBERS, FRONT:			
Direct double-acting type;			
1-3/8 dia piston ---------- 16F		200	
SPRINGS, REAR:			
Two-stage, 11-leaf; 5600 lb (ea) capacity at ground ---------- Minus 75R		268	
TANK, VACUUM RESERVE:			
1000 cu. in. capacity ---------- 6F, 6R		281	
TIRES, MAXIMUM: (RPO 291 mandatory)			
Front, 8.25-20-10pr; 2900 lb (ea) capacity ----------40F		343	
Dual Rear, 9.00-20-10pr; 3450 lb (ea) capacity ----------150R		312	
VACUUM BOOSTER AND FUEL PUMP ----*		340	
WHEELS: (20 x 6.5)			
For 8.25 or 9.00 x 20 tires,			
5 Wheels (For fleet users only) ------- 25R		291	
7 Wheels ----------10F, 25R		291	
WINDSHIELD WIPERS: (6512 only)			
Dual, Electric ---------- *		320	

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, o-Data corrected. x-Data added.

CHASSIS AND BODY DIMENSIONS

Model 6503 (6503S) Cab Chassis



Seat in rear position
adjustment 3.38

Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.07	10.22	34.75
Minimum for Max GVW	12.07	10.78	35.57

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10 dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
6503(S)x	2555	2200	4755	2655	2310	4965	11000	9%	91%	168
								6%	94%	180
								2%	98%	192

11-28-53. Revised: 5-1-54, e-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 6503 (6503S) HEAVY DUTY CAB CHASSIS

2 TON (1-1/2 Ton Special) NOMINAL RATING -- 179 WHEELBASE -- 16000 lb (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER---AC make; oil bath type; 1 qt capacity
AXLE, FRONT ------- I-beam type; 4500 lb capacity
AXLE, REAR --- Full-floating type; 13000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity;
BRAKES
PARKING - Hand-operated; on prop shaft; 35 sq. in.
SERVICE ---- Hydraulic type; 4-wheel; 375 sq. in.
FRONT ---------- 14 x 2-1/2; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BOOSTER (hydraulic) --------- Long stroke; 7 dia; vacuum-operated
BUMPER, FRONT ------ Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH--Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core, 4 lb press. cap; 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX ---------- 13-1/2 x 5-1/2 x 8-1/2
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
PROPELLER SHAFTS ---------- Three
PROPELLER SHAFT BRG SUPPORTS ------- Two
UNIVERSAL JOINTS ---------- Four
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ------ Ladder type with 7 cross members, channel side rails, 8-7/8 x 2-7/8 x 1/4; section modulus 8.80 in.^{3}
FUEL TANK -- Back of seat in cab; 17-1/2 gal cap.
GENERATOR ---------- 45 amp maximum rate
LIGHTS ------2 head, 2 parking, and 1 tail and stop
MIRROR, REAR -------- LH; long adjustable bracket
RUNNING BOARDS ---------- Short
SEAT ---------- Full Width
SPARE WHEEL CARRIER --------Underslung at rear
SPRINGS
FRONT ---------- Semi-elliptic; 9-leaf, 40 x 2; 2200 lb (ea) capacity at ground
REAR ---- Semi-elliptic; 7800 lb (ea) cap. at ground
MAIN ---------- 11-leaf, 46 x 2-1/2
AUXILIARY ---------- 6-leaf, 31 x 2-1/2
STEERING GEAR ----- Recirculating-ball type; 27.76 ratio; 18-inch dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ----- 8250 lb cap. jack; tire iron; wheel wrench
TOOL BOX ---------- Under seat; 50 x 19 x 6
TRANSMISSION -- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATORS --------- Top of cowl and ventipanes
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD
WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For model application see Option Section

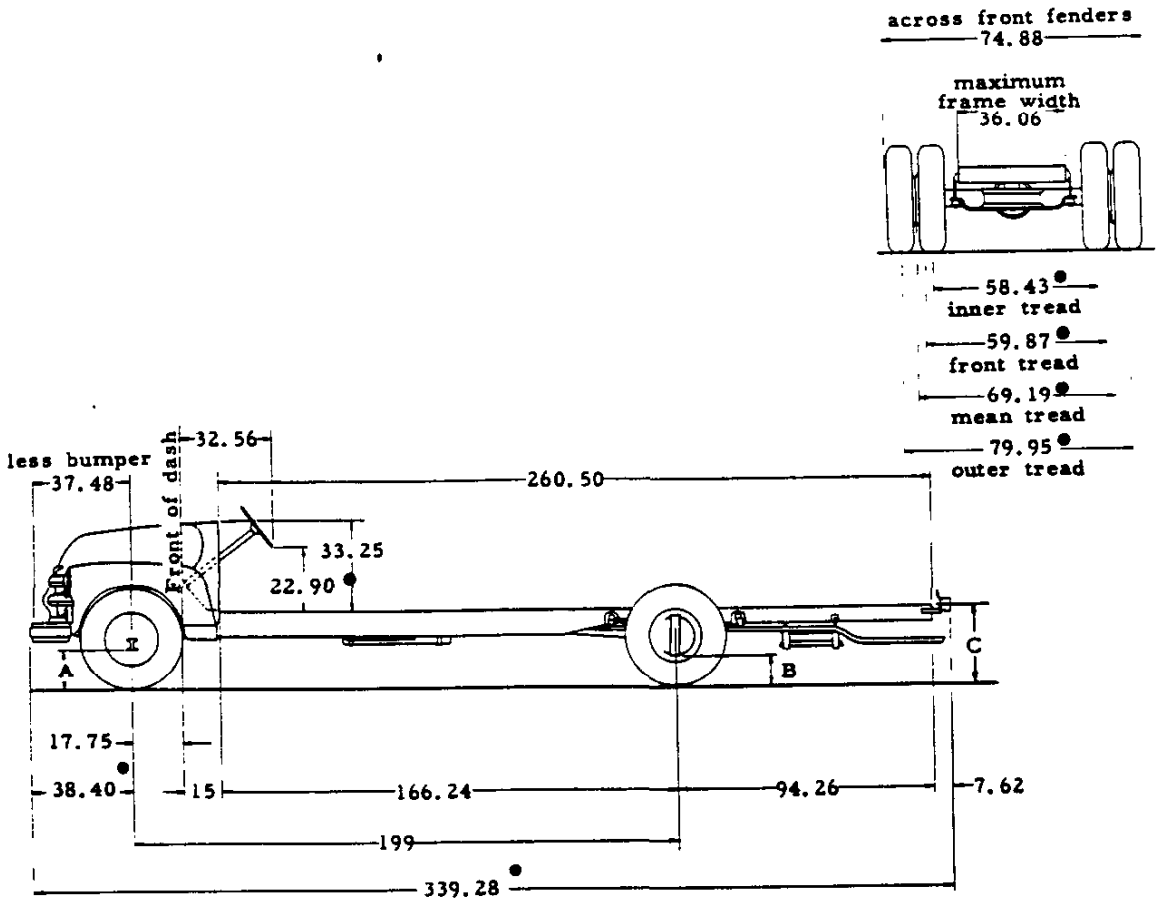
	Wt	Number	
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; hypoid primary gears.			
6.13 and 8.10 ratios	105R	202	
6.70 and 8.86 ratios	105R	201	
COLORS, VEHICLE: Solid	*	234	
CORNER WINDOWS, CAB	*	387	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217	
ENGINE, HEAVY DUTY: Jobmaster, 261 cu. in. displ Gross Hp. 135 @ 4000 RPM Gross Torque, 220 ft lb @ 2000 RPM	*	225	
GENERATOR: Including voltage and current regulator, and pulley for high output			
40 amp	*	326	
50 amp	*	326	
55 amp	27F	326	
55 amp, low cut-in.	24F	326	
GLASS EQUIPMENT, BODY: Tinted	*	399	
GOVERNOR: Range 2300-3200 RPM; Heavy Duty Engine, 2400-3400	*	241	x
MIRROR, REAR VIEW:			
Short, RH or LH	*	210	
Long, RH	*	210	
OIL FILTER: AC make;			
1 quart capacity	8F	237	
2 quart capacity	15F	237	
PLATE, IDENTIFICATION: 1-1/2 Ton Special	*	402	
SHOCK ABSORBERS, FRONT: Direct double-acting type, 1-3/8 dia piston	16F	200	
SIDE DOOR KEY LOCK, LH	*	395	
SPRINGS, REAR: Two-stage, 11-leaf; 5600 lb (ea) capacity at ground	Minus 75R	268	
TANK, VACUUM RESERVE 1000 cu. in. capacity	6F, 6R	281	
TIRES, MAXIMUM: (RPO 291 mandatory)			
Front, 8.25-20-10pr; 2900 lb (ea) capacity	40F	343	
Dual Rear, 9.00-20-10pr; 3450 lb (ea) capacity	150R	312	
VACUUM BOOSTER AND FUEL PUMP	*	340	
WHEELS: (20 x 6.5) For 8.25 or 9.00 x 20 tires			
5 Wheels (For fleet users only)	25R	291	
7 Wheels	10F, 25R	291	
WINDSHIELD WIPERS: Dual, Electric	*	320	

*-Weight is less than 10 pounds

11-28-53. Revised; 5-1-54, e-Data corrected. x-Data added.

CHASSIS AND BODY DIMENSIONS

Model 6702 School Bus Flat Face Cowl Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.13	10.22	37.41
Minimum for Max GVW	12.13	10.78	38.03

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10pr dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
6702 x	2320	2120	4440	2430	2295	4725	11200	Determined by style, length and weight of body.		

11-28-53. Revised: 5-1-54, e-Dimensions corrected. x-Production weights replaces estimated weights.

MODEL 6702 HEAVY DUTY SCHOOL BUS FLAT FACE COWL CHASSIS

2 TON NOMINAL RATING --- 199 WHEELBASE --- 16000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER -- AC make; oil bath type; 1 qt capacity
AXLE, FRONT ------- I-beam type; 4500 lb capacity
AXLE, REAR---Full-floating type; 13000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 19 plate; 125 amp hr capacity
BRAKES
PARKING--Hand-operated on prop shaft; 35 sq. in.
SERVICE ---- Hydraulic type; 4-wheel; 375 sq. in.
FRONT ----------14 x 2-1/2; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BOOSTER (hydraulic) --------- Long stroke; 7 dia; vacuum-operated
BUMPER, FRONT ----- Rigid, channel-type; painted
CLUTCH--Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Cellular radiator core; 4 lb press. cap; 407 sq. in. frontal area; 18 quart capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
PROPELLER SHAFTS ---------- Three
PROPELLER SHAFT BRG SUPPORTS ------- Two
UNIVERSAL JOINTS ---------- Four
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
GROSS HP ---------- 112 @ 3700 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME -----Ladder type with 9 cross members, channel side rails, 8-15/16x2-29/32x9/32; section modulus 9.94 in.^{3} •
FUEL LINE, FLEXIBLE ---------- Engine end
FUEL TANK ------- Outside of frame on right side; 30 gallon capacity
GENERATOR ---------- 45 amp maximum rate
GOVERNOR ---------- Set at 35 MPH
LIGHTS ----- 2 head, 2 parking, and 1 tail and stop
PROPELLER SHAFT GUARDS ---------- Three
SPARE WHEEL CARRIER ------- Underslung at rear
SPRINGS ---------- Semi-elliptic
FRONT--- 9-leaf, 40 x 2; 2200 lb (ea) cap. at ground
REAR --------Two-stage; 11-leaf, 46 x 2-1/2; 5600 lb (ea) capacity at ground
STEERING GEAR ------ Recirculating-ball type; 27.76 ratio; 18-inch dia wheel
TIRES ---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ------ 8250 lb capacity jack; tire changing iron; wheel wrench •
TRANSMISSION --- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATOR ---------- Top of cowl
WHEELS ---------- 7; wide-base rim; 20 x 6.0

OPTIONAL EQUIPMENT

For model application see Option Section

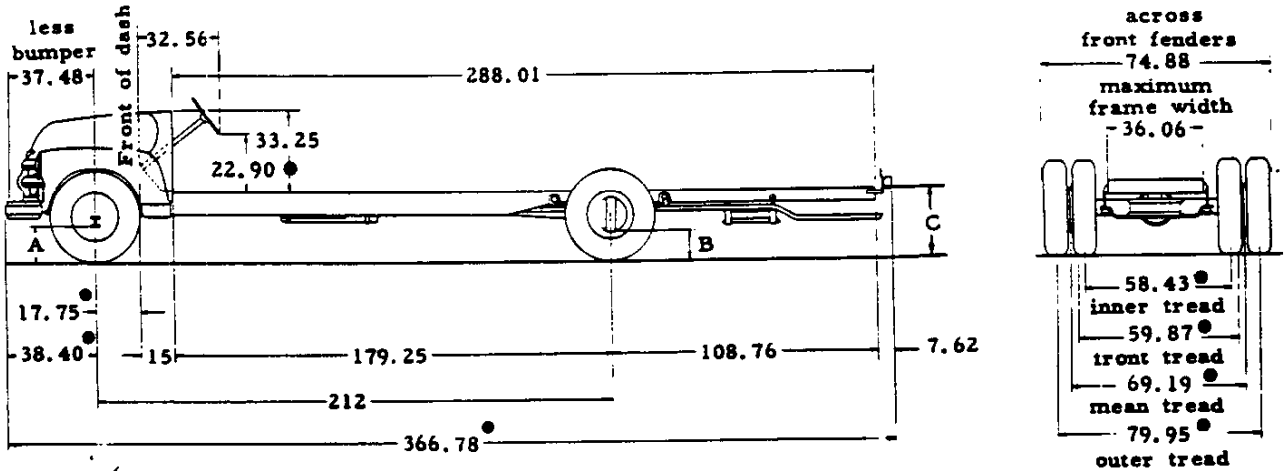
	Wt	Number	
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; hypoid primary gears.			
6.13 and 8.10 ratios ----------	106R	202	
6.70 and 8.86 ratios ----------	106R	201	
COLORS, VEHICLE: Solid ----------	*	234	
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner-----	*	217	
ENGINE, HEAVY DUTY:			
Jobmaster, 261 cu. in. displ			
Gross HP, 135 @ 4000 RPM			
Gross Torque, 220 ft lb @ 2000 RPM ----	*	225	
GENERATOR: With voltage and current regulator, and pulley for high output			
40 amp ----------	*	326	
50 amp ----------	*	326	
55 amp ----------	27F	326	
55 amp, low cut-in ----------	24F	326	
OIL FILTER: AC make			
1 quart capaciaty ----------	8F	237	
2 quart capacity ----------	15F	237	
SHOCK ABSORBERS: Direct double-acting,			
Front, 1-3/8 dia piston ----------	16F	200	
Rear, 1-3/8 dia piston ----------	24R	200	
SPRINGS, FRONT: 9-leaf with double-wrap eye at fixed end ----------	*	255	x
TANK, VACUUM RESERVE:			
1000 cu. in. capacity ----------	6F, 6R	281	
TIRES, MAXIMUM: (RPO 291 mandatory)			
Front and Dual Rear, 8.25-20-12pr; 3150 lb (ea) capacity ----------	56F, 116R	344	
VACUUM BOOSTER AND FUEL PUMP ----	*	340	
WHEELS: (20 x 6.5) For 8.25 x 20 tires;			
5 Wheels (For fleet users only) --------	25R	291	
7 Wheels ----------	10F, 25R	291	

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, e-Data corrected. x-New RPO spring.

CHASSIS AND BODY DIMENSIONS

Model 6802 School Bus Flat Face Cowl Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12.06	10.18	37.52
Minimum for Max GVW	12.13	10.77	38.46

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-20-8pr front and 8.25-20-10 dual rr.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW			
	Shipping			Curb			Body and Payload	Payload Distribution		Body Length
	Front	Rear	Total	Front	Rear	Total		Front	Rear	
68020	2305	2140	4445	2420	2310	4730	11200	Determined by style, length and weight at body.		

● - Estimated weight

11-28-53. Revised: 5-1-54, e-Dimensions corrected.

MODEL 6802 HEAVY DUTY SCHOOL BUS FLAT FACE COWL CHASSIS

2 TON NOMINAL RATING --- 212 WHEELBASE --- 16000 lb MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER -- AC make; oil bath type; 1 qt capacity
AXLE, FRONT ------ I-beam type; 4500 lb capacity
AXLE, REAR -- Full-floating type; 13000 lb capacity; Hypoid gears; 6.17 ratio
BATTERY ---------- 19 plate; 125 amp hr capacity
BRAKES
  PARKING -- Hand-operated on prop shaft; 35 sq. in.
  SERVICE ---- Hydraulic type; 4-wheel; 375 sq. in.
    FRONT ---------- 14 x 2-1/2; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
  BOOSTER (hydraulic) --------- Long stroke; 7 dia; vacuum-operated
BUMPER, FRONT ----- Rigid, channel type; painted
CLUTCH--Diaphragm spring; single disc type; 11 dia; 123.7 sq. in. area; 282 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM------ Cellular radiator core; 4 lb press. cap. 407 sq.in. frontal area; 18 quart capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ---------- Three
  PROPELLER SHAFT BRG SUPPORTS ------- Two
  UNIVERSAL JOINTS ---------- Four
ENGINE ----------Loadmaster; 235.5 cu. in. displ
  GROSS HP ---------- 112 @ 3700 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME--- Ladder type with 9 cross members, channel side rails 8-15/16 x 2-29/32 x 9/32; section modulus 9.94 in.^{3}
FUEL LINE, FLEXIBLE ---------- Engine end
FUEL TANK ------- Outside of frame on right side; 30 gallon capacity
GENERATOR ---------- 45 amp maximum rate
GOVERNOR ---------- Set at 35 MPH
LIGHTS ----- 2 head, 2 parking, and 1 tail and stop
PROPELLER SHAFT GUARDS ---------- Three
SPARE WHEEL CARRIER ------- Underslung at rear
SPRINGS ---------- Semi-elliptic
  FRONT ---9-leaf, 40 x 2; 2200 lb (ea) cap. at ground
  REAR ------ Two-stage; 11-leaf, 46 x 2-1/2; 5600 lb (ea) capacity at ground
STEERING GEAR ----- Recirculating-ball type; 27.76 ratio; 18-inch dia wheel
TIRES ---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ------ 8250 lb capacity jack; tire changing iron; wheel wrench
TRANSMISSION -- 4-speed, synchro-mesh; shift lever on transmission; provision for power take-off on left side
VENTILATOR ---------- Top of cowl
WHEELS ---------- 7; wide-base rim; 20 x 6.0

OPTIONAL EQUIPMENT

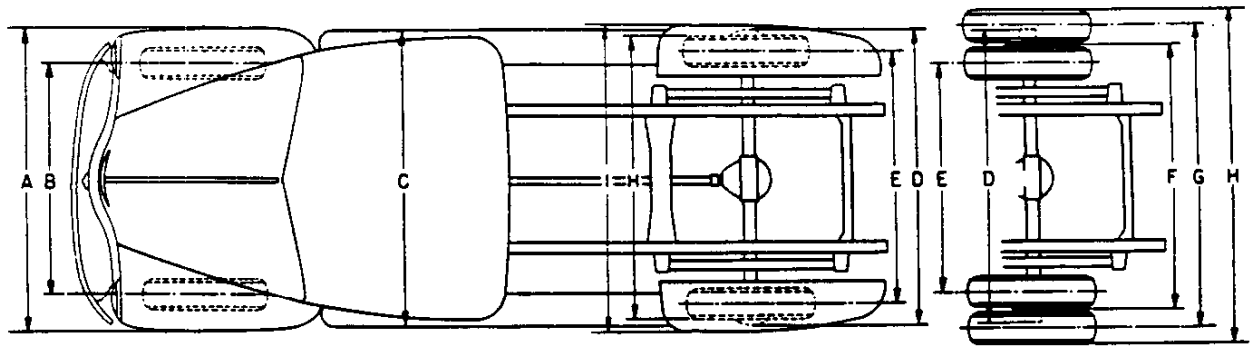
For model application see Option Section

	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; hypoid primary gears.		
6.13 and 8.10 ratios	106R	202
6.70 and 8.86 ratios	106R	201
COLORS, VEHICLE: Solid	*	234
CRANKCASE VENTILATION: Vac-operated with filtered air from oil bath air cleaner	*	217
ENGINE, HEAVY DUTY: Jobmaster, 261 cu. in. displ Gross HP, 135 @ 4000 RPM Gross Torque, 220 ft lb @ 4000 RPM	*	225
GENERATOR: With voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	27F	326
55 amp, low cut-in	24F	326
OIL FILTER: AC make,		
1 quart capacity	8F	237
2 quart capacity	15F	237
SHOCK ABSORBERS: Direct double-acting		
Front, 1-3/8 dia piston	16F	200
Rear, 1-3/8 dia piston	24R	200
SPRINGS, FRONT: 9-leaf with double-wrap eye at fixed end	*	255 x
TANK, VACUUM RESERVE: 1000 cu.in. capacity	6F, 6R	281
TIRES, MAXIMUM: (RPO 291 mandatory) Front and Dual Rear; 8.25-20-12pr; 3150 lb (ea) capacity	56R, 116R	344
VACUUM BOOSTER AND FUEL PUMP	*	340
WHEELS: (20 x 6.5) For 8.25 x 20 tires,		
5 Wheels (For fleet users only)	25R	291
7 Wheels	10F, 25R	291

*-Weight is less than 10 pounds

11-28-53. Revised: 5-1-54, e-Data corrected. x-Data added.

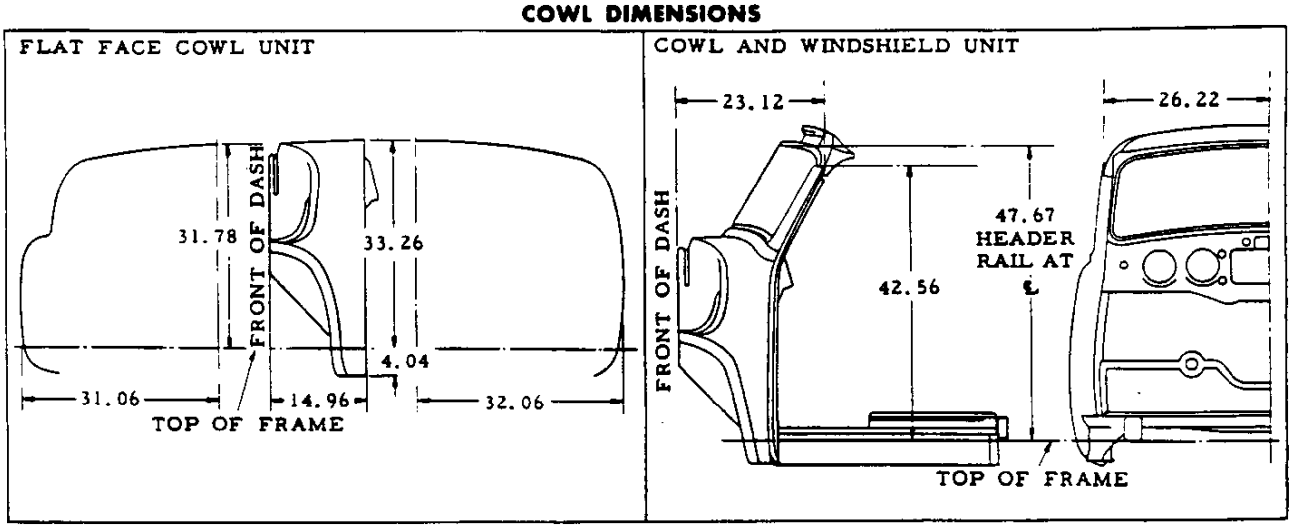
CHASSIS TREADS AND OVERALL WIDTHS



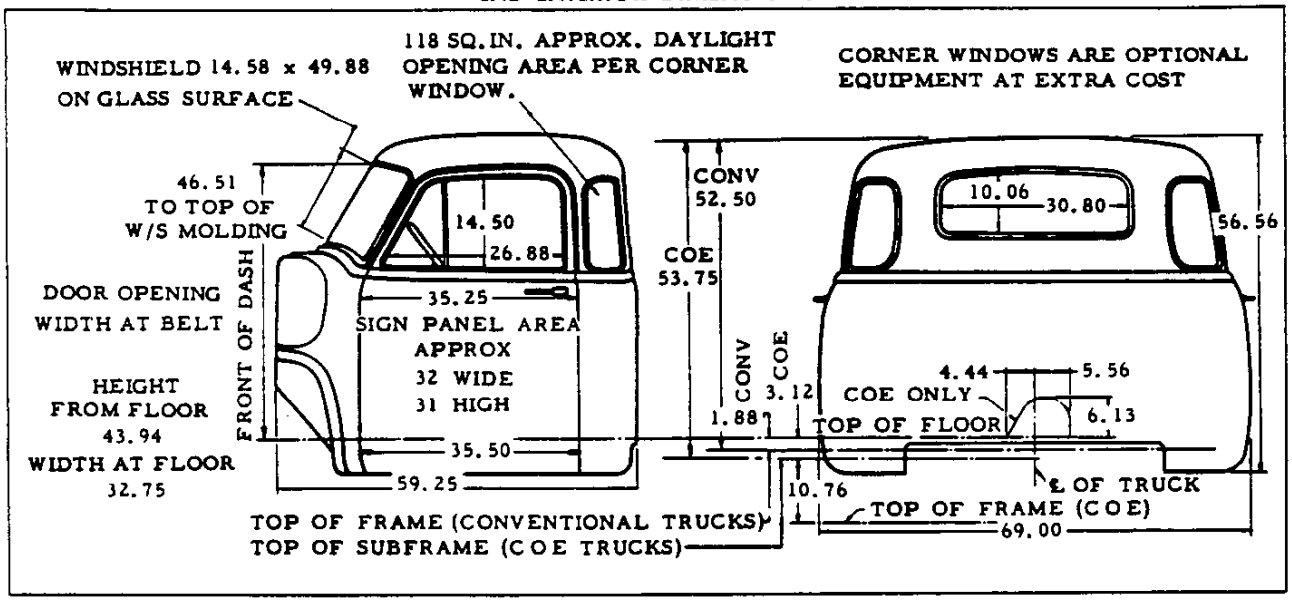
Tires	Models	A Across Front Fenders	B • Front Wheel Tread	C Across Running Boards	D Over Rear Hubs or Hub Caps	E • Inner Wheel Tread	F • Dual Mean Tread	G • Outer Wheel Tread	H • Over Rear Tires	I Over Rear Fenders
6.00-16	3100	72.62	57.03	72.94	69.81	61.02			67.44	•74.53
6.50-16									67.82	
15-6pr			58.13		70.81	62.14			69.80	
7.00-17	3600		57.21		72.12	62.40			70.07	
7.50-17			56.52			61.77			69.35	
6.50-16			57.00		71	54.12	63.24	72.36	69.78	
15-6pr	3700		62.08		72.12	62.39			80.37	
7.00-17			61.41			61.79			70.04	
7.50-17									69.35	
7.00-17	3800		56.53						69.80	
7.50-17		72.62		72.94					69.37	75.25, 3805-07; 74.50, 3804
7.00-18	3802-03-08-09-12		56.91		71	54.13	63.25	72.37	69.80	
7.00-17	3900		61.41		72.12	61.78			79.95	
7.50-17									69.37	
7.00-18			61.79		71	54.13	63.24	72.36	69.79	
6.50-20	4100 4400	74.88	56.27	• 74.08	77.25	57.17	66.67	76.17	79.94	
7.00-20									83.43	
7.50-20			55.14			56.05	66.81	77.57	83.76	
6.50-20	4502		61.02			57.17	66.67	76.17	85.49	
7.00-20									83.43	
7.50-20			59.72			55.92		77.42	83.76	
7.50-20	5000	77.56	61.37	• 77.40	79.75	58.43	69.19	79.75	85.99	
8.25-20									88.37	
7.50-20	6100 6400 6500	74.88	59.87	• 74.08					88.95	
8.25-20									88.37	
7.50-20	6702 6802								88.95	
8.25-20										
8.25-20	5000	77.56	60.87	• 77.40						
Front 9.00-20 Rear	6100 6400 6500	74.88	59.37	• 74.08		57.93		80.45	90.39	

11-28-53. Revised: 5-1-54 •-Dimensions corrected.

COWL DIMENSIONS



CAB EXTERIOR DIMENSIONS

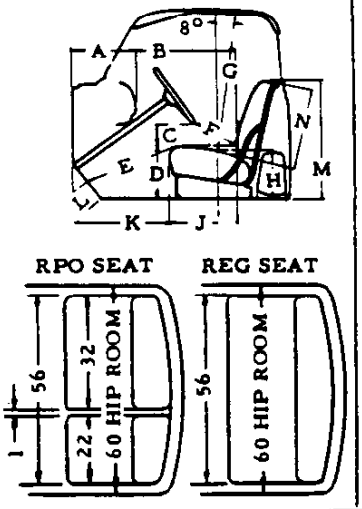


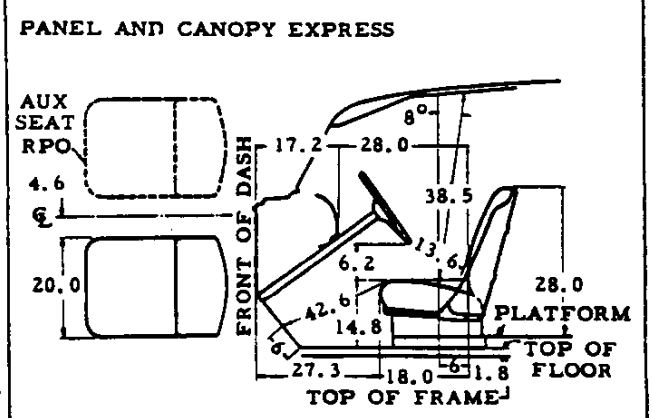
DRIVER COMPARTMENT AND SEAT DIMENSIONS ●

CAB	*CONV	*COE
A	17.2	17.2
B	27.8	27.6
C	6.8	6.4
D	14.2	14.6
E	41.8	41.5
F	13.4	13.2
G	37.0	36.5
H	13.0	13.0
I	5.0	5.0
J	18.5	18.0
K	26.5	26.8
L	6.0	6.0
M	30.8	31.0
N	20.5	19.5

* SEAT IN RR POSITION

REG SEAT, 3.4 ADJ;
RPO SEAT(DRIVER
SECTION) 2.3 ADJ

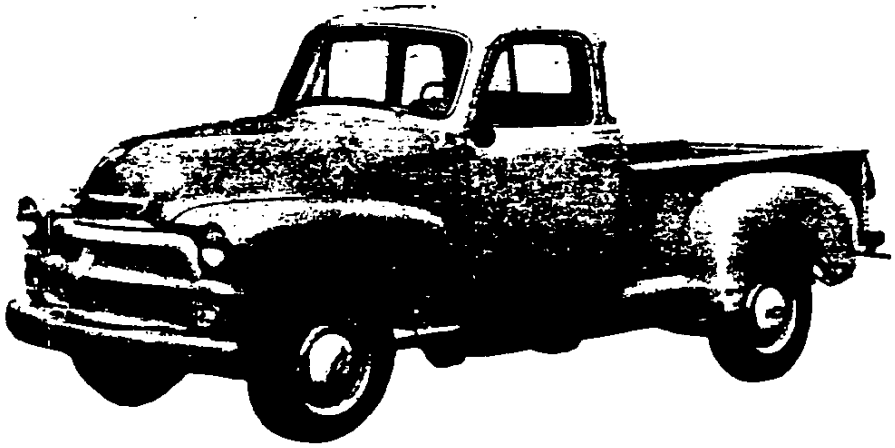




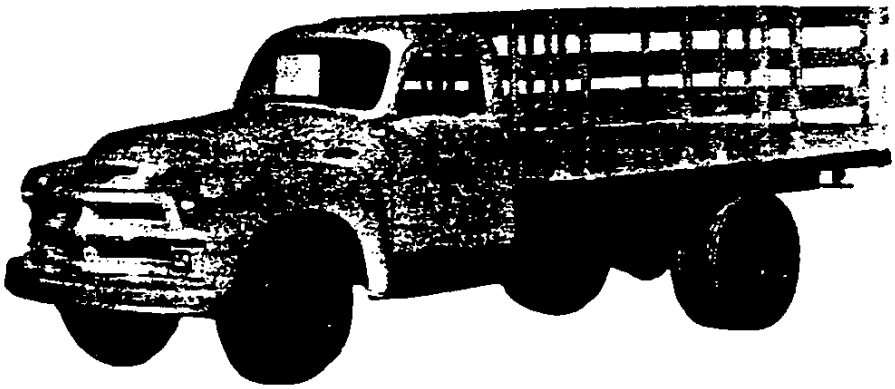
11-28-53. Revised: 5-1-54 ●-Data revised.

EXTERIOR APPEARANCE AND COLORS

Light Duty Trucks



Heavy Duty Trucks



PAINT COLOR COMBINATIONS ●

Regular or RPO	Basic Color (Baking Dulux)	Wheel Striping Color (Duco*)
Regular	Juniper Green	Cream Medium
RPO 234	Commercial Red	Argent Silver
438	Jet Black	Argent Silver
439	Omaha Orange	Jet Black
	Mariner Blue	Cream Medium
	Cream Medium	Jet Black
	Yukon Yellow	Jet Black
	Ocean Green	Jet Black
	Transport Blue	Cream Medium
	Coppertone	Shell White
	Autumn Brown	Shell White
	Pure White	Juniper Green

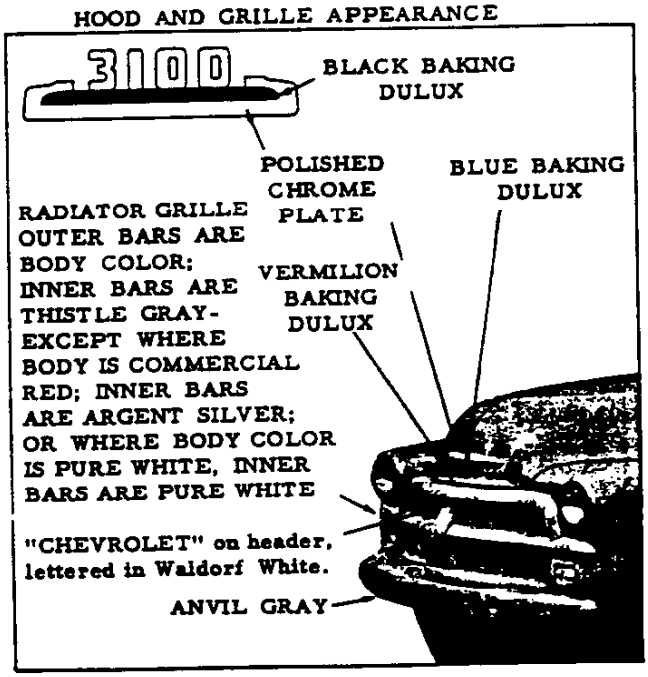
Wheels:
Regular Production----------Black
Deluxe Solid Body Color----------Body color
Deluxe Two-tone Body Color--------Lower, body color
16" (3100 only)----------Striped *
Deluxe equipment is not specified for Canopy Express models.

TYPES OF PAINT

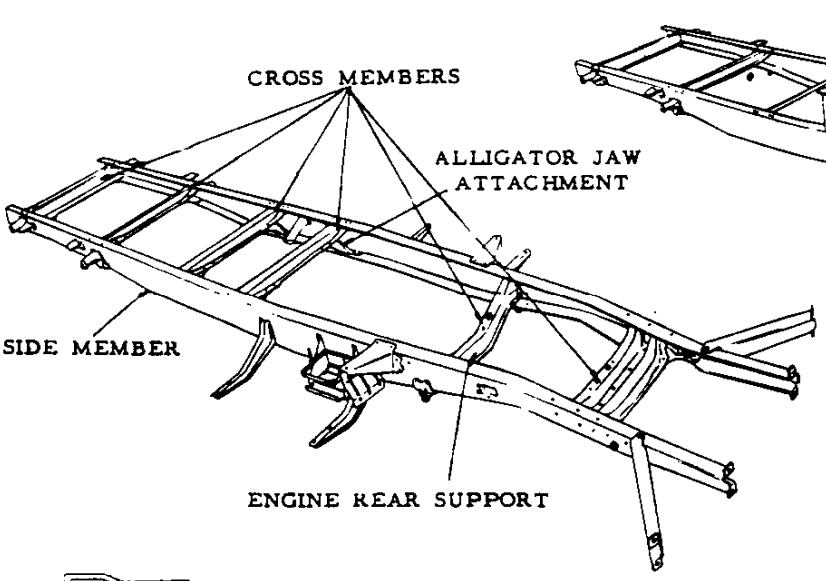
Baking Dulux----------Baking enamel
Duco----------Striping lacquer
Air Dry Dulux----------Air drying enamel

11-28-53. Revised: 5-1-54. ●-Data revised.

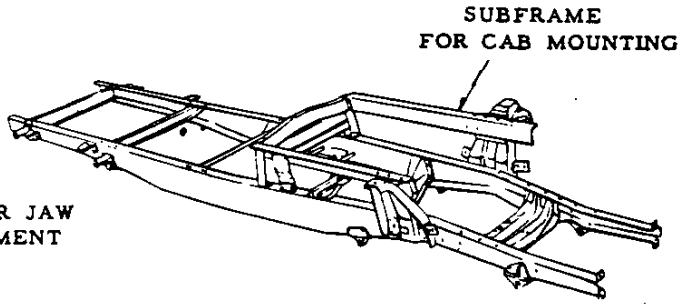
HOOD AND GRILLE APPEARANCE

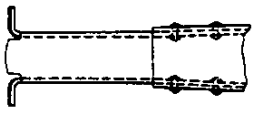


CONVENTIONAL TYPE OF FRAME



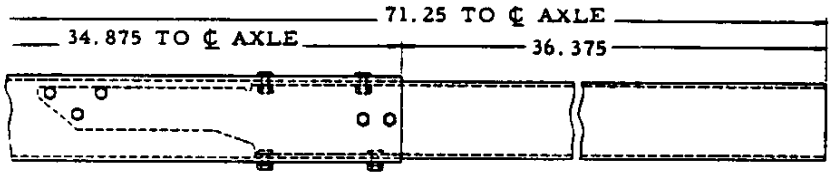
CAB-OVER-ENGINE TYPE OF FRAME





Front of 4100 frame showing extension

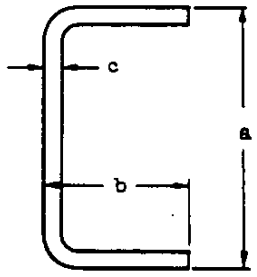
Front of 3800 frame



Frame rear extension on 4502

MODEL		Wheelbase	Frame Overall Length*	Width Over Side Members	Number of Cross Members ⊖	Section Modulus ▩
CONVENTIONAL	3100	116	173.09	46.03 at rear	4	2.46
	3600	125.25	185.32	36	5	3.25
	3700		195.31			
	3800	137	213.06			5.52
	3900		214.59			
	4100		221.18			
	4400	161	233.42		6	8.80
	6100 ♦	137	209.42		5	
	6400	161	233.42		6	
	6500	179	297.48		7	
SCHOOL BUS	4502	161	269.76		8	
	6702	199	330.73	36.06	9	• 9.94
	6802	212	358.23			
COE	5100	110	182.42	36	5	8.80
	5400	134	206.42			
	5700	158	230.42		6	

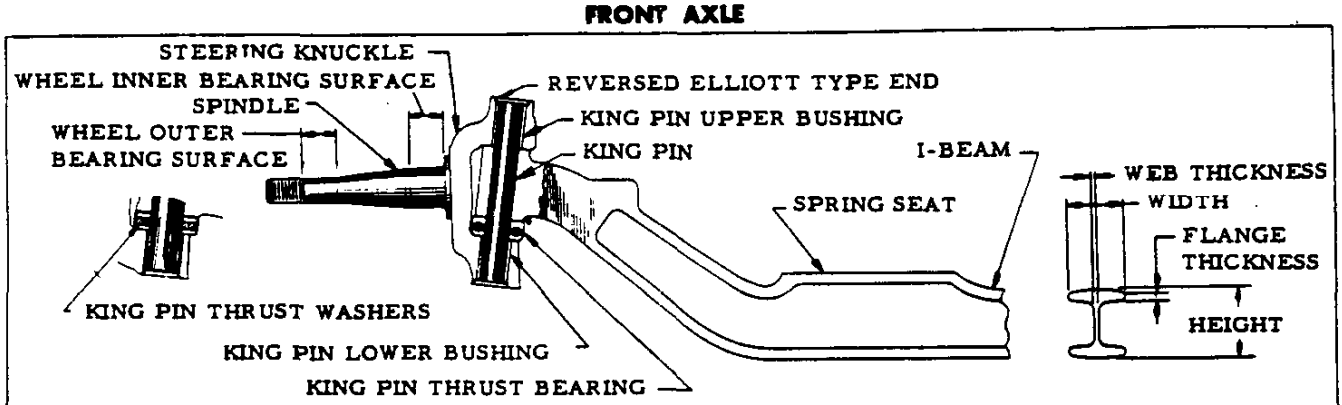
Frame type ---------- Ladder
Side member data:
Section type ---------- Channel
Kickup height, at rear axle ---------
-- 1.62 on 3100; 1.75 on 3600, 3700
Material ---- Hot rolled steel, pickled
Yield point -------- 39000 PSI (min.)
Elongation ------- 25% in two inches



SERIES	Max Sectional Dimensions a	b	c
3100	5.75	2.25	.14
3600, 3700	5.84		.18
3800, 3900, 4100	7	2.75	.22
4400, 4500, 5000, 6100, 6400, 6500	8.88	2.88	.25
6700, 6800	8.94	2.90	.28

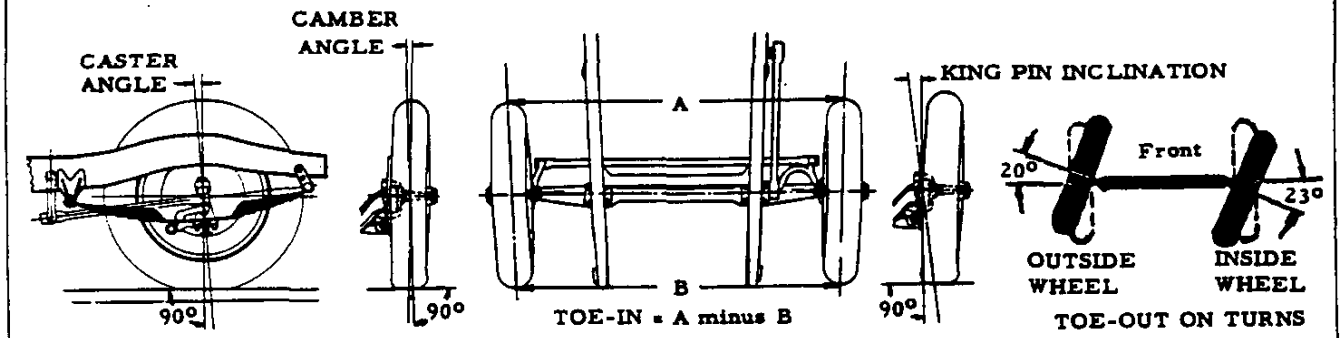
*-Length includes front or rear extensions when specified. ▩-Inches cubed per side member.
⊖-Structural cross members; Those which are so attached as to resist torsional frame stresses.
♦- Frame used on 4100 with Heavy Duty Equipment.
11-28-53. Revised: 5-1-54, •-Data corrected.

FRONT AXLE



ITEM			3100	3600	3800	4100 4400	3700 3900	4100, 4400 (RPO-203)	4500 6000	5000
Type			Reversed Elliott (modified I-beam section)							
Rated capacity (pounds)			2200	2500	3500	• 4000		4500		
I-beam (average dimensions)	Height		2-1/8	2-1/4				2-1/2		2-5/8
	Width		1-3/4	2						
	Flange thickness		7/32	5/16				7/16		
	Web thickness		1/4	11/32				1/4		3/8
	Section modulus		.70 in.^{3}	1.14 in.^{3}				1.48 in.^{3}		•1.61 in.^{3}
King pin	Diameter		.8660-.8665	.9210-.9214				1.1090-1.1094		
	Bushing	Type	Floating	Pressed into steering knuckle						
		Length x ID	1-5/16 x .867-.868	1-33/64 x .922-.923				1-3/8 x 1.110-1.111		
King pin thrust bearing	Type		Anti-friction bearings See pages 165, 166	Copper and steel washers						
	Diameter	Inside		.927-.937				1.130 across flats after coining		
		Outside		1.547-1.557				2-1/32		
Spindle diameter	At inner bearing		1.2801-1.2806	1.4986-1.4991				1.7491-1.7496		
	At outer bearing		.7490-.7495	.9052-.9057				1.0291-1.0296		
Front wheel bearing			Anti-friction bearings - See pages 165, 166							

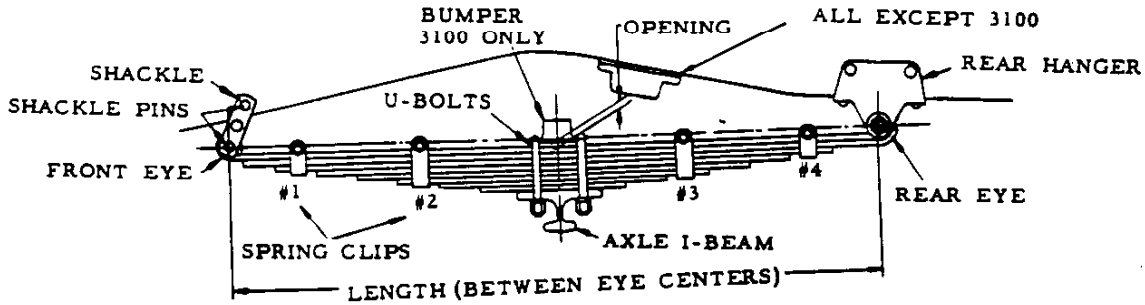
FRONT WHEEL ALIGNMENT

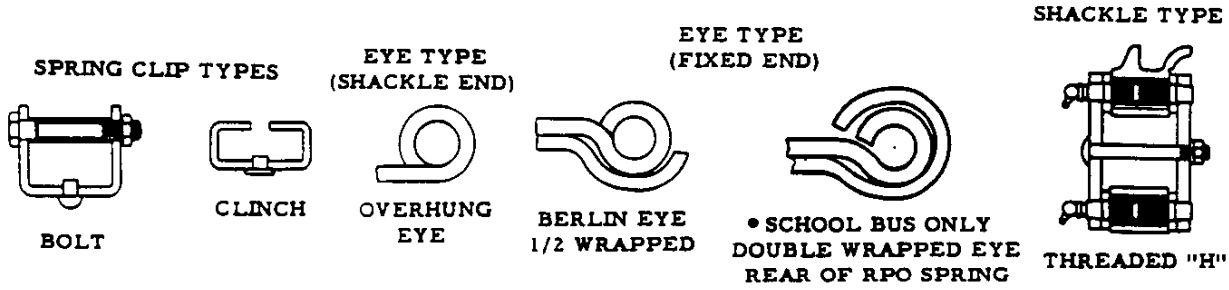


ITEM		3100	3600	3700	3900	3800	4000, 6000	5000
King-pin inclination		6°10'-8°10'						
Camber		0°30'-1°30'						
Caster at design load		1°15'-2°15'	2°-3°	2°45'-3°45'	1°45'-2°45'	2°15'-3°15'	2°15'-3°15'	2°30'-3°30'
Caster at curb weight		0°30'-1°30'	0°15'-1°15'	1°45' 2°45'	1°10' 2°10'	0°45'-1°45'	0°15'-1°15'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

11-28-53. Revised: 5-1-54 •-Data Corrected.

FRONT SUSPENSION



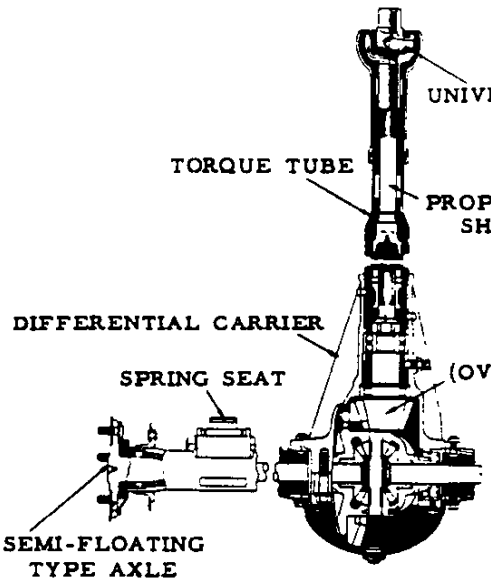


ITEM				3100	3600	3700 3900 (RPO 4100 4400)	3800	4100 4400	4500 6000	5100	5400 5700
Springs	Type			Semi-elliptic							
	LEAVES Material			Chrome carbon steel							
	LEAVES Number			8			7		9		11
	LEAVES Thickness (Leaves numbered from top to bottom)	#1, 2, 3, 4, 5		.237		.291					
		#6, 7									
		#8									
		#9									
		#10, 11									
		Total		1.896		2.328	2.037		2.619		3.201
	Load in pounds at opening height			810 to 890 @ 1/2		1215 to 1335 @ 7/8	950 to 1050 @ 1-3/16		1475 to 1625 @ 39/64		1800 to 1980 @ 1-7/8
	Average rate of deflection (Pounds/inch)			315		575	495		640		780
	Capacity at pad (Pounds) •			875	975	1550 &	1550		1925		2100
	Capacity at ground (Pounds)			1000	1150	1740 ⊕	1740		2200		2400
	Length x width			38 x 1-3/4		40 x 2					
	Spring clip type (See figure)		#1	Clinch		Bolt					
			#2								
			#3	Clinch							
			#4			Bolt					
Springs mountings	Shackle end	Located at		Front		*	Front				Rear
		Pin, type & dia		Threaded "H", .6595-.6645; 11 threads							
	Fixed end	Bushing		Plain 7/8 OD							
		Bolt size		11/16 OD x 3-3/8		11/16 OD x 3-5/8					
	U-bolt diameter			1/2		9/16					5/8
	Bumper			Rubber, on spring main leaf on 3100; frame side member for all others.							
	Spring center-to-center			26-13/16 (Measured on axle I-beam)							
Shock absorbers. (Hydrau)	Type			Reg equip, direct double acting					RPO, direct double acting		
	Model			808M					682P		682K
	Valve code			4E6/J1					O3J10/C2 x		
	Piston diameter			1					1-3/8		
Ride stabilizer				On models 3102-05-06-12-16, 3742, 3942. Frame to front springs.							

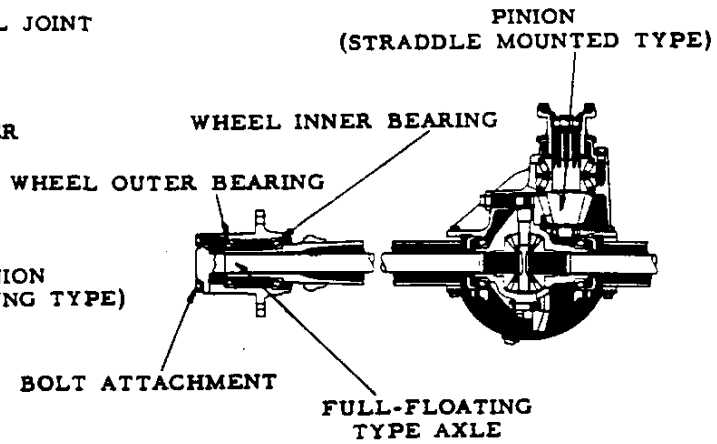
*-Shackle location: 3700 & 3900, Rear; 4100 & 4400, Front.

⊕-4100 & 4400 RPO, 1900 lb capacity at ground. *-4100 & 4400 RPO, 1650 lb capacity at pad.

11-28-53. Revised: 12-18-53; 5-1-54, •-Data added. x-Data corrected.



3100 TYPE



3600 AND 3700 TYPE

ITEM		3100	3600	3600 RPO	3700
Type		Semi-floating	Full-floating		
Rating (pounds)		3300	5000		
Housing	Type	Banjo			
	Construction	Pressed two pc welded	One piece or two piece welded		
	Material	HR Steel	Seamless steel tubing		
Final gears	Type	Spiral Hypoid			
	Ratio	3.90:1	e4.57:1	5.14:1	
	Teeth	39 & 10	32 & 7	36 & 7	
Gear backlash		.005-.008			
Pinion	Mounting	Overhung	Straddle		
	Adjustment	Shim and collar	Shims		
	Thrust	Against pinion front bearing			
*Max gear reduction in low gear	3-Speed Trans.	11.47	13.44	15.11	15.11
	3-Speed HD	12.36	14.49	16.29	16.29
	Automatic	14.90	21.57	24.26	24.26
	4-Speed	27.53	32.26	36.29	36.29
ⓒ Max axle shaft torque in low gear	3-Speed Trans.	1901	2228	2504	2415
	3-Speed HD	2049	2402	2700	2603
	Automatic	2470	3575	4021	3877
	4-Speed	2656ⓖ	5347	6015	5799
Lubricant capacity		4-1/2 pints	6 pints		
Differential type		Two pinion	Four pinion		
Axle shaft	Type	Shaft and drive flange integrally forged			
	Minimum dia	1.16	1.34		
	Hub attachment	Integral	Bolted		
Drive taken through		Springs	Springs (Hotchkiss)		
Torque taken through		Torque tube			
Anti-friction bearings		See pages 165, 166			

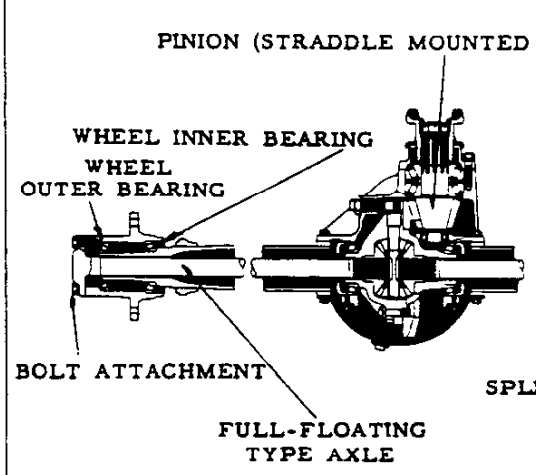
* - Axle ratio x transmission ratio

ⓖ - Maximum capacity of shafts

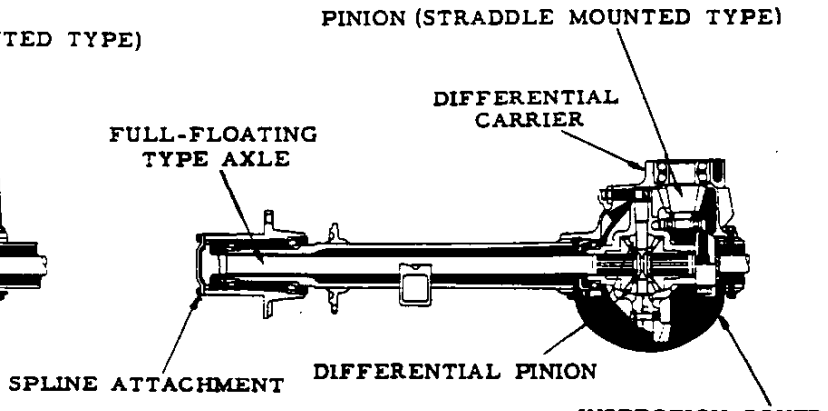
ⓒ - Gear reduction x engine maximum net torque x efficiency factor (.90 in direct drive, .85 all others.)

CONTINUED

11-28-53. Revised: 5-1-54, e-Data corrected.



3800 AND 3900 TYPE



4000, 5000, AND 6000 TYPE

ITEM		3800	3900	4000 RPO	4000	5000	6000
Type		Full-floating					
Rating (pounds)		7200		11000		13000	
Housing	Type	Banjo					
	Construction	One pc or two pc welded		One pc pressed stl welded		One pc or two pc welded	
	Material	Seamless steel tubing		HR Steel		Steel tubing	
Final gears	Type	Spiral Hypoid					
	Ratio	5.14:1		5.43:1	6.17:1		
	Teeth	36 & 7		38 & 7	37 & 6		
Gear backlash		.005-.008					
Pinion	Mounting	Straddle					
	Adjustment	Shims		None			
	Thrust	Against pinion front bearing					
*Max Gear Reduction in low gear	4-Speed	36.29		38.34	43.56		
	Automatic	24.26					
	3-Speed HD	16.29					
① Max Axle Shaft Torque in Low gear	4-Speed	6015	5799	6355	7220	6961 7590②	7220 7961②
	Automatic	4021	3877				
	3-Speed HD	2700	2603				
Lubricant capacity		6 pints		11 pints		12 pints	
Differential type		Four pinion					
Axle shaft	Type	Shaft and drive flange integrally forged					
	Minimum dia	1-11/32		1-7/16		1-11/16	
	Hub attachment	Bolted		Splined			
Drive taken through		Springs (Hotchkiss)					
Torque taken through							
Anti-friction bearings		See pages 165, 166					

* - Axle ratio x transmission ratio.

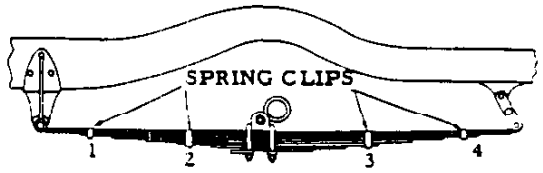
① - Gear reduction x engine maximum net torque x efficiency factor (.90 in direct drive, .85 all others.)

② - RPO - 261 cu. in. Jobmaster engine.

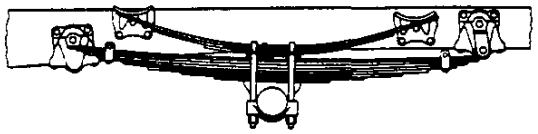
11-28-53

REAR SUSPENSION

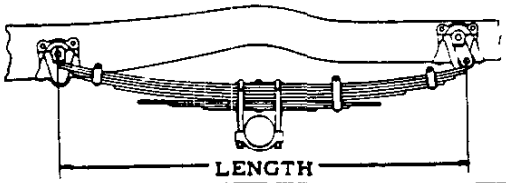
SEMI-ELLIPTIC TYPE



SEMI-ELLIPTIC, TWO STAGE & AUXILIARY TYPE

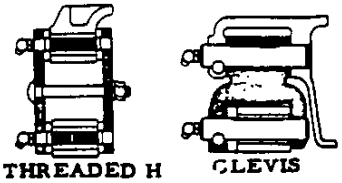


SEMI-ELLIPTIC, TWO STAGE TYPE



SPRING CLIP TYPES

SPRING SHACKLE TYPES



ITEM			3100 Regular & RPO*	3100 RPO	37-3900	3600	3600 RPO	3800	3800, 3900 RPO	3802 RPO
Springs	Type		Semi-elliptic			Semi-elliptic two-stage			Semi-elliptic two-stage and auxiliary	Semi-elliptic
	Leaves	Material	Chrome carbon steel							
		Number	8	10	8	7(4 & 3)	8(5 x 3)		3(aux)	9
		Thickness (Leaves numbered from top to bottom) #1, 2	.291		.323	.291			.323	.291
		#3								
		#4								
		#5								
		#6, 7				.323				
		#8								
		#9								
		#10								
		Total	2.328	2.910	2.392	2.133	2.424		.969	2.715
	Load in pounds at opening height		*1100 to 1200 @ 1/2	1450 to 1550 @ 1/2	1735 to 1915 @ 25/32	1325 to 1475 @ 9/16	1510 to 1660 @ 9/16	1575 to 1725 @ 1-29/32		2205 to 2435 @ 13/16
	Average deflection rate (pounds per inch)		190	249	400	250 @ 200-600#; 370 @ 1200 to 1600 #	315 @ 250-750#; 435 @ 1400-1800#		620	470
	Capacity at pad (lb) e		1250	1600	1950	1725	2175		3225	2300
	Capacity at ground (lb)		1450	1800	2250	2000	2500		3675	2650
	Length x width		54 x 1-3/4		46 x 2				31 x 2	46 x 2
	Spring clip type (see fig.)	Clinch	1-2-3-4							
		Bolt			1-3-4			1-4		1-2-3-4
Spring mountings	Shackle end	Located at	Rear							
		Type	Threaded H		Clevis and plain bushing					
		Pin size	5/8-11 Thread		7/8 dia					
	Fixed end	Bushing	Plain, 11/16 ID		7/8 ID					
		Pin or bolt	11/16 OD (bolt)		7/8 dia (pin)					
	Attachment to axle		Two U-bolts and cap							
	Rubber insulated		Yes		No					
	U-bolt diameter		1/2		5/8					
	Bumper		Rubber, mounted on frame side member lower flange							
	Center to center		42-5/16		41-1/2					
Ride stabilizer			Included in shock absorber RPO on model 3942 with 7.50-17 or 7.00-18 tires							

REAR SHOCK ABSORBERS

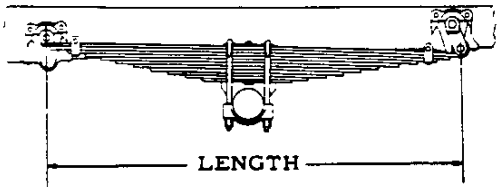
ITEM			3100	3600	3700	3800	3900
Direct double-acting			Regular equipment			RPO (200)	
	Model and valve code		843V, 3J88/C2	843T, 3J88/D3		660X, 04N10/A1	
Cam and lever double-acting							RPO (200)
	Valve code	Compression					GO
		Rebound					IR
Piston diameter			1			1-3/8	1-1/2

*RPO 341 (Side Mounted Spare Tire Charrier) - Includes a left rear spring which is similar to the regular spring except that the load in pounds at opening height is 1175 to 1225 @ 1/2 inch.

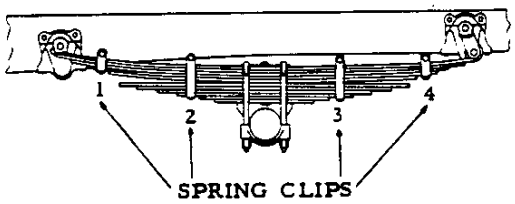
11-28-53. Revised: 5-1-54, e-Data added.

Continued

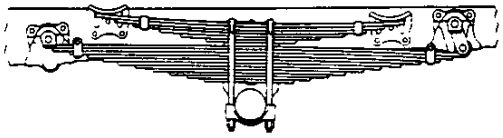
SEMI-ELLIPTIC, HEAVY DUTY TYPE



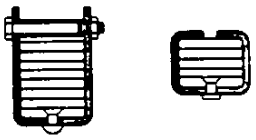
SEMI-ELLIPTIC, TWO-STAGE TYPE



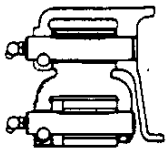
SEMI-ELLIPTIC AND AUXILIARY TYPE



SPRING CLIP TYPES



CLEVIS TYPE SHACKLE



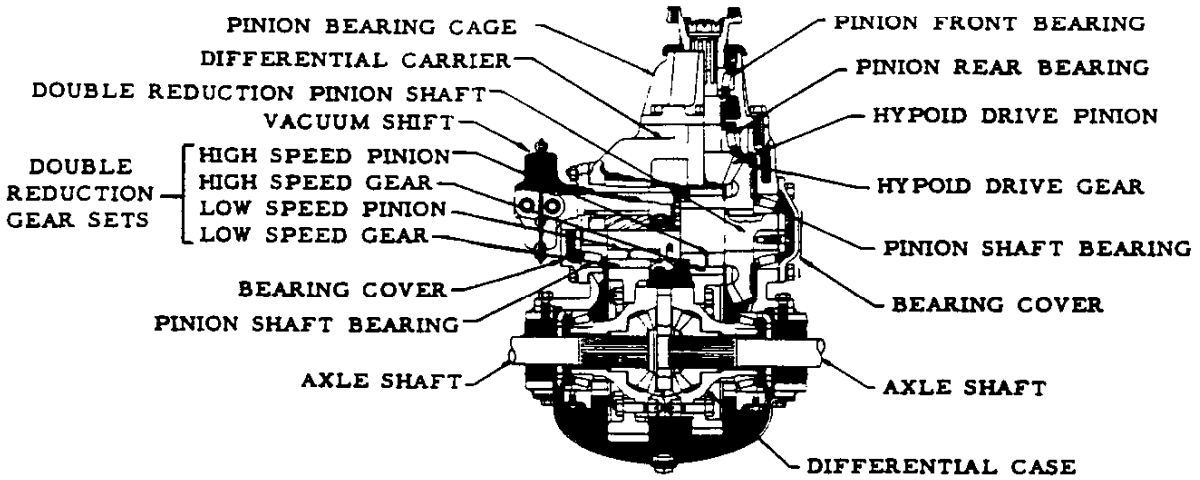
ITEM				4500, 6700, 6800 Reg. 4100, 4400, 5000 RPO 6100, 6400, 6500 RPO	4100, 4400	5000, 6100, 6400, 6500 Reg. 4100, 4400 RPO
Springs	Type			Semi-elliptic two stage	Semi-elliptic	Semi-elliptic & auxiliary
	Leaves	Material		Chrome carbon steel		
		Number		11 (5 & 6)	11	6 (aux.)
		Thickness (Leaves numbered from top to bottom)	#1, 2	.323	.360	.323
			#3, 4, 5			
			#6			
			#7			
			#8, 9			
			#10, 11			
			Total	3.849	3.960	1.938
	Load in pounds at opening height			3800 to 4200 @ 1-3/8	4370 to 4830 @ 1/4	
	Average deflection rate (pounds per inch)			625 @ 500-1000#; 1100 @ 3500-4500#	1200	1530
	Capacity at pad (lb) •			5000	3900	7100
	Capacity at ground (lb)			5600	4465	7800
	Length x width			46 x 2-1/2		31 x 2-1/2
	Spring clip type (see figure)	Clinch				1-4
		Bolt		1-2-3-4	1-4	
Spring mountings	Shackle end	Located at		Rear		
		Type		Clevis and plain bushings		
		Pin size		7/8 dia		
	Fixed end	Bushing		7/8 ID		
		Pin		7/8 dia		
	Spring to axle attachment			Two U-bolts and cap to fixed metal seat on axle housing		
	U-bolt diameter			3/4		
	Bumper			Rubber, mounted on frame side member lower flange		
	Spring center to center			42		

REAR SHOCK ABSORBERS

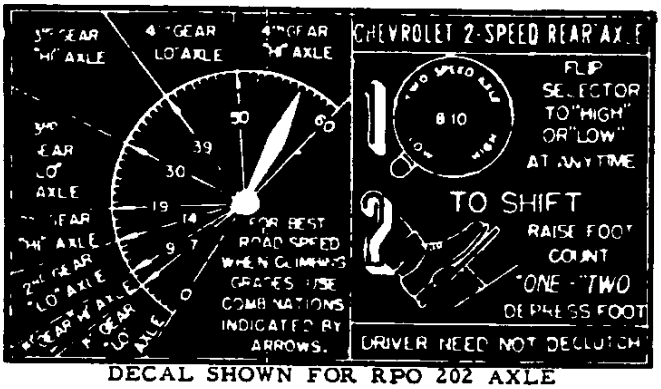
ITEM		4000, 5000, 6700, 6800, RPO 200
Shock absorbers	Type	Direct double-acting
	Piston diameter	1-3/8
	Model & Valve Code	660x, 04 N10/A1

11-28-53. Revised 5-1-54. •-Data added.

TWO-SPEED REAR AXLE (RPO 201, 202 FOR ALL 5000-6000 MODELS)



AXLE CONTROL DECAL ON INSTRUMENT PANEL①



DECAL SHOWN FOR RPO 202 AXLE

GENERAL DATA

Type ---------- Double reduction, full-floating
Rating (pounds) ---------- 13000
Final gear ratios ------ 201-6.70:1 High; 8.86:1 Low;
202-6.13:1 High; 8.10:1 Low
Drive torque ---------- Through springs
Housing ---- 201-Banjo, Two piece welded steel tube;
202-Banjo, One-piece seamless steel tube

Axle shafts:
Material ---------- Hot rolled, forged steel
Type ---------- Shaft and drive flange integrally forged ------- Spline attachment
Minimum diameter ---------- 1-11/16
Anti-friction bearings ---------- See pages 165, 166
Vacuum shift ---------- On instrument panel

PRIMARY DRIVE GEARS

Type and Ratio ---------- 201-Hypoid, 3.143:1 Ratio;
202-Hypoid, 2.875:1 Ratio
Pinion (Overhung mounted) ---------- 201-7 teeth;
202-8 teeth
Drive Gear (Straddle mounted) --------- 201-22 teeth;
202-28 teeth
Backlash adjustment ---------- .008 to .013, by shims at double reduction pinion shaft cover

DOUBLE REDUCTION GEARS

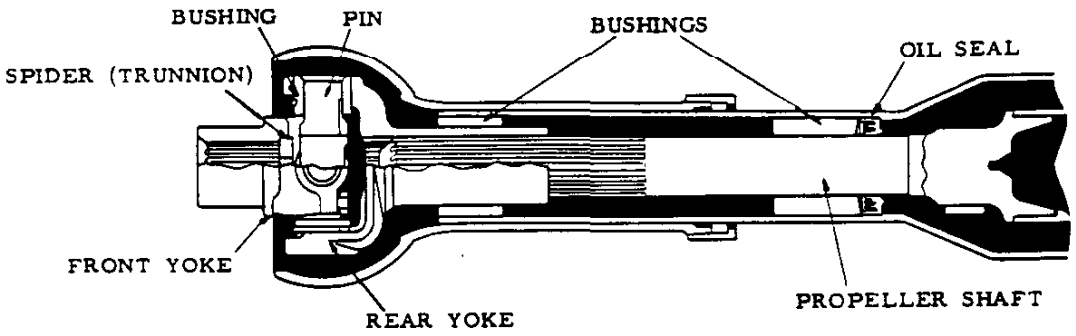
Type ---------- Helical spur
Ratio: High speed ---------- 2.133:1 (32-15 teeth)
Low speed ---------- 2.818:1 (31-11 teeth)
Lubricant capacity, refill (pints) ---------- 14-1/2

TRANSMISSION		*TOTAL GEAR REDUCTION		⊖MAXIMUM AXLE SHAFT TORQUE (ft lb)			
		5000-6000		5000		6000	
		RPO 201					
Gear	Ratio	6.70:1 Ratio	8.86:1 Ratio	6.70:1 Ratio	8.86:1 Ratio	6.70:1 Ratio	8.86:1 Ratio
First	7.06	47.30	62.55	7559	9995	7840	10368
		RPO 202					
Gear	Ratio	6.13:1 Ratio	8.10:1 Ratio	6.13:1 Ratio	8.10:1 Ratio	6.13:1 Ratio	8.10:1 Ratio
First	7.06	43.28	57.19	6916	9139	7174	9479

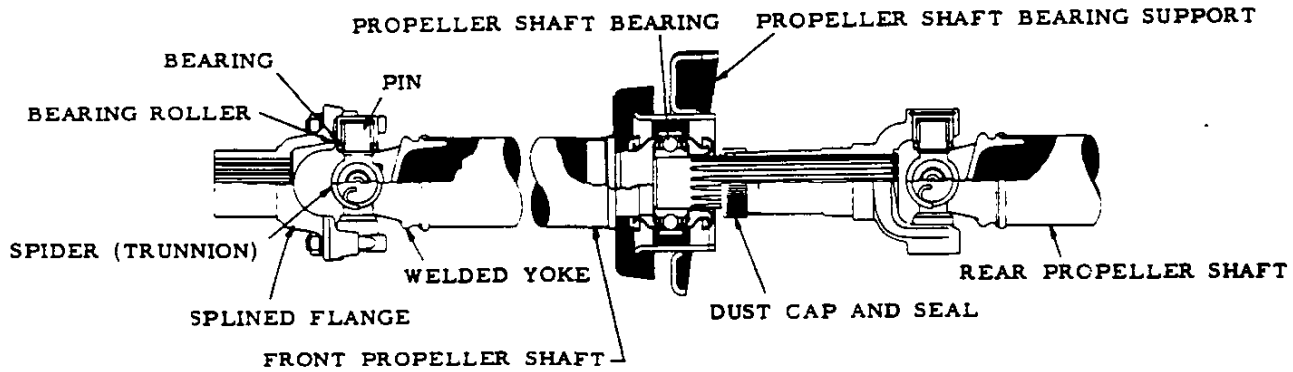
* - Rear axle ratio x transmission ratio
⊖ - Total gear reduction x engine max. net torque x efficiency factor (.90 direct drive; .85 all others)
① - Gear change points are for 8.25-20 tires

11-28-53

UNIVERSAL JOINT - 3100 SERIES



DRIVE TRAIN - 3000, 4000, 5400, 5700, 6100, 6400 SERIES



UNIVERSAL JOINTS

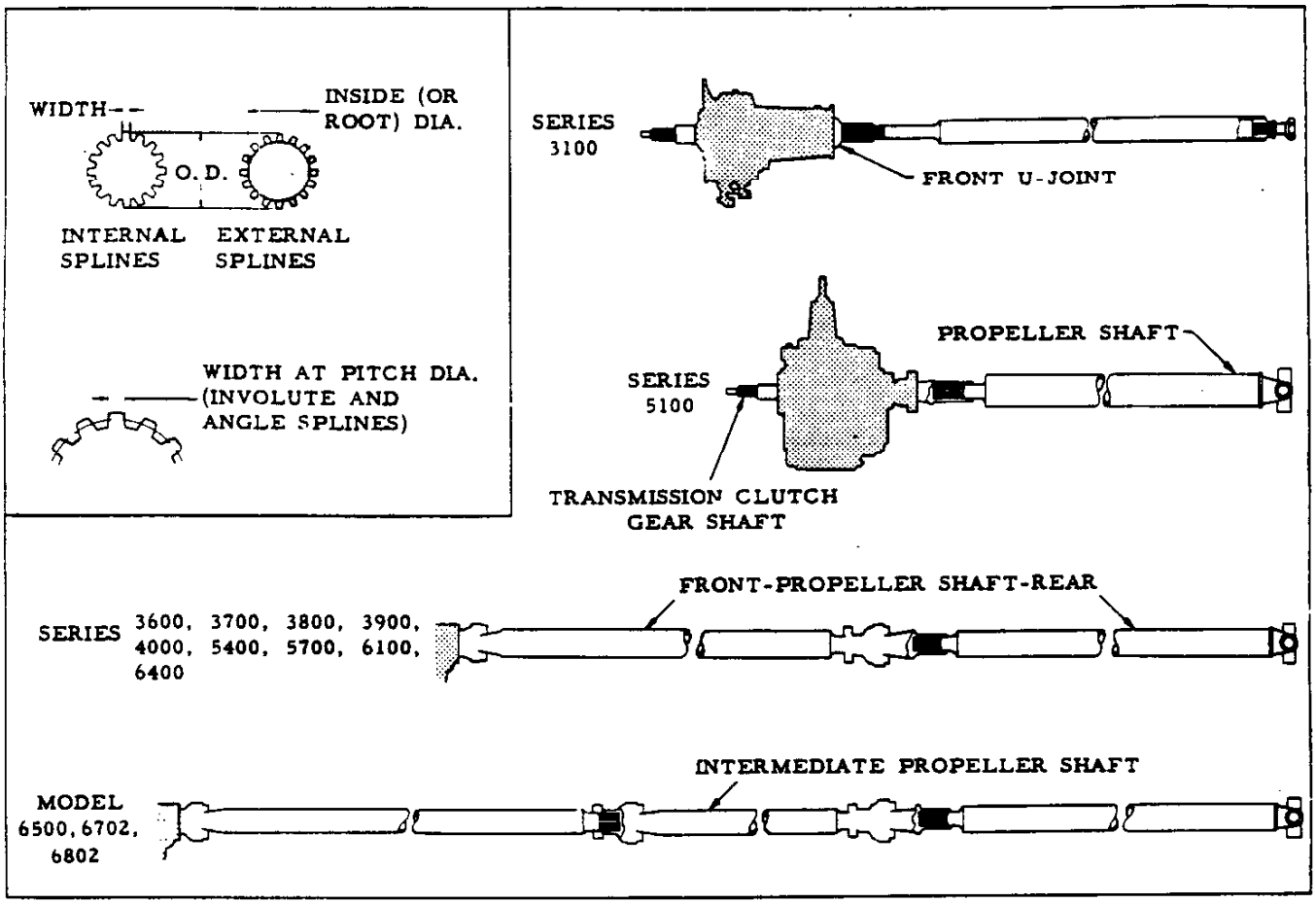
ITEM			3100	36-37-38-3900 41-4400	5100	54-5700 61-6400	4500	65-67 6800
Type and material			Yoke and trunnion, drop forged steel; trunnion, case hardened					
Number used			1	3	2	3		4
Pin diameter		Front	.6835-.6845	●.7730-.7735				
		Center & Rear						
U-Joint trunnion bearings	Type	Front	Bushing	Anti-friction, See pages 165, 166				
		Intermediate						
		Rear						

PROPELLER SHAFTS

Number used			1	2	1	2		3
Type		Front	Tubular			Tubular		
		Intermediate						Tubular
		Rear	● Tubular					
Outside diameter		Front		2-1/2		3	2-1/2	3
		Intermediate						3
		Rear	2-1/16	2-1/2	3		2-1/2	3
Wall thickness		Front		.080-.088		.080-.088		
		Intermediate						.080-.088
		Rear	.092-.098	.080-.088	.080-.085	.080-.088		
End type	Front	Front		Welded yoke		Welded yoke		
		Rear		Splined		Splined		
	Intermediate	Front						Welded yoke
		Rear						Splined
	Rear	Front	Splined	Welded yoke	Splined	Welded yoke		
		Rear			Welded yoke			
4502, 6702 6802 propeller shaft guard	Number used						2	3;67-6800only
	Type						U-bolt	
	Material						5/8 Round steel	
	Location and mounting						Support at front of each prop. shaft	
Support bearings pages 165, 166				1		1		2

11-28-53. Revised: 5-1-54, ●-Data corrected.

DRIVE SYSTEM SPLINES—TRANSMISSION AND PROPELLER SHAFT



CLUTCH DISC HUB AND TRANSMISSION CLUTCH GEAR SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
3-4-5-6000	Width	.174-.176	.171-.173
	I.D.	.920-.925	.918 max eff
	O.D.	1.134-1.144	1.110-1.121
	Splines	10 (Straight side)	

TRANSMISSION MAINSHAFT AND FRONT U-JOINT FRONT YOKE

SERIES	ITEM	INTERNAL	EXTERNAL
3000 with 3-Speed Std, H.D. or Auto. transmission	Width	.1473-.1483	.1458-.1473
	I.D.	.890- 891	.853-.863
	O.D.	1.003-1.017	.973-.980
	Splines	10 (Involute)	
3-4-5-6000 with 4-Speed transmission	Width	.1964-.1979	.1939-.1954
	I.D.	1.155-1.158	1.123-1.125
	O.D.	1.373-1.376	1.350-1.360
	Splines	10 (Involute)	

PROPELLER SHAFT FRONT END AND U-JOINT REAR YOKE

SERIES	ITEM	INTERNAL	EXTERNAL
3100	Width	.0951-.0961	.0921-.0941
	I.D.	.993-.997	.953-.961
	O.D.	1.0835-1.0935	1.0642-1.0657
	Splines	17 (Involute)	

FRONT PROPELLER SHAFT REAR END AND U-JOINT FRONT FLANGE

SERIES	ITEM	INTERNAL	EXTERNAL
65-67-6800	Width	.2130-.2145	.2125-.2140
	I.D.	1.208-1.213	1.120-1.130
	O.D.	1.374-1.375	1.372-1.373
	Splines	10 (Straight side)	

FRONT PROPELLER SHAFT REAR END AND U-JOINT SLEEVE YOKE

SERIES	ITEM	INTERNAL	EXTERNAL
36-37-38-39 4000 54-5700 61-6400	Width	.1335-.1350	.1305-.1320
	I.D.	1.182-1.187	1.168-1.175
	O.D.	1.374-1.375	1.3725-1.3730
	Splines	16 (Straight side)	

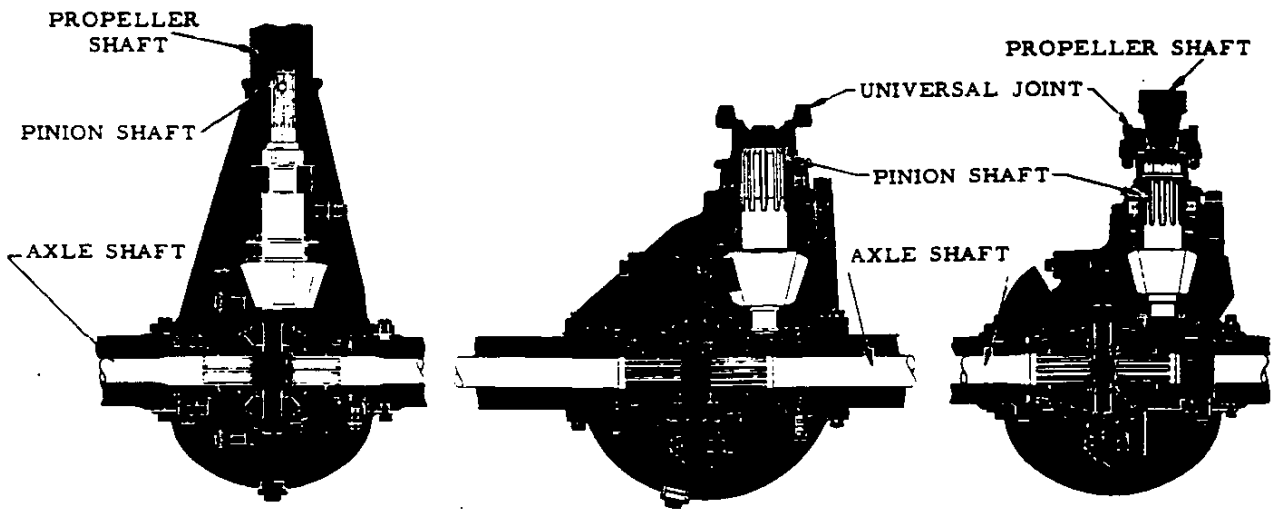
INTERMEDIATE PROPELLER SHAFT REAR END AND U-JOINT SLEEVE YOKE

SERIES	ITEM	INTERNAL	EXTERNAL
65-67-6800	Width	.1335-.1350	.1305-.1320
	I.D.	1.182-1.187	1.168-1.175
	O.D.	1.374-1.375	1.3725-1.3730
	Splines	16 (Straight side)	

REAR PROPELLER SHAFT FRONT END AND U-JOINT SLEEVE YOKE

SERIES	ITEM	INTERNAL	EXTERNAL
5100	Width	.1455-.1470	.1435-.1450
	I.D.	1.292-1.300	1.281-1.288
	O.D.	1.499-1.500	1.4975-1.4980
	Splines	16 (Straight side)	

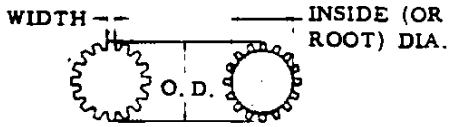
DRIVE SYSTEM SPLINES—REAR AXLE



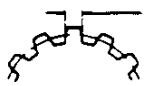
SERIES 3100

SERIES
3600, 3700, 3800, 3900

SERIES
4000, 5000, 6000



INTERNAL SPLINES EXTERNAL SPLINES



PROPELLER SHAFT REAR END COUPLING AND REAR AXLE DRIVE PINION SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
3100	Width	.0951-.0961	.0916-.0946
	I. D.	.985-.989	.952-.960
	O. D.	1.0835-1.0935	1.068-1.074
	Splines	17 (Involute)	

PROPELLER SHAFT PINION FLANGE AND REAR AXLE DRIVE PINION SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
*3600, 3700, 3800, 3900, *4000, 5000, 6000	Width	.302-.303	.300-.302
	I. D.	1.694-1.702	1.637-1.647
	O. D.	1.9675-1.9755	1.941-1.942
	Splines	10 (Straight side)	
5000 & 6000 with RPO 2-Speed Axle	Width	.2325-.2340	.232-.234
	I. D.	1.289-1.294	1.230-1.235
	O. D.	1.499-1.502	1.496-1.498
	Splines	10 (Straight side)	

AXLE SHAFT FLANGE AND REAR WHEEL HUB

SERIES	ITEM	INTERNAL	EXTERNAL
*4000	Width	.3106-.3116	.3086-.3106
	I. D.	3.295-3.305	3.245-3.255
	O. D.	3.795-3.805	3.765-3.775
	Splines	20 (Involute)	
5-6000 with reg. or two speed axle	Width	.157-.158	.157-.158
	I. D.	3.910-3.915	3.860-3.870
	O. D.	4.213-4.218	4.185-4.195
	Splines	40 (Involute)	

DIFFERENTIAL SIDE GEAR AND AXLE SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
3100	Width	.1144-.1154	.1124-.1144
	I. D.	1.194-1.198	1.166-1.174
	O. D.	1.3005-1.3105	1.2795-1.2845
	Splines	• 17 (Involute)	
*3600, 3700 3800, 3900	Width	.1499-.1509	.1479-.1499
	I. D.	1.4245-1.4285	1.399-1.407
	O. D.	1.5485-1.5595	1.5275-1.5325
	Splines	17 (Involute)	
*4000	Width	.259-.262	.256-.258
	I. D.	1.472-1.477	1.440-1.450
	O. D.	1.6735-1.6785	1.6345-1.6445
	Splines	10 (Straight side)	
5-6000 with regular production axle	Width	.1001-.1011	.0981-.1000
	I. D.	1.752-1.756	1.689-1.693
	O. D.	1.876-1.880	1.848-1.856
	Splines	29 (Involute)	
5-6000 with RPO 2-Speed Axle	Width	.0943-.0953	.0981-.1000
	I. D.	1.754-1.756	1.689-1.693
	O. D.	1.876-1.880	1.848-1.856
	Splines	29 (Involute)	

* - With regular or RPO axle

11-28-53. Revised: 5-1-54, •-Data corrected.

BRAKES

ITEM			3100	3600	3700	3900	3800	4000	5000	6000
Parking brake	Type		Mechanical. Rods and cables to rear brakes					Mechanical. Drum on prop shaft		
	Actuated by		Foot pedal					Hand lever		
	Control location		LH side of clutch pedal on floor					Trans.	LH of pedals	Trans.
	Drum	Diameter	11	12		14		Inner 9.5, Outer 10		
		Area (eff.)	121	151		220		138 sq. in.		
	Lining	Material	Full molded asbestos composition							
		Clearance	See adjustment for rear service brake					.010 to .015; both shoes		
		Area (eff.)	74	93		137		35		
Service brake	Type	Front	Servo-type, Single-anchor							
		Rear						2-cyl, balanced, servo-type		
Drum	Type	Front	Composite. Cast alloy iron rim, pressed steel web							
		Rear						One-piece, cast alloy iron		
	Dia.(Front, Rear)		11	12		12 & 14		14 & 15		
	Total area in sq. in. (effective)	Front	138	151		151		220		
		Rear	121	151		220		377		
		Total	259	302		371		597		
Lining	Material		Full molded asbestos composition							
	Width	Front	2	2		2		2-1/2		
		Rear	1-3/4	2		2-1/2		4		
	Thickness before grinding	Front	.202-.222	.267-.287		.267-.287		.267-.287		
		Rear				267-.287		.392-.412		
	Adjust to slight drag and:	Front	Back off 7 notches	Back off enough to eliminate drum drag, but no more than 7 notches						
		Rear						Back off 1 to 2 notches		
	Attachment		Bonded					Riveted		
	Lining area in sq. in. (effective)	Front	84	93		93		134		
		Rear	74	93		137		241		
		Total	158	186		230		375		
Braking effort		Front	56%	50%		45%		34%		
		Rear	44%	50%		55%		66%		
Approx braking ratio	Pedal		6.330		6.785		6.330		6.534	6.330
	Hydraulic		7.16	8.00		8.92	8.94	7.72		
	Overall		45.32	50.64	54.28	60.64	56.57	48.87	50.44	48.87
Foot pedal	Travel		7.937		7.875		7.937			
	Pad cover		Molded rubber							
Wheel cylinder	No. of cylinders	Front	2							
		Rear	2					4		
	Diameter	Front	1-1/8					7/8		
		Rear	1	1-1/8		1-1/4		1-1/2		
	Piston travel		.175	.156		.140		.162		
Main Cylinder	Diameter		1-1/8					1-1/4		
	Piston travel		1-1/2							
Brake fluid capacity			Approximately 1 pint							
Brake fluid recommended			Delco, Super #11							

BRAKE BOOSTER EQUIPMENT

ITEM		4000	5000	6000
Brake booster equipment (hydraulic)	Available as	RPO 212	Standard equipment	
	Type	Single piston, vacuum suspended, reactionary valve		
	Power distribution	At 1000 PSI line pressure, distribution is 37% by pedal, 63% by booster		
	Pedal pressure (actual test)	At 1000 PSI line pressure, pedal pressure is 204 lbs without booster, 80 lbs with booster.		
Vacuum power reserve tank	Available as	RPO 281: on 4100 with RPOs 212 & 233: on 4400 & 4500 with RPO 212	RPO 281	
	Size	24 long x 7-1/2 ID; 1000 cu. in. capacity		
	Location	Clamped to outside of left side rail		

ENGINE—GENERAL

Basic Design Data

ITEM	3100	3600	3800	4100 4400	4502	3700	3900	5000	4000 RPO 6000 Reg	6702 6802	5000 RPO 6000 RPO
Piston displacement	235.5 cu. in.										261 cu. in.
Bore and stroke (Nominal)	3-9/16 x 3-15/16										3-3/4 x 3-15/16
Type	Valve-in-head, 6-cylinder										
Compression ratio	7.5:1										7.17:1
Taxable (SAE) horsepower	30.4										33.7
Idling speed	475 RPM										
Comp. pressure (Engine hot)	130 PSI or better at cranking speed										
Dry weight (pounds) Engine and clutch	604			612				614			616
Dry weight (pounds) with transmission	666	662	734	770		670	770	773			775
Governor equipment	RPO 241			Regular				RPO 241	Regular		RPO 241
Governor speed	2300 to 3200 RPM •			35MPH				3200 RPM x	35 MPH		3400 RPM •

ADVERTISED MAXIMUM ENGINE PERFORMANCE

ITEM		3100, 3600, 3800, 4000	3700, 3900, 5000	(4000 RPO) 6000	RPO 5000	RPO 6000
Horsepower	Gross	112 @ 3700 RPM	107 @ 3600 RPM	112 @ 3700 RPM	125 @ 4000 RPM	135 @ 4000 RPM
	Net	105 @ 3600 RPM	102 @ 3500 RPM	105 @ 3600 RPM	114 @ 3600 RPM	123 @ 3600 RPM
Torque (ft lb)	Gross	200 @ 2000 RPM	192 @ 2000 RPM	200 @ 2000 RPM	210 @ 2000 RPM	220 @ 2000 RPM
	Net	195 @ 2000 RPM	188 @ 2000 RPM	195 @ 2000 RPM	205 @ 2000 RPM	215 @ 2000 RPM

ENGINE SPEED AND PISTON TRAVEL#

Series	Tire Size	Axle Ratio	Transmission Type	Engine RPM at one MPH Low	2nd	3rd	High	Piston Travel (ft / mi) 235.5 Eng. and 261 Eng.	Crankshaft (rev / mile)
3100	6.00-16	3.9:1	3-Speed	140	80	48		1881	2867
			4-Speed	337	171	82	48		
			3-Speed Heavy Duty	151	84	48			
			4-Speed Automatic	183	126	69	48		
	6.50-16		3-Speed	139	79	47		1863	2839
			4-Speed	334	169	81	47		
			3-Speed Heavy Duty	150	83	47			
			4-Speed Automatic	181	124	69	47		
	15"		3-Speed	137	78	46		1830	2789
			4-Speed	328	166	79	46		
			3-Speed Heavy Duty	147	81	46			
			4-Speed Automatic	178	122	67	46		
3600	15"	4.57:1	3-Speed	160	91	54		2145	3268
			4-Speed	384	195	93	54		
			3-Speed Heavy Duty	173	95	54			
			4-Speed Automatic	257	165	84	54		
	6.50-16		3-Speed	163	93	55		2183	3327
			4-Speed	391	199	95	55		
			3-Speed Heavy Duty	176	97	55			
			4-Speed Automatic	262	168	86	55		
	7.00-17		3-Speed	147	84	50		1964	2993
			4-Speed	352	179	85	50		
			3-Speed Heavy Duty	158	87	50			

Continued

11-28-53. Revised: 12-18-53. •-Data revised. x-Data corrected

3600	7.00-17	4.57:1	4-Speed Automatic	235	151	77	50	1964	2993
	7.50-17		3-Speed	143	82	49		1910	2911
			4-Speed	342	174	83	49		
			3-Speed Heavy Duty	154	85	49			
			4-Speed Automatic	229	147	75	49		
3600 RPO 3700 3800 3900	15"	5.14:1	3-Speed	180	103	61		2412 ⊥	3675
			4-Speed	432	219	105	61		
			3-Speed Heavy Duty	194	107	61			
			4-Speed Automatic	289	186	95	61		
	6.50-16		3-Speed	183	105	62		2456§	3742
			4-Speed	439	223	106	62		
			3-Speed Heavy Duty	197	109	62			
			4-Speed Automatic	294	189	97	62		
	7.00-17		3-Speed	165	94	56		2210	3367
			4-Speed	396	201	96	56		
			3-Speed Heavy Duty	178	98	56			
			4-Speed Automatic	265	170	87	56		
	7.50-17		3-Speed	160	92	55		2149	3274
			4-Speed	385	195	93	55		
			3-Speed Heavy Duty	160	92	55			
			4-Speed Automatic	258	165	85	55		
	7.00-18		3-Speed					2125 ♦	3238
			4-Speed	381	193	92	54		
			3-Speed Heavy Duty	171	94	54			
			4-Speed Automatic	255	164	84	54		
4000	6.50-20	5.43:1	4-Speed	388	197	94	55	2166	3301
	7.00-20			377	191	91	53	2103	3204
	7.50-20			365	185	88	52	2035	3101
	6.50-20	6.17:1		441	224	107	63	2462	3751
	7.00-20			428	217	104	61	2389	3640
4-5-6000	7.50-20			414	210	100	59	2312	3523
	8.25-20			400	203	97	57	2231	3400
	▼9.00-20			382	194	92	54	2130	3245
5000 6000	7.50-20	6.13:1	4-Speed	412	209	100	58	2297	3500
		8.10:1		544	276	132	77	3035	4625
	8.25-20	6.13:1		397	202	96	56	2217	3378
		8.10:1		525	266	127	74	2929	4463
	▼9.00-20	6.13:1		379	192	92	54	2116	3224
		8.10:1		501	254	121	71	2796	4261
	7.50-20	6.7:1	2-Speed	450	228	109	64	2511	3826
		8.86:1		592	302	144	84	3320	5059
	8.25-20	6.7:1		434	220	105	62	2423	3692
		8.86:1		574	291	139	81	3204	4882
	▼9.00-20	6.7:1		415	210	100	59	2313	3524
		8.86:1		548	278	133	78	3058	4660

Engine RPM is determined by locating the figure for one mile per hour and multiplying by the desired miles per hour - MPH is determined by dividing the known engine RPM by the engine RPM for one mile per hour

E-Also known as N/V factor

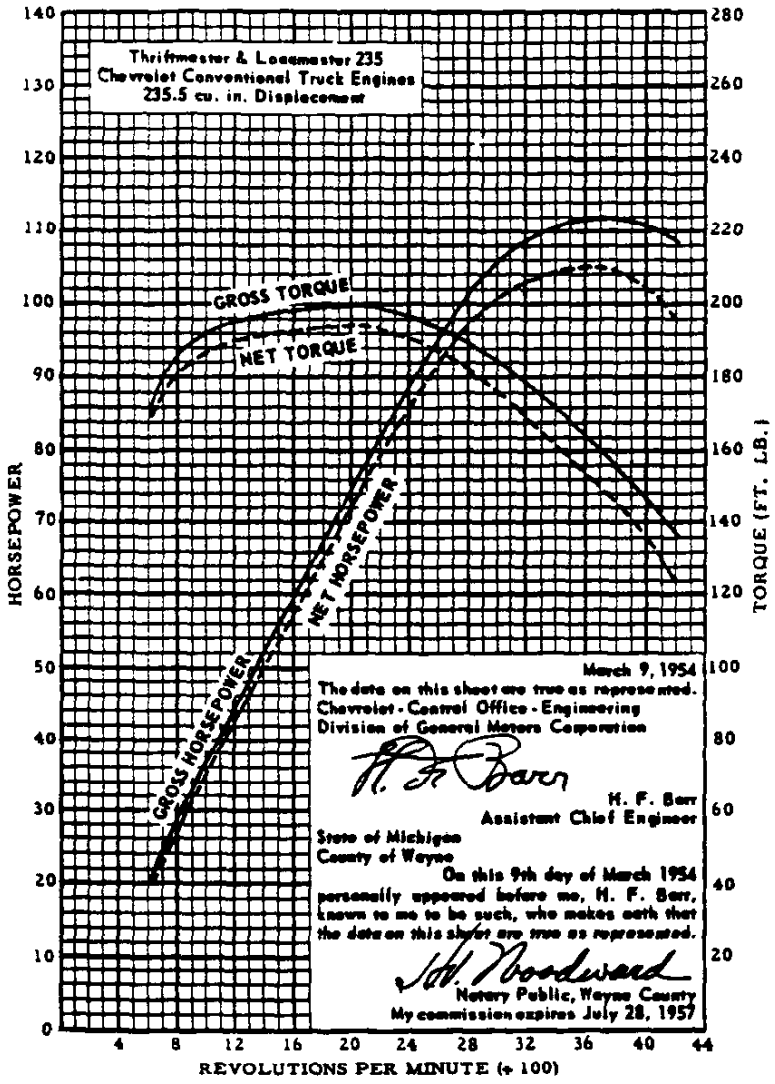
§-3600 only

♦-3800-3900 only

⊥ 3600-3700 only

▼-9.00 x 20 tires not available on 67-6800; Also platform, or platform and stake models

ENGINE PERFORMANCE •



The engine performance curves shown on this sheet are taken from Chevrolet engine test reports 16670-124 and 16700-110. They represent the full throttle performance of a Thriftmaster and a Loadmaster Chevrolet conventional truck engine (235.5 cu. in. displacement) as obtained from dynamometer test data which were corrected to the standard barometric pressure 29.92" Hg. and the standard temperature of 60°F.

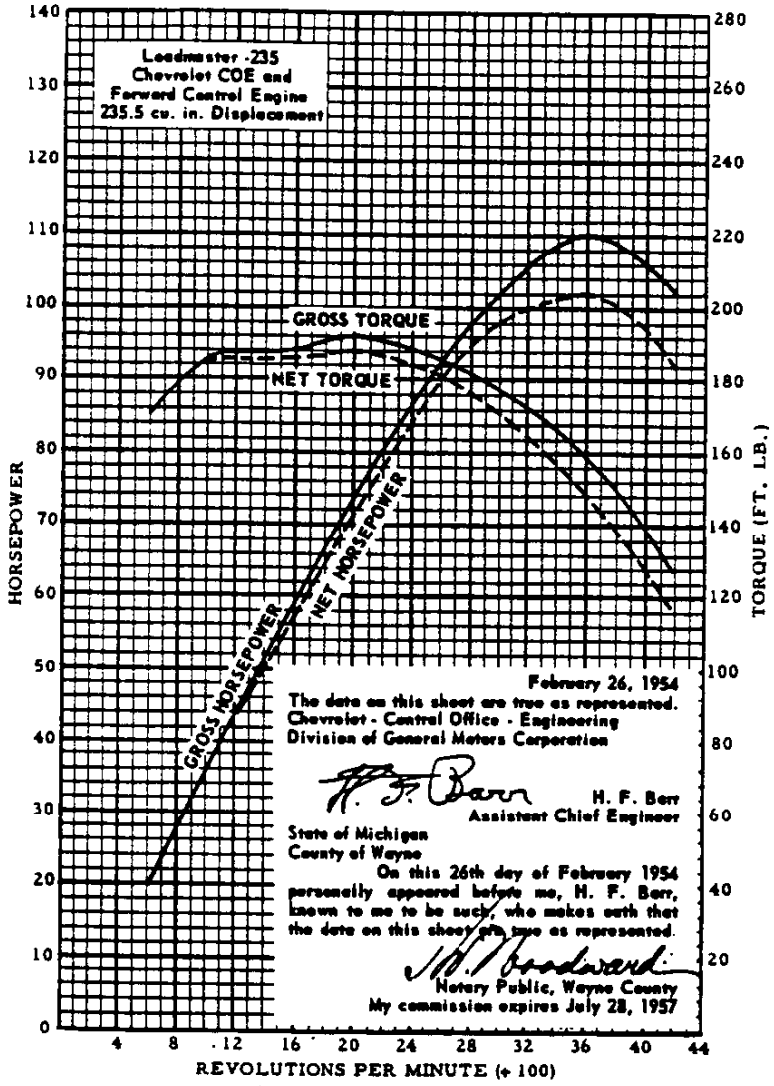
GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging.

11-28-53. Revised: 5-1-54, •-Engine curve released.

See page 143 for Loadmaster
235 Engine Power Curve.

ENGINE PERFORMANCE •



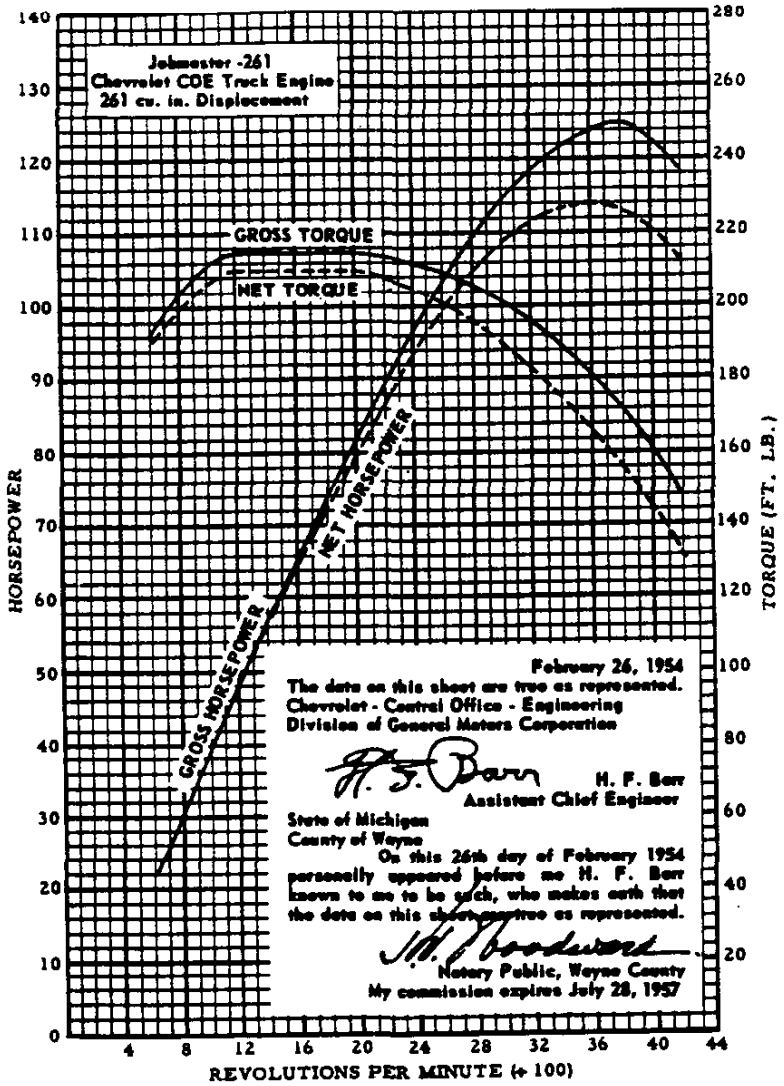
The engine performance curves shown on this sheet are taken from Chevrolet engine test report 16700-111. They represent the full throttle performance of a Loadmaster Chevrolet COE and Forward Control Truck engine (235.5 cu. in. displacement) as obtained from dynamometer test data which were corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60°F.

GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging

.11-28-53. Revised: 5-1-54, e-Engine curve released.

ENGINE PERFORMANCE •



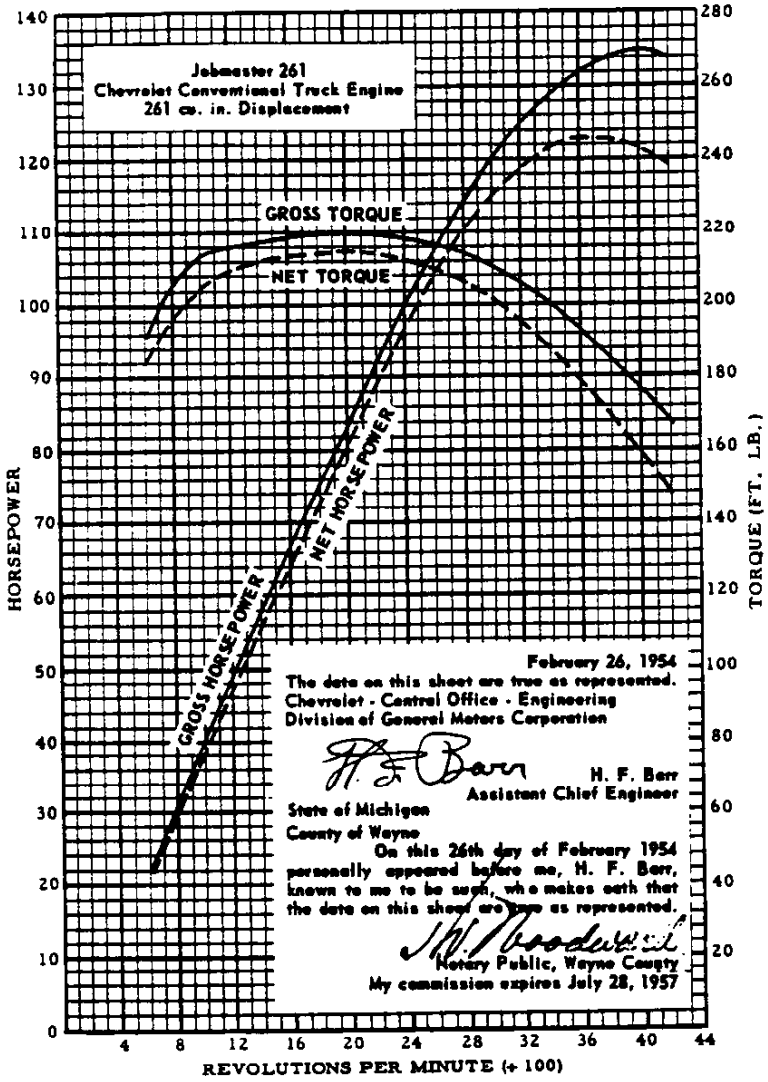
The engine performance curves shown on this sheet are taken from Chevrolet engine test report 16670-136. They represent the full throttle performance of a Jobmaster Chevrolet COE truck engine (261 cu. in. displacement as obtained from dynamometer test data which were corrected to the standard barometric pressure of 29.92" Hg. and the standard temperature of 60°F.

GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging.

11-28-53. Revised: 5-1-54, e-Engine curve released.

ENGINE PERFORMANCE •



The engine performance curves shown on this sheet are taken from Chevrolet engine test report 16670-135. They represent the full throttle performance of a Jobmaster Chevrolet conventional truck engine (261 cu. in. displacement) as obtained from dynamometer test data which were corrected to the standard barometric pressure 29.92" Hg. and the standard temperature of 60°F.

GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging.

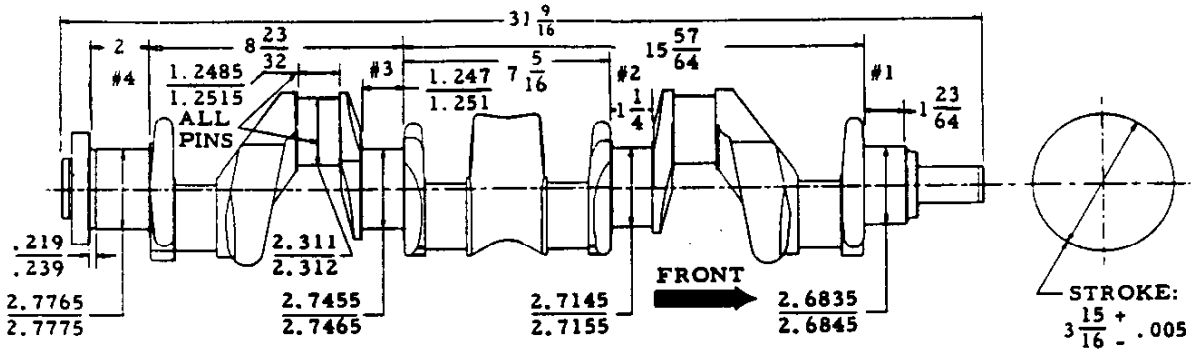
11-28-53. Revised: 5-1-54, e-Engine curve released.

CYLINDER AND CASE AND HEAD

Material ---------- Cast alloy iron
Cylinder head bolt torque ---------- 90-95 ft lb
Offset ---------- None

Bore diameter:
235.5 Engine ---------- 3.5620-3.5640
261.0 Engine ---------- 3.7490-3.7510

CRANKSHAFT AND BEARINGS



CRANKSHAFT

Material ---------- Drop-forged steel
Weight ---------- 235.5 Engine, 78.5 lb
End play ---------- .0035-.0095
Counter weights ---------- 7
Stroke ---------- 3-15/16 ± .005

HARMONIC BALANCER (Vibration damper)

Type ---------- Oscillating (Rubber-floated)
Crankshaft pulley pitch diameter ---------- 5-7/8

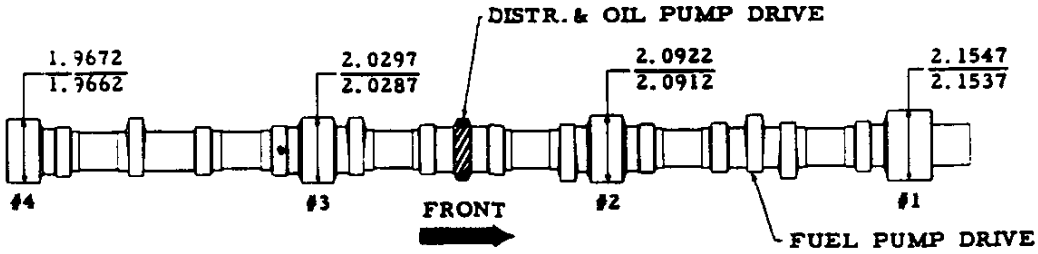
MAIN BEARINGS

Material ---------- .003-.006 babbitt on steel shell
Type ---------- Precision interchangeable
Removable ---------- From below
Necessary to align ream ---------- No
Clearance ---------- .0005-.0031 fit with solid shims
End thrust against ---------- #3 bearing
Bearing bolt torque ---------- 100-110 ft lb with oiled threads

Brg	Inside Dia	Length	Proj. Area*
#1	2.6850-2.6866	1.093	2.345 sq. in.
#2	2.7160-2.7176	.936	2.019 sq. in.
#3	2.7470-2.7486	1.2415-1.2435	2.209 sq. in.
#4	2.7780-2.7796	1.219	2.776 sq. in.

* - Based on effective length, i.e. overall length shown above, less oil groove and chamfers.

CAMSHAFT AND BEARINGS ●



CAMSHAFT

Material ---------- Cast alloy iron
End play ---------- .003-.007
Ramp Inlet: 235.5 ---------- .0111
261 ---------- .0107
Ramp Exhaust: 235.5 ---------- .0140
261 ---------- .0148

DRIVE

Make and type ---------- Chevrolet, helical gear
Driven gear (on camshaft) material ---- Aluminum alloy
Drive gear (on crankshaft) material ---------- Steel

BEARINGS

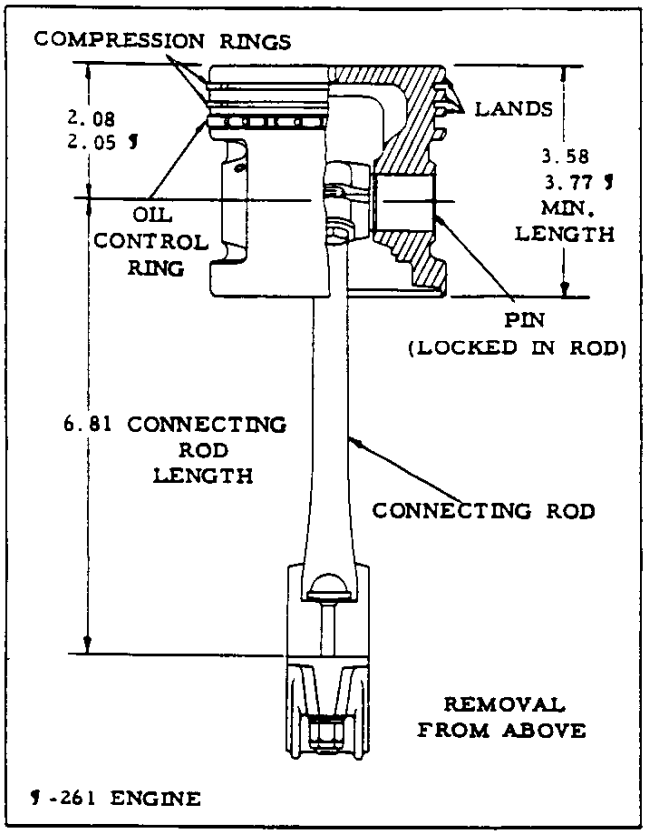
Material ---------- Steel-backed babbitt
Clearance on diameter ---------- .0010-.0030
Thrust taken by ---------- Thrust plate between driver timing gear and camshaft #1 journal front face

Brg	Inside dia	Length	Proj Area ◇
#1	2.1557-2.1567	1.12	2.415 sq.in.
#2	2.0932-2.0942	.94	1.968 sq.in.
#3	2.0307-2.0319	.94	1.909 sq.in.
#4	1.9682-1.9692	.94	1.846 sq.in.

◇-Based on overall length shown above.

11-28-53. Revised: 5-1-54, ●-New cast alloy iron camshaft.

PISTON-PIN-RINGS



PISTON

Make----------Own
Material---------Cast alloy aluminum with steel struts
Features----------Flat head, tin plated, oval with controlled thermo expansion
Skirt clearance in cylinder bore----------.0005-.0011≠
235.5 Engine:
Land clearance in cylinder bore--------.0115-.0155*
Compression ring groove depth----------.184-.192
Oil ring groove:
Depth----------.179-.187
Holes, number and size----------8, 5/32 drill
Head thickness at center----------.235-.245
Piston pin bushings----------None
Weight of piston----------1.18 lb
Weight of piston, rings, pin and connecting rod upper end x 6 (units/engine)----------12.50
261 Engine:
Compression ring groove depth----------.193-.201
Oil groove:
Depth----------.184-.192
Holes, number and size----------8, 5/32 drill
Head thickness at center----------.255-.265
Weight of piston----------1.36 lb
Weight of piston, rings, pin and connecting rod upper end x 6 (units/engine)----------14.51 lb •

PISTON PIN

Material----------Chromium steel (file-hardcase)
Diameter:
235.5----------.8660-.8665
261----------.9270-.9275
Length:
235.5----------3.198-3.228
261----------3.385-3.415
Taper limit in full length----------.0002
Weight:
235.5----------.320
261----------.375
Clearance in piston----------.00015-.00025 •

COMPRESSION RINGS

Type----------Deep section, twist
Number per piston----------2
Material----------Cast iron
235.5 Loadmaster and 261 Jobmaster upper ring only----------Chrome plated
Width----------.930-.0935
Wall thickness:
235.5----------.168-.178
261----------.177-.187
Gap clearance:
235.5----------.007-.017 •
261----------.010-.020 •
Ring clearance in groove----------.0020-.0035

OIL RINGS

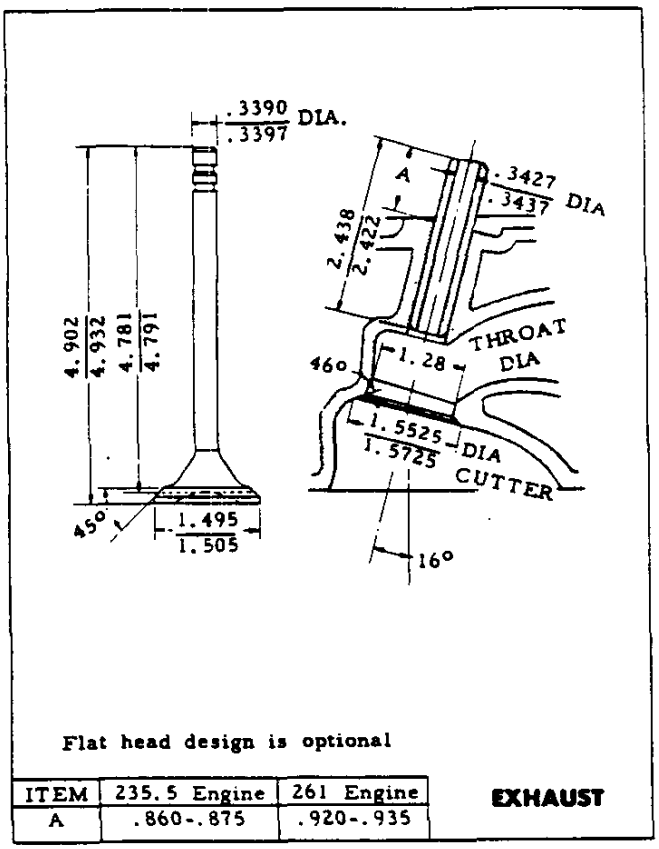
Material----------Cast iron
Type----------Wide slot with expander
Width----------.1860-.1865
Wall thickness:
235.5 Thriftmaster----------.134-.141
235.5 Loadmaster and 261 Jobmaster-----.115-.125
Gap clearance:
235.5 Thriftmaster----------.005-.015
235.5 Loadmaster and Jobmaster----------.010-.018
Ring clearance in groove----------.0015-.0030
Expander type:
235.5 Thriftmaster-----Eight crimp flat spring steel
235.5 Loadmaster and 261 Jobmaster--Coiled spring

CONNECTING RODS

Type----------Rod clamps piston pin
Material----------Drop-forged steel
Rod width at piston pin----------1.126-1.129
Rod width at crankpin----------1.2415-1.2435
Crankpin bearings:
Type----------Precision interchangeable insert
Material----------Steel backed, thin wall babbitt
Diameter----------2.3127-2.3138
Effective length (overall length less chamfers)1.008
Clearance on diameter----------.0007-.0028
Projected area per rod (based on effective length)----------2.332 sq. in.
Assembly weight: 235.5----------1.99 lb
261----------2.10 lb •
Upper end weight: 235.5----------.454 lb •
261----------.544 lb •
Lower end weight: 235.5----------1.53 lb
261----------1.55 lb •
Total rotating weight of connecting rods (Weight of lower end x 6): 235.5----------9.19 lb
261----------9.31 lb •
End play----------.005-.010 •
Recommended nut torque, with oiled threads----------35 to 45 ft lb

* Land clearance = cylinder bore dia minus land dia ÷ 2
≠ Skirt clearance = cylinder bore dia minus piston dia
11-28-53. Revised: 5-1-54, •-Data revised.

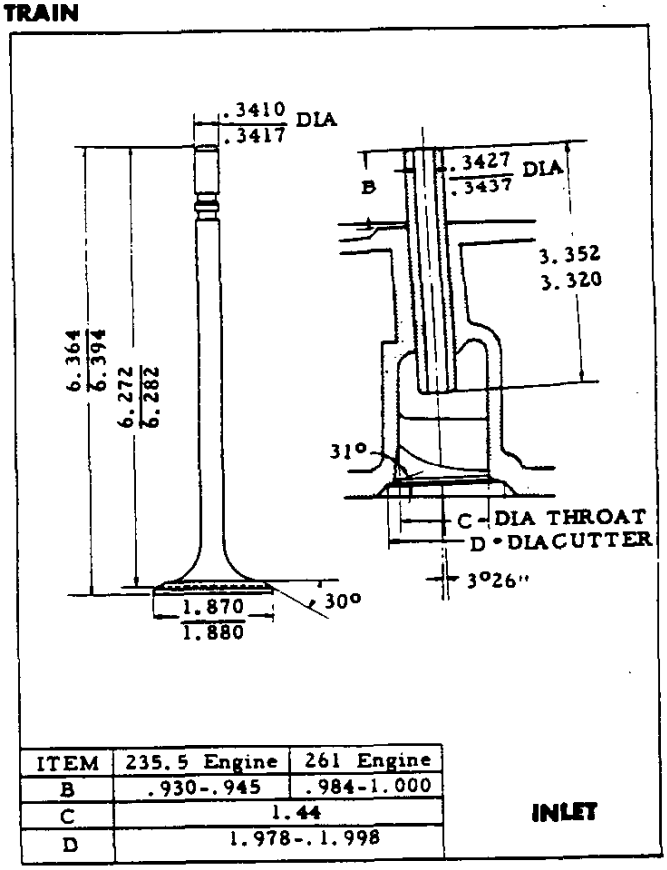
VALVE TRAIN



Flat head design is optional

ITEM	235.5 Engine	261 Engine
A	.860-.875	.920-.935

EXHAUST



ITEM	235.5 Engine	261 Engine
B	.930-.945	.984-1.000
C	1.44	
D	1.978-1.998	

INLET

VALVES

Make ---------- Own
Material:
Exhaust valve: Thriftmaster ---------- Silcrome steel
Loadmaster & Jobmaster ----- Silcrome XCR steel
Inlet valve ---------- Silcrome or Nickel-chrome steel
Stem and style ---------- Grooved for keys and oil seal
Lift:
Exhaust valve (235.5 Engine) ---------- .3118
261 Engine ---------- .4143
Inlet valve (235.5 Engine) ---------- .2941
261 Engine ---------- .4051
Face angle: Exhaust valve ---------- 45°
Inlet ---------- 30°
Distance between valve centers (measured along centerline of engine) ---------- 1.547

Valve Lash: •	Inlet	Exhaust
3000 Series (* Engine normalized)	.006	.016
4-5-6000 Series (*Engine normalized)	.006	.020

*-To normalize engine (run it at fast idle approximately 600 RPM) until a constant oil temperature is maintained for a period of five minutes.
Exhaust valve rotators:
Loadmaster and Jobmaster ---- Positive rotation type

TAPPETS

Type, material ---------- Cylindrical, cast alloy iron
Outside diameter ---------- .989-.990
Lift:
Exhaust (tappet) 235.5 Engine ---------- .2111
261 Engine ---------- .2805
Inlet (tappet) 235.5 Engine ---------- .1991
261 Engine ---------- .2743
Clearance ---------- Selective fit
11-28-53. Revised: 12-18-53; 5-1-54, •-Data revised.

VALVE STEM GUIDES

Type ---------- Removable
Clearance with stem: Exhaust ---------- .003-.0047
Inlet ---------- .001-.0027

VALVE ROCKER ARMS

Material ---------- Cast malleable iron
Ratio (valve lift to cam lift) ---------- 1.477:1
Torque of valve rocker shaft support bolts and nuts ---------- 25-30 ft lb
Bearing: Type ---------- Machined in rocker arm
Inside diameter ---------- .7925-.7935
Length ---------- .9354

VALVE SPRINGS

Length and pressure:
Valve closed (235.5 Engine) ---------- 1.821 @ 62-68 lb
261 Engine ---------- 1.858 @ 74-82 lb •
Valve open (235.5 Engine) ---------- 1.505 @ 155-165 lb
261 Engine ---------- 1.462 @ 196-208 lb •
Free length (235.5 Engine) ---------- 2.156 •
261 Engine ---------- 2.281 •

VALVE SEATS

Material ---------- Cast alloy iron (Cylinder Head)
Inserts ---------- None
Angle: Exhaust seat (In head) ---------- 46°
Inlet seat (In head) ---------- 31°
Width in head: Exhaust seat ---------- .062-.093
Inlet seat ---------- .035-.060

ENGINE COOLING SYSTEM

Method of cooling cylinder walls --- Full stroke length water jacket with water around each cylinder.

ITEM			3100	3700, 3900	3600	3800	4000	5000	6000	RPO 5000, 6000
Capacity (quarts)	Regular		16			17		18		17
	RPO 256				17	18				
Radiator core	Make, type & matl		Harrison, cellular, copper							
	Size	Regular	.20 x .560 x 2			.20 x .560 x 2.5		.20 x .560 x 3.0		
		RPO 256			.20 x .560 x 2.5	.20 x .560 x 3.0				
	Frontal area (sq. in.)	Reg & RPO 256	407							
Pressure, cooling system			Radiator cap pressure valve opens 3-1/2 to 4-1/2 lb							
Radiator hose	Type		Fabric reinforced rubber hoses, with special curved design							
	Location and size	Inlet	Elbow type, cylinder head to radiator, 1-1/4 ID							1-1/2 ID
		Outlet	Compound curved, coil spring reinforced, rad to water pump, 1-1/2 ID							1-3/4 ID
Thermostat	Make and type		Harrison, bellows operated poppet valve							
	Location		In cylinder head water outlet							
	Valve action		At 29" Hg Bar. press. starts to open at 148-156°F, fully open at 176°F							
Engine fan	Make		Chevrolet							
	Type and size		4 staggered blades, 18 diameter							
	Pulley size		36°V x 4-3/16 pulley dia				28°V x 4-21/64 pulley dia			
	Ratio to engine		1.405:1				1.393:1			
	Fan belt	Material	One-piece reinforced rubber							
		Size	3/8 x 42-1/2 approx pitch length				11/16 x 42-7/8 approx pitch length			
	Shroud				With RPO 256 rad equip				Regular	
Water pump	Type and drive		Centrifugal, by fan belt							
	Location		On front of cylinder and case							
	Capacity (GPM @ Engine RPM)		47 @ 4000							54 @ 4000
	Bearing		Anti-friction bearings, see page 165							
	Seal		Molded rubber, spring loaded							

FUEL SYSTEM

FUEL TANK

ITEM		3100 3600	3800	4100, 4400 6100, 6400	5000	3700 3900	45,67 6800 •
Location	Chassis and single unit bodies	Inside of frame on right side		Outside of frame on RH side		Outside of frame on RH side	
	Models with cab	Behind seat in cab, equipped with fuel line shutoff and drain cock					
Type of construction		Two stamped pans, seam welded together					3 pc. seam weld
Capacity	Cabs	17-1/2					
	Others	16	18			16	30
Filler location		On right side of vehicle					
Gauge (tank)	Make	AC					
	Type	Electric					

*-BB1-871-5B, 37-3900; BB2-20755, 5000

CARBURETOR

ITEM	31, 36-3800 4000, 6000	RPO 6000	37-3900, 5000 Reg & RPO
Make	Rochester		Carter
Model	7004468	7005140	*(•)
Type	Single adjustment, balanced		
	Down draft		Up draft
Idle adj (number of turns open)	1 to 2-1/2		1/2 to 1-1/2
Size (main venturi throat ID)	1-11/32	1-15/32	1-3/16
SAE flange size	1-1/2		
Float level when closed	Bottom of float is 1-5/16 below finished surface of cover		Top of float 0 to 1/32 below top of float chamber
Choke	Manual (no automatic choke)		
Manifold Heat control	Automatic(thermostatic)		
Manifold Cover	None		

AIR CLEANER

ITEM		3100, 3600, 3800, 4000	3700, 3900	5000	6000
Make		AC			
Silencer & flame arrester type; oil-wetted		Regular equipment			
Heavy duty	1 pint oil capacity	RPO 216		Regular	
Oil bath type	2 pint oil capacity	RPO 216			Regular

Continued

11-28-53. Revised: 12-18-53; 5-1-54, •-Data corrected.

FUEL SYSTEM—Continued

OCTANE SELECTOR

Type ---------- On distributor assy, manual, 20° range

FUEL PUMP

Make and model ---------- AC, model AF
Type ---------- Mechanical (diaphragm) "high reserve"
Drive ---------- From camshaft
Arm movement ---------- 1/4 at camshaft
Air dome ---------- Yes (inlet and outlet)
Filter ---------- 120-mesh screen in dome
Pressure at carburetor ---------- 3-1/2 to 4-1/2 PSI

FUEL AND VACUUM PUMP-RPO 340

Make and model ---------- AC, model DB •
Pressure at carburetor ---------- 3-1/2 to 4-1/2 PSI
Other fuel pump specifications ---------- See regular fuel pump
Vacuum pump type ---------- Mechanical (diaphragm)
Operation ---------- Operative when manifold vacuum is insufficient for windshield wiper action.

EXHAUST SYSTEM

Muffler:
Make and type ---------- Various makes; diffusion and resonance type with straight through flow
Muffler mounting ---------- Single-point
Exhaust pipe outside diameter ---------- 2
Tail pipe inside diameter ---------- 1-13/16

ENGINE LUBRICATING SYSTEM

METHOD OF LUBRICATION

Type ----- Full pressure (direct and metered pressure)
Main bearings ---------- Direct pressure through drilled passages in cylinder case
Camshaft bearings ---------- Direct pressure through passages from main bearings
Timing gears ---------- Sprayed by nozzle which is fed oil from the camshaft front bearing
Connecting rod bearings -------- Direct pressure from main bearings through drilled passages in crankshaft
Cylinder bores and piston pins ---------- Sprayed from metering hole in each connecting rod bearing
Valve mechanism ------- Oil flows from rear camshaft bearing through drilled passage to push rod chamber through metering hole in pipe fitting, then is piped to rocker shaft and arms. Valve stems, springs, and push rods are gravity-fed from rocker arms.

OIL PUMP

Type ---------- Spur gear
Drive ---------- From camshaft by worm gear
Capacity (gallons per minute, hot oil) ---------- 4.30 at 1170-1200 engine RPM
Normal oil pressure (hot) ---------- 45 PSI at 1170-1200 engine RPM
Width of gears ---------- 1 inch
Cleaner type ---------- 20 mesh, .015 non-corrosive steel wire screen, with by-pass

MISCELLANEOUS

Oil level gauge ---------- Rod type

Oil Filter (RPO 237)		
Make and Model	Capacity (dry)	Replaceable element Model No.
AC S-6	1 qt	P-115
AC S-2	2 qt	P-117

OIL PAN

Capacity (quarts) ---------- Dry, 5-1/2; refill, 5
Drail plug location ---------- At rear of oil pan
Torque, corner bolts ---------- 12-1/2 to 15 ft lb
Torque, flange screws ---------- 6 to 7-1/2 ft lb

LUBRICANT RECOMMENDED

Temperature, ambient	Grade
Not lower than 32°F ----------	SAE 20W or SAE 20
As low as 10°F ----------	SAE 20W
As low as minus 10°F ----------	SAE 10W
Below minus 10°F ----------	SAE 5W
Above 90°F ----------	SAE 30 x

CRANKCASE VENTILATION AND OIL FILLER

Crankcase ventilation: ---------- Forward control and ... engine models ----Vacuum operated. Closed out... tube from ventilator body to inlet manifold pr... es suction when engine is running All others ---------- Open outlet tube, extending from ventilator body into air stream beneath engine, provides suction when vehicle is moving.
Air Inlet (261 Engine) ---------- Through air cleaner to rocker cover. All others, Inlet louvers in rocket cover.
Oil filler location (Series 5000) In ventilator body; All others, on value rocker cover at front.

11-28-53. Revised. 5-1-54, e-Data corrected. x-Data added.

ENGINE ELECTRICAL SYSTEM

GENERATOR

Series usage		3000	4-5-6000
Make		Delco-Remy	
Model number		1100028 o	1102793
Rated voltage		6 to 8	
Ventilation		By fan in generator pulley	
Driven by		Fan belt	
Pulley size	V angle	36°	28°
	Pitch dia	2.875	3.434
Speed ratio (generator to engine)		2.05:1	1.83:1
Max. output speeds (hot)	Gen. RPM	3000 and up o	2550 and up
	Eng. RPM	1462 and up o	1393 and up

Bearings:	Commutator end	Drive end
Number	812823	Anti-friction bearing See pages 165, 166
Type	Bronze bushing	
ID	.562-.563	
OD	.778-.780	
Length	.792-.807	

Brush spring tension----------24 to 32 oz
Rotation (drive end)----------Clockwise

VOLTAGE AND CURRENT REGULATOR

x	Series usage		3000	4-5-6000
	Make		Delco-Remy	
x	Model		1118843	1118827
	Type		Vibrator	
	Location		In engine compartment on LH side of dash	
	Voltage regulator	Volts	7.4	
		Temp	Operating	
		Average air gap	.075	
	Current regulator	Amp	40	45
		Temp	Operating	
		Average air gap	.075	
	Cut-out relay	Point opening (amp)	0-4	
		Point closing (volts)	6.4	
	Generator armature speed (RPM)		1050	1160
	Average air and point gap		.020	

RPO 326 HEAVY DUTY GENERATOR EQUIPMENT

Make	40 amp	45 amp	50 amp	55 amp
Delco-Remy	3-4000, 5-6000 ♦	3000	All	All except 37-39-5000
Gen No.	1105009	1102793	1105008	1106757 or 1106976
Reg. No.	1118831	1118827	1118835	1118833 or 1118842

STARTING

Starting device----------Mechanical over-running clutch actuated by push button and solenoid for Series 3700, 3900 and automatic transmission. All others by foot pedal.
Starting operation----------With ignition switch ON, depress push button on Series 3700, 3900, and automatic transmission; depress starter for all others.
Pinion meshes----------From front of flywheel
Pinion teeth----------9
Flywheel teeth----------139, 1/2 wide, 13.9 PD
Flywheel bolt torque---------- 50-65 ft lb
Gear ratio (starter to flywheel)----------15.44:1
Normal engine cranking RPM (60°F air)---------- 125

STARTING MOTOR

Make---------- Delco-Remy
Model: Series 3700, 3900---------- 1107109
Automatic transmission---------- 1107135
All others---------- 1107108
Number of field coils---------- 2 x
Direction of rotation (front view)--- Counter-clockwise

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

Test data:	Lock test	No load test
Amperage	550	80
Volts	3.25	5.60
Torque	11 ft lb	
RPM		5500

Brush spring tension----------24 to 28 oz

BATTERY

ITEM	4500, 6700 6800	3700 3900	ALL OTHERS
Make and model	Delco, 19Q6W	Delco, 15AA6-W	
SAE No.	2M	1M	
Length, at top	10-5/16	9-1/32	
Width, at top	7		
Height (overall)	8-11/16		
Voltage	6		
Capacity	125 amp hrs at 20-hour rate	100 amp hrs	
Bench normal charging rate	9 amp	7 amp	
Cells	3, side-to-side arrangement		
Plates per cell	19	15	
Ground	Negative terminal		
Location	At right side of engine, on frame	In cab, below floor, at right of driver	

IGNITION SYSTEM

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

COIL

Make, model (5000 only)---------Delco-Remy 1115388
All others----------Delco-Remy 1115380
Location---------- Engine right side
Amperes drawn-------- 4.5 engine stopped; 2.5 idling

SPARK PLUGS

Make and model:
Thriftmaster---------- AC, 44-5 Com.
Loadmaster & Jobmaster---------- AC, 43-5 Com.
Thread size---------- 14 mm
Recommended gap---------- .035
Recommended torque----------15-25 ft lb

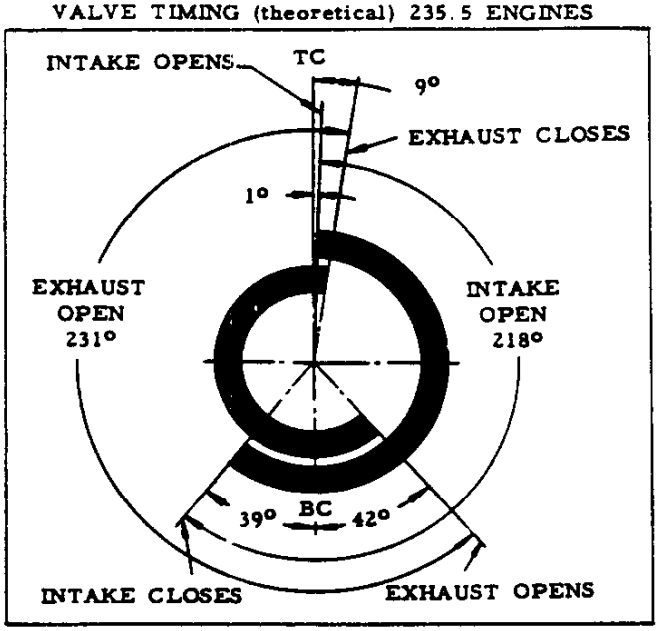
Continued

11-28-53. Revised: 5-1-54, o-Data revised. x-Data added. ♦-Data corrected.

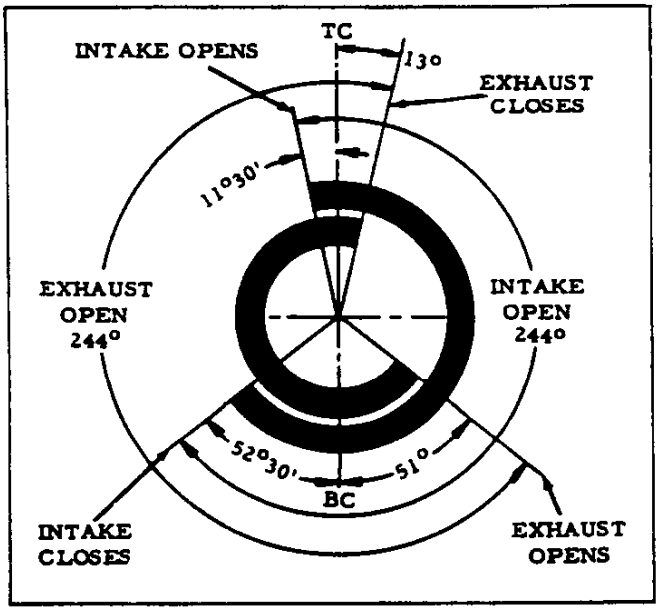
DISTRIBUTOR

Distributor (Delco-Remy)		• 1112396	1112392
Engine cu in. displacement		235.5	261
Breaker contact lever opening		.016-.021	
Nominal cam angle		38°-45°	
Breaker arm tension		19-23 oz	
Vacuum control part no.		1116043	
Condenser	Part number	1869704	
	Capacity	.2 mf	

VALVE TIMING (theoretical) 235.5 ENGINES



VALVE TIMING (theoretical) 261 ENGINE



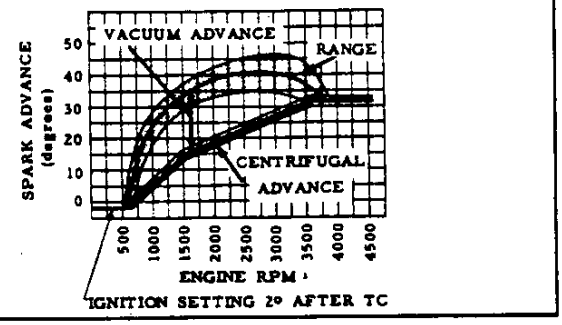
ENGINE TIMING-IGNITION

(Ignition data given in crankshaft degrees)

Timing spark advance (initial setting):
235.5 Engine ----------2° after TC
261 Engine ----------5° before TC
Timing mark, location ----------Steel ball in flywheel
Firing order ----------1-5-3-6-2-4

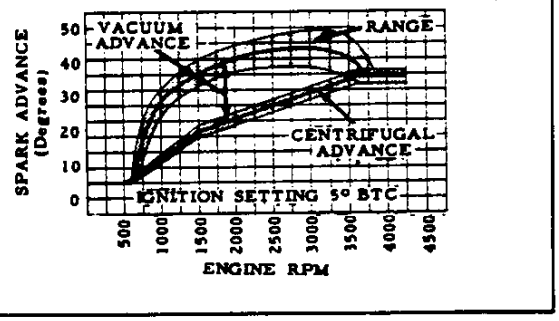
THRIFTMASTER & LOADMASTER 235.5 CU IN. ENGINES

Automatic Spark advance	Advance begins	Full advance
Vacuum Control	7" to 8.5' Hg	18° to 22° at 16.5" to 18.5" Hg
Centrifugal	450 to 750 RPM	24° to 28° at x 3500 RPM and up

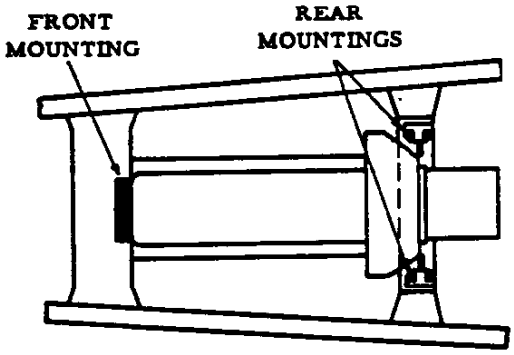


JOBMASTER 261 CU IN. ENGINE

Automatic Spark advance	Advance begins	Full advance
Vacuum Control	7" to 8.5" Hg	18° to 22° at 16.5: to 18.5" Hg
Centrifugal	500 to 600 RPM	32° to 36° at 3600 RPM and up

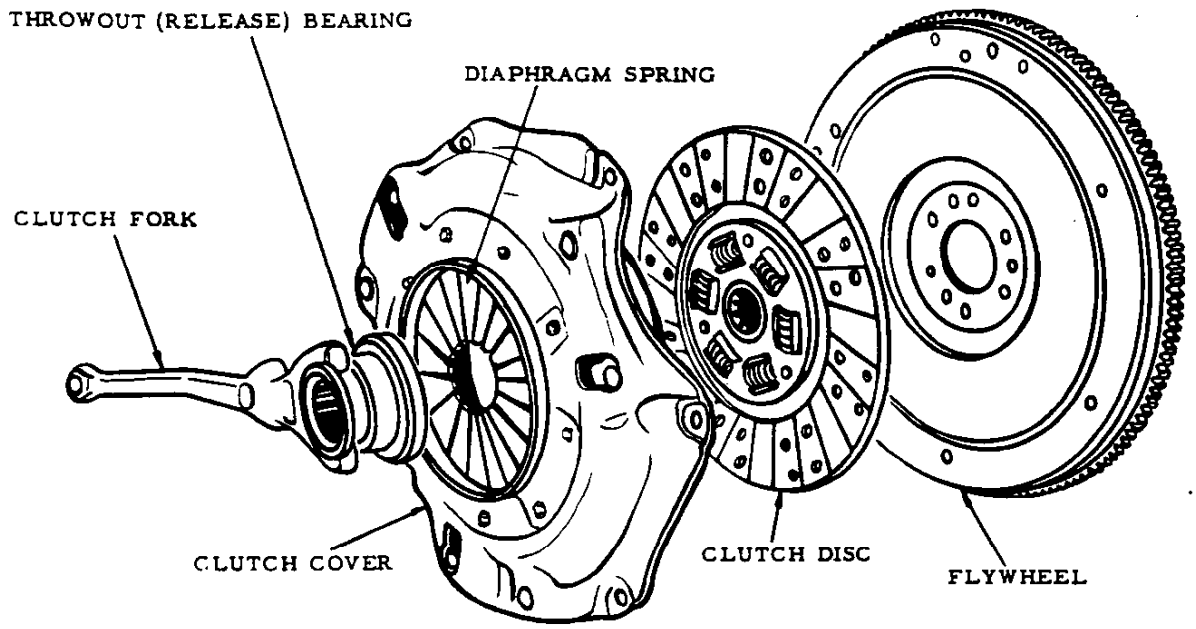


ALL TRUCKS

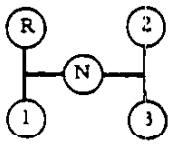


TYPE: 3-POINT RUBBER (CUSHION BALANCED)

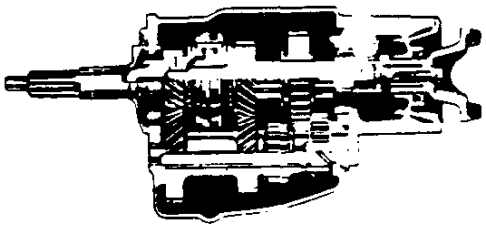
11-28-53. Revised: 5-1-54, e-Data revised. x-Data corrected.



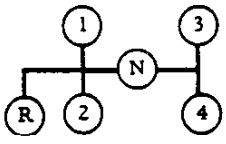
ITEM			3100-3600-3800		All others
			Regular clutch	RPO 227	Regular clutch
Type			Single dry plate		
Rated torque capacity			238 ft lb	282 ft lb	
Drive			Direct to flywheel		
Ventilation			Vanes cast in pressure plate		
Diaphragm spring	Pressure in flat position		1325 to 1450 pounds	1450 to 1550 pounds	
	Material		Spring steel, heat treated		
	Pressure levers		18, integral with spring		
Driving members			Two (flywheel and pressure plate)		
Driven disc	Type		One, spring cushioned plate with two molded facings		
	Vibration insulation at hub		6 cushion springs		
	Facing (2)	Material	Woven or molded asbestos compostion		
		Outside diameter	10	11	
		Inside diameter	6	6-1/2	
		Area (both facings)	100.53 sq. in.	123.70 sq. in.	
		Thickness	.132-.138	.130-.136	
Bearings	Throwout (release)	Type, make, number	Anti-friction bearings, see pages 165, 166		
		Lubrication	Packed for life		
	Pilot	Make and number	Chevrolet 412562		
		Type	Sintered graphite-bronze bushing. Oil-impregnated		
		Inside diameter	.5905-.5920		
		Outside diameter	1.0935-1.0945		
		Width	.740-.760		
		Lubrication	Self		
Controls	Clutch fork type		Drop-forged (pivot mounted on ball)		
	Pedal mounting location		On shaft, bracketed to side rail (to sub frame in 5000)		
Flywheel	Material		Cast alloy iron		
	Weight (with ring gear)		30 pounds		
	Ring gear type		Steel, shrunk on		
	Ring gear teeth		139, 1/2 wide, 13.9 P.D. (9 teeth on starter pinion)		
Clutch attachment to flywheel			6 Bolts		



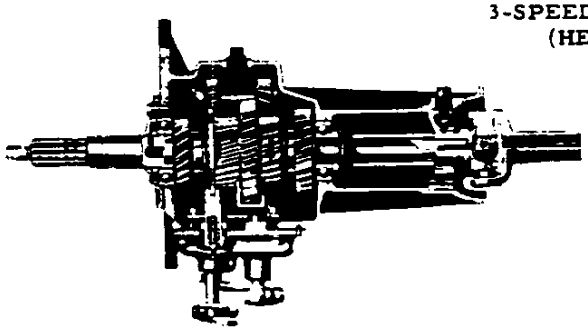
3 SPEED
SHIFTING PATTERN



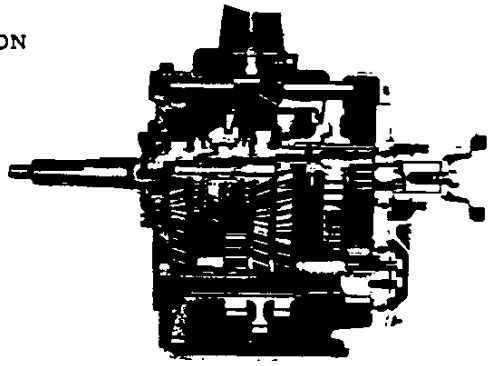
3-SPEED TRANSMISSION
(HEAVY DUTY)



4 SPEED
SHIFTING PATTERN



3-SPEED TRANSMISSION
(CONVENTIONAL)

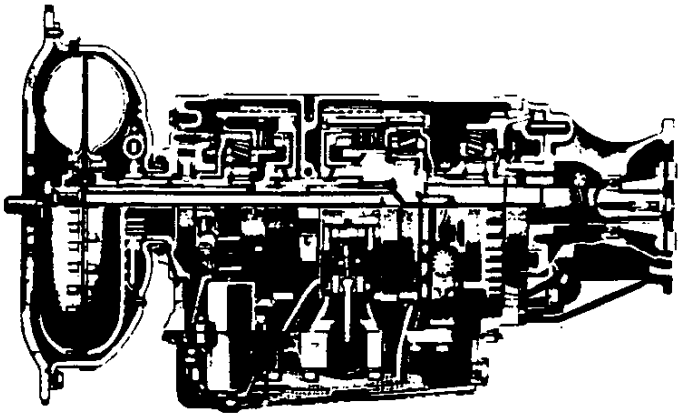


4-SPEED TRANSMISSION

ITEM				3100, 3600, 3700	3100, 3600, 3700 3800, 3900, RPO	3800, 3900, 4000 5000, 6000 Reg • 3100, 3600, 3700 RPO
Make and type				Own, 3-speed Synchro-mesh	Borg-Warner, 3-speed Synchro-mesh, heavy duty	Own, 4-speed Synchro-mesh
Gear shift control	Type			Manual, remote		Manual, direct
	Location			Mounted on steering column		Mounted on transmission
Input torque capacity				220 foot pounds	230 foot pounds	220 foot pounds
Gears	Type			All helical	Helical, except 1st and reverse	
	Material			Forged steel, hardened		
	Synchronized speeds			2nd and 3rd		2nd, 3rd, and 4th
	Constant mesh speeds			2nd		2nd and 3rd
	Sliding gears			1st and reverse		
	Ratios	Forward	1st	2.94:1	3.17:1	7.06:1
			2nd	1.68:1	1.75:1	3.58:1
			3rd	Direct	Direct	1.71:1
			4th			Direct
		Reverse		2.94:1	3.76:1	6.78:1
Bushings	Reverse idler material			Bronze, ball indented		
		Size	I D	.7515-.7525	.875	1.1272-1.1282 I D
			Length	3/4	1.062	1-1/8
	Transmission rear bearing support material			Bronze, ball indented		
		Size	I D	1.439-1.440		
			Length	.865-.885		
2nd gear bearing	Material			Gear I D honed	Bronze, ball indented	Bronze, ball indented
	Size		I D	1.062-1.063	1.3775-1.378	1.8152-1.8162
			Length	1.767	1-13/16	• 1.889-1.899
3rd gear bearing	Material					Nickel phosphor bronze
	Size		I D			1.6248-1.6255
			Length			1.839-1.841
Lubricant capacity				1-1/2 pints	2-3/4 pints	6 pints
Power take-off provision	Type of opening					6 bolt SAE
	Location					Left side of transmission
	Drive gear	Type				Helical
		No. of teeth				33 teeth
		Speed				425 RPM at 1000 eng RPM
Anti-friction bearings				See pages 165, 166		

11-28-53. Revised: 5-1-54, •-Data corrected.

TRUCK AUTOMATIC TRANSMISSION



AUTOMATIC TRANSMISSION - GENERAL

Make ----------Detroit Transmission (Hydra-Matic)
Identification ---------- Plate on right side of case
Orange background plate ----------Series 3100
Black background plate--Series 3600, 3700, 3800, 3900
Serial numbers ---------- CH 54 followed by the manufacturers system of identification
Vehicle Weights:
When replacing 3-speed transmission ----------
----------Add approximately 140 pounds
When replacing 4-speed transmission ----------
---------- Add approximately 70 pounds
Steering column selector lever ---------- All
Selector lever positions----------Five (left to right)
Neutral, 1 - 4 (four - speed range), 1 - 3 (three-speed range), 1 - 2 (two-speed range), R (reverse)
Oil type ----- Automatic Transmission Fluid - Type A
Oil capacity ---- Without oil cooler, 9 qts; 8-1/2 refill
With oil cooler, 10 qts; 9-1/2 refill
Oil level gauge and filler tube ----------
---------- On right side of transmission
Parking lock:
Type ---------- Pawl and gear on reverse ring gear and band on reverse sun gear
Operation ----------Applied by selector lever in reverse with engine off
Automatic shifts ---------- Throttle valve and governor oil pressures position spool type shift valves to control the hydraulic actuation of clutches and bands.

FLUID COUPLING

e Driving member ---------- ----------Sheet metal multivane, half torus, driven at or below engine speed through front planetary unit
Driven member ---------- Sheet metal multivane, half torus, splined to mainshaft and driven by fluid reaction from driving member
Flywheel ----------Heavy pressed steel with teeth cut in outer edge and hardened
11-28-53. Revised: 5-1-54, e-Data corrected.

PLANETARY GEAR UNITS

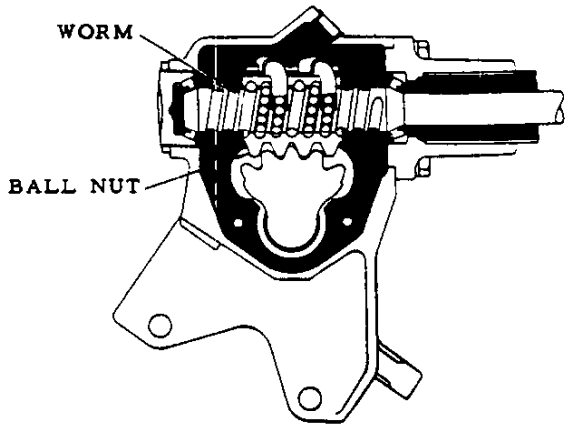
Gear ratios:	Series 3100	Series 36-37-38-3900
First	3.82:1	4.70:1
Second	2.63:1	3.03:1
Third	1.45:1	1.55:1
Fourth (Direct)	1:1	1:1
Reverse	4.30:1	6.11:1

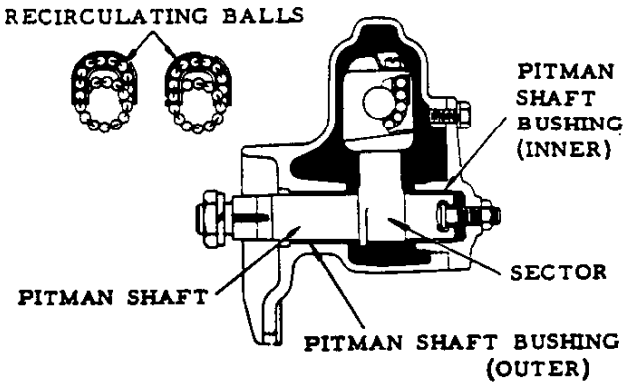
Planetary gear ratios:
Front planetary unit:
1st, 3rd, Reverse --------1.45:1-----1.55:1
2nd, 4th ----------1:1--------1:1
Rear planetary unit:
1st, 2nd ----------2.63:1-----3.03:1
3rd, 4th ----------1:1--------1:1
Rev. (with reverse unit)---2.97:1-----3.93:1
Multiple disc clutches:
Front unit
Driving plates ---------- 4 with bonded facings
Driven plates ----------4 steel
Piston material ---------- Die cast Aluminum
Rear unit
Driving plates ---------- 7 ----------8
---------- with bonded facings
Driven plates ---------- 7 --------- 8
Piston material ---------- Die cast Aluminum
Reverse clutch
Type ---------- Cone
Piston material ---------- Die cast Aluminum
Oil cooler ---------- On 3800 and 3900 series only
Type ---------- Plate
Location ---------- In transmission oil pan sump
Water circulation ---- From discharge side of water pump to transmission oil pan and return to rear of cylinder block.

ENGINE

Carburetor - 3100, 3600, 3800 Series
Make and model -------Rochester Products, 7005921
Choke type ----------Automatic

STEERING GEAR

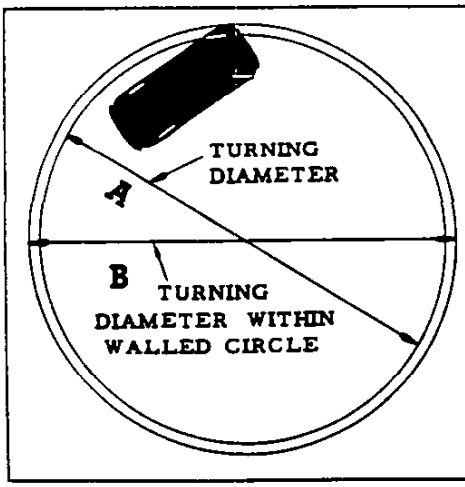




TYPE USED ON 3100, 3600, 3800, 4100, 4400 SERIES

ITEM			3100, 3600, 3800, 4100, 4400	3700 3900	4500, 5000, 6000
Type			Semi-reversible		
Ratio			26.24:1	19.8:1	27.76:1
Mounting			On frame side member		
Pitman shaft bushings	Material		Cast bronze		
	Outer	Inside dia	1-1/8		1-1/4
		Length	1-3/8	1	1-1/8
	Inner	Inside dia	1-1/8		
		Length	27/32		
Pitman shaft	Diameter	Outer end	1-1/8		1-1/4
		Inner end	1-1/8		
	Location		Below worm		
Pitman arm type			One-piece, drop forged steel		
Main shaft diameter			3/4		13/16
Column outside diameter			1-3/4		
Horn cable and contact			The cable lead is attached to a contact ring imbedded in rubber, inside upper end of steering column		
Steering wheel	Type		3-Spoke		
	Material		Hard rubber vulcanized to steel insert		
	Diameter		18		
Anti-friction bearings			See pages 165, 166		

TURNING DIAMETERS



Series	Wheelbase	A (feet)		B (feet)	
		MAX	MIN	MAX	MIN
3100	116	41	39-1/4	43-1/2	41-3/4
3600	125-1/4	50	47-1/2	52-1/2	50
3700		43-1/4	41-1/2	46-3/4	45
3800	137	54	51-1/4	56-1/2	53-3/4
3900		46-1/2	44-1/2	49	47
4100		49-3/4	47-1/2	52-1/4	50
4400	161	57-1/4	54-1/2	60-3/4	58
4500		57-1/4	54-1/2	60-3/4	58
5100	110	41-3/4	40	45-1/4	43-1/2
5400	134	49	47	52-1/2	50-1/2
5700	158	56-1/2	53-3/4	60	57-1/4
6100	137	49-3/4	47-1/2	53-1/4	51
6400	161	57-1/4	54-1/2	60-3/4	58
6500	179	62-1/2	59-3/4	66	63-1/4
6700	199	68-3/4	65-1/2	72-1/4	69
6800	212	72-3/4	69-1/4	76-1/4	72-3/4

Tire Size and Ply Rating	Base or RPO *	Models	Number of Tires	Tire and Rim Association Standards							Wheels		
				Loaded		Maximum Recommended		Tube Section	Valve	Flap	Rim Size	Offset	Attachment
				Radius Rolled	Rev Per Mile	Capacity	Press PSI						
6.00-16-6Ø	Base	3100	Five b	13.7	735	1065	36	6.00	15	None used	16x 4-1/2K	9/16	Six 7/16-20 bolts, 5-1/2 circle
6.50-16-6Ø	282			13.9	728	1215	36	6.50					
15-6	273			14.1	715	1500	40	7.00	150 SB90°	15L	15x 5.50F	0	
15-6	Base	3600 3700	Four									1/8	Eight 1/2-20 bolts, 6-1/2 circle
15-8	280					1670	48						
6.50-16-6 Ø	282	3600	Six dual	13.9	728	1215	36	6.50		16L	16x 5.50F	4-9/16	
7.00-17-6	277	3600 3700	Four	15.4	655	1575	45	7.00W	76 SB	17M	17x 5.0	7/16	
7.00-17-8	278					1775	55						
7.50-17-8	272			15.8	637	2100	60	7.50W					
7.00-17-6	Base	3800 ¥ 3900		15.4	655	1575	45	7.00W					
7.00-17-8	278					1775	55						
7.50-17-8	272			15.8	637	2100	60	7.50W					
7.50-17-10	329	3802			640	2395	75				17x 6.0		
7.00-18-8	295	3802-03-08 09-12, 3900	Six dual	16.0	630	1850	55	7.00W		18M	18x 5.0	4-9/16	
6.50-20-6	Base	4000		16.5	608	1700	50	6.50W	76-90° E-12	20K	20x 5.0	4-3/4	Five front and ten rear 5/8-18 bolts, 7-1/4 circle
7.00-20-8	300			17.1	590	2000	55	7.00W	76SB90°	20M			
7.00-20-10	296					2250	70						
7.50-20-8	304			17.7	571	2375	60	7.50W	177 SB90°		20x 6.0 Φ	5-3/8	
7.50-20-10	305					2700	75						
7.50-20-8	Base	5000 (s) 6100, 6400 6500 (s) 6700, 6800				2375	60						
7.50-20-10	305					2700	75						
8.25-20-10	343			18.4	551	2900	65	8.25W	77-90° C-20				
8.25-20-12	344					3150	75						
9.00-20-10	312	5000 (s) 61-64-6500 (s)		19.3	526	3450	65	9.00W	175 90°C-20	20N	20 x 6.5 H	5-5/8	

*-Base equipment includes tires of the same size and ply rating on front and rear wheels. Except for 9.00-20-10 pr tires, which are available for rear only, all tires shown for each series are available in any front and rear combination provided tires of a larger size or ply rating are not used on the front, and provided front, rear and spare wheels remain interchangeable.

b-Including spare tire. Ø-Passenger car type tires. All other tires shown are truck type.

¢-All models have a spare wheel as standard equipment except 3700, 3900.

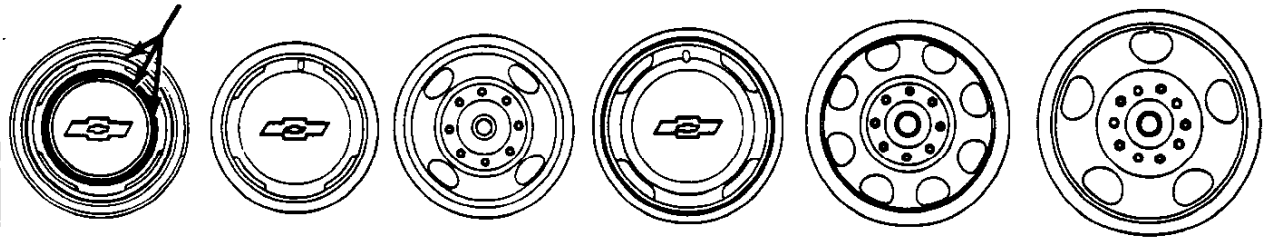
Φ-Used with 7.00-20 tires on front wheels when 7.50-20-8 or 10 ply tires are specified for rear wheels.

¥-Base tires for 3800 are 7.00-17-6pr front and 7.00-17-8pr rear.

H-20 x 6.5 rims are available as RPO 291, mandatory with 9.00-20 tires, optional with 8.25-20 tires.

WHEEL AND HUB CAP APPEARANCE

STRIPING COLOR
3 STRIPES
3106, 3116, RPO 390 ONLY



6.00-16 REG 3100

15 INCH 3600, 3700 REG 3100 RPO

6.50-16 3600 RPO DUAL

17 INCH 3800, 3900 REG 3600, 3700 RPO

18 INCH 3800, 3900 RPO DUAL

20 INCH REG 4000, 5000, 6000 Single or dual

11-28-53. Revised: 5-1-54, e-Tire manufacturing sources deleted.

LOAD CAPACITY CHART

GROSS VEHICLE WEIGHT FOR 1954 CHEVROLET TRUCKS AND SCHOOL BUSES

MODEL				NOMINAL RATING	GROSS VEHICLE WEIGHT	MINIMUM TIRES AND EQUIPMENT		
						TIRE SIZE AND PLY RATING		
TYPE	SERIES		WHEEL BASE			FRONT	REAR	EQUIPMENT
SEDAN DELIVERY	1508	D54	115		§4000	6.70-15-4	6.70-15-4	
					4100	6.70-15-6	6.70-15-6	
LIGHT DUTY	3100	H54	116	1/2 Ton	§4200	6.00-16-6	6.00-16-6	
					*4800	6.00-16-6	6.50-16-6	10-leaf rear spring
MEDIUM DUTY	3600	J54	125-1/4	3/4 Ton	§5400	15-6	15-6	
					5800	15-6	15-8	2-stage, 8-leaf rear spring
						7.00-17-6	7.00-17-8	
					*6900 e	6.50-16-6	6.50-16-6 Dual	
						7.00-17-6	7.50-17-8	
	3742	K54	125-1/4	3/4 Ton	§6200	15-6	15-6	
					6600	7.00-17-6	7.00-17-6	
						15-6	15-8	
					*7000	7.00-17-6	7.00-17-8	
	3800	L54	137	1 Ton	§6200	7.00-17-6	7.00-17-8	
					7000	7.00-17-6	7.50-17-8	
					*8800	7.00-18-8	7.00-18-8 Dual	2-stage, 8-leaf rear spring and auxiliary
	3942	M54	137	1 Ton	§6700	7.00-17-6	7.00-17-6	
					7100	7.00-17-6	7.00-17-8	Double acting rear shock absorbers
					7500	7.00-17-6	7.50-17-8	Above plus stabilizer
					*10000	7.00-18-8	7.00-18-8 Dual	Above plus 2-stage, 8-leaf rear spring and auxiliary
HEAVY DUTY	4100	N54	137	1-1/2 Ton	§10000	6.50-20-6	6.50-20-6 Dual	
					11000	6.50-20-6	7.00-20-8 Dual	
					12500	6.50-20-6	7.00-20-10 Dual	11-leaf rear spring & aux.; hydrovac; and on 4100, heavy duty frame
	4400	P54	161		*14000	7.00-20-8	7.50-20-8 Dual	Above plus 8-leaf front spring
	5100S	SS54	110	1-1/2 Ton Special	§ 14000 x	7.50-20-8	7.50-20-8 Dual	
	5400S	ST54	134		14000	7.50-20-8	7.50-20-10 Dual	
	5700S	SU54	158		*15000	7.50-20-8	8.25-20-10 Dual	
	6100S	SV54	137					
	6400S	SW54	161					
	6500S	SX54	179					
	5100	S54	110	2 Ton	§ 14000 x	7.50-20-8	7.50-20-8 Dual	
	5400	T54	134		14000	7.50-20-8	7.50-20-10 Dual	
	5700	U54	158		*16000	7.50-20-8	8.25-20-10 Dual	
	6100	V54	137					
	6400	W54	161					
	6500	X54	179					
SCHOOL BUS CHASSIS	3802 Plus RPO 329	L54	137	16 Pupils	*§7600	7.50-17-8	7.50-17-10	9-leaf rear spring
	4502	R54	161	30 Pupils	§10500	6.50-20-6	6.50-20-6 Dual	
				36 Pupils	*12000	6.50-20-6	7.00-20-8 Dual	
	6702	Y54	199	42 Pupils	§13500	7.50-20-8	7.50-20-8 Dual	
				48 Pupils	*16000	7.50-20-8	8.25-20-10 Dual	
	6802	Z54	212	48 Pupils	§13500	7.50-20-8	7.50-20-8 Dual	
				54 Pupils	*16000	7.50-20-8	8.25-20-10 Dual	

*-A plate is supplied with each vehicle showing chassis number and maximum Gross Vehicle Weight (GVW). The maximum GVW rating includes the truck chassis with lubricants, water and full tank or tanks of fuel, plus the weight of the cab or driver's compartment, body, and special chassis and body equipment, and payload. These GVW ratings are reduced per above table when tires and/or equipment of lesser capacity are used. *Series D-54 plate shows no GVW.*
§-Base GVW, tires shown included in base price.
Extra ply rating and/or oversize tires and equipment are available with no increase in gross vehicle weight rating.

State of Michigan
County of Oakland

On this 12th day of April, 1954, personally appeared before me, R. S. Plexico, known to me as such who makes oath that the data on this sheet are true as represented.

Byron L. Holmes
My commission expires July 26, 1955
Acting in Wayne County Michigan

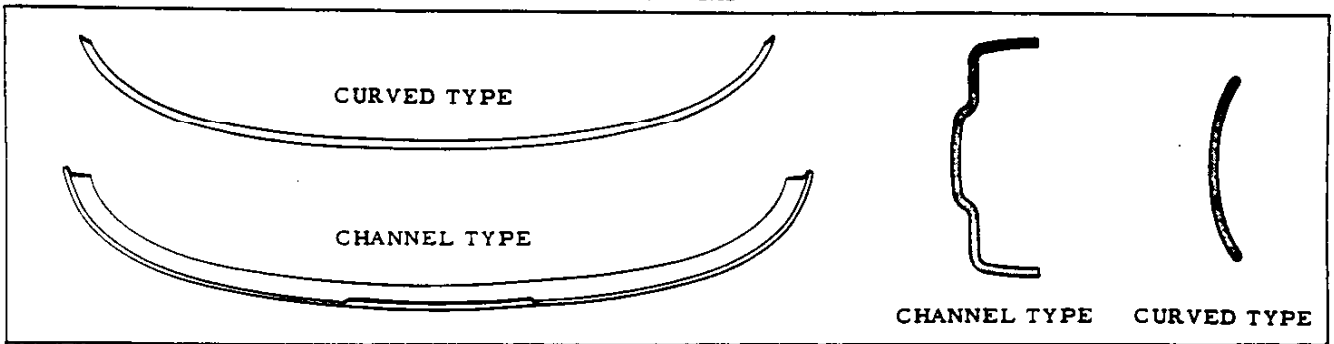
April 12, 1954

The data on this sheet are true as represented.
CHEVROLET - CENTRAL OFFICE
ENGINEERING DEPARTMENT
DIVISION OF GENERAL MOTORS CORPORATION

R. D. Plexico
R. S. Plexico
Asst. Chief Engineer
Truck Chassis

11-28-53. Revised: 5-1-54. e-Max G. V. W. increased for 6.50-16-6 tires. x-Data corrected.

BUMPERS



ITEM	3100, 3600	3105-06-07-16	3800	3805-3807	4000, 5000, 6000 Reg 3700, 3900 RPO
Location	Front	Rear	Front	Rear	Front
Type	Curved				Channel
Overall width	69-7/8				75-1/16
Overall height	5-7/32				6-3/4
Gauge	.133-.147		.231-.245		.217-.245
Material	Spring steel				HR Steel
Finish	Painted				

LIGHTS AND HORN

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

HEADLIGHTS

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

PARKING LIGHTS

Location ---------- Between center and lower grill bars at outer corners of radiator grille

TAIL AND STOP LIGHTS

Make and type ---------- Guide, combination
Number and location:
Two-unit bodies ---------- One, attached to rear end of frame left side member. Canopy Express and Suburban Carryall with tail gate -- One, centered on tail gate (linkage automatically adjusts light for tail gate position). Panels and Suburban Carryall with Panel type rear doors. Panels ---------- One, on left rear door
RPO 249:
Panel, Canopy Express, and Suburban Carryall ---- Two extra combination tail and stop lights, one at rear of each body side panel.
Rear license plate ----------Illuminated through window in combination tail and stop light.
Dome light ----------In all except cowl models

LIGHTING SWITCHES

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

PROTECTIVE DEVICES

Circuit breaker: ---------- Type Bi-metal thermal element in main lighting switch
Operation ---------- Closed 30 amps; open 42 amps
Fuses (in series with circuit breaker, in tail and stop light circuits); Number and type - 2 and 1 spare; 20 amp, AGC glass cartridge
Location ---------- In fuse box on left front of dash

HORN

Make and type ----------Delco-Remy; ---------- vibrator, low-note
Location ---------- Bolted to radiator support
Current drain ---------- 19-21 amperes

BULBS

USED IN		QUANTITY	TRADE NO.	POWER		USED IN		QUANTITY	TRADE NO.	POWER
Parking lights		2	63	3cp	Tail and stop lights	3107, 3116 and 3807	Tail	1	63	3cp
							Stop	1	1129	21cp
Instrument cluster		4	55	2cp		All others RPO 249	Tail	1	1154*	3cp
Beam indicator		1	51	1cp			Stop			21cp
Ignition lock		1	51	1cp			Tail	2		3cp
Dome light		1	87	15cp			Stop			21cp
Head lights	Upper beam	2	193195¢	45W						
	Lower beam			35W						

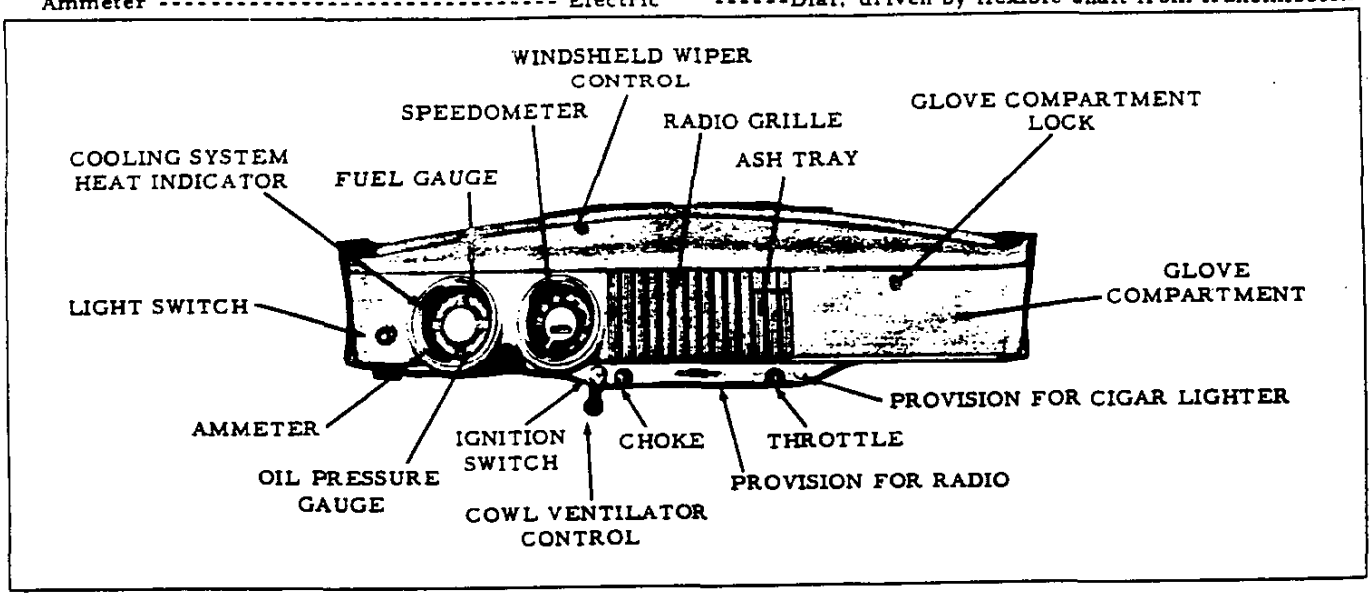
*-Single bulb, double filament

¢-GM part number

11-28-53

INSTRUMENTS

Make ---------- AC
Type:
Fuel gauge ---------- Electric
Ammeter ---------- Electric
Oil gauge ---------- Pressure
Cooling system heat indicator ---------- Pressure
Speedometer ----------
------Dial, driven by flexible shaft from transmission



SPEEDOMETER GEARS *

ITEM		3100		3600				3700			3800, 3900			4000	5000, 6000
3-speed trans		Regular		Reg			Reg¢	Reg							
3-speed H. D.		RPO 316		RPO 316				RPO 316				RPO 316			
4-speed trans		RPO 318			RPO 318				RPO 318					Regular	
4-speed Auto. trans			RPO 314			RPO 314				RPO 314			RPO 314		
Rear axle		Regular		Regular		RPO 208 ●		Regular			Regular			RPO 204	Reg RPO 201-202¶
Teeth	Drive	7	8	6	4	5	6	4	5		4	6	5	4	
	Driven	20	23	19	13 15	16	19	15	18		13	19	17	13 15	14
Pitch	Drive	30	33	30	22	26	30	22	26		22	30	26	22	
	Driven				22.4			22.4			22.4			22.4	

*-For base tire equipment only
¶-Speedometer adapter mounted at back of speedometer and controlled by two-speed axle shift lever has ratios of 1:1 and 1:750, used in combination with regular speedometer gears.
¢-Speedometer adapter 1580273 used in combination with regular speedometer gears, when RPO 208 is specified. ●

SPEEDOMETER GEAR ADAPTERS

The following speedometer gear adapters are available through the Service Department for correction of speedometer and odometer errors that sometimes occur when combinations or tires, transmission, and rear axle, other than standard, are specified.

Service Package Number	1565812	1565814	1580273
Gear ratio	17:16	16:17	15:17

TOOLS

ITEM		3100	3600, 3700	3800, 3900	4000, 5000, 6000
Jack	Capacity (pounds)	2500		3000	8250 ●
	Raised height	15-1/8		16	18-1/8
	Lowered height	6-1/2		7-1/4	9
Jack handle		With RPO 273	All		Use tire changing iron
Tire changing iron					
Wrench					

11-28-53. Revised: 5-1-54, ●-Data corrected.

ACCESSORIES

Definition: Items made available at extra Cost through the Parts and Accessories Department and installed by the customer or his dealer.

ITEM	DESCRIPTION	MODELS
Antenna	Radio, rod type (cowl mounting)	All
Arm rest	Brown, for RH or LH door	All cabs or single unit bodies except 3106-16
Cap	Gas tank filler, locking	All
Caps	Hub, stainless steel, 16-inch	3100 only
Clock	Handwind -- with instrument panel housing	All except flat face cowl chassis models
Condenser	Radiator overflow	3100, 3600, 3800, 4000, 6000
Cover seat	Saran plastic, multi-color plaid Woven paper matting, vertical stripes	All cab models except 5000
Deflectors	Rain (Ventshades)	All
Filter	Gasoline	3100, 3600, 3800, 4000, 6000
Filter	Water	All except 5000
Flaps	Mud	All platforms & stakes
Frame	License plate	All
Guard	Bumper for curved type face bar - (painted or plated)	3100, 3600
	Bumper for channel type face bar - (painted)	4000, 5000, 6000
	Grille, brush type - Painted	
Heater	With defroster: Outside air	All
	With defroster: Recirculating type	
Horn	High note (to make dual horns)	
Injector	Static eliminator, tire	
	Powder for	
Lamp	Fog (dual), Guide sealed beam	
	Spot: Unity, with bracket mount	
	Spot: Portable	All with cigarette lighter
	Glove compartment	All
	Tail and stop, universal, RH	All except 3700, 3900
	Underhood	All except 3700, 3900, 5000
	Direction signal: Rear LH and RH, single lens Front LH and RH, single lens	All
Lighter	Cigarette	
Mat	Floor, Rectangular; Choice of five colors	
Mirror	Rear view, outside, short arm, door mounted	
	Rear view, outside, 5" round, extendible arm	
	Rear view, outside, 5-1/2 x 7-1/2, extendible arm	
	Rear view, outside, non-glare, with bracket mount	
Ornament	Hood	All except 5000
Radio	Delco receiving set plus antenna	All except flat face cowl chassis models
Reflector	Reflex (4-inch) rod	All
Shaver	Electric, AC-DC	All with cigarette lighter
Step Unit	Rear	All platform & stake models
Sunshade	Right hand	All (regular equipment on 3106-16)
Tool Kit	Bag and tools	All
Visor	Sun, outside mounted	All cabs
Washer	Windshield, foot-operated	All except 3700 & 3900

REGULAR PRODUCTION OPTIONS

RPO	ITEM			MODELS
200	Shock absorbers	Direct double-acting	Front	Series 4000, 5000, 6000
			Rear	•Series 3800, 4100, 5000, 6700, 6800
		•Cam & lever dbl-acting	Rear	Series 3900
201	Two speed rear axle (8.86-6.70 ratio)			Series 5000, 6000
202	Two speed rear axle (8.10-6.13 ratio)			
203	Heavy duty front axle			Series 4100, 4400
204	Rear axle, 5.43 to 1 ratio			Series 4000
207	Long running boards and rear fenders			Models 3602-03-12; 3802-03-12
208	Rear axle, 5.14 to 1 ratio			Series 3600
210	Rear view mirror	Short, LH (bracket only)		All Cab Chassis, except model 3103
		Short, RH (mirror and bracket)		All Cab Chassis, Pickups, and Single Unitbody models
		Long, LH (bracket only)		Models 3103-3104; 3604, 3804
		Long, RH (mirror and bracket)		All cab models
211	Rear shock absorber shields			Series 3000, except 3900
212	Brake Booster			Series 4000

Continued

11-28-53. Revised: 5-1-54, •-Data corrected.

REGULAR PRODUCTION OPTIONS —Continued

RPO	ITEM		MODELS
214	Prop shaft brake		Series 3802-12; 3900
216	Oil bath air cleaner	1 pint capacity	Series 3000, 4100, 4400
		2 pint capacity	Series 3100, 3600, 3800, 4000
217	Engine positive ventilation		All except 3700, 3900
218	Rear bumper		Models 3102-03-04-12; 3602-03-04-12; 3804
225	Heavy-duty engine		Series 4000, 5000, 6000
227	Heavy-duty clutch		Series 3100, 3600, 3800
230	Platform body		Model 3608
233	Heavy-duty frame		Series 4100
234	Solid color combinations (11)		All except Series 3700, 3900, (See page 128)
237	Oil filter		All except Series 3700, 3900
241	Engine governor		Series 31-36-3800; 41-4400; 5000; 61-64-6500
249	Dual tail and stop lights		All single unit body models
253	Heavy-duty front springs		Series 4100, 4400
x 255	Front springs (double wrap eye)		Models 4502, 6702, 6802
256	Heavy-duty radiator		Series 3600, 3800, 4000
263	Auxiliary seat		All Panels and Canopy Express Models
264	Unison seat		All models with Cab
267	Auxiliary rear springs		Series 3800, 3900, 4100, 4400
268	Two stage rear springs		Series 4100-4400; 5000; 61-64-6500
281	Vacuum reserve tank		Series 4000, 5000, 6000
291	20 x 6.5 wheels		Series 5000, 6000
x 306	Speedometer fittings		Series 3600, 3700, 3800, 3900; 4-5-6000
x 307	Speedometer fittings		Series 3000
314	Automatic transmission		Series 3000
316	Heavy-duty three-speed transmission		Series 3000
318	Four-speed transmission		Series 3100, 3600, 3700
320	Electric windshield wipers		All Cab Chassis, Pickups and Single Unit Body Models
326	Heavy-duty generator	Rating 40 amp	All models
		Rating 45 amp	Series 3000
		Rating 50 amp	All Models
		Rating 55 amp normal & low cut-in	All except 3700, 3900, 5000
327	Solenoid starter		Models 3802,4102
329	School bus chassis (Junior)		Model 3802
340	Fuel and vacuum pump booster		All models
341	Side mounted wheel carrier		Models 3104, 3604, 3804
367	Front bumper		Series 3700, 3900
384	Spare wheel carrier		Series 3700, 3900
387	Rear corner windows		All Cab models
♦ 390	Deluxe equipment		Series 4000, 5000, 6000 Cab Models & 3106-16 Carryall
z 393	Chrome equipment		Series 3100, 3600, 3800
395	Door lock (LH door)		All cab and single unit body models
399	Tinted body glass		
401	Stake racks		All platform models
402	Identification plate ("S" Series)		Series 5000, 6100, 6400, 6500
x 430	Deluxe equipment		Models 3103-04-05; 3603-04-08; 3805
x 431	Deluxe equipment		Models 3803-04-08
x 438	Two-tone color combinations		Models 3103-04; 3603-04-08; 3803-04-08
x 439	Two-tone color combinations		Models 3105, 3805
272	Tires 7.50-17-8pr		Series 3600, 3700, 3800, 3900, except 3608
273	Tires, 15-6pr		Series 3100 (3600, 3700 spare)
277	Tires, 7.00-17-6pr		Series 3600, 3700 (3900 spare)
278	Tires, 7.00-17-8pr		Series 3600, 3700, 3800, 3900
279	Tires, 7.50-17-10pr		Model 3802, spare
280	Tires, 15-8 pr		Model 3600, 3700
282	Tires, 6.50-16-6pr		Series 3100, 3600 except model 3604
295	Tires, 7.00-18-8pr		Series 3800, 3900 except models 3804-05-07
296	Tires, 7.00-20-10pr		Series 4000
300	Tires, 7.00-20-8pr		Series 4000
304	Tires, 7.50-20-8pr		Series 4000 (5000, 6000, spare)
305	Tires 7.50-20-10pr		Series 4000, 5000, 6000
312	Tires, 9.00-20-10pr		Series 5000, 6100, 6400, 6500 except 5408, 6108, 6408
343	Tires, 8.25-20-10pr		Series 5000, 6000
344	Tires, 8.25-20-12pr		Series 5000, 6000

11-28-53. Revised: 5-1-54. x-RPO added. ♦-RPO Revised.

ANTI-FRICTION BEARINGS

BEARING FUNCTION		GM PART NUMBER	TYPE +	1500 2100 2400	3100	3600	3700	3800	3900	4100 4400	4500	5100	54-5700 61-6400	6500 6700 6800
Front Wheel	Inner	909052	Cup-Cone	2	2									
		909046	Cup-Cone			2	2	2	2	2				
		7450335	• Taper R								2	2	2	2
	Outer	909001	Cup-Cone	2	2									
		909045	Cup-Cone			2	2	2	2	2				
		7450336	• Taper R								2	2	2	2
King Pin Thrust		373476	S R Ball	2	2									
Rear axle	Pinion front	954780	D R Ball	1	1									
		442093	Taper R			1	1	1	1					
		954237	D R Ball							1	1	1	1	1
		455270	Taper R										* - One, RPO	
	Pinion rear	125630	Roller	1	1									
		189436	Roller			1	1	1	1					
		144553	Roller							1	1	1	1	1
		454021	Taper R										* - One, RPO	
	Differential	127861	Barrel R	2										
		187434	Barrel R		2									
		188930	Barrel R			2	2	2	2					
		148399	Barrel R							2	2			
		7450326	Barrel R									2	2	2
		443893	Taper R										* - Two, RPO	
Double reduction pinion shaft	Left	443922	Taper R										* - One, RPO	
	Right	443917	Taper R										* - One, RPO	
Rear wheel	Inner	188930	Barrel R			2	2	2	2					
		144527	Barrel R							2	2			
		7450320	Barrel R									2	2	2
	Outer	111119	Roller	2										
		111121	Roller		2									
		188932	Barrel R			2	2	2	2					
		144525	Barrel R							2	2			
		7450323	Barrel R									2	2	2
U-joint trunnion		3708036	Needle			12	12	12	12	12	12	8	12	16
Prop shaft support		954257	S R Ball			1	1	1	1	1	1		1	2
Water pump		954252	One double row ball bearing, permanently lubricated and sealed.											
Generator, front		954378	S R Ball	1	1	1	1	1	1	1	1	1	1	1
Clutch release		909422	Special permanently lubricated and sealed single row ball bearing											
Transmission	Clutch gear	954388	S R Ball	1	1	1	1							
		954358	S R Ball		¶	¶	¶	1	1	1	1	1	1	1
	Mainshaft pilot Fr	435844	Needle	1	1	1	1							
	Mainshaft pilot Rr	7450247	Needle	1	1	1	1							
		7450010	Needle		¶	¶	¶	1	1	1	1	1	1	1
	Mainshaft, rear	954168	S R Ball	1	1	1	1							
		954869 •	S R Ball		¶	¶	¶	1	1	1	1	1	1	1
	Countershaft, front	435847	Needle	1	1	1	1							
		142260	Roller		¶	¶	¶	1	1	1	1	1	1	1
	Countershaft, rear	435847	Needle	1	1	1	1							
		954164	S R Ball		¶	¶	¶	1	1	1	1	1	1	1
Automatic transmission RPO 313	Mainshaft	903205	S R Ball	1										
	Planet pinions	3689731	Needle	6										
Hydra-matic transmission RPO 314	Output shaft	903006	S R Ball		1	1	1	1	1					
	Planet pinions	440483	Needle		9	9	9	9	9					
	Rear band lever	440483	Needle		1	1	1	1	1					
3-Speed Heavy duty transmission RPOs 316 or 330	Clutch gear	954127	S R Ball		1	1	1	1	1					
	Mainshaft pilot	7450010	Needle		1	1	1	1	1					
	Mainshaft rear	954390	S R Ball		1	1	1	1	1					
		• 954829		1										

Continued

11-28-53. Revised: 5-1-54. •-Data corrected.

ANTI-FRICTION BEARINGS—Continued

BEARING FUNCTION		GM PART NUMBER	TYPE ÷	1500 2100 2400	3100	3600	3700	3800	3900	4100 4400	4500	5100	54-5700 61-6400	6500 6700 6800
H	Countershaft front & rear	3709328	Needle		4	4	4	4	4					
Steering gear	• Worm thrust	261866	Taper R	2										
		179291	Barrel R		2	2	2	2	2	2				
		270266	Barrel R								2	2	2	2
	Sector roller	5662119	DR Ball	1										
		266800			60 recirculating balls									
		266800									100 recirculating balls			
	Pitman shaft	451974	Needle	1										
		148418	Needle	1										
	steering col upper	270255	One special insulated ball bearing (23, 1/8 dia balls)											
Total per vehicle				27	25	38	38	37	37	37	37	32	37	42

*-2-speed axle

¶-One used, RPO 4-speed transmission

H -3-speed heavy duty transmission RPO 316

÷ -Quantity shown for needle type is number of sets of needles

INDEX

12-18-53. Revised: 5-1-54. •-Corvette Specifications added.