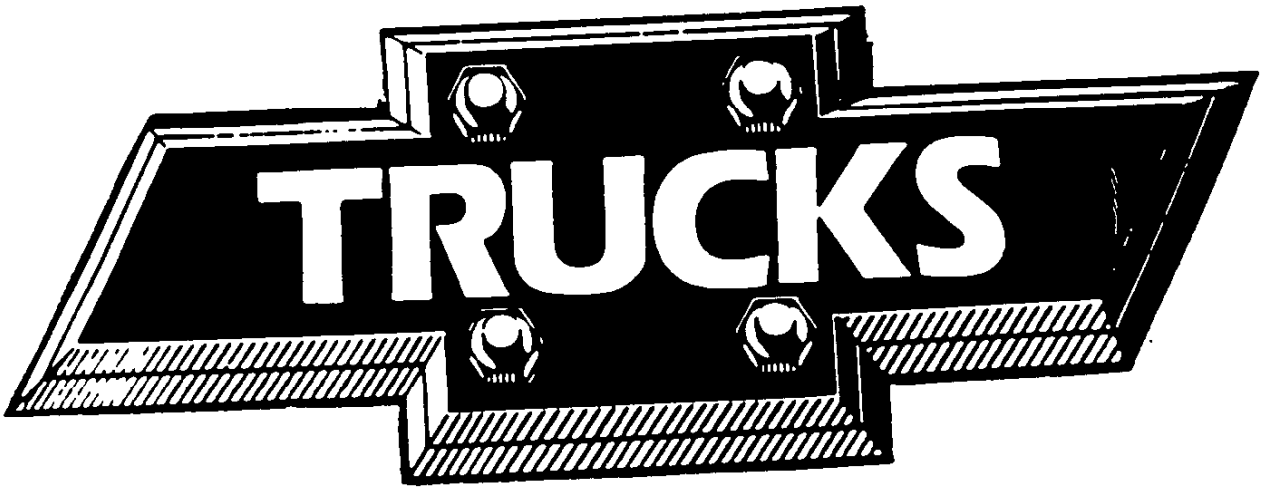
CHEVROLET



1953

CHEVROLET
1953
SPECIFICATIONS

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.

CHEVROLET—CENTRAL OFFICE
DIVISION OF GENERAL MOTORS CORPORATION
DETROIT 2, MICHIGAN

TECHNICAL SERVICE BULLETIN

Service and Mechanical Department

SUBJECT: 1953 PASSENGER CAR AND TRUCK TRANSMISSION SERIAL NUMBER IDENTIFICATION

BULLETIN No. TSB #276 (Refer to TSB #249)

SECTION XV

TO: ALL CHEVROLET SERVICE PERSONNEL

July 7, 1953

Effective July 1, 1953, at all Transmission Plants the method of numbering 1953 transmission assemblies will change. Transmission numbers after that date will consist of first a prefix letter indicating the source followed by three or four numerals indicating the month and day of manufacture.

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

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.

Service and Mechanical Department

HMP:M:if

DR - 147

CHEVROLET—CENTRAL OFFICE
DIVISION OF GENERAL MOTORS CORPORATION
DETROIT 2, MICHIGAN

TECHNICAL SERVICE BULLETIN

Service and Mechanical Department

SUBJECT: 1953 PASSENGER CAR AND TRUCK - BODY, CHASSIS, ENGINE, TRANSMISSION AND REAR AXLE SERIAL NUMBER IDENTIFICATION

BULLETIN No. TSB #249

SECTION XV

TO: ALL CHEVROLET SERVICE PERSONNEL

January 2, 1953

PASSENGER CAR AND TRUCK SERIAL NUMBERS - 1953

PASSENGER CAR

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

* 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"
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. 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 # B53F 001025

(B)	(53)	(F)	(001025)
2100 Series Passenger	Year 1953	Flint Assy. Plant	25th Passenger Car built at Flint

Serial # V53K 001083

(V)	(53)	(K)	(001083)
6100 Series Truck	Year 1953	Kansas City Assy. Plt.	83rd Truck built at Kansas City

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

The truck serial number is located on the left front body hinge pillar, except on models with cowl less 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 - 1953

BODY STYLE	SERIES			FISHER BODY STYLE #		
	1500	2100	2400	1500	2100	2400
2-Door Sedan	1502	2102	2402	53-1211	53-1011W	53-1011WI
4-Door Sedan	1503	2103	2403	53-1269	53-1069W	53-1069W
Business Coupe	1504			53-1227B		
Station Wagon (6 Passenger)	1509	2109		53-1262F	53-1062F	
Station Wagon (8 Passenger)		2119			53-1062	
Club Coupe	1524	2124		53-1227	53-1027	
Convertible		2134	2434	53-1067TX		53-1067I
Sport Coupe (Hard Top)		2154	2454		53-1037	53-1037I

SEDAN DELIVERY BODY STYLE DESIGNATIONS - 1953

Sedan Delivery 1508 Series 53-1271 Body Style #.

FISHER BODY PREFIXES

Following are the prefixes to the 1953 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.

F - Flint
T - Tarrytown
S - St. Louis (also Bel Air)
O - Oakland
J - Janesville (also Bel Air)
VN - Los Angeles
N - Norwood
K - Kansas City
M - Baltimore
AG - Atlanta
L - Lansing (Cabriolet & Bel Air)
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 PREFIX AND NUMBERS

PASSENGER

SERIES	DESCRIPTION	MODEL YEAR	***TYPE	FLINT	TONAWANDA
*15-21-2400	Regular "235"	L	A	A	M
*15-21-2400	Regular "235" with 10-3/4 Disc.	L	A	C	P
2100-2400	R.P.O. "235" with Powerglide.	L	A		Q
15-21-2400	Regular "235" with Power Steering.	L	A	E	R
2100-2400	R.P.O. "235" with Powerglide and Power Steering.	L	A		S
*15-21-2400	Regular "235" Aluminum Timing - Gears R.P.O.	L	A	F	

*Except 1508

TRUCK

1508	"216"	L	A	G	T
1508	"216" with 10-3/4 Disc.	L	A	J	V
3100	"216"	L	B	A	M
*36-3800 (3100 R.P.O.)	"216" with 10-3/4 Disc.	L	C	C	P
3802	"216" Positive Crankcase Vent.	L	C	H	U
4000	"216"	L	C	A	M
3742-3942	"235"	L	C	F	S
4000	"216" R.P.O. Hydrovac & Positive Crankcase Vent.	L	C	D	Q
5000	"235" C.O.E.	L	D	A	M
6000	"235" Truck	L	E	A	M

**(4000 R.P.O.)

* "A" will precede prefix if motor is used on 3800 Series, and "B" if R.P.O. on 3100 Series.

** An "A" will precede prefix if "235" engine is used on 4000 Series (R.P.O.).

*** Refers to the type engine used in the chassis of the various series for

All engines are to be numbered at each source in sequence starting with 1001.

EXAMPLE:

The 50th 3100 series regular 216 cu. in. engine built at Flint would bear the serial number LBA-1050 - if built at Tonawanda LBM-1050.

TRANSMISSION SERIAL PREFIX AND NUMBERS

SERIES	PRODUCTION	MODEL YEAR	SOURCE DESIGNATION; SAGINAW	MUNCIE	TOLEDO	CLEVELAND
1500-2100-2400	Regular	L	A	B	C	
1500-2100-2400	R.P.O.**	L	G	H	J	
2100-2400	R.P.O.*** (Powerglide Trans.)	L				T
3100	3-Speed	L	N	O	P	
3600-3742	3-Speed	L	Q	R	S	
3100-3600-3742	R.P.O. 4-Speed	W	K	L	M	
3800-3942	4-Speed	W	D	E	F	
4000-6000 R.P.O. 3802-12 3900	4-Speed	W	N	O	P	
5000	4-Speed	W	Q	R	S	

* Correct ratio speedometer gears are furnished in transmission to accommodate rear axle ratio listed.

NOTE: Speedometer gears are furnished in all truck transmissions to accommodate the rear axle ratio and tire sizes. Speedometer adapters are furnished where necessary.

** Roller bearing countershaft gear. (Taxicab option).

*** On Powerglide Transmissions a letter and numeral following the serial number indicates date transmission was built ("A" represents January, B - February, etc. 1 represents the 1st day of the month, 2 - second day, etc.) "D" and "N" designating day or night shift is shown directly after day of month.

Each type of transmission, that is, those used on 1500, 2100 and 2400 (3-Speed Passenger), 2100 and 2400 (Powerglide), 3100 and 3600 (3-speed commercial) and 3800-4000-5000 and 6000 series plus 3100-3600 and 3700 R.P.O. (4-speed) are numbered in sequence starting with 1001 at each source.

EXAMPLE: LA-1010 would indicate the tenth 1953 standard 3-speed passenger car transmission built at the Saginaw plant.

REAR AXLE SERIAL PREFIX AND NUMBERS

SERIES	GEAR RATIO	SOURCE DESIGNATION: MODEL YEAR	GEAR & AXLE	BUFFALO
1500-2100-2400 except 1508	3.70:1	L	L	M
2100	R.P.O. (Powerglide Transmission 3.55:1)	L	S	T
1508	4.11:1	L	A	B
3100	4.11:1	L	U	V
3600	4.57:1	L	G	H
3742 3600 R.P.O.	5.14:1	L	Q	R
3800	5.14:1	W	J	K
3800 R.P.O.*	5.14:1	W	Q	R
3942	5.14:1	W	C	D
3942 R.P.O.**	5.14:1	W	A	B
4000	6.17:1	W	L	M
4000	R.P.O. 5.43:1	W	E	F
5000-6000	6.17:1	W	G	H
5000-6000	2-Speed Hypoid R.P.O. 6.13:1 and 8.10:1	W	N	P

* Dual wheels R.P.O. equipment on 3802-3-8-12.

** Dual wheels R.P.O. equipment on 3942.

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 built at Gear & Axle on April 9th is numbered WE-409. The "4" designates April and the "09" designates the 9th day. If built at Buffalo, it would read WF-409. If made on October 12th, it would read WF-1012.

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

H. M. Page.

HMP:M:if
DR-128

Service and Mechanical Department

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; 4.11 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; 9-1/8 dia; 71.86 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 368 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Torque tube
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front and rear
FRAME ---------- Ladder type; channel side rails; 5-3/4 x 2-1/4 x 9/64; 2.46 cu. in. section modulus; 5 cross members
FUEL TANK ---------- Inside of frame on right side; 16 gallon capacity
GENERATOR ---------- 45 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 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; steering column-mounted gearshift control
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
CLUTCH, HEAVY DUTY: Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity	*	227 ●
COLORS, VEHICLE	*	234
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
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800 RPM	*	241
OIL FILTER: AC make;		
1 quart capacity	*	237
2 quart capacity	10F	237
SHOCK ABSORBER SHIELDS, REAR	*	211
SPRINGS, REAR: Semi-elliptic; 9-leaf; 1730 lb (ea) capacity at ground	14R	254
TIRES, MAXIMUM: Front, rear, and spare; 15-6 pr; 1500 lb (ea) capacity	50F, 72R	273
TRANSMISSION, 4-SPEED: Power take-off opening on left side	53F, 22R	318
VACUUM BOOSTER AND FUEL PUMP	*	340

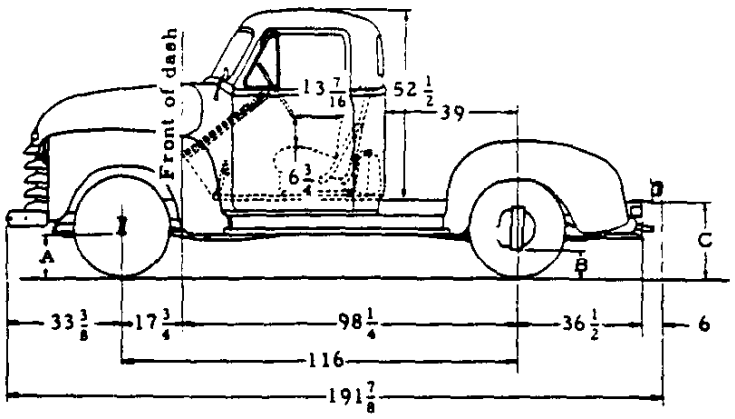
* - Weight is less than 10 pounds

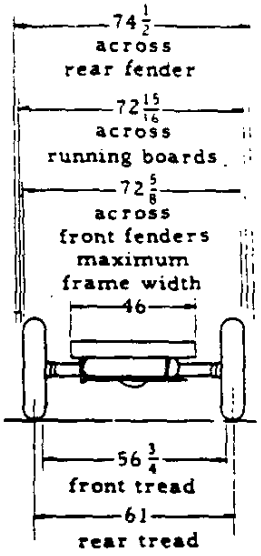
4-1-53. Revised: 7-1-53, ● - Clutch capacity increased.

CHASSIS AND BODY DIMENSIONS

Model 3103 Cab Chassis

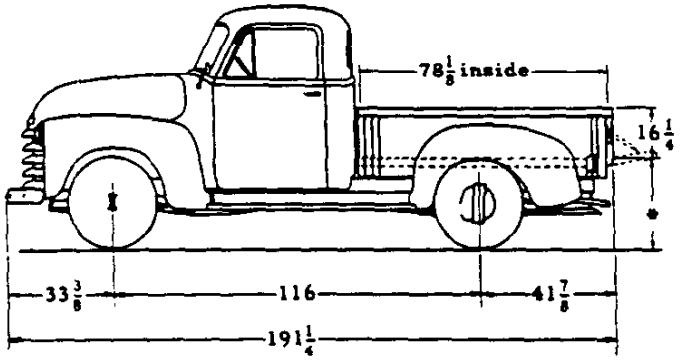
Seat in rear position
Adjustment $3\frac{3}{8}$

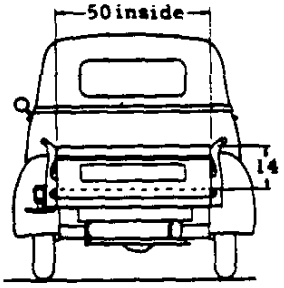




Equipment	Height Without Body and Payload		
	A	B	C
Standard	8-1/8	8	25-3/4
Minimum for Max GVW	8-1/8	8-3/8	26

Model 3104 Pickup Truck





Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	25-3/4	29-3/4	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	24	30-1/4	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	
3103	1775	1080	2855	1845	1150	2995	1800	11%	89%	48
								6%	94%	60
								0%	100%	72
3104	1775	1350	3125	1845	1420	3265	1500	0%	100%	78

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 lb capacity
AXLE, REAR --- Semi-floating type; 3300 lb capacity; Hypoid gears; 4.11 ratio
BATTERY ---------- 15 plate; 100 amp hr capacity
BODY
  CAB CHASSIS ---------- None
  PICKUP TRUCK ----- 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
BUMPER, FRONT ---------- Curved, spring type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH ---------- Diaphragm spring; single disc type; 9-1/8 dia; 71.86 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 368 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Torque tube
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
  GROSS HP ---------- 92 @ 3400 RPM
  GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front and rear
FRAME ---------- Ladder type; channel side rails; 5-3/4 x 2-1/4 x 9/64; 2.46 cu. in. section modulus; 5 cross members
FUEL TANK ---------- Back of seat in cab; 17-1/2 gal capacity
GENERATOR ---------- 45 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 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; one 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 6
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

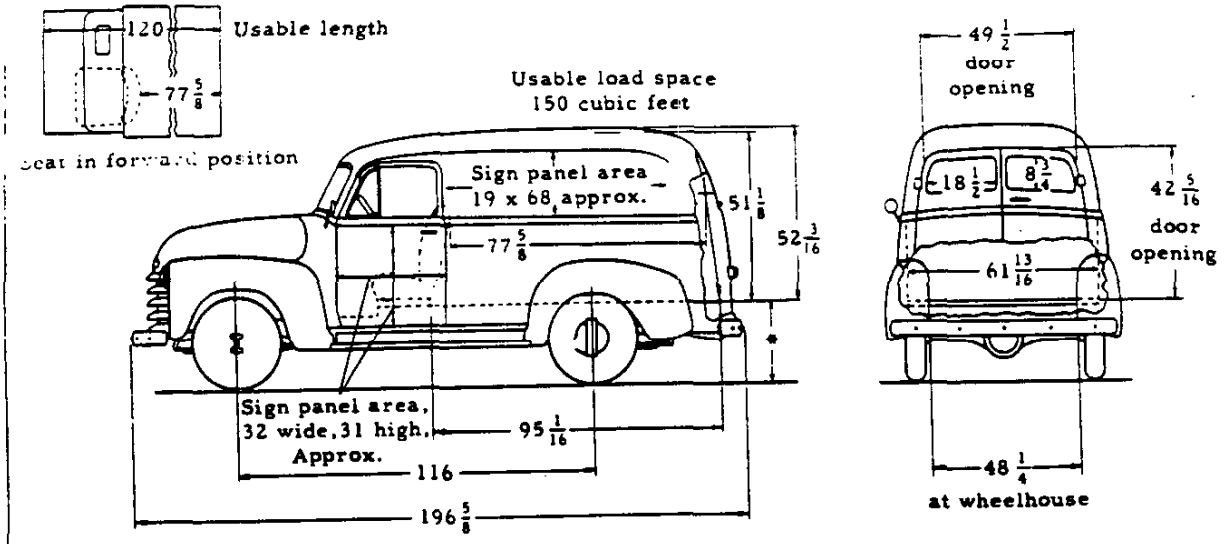
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
BUMPER EQUIPMENT, REAR	30R	218
CLUTCH, HEAVY DUTY: Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area;		
220 ft lb capacity	*	227 ●
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB: Clear or tinted	*	387
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
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800 RPM	*	241
MIRROR, REAR VIEW:		
RH, long or short; LH, long	*	210
OIL FILTER: AC make;		
1 quart capacity	*	237
2 quart capacity	10F	237
SHOCK ABSORBER SHIELDS, REAR	*	211
SIDE DOOR KEY LOCK, LH	*	395
SPRINGS, REAR: Semi-elliptic; 9-leaf;		
1730 lb (ea) capacity at ground	14R	254
TIRES, MAXIMUM:		
Front, rear, and spare; 15-6 pr;		
1500 lb (ea) capacity	50F, 72R	273
TRANSMISSION, 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
WHEEL CARRIER LOCK (RPO 341 only)	*	396

* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53, ● - Clutch capacity increased.

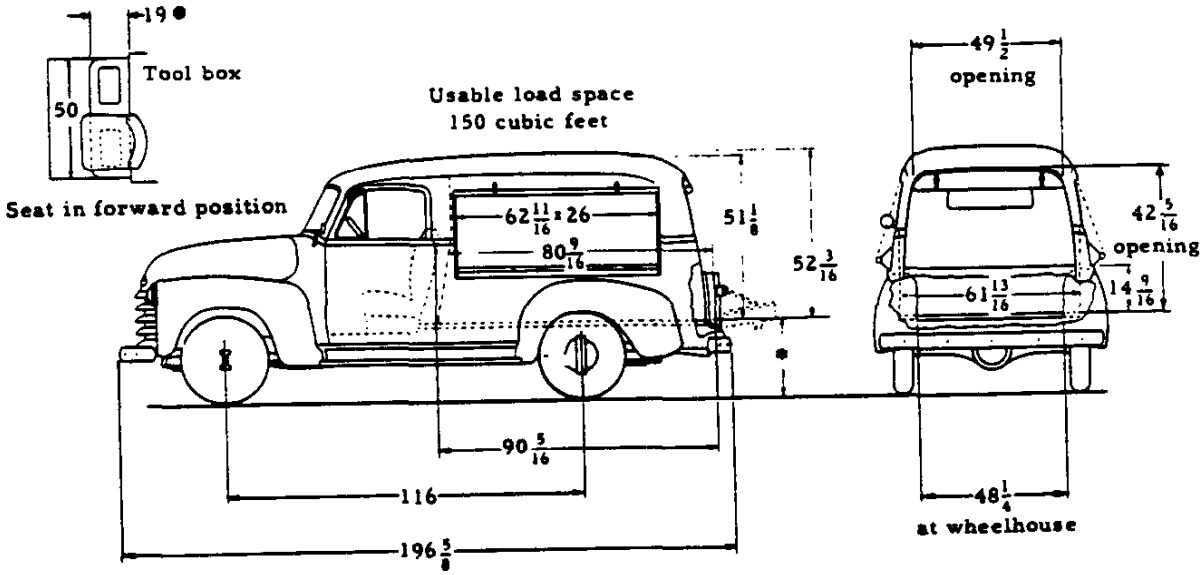
CHASSIS AND BODY DIMENSIONS

Model 3105 Panel Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	25-1/4	28	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	23-1/4	28-1/2	6.00-16-6pr	6.50-16-6pr

Model 3107 Canopy Express Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	25-1/4	28-1/4	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	23-1/4	28-3/4	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	1715	1640	3355	1765	1720	3485	1300	5%	95%
3107 ●	1720	1585	3305	1770	1665	3435	1350	4%	96%

● - Estimated weight

4-1-53. Revised: 7-1-53, ● - Dimension corrected.

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 type; 3300 lb capacity; Hypoid gears; 4.11 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; 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; 9-1/8 dia; 71.86 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 368 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ------ Above driver on centerline of car
DRIVE SYSTEM ---------- Torque tuoe
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE ------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front and rear
FRAME ---------- Ladder type; channel side rails; 5-3/4 x 2-1/4 x 9/64; 2.46 cu. in. section modulus; 5 cross members
FUEL TANK ---------- Inside of frame on right side; 16 gallon capacity
GENERATOR ---------- 45 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 (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; 6.00-16-6pr; 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; 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

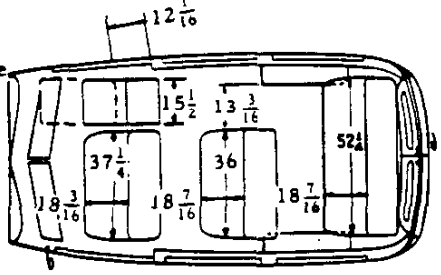
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
CLUTCH, HEAVY DUTY: Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity	*	227 ●
COLORS, VEHICLE	*	234
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800 RPM	*	241
LAMPS, TAIL AND STOP:		
Dual mounted	*	249
MIRROR, REAR VIEW: Short, RH	*	210
OIL FILTER: AC make;		
1 quart capacity	*	237
2 quart capacity	10F	237
SEAT, AUXILIARY:		
Imitation leather	24F, 24R	263
SHOCK ABSORBER SHIELDS, REAR	*	211
SIDE DOOR KEY LOCK, LH	*	395
SPRINGS, REAR: Semi-elliptic; 9-leaf; 1730 lb (ea) capacity at ground	14R	254
TIRES, MAXIMUM: Front, rear, and spare; 15-6 pr; 1500 lb (ea) capacity	50F, 72R	273
TRANSMISSION, 4-SPEED: Synchro-mesh; power take-off opening on left side	53F, 22R	318
VACUUM BOOSTER AND FUEL PUMP	*	340

* - Weight is less than 10 pounds

3-16-53. Revised: 7-1-53. ● - Clutch information corrected.

Model 3106 Suburban Carryall

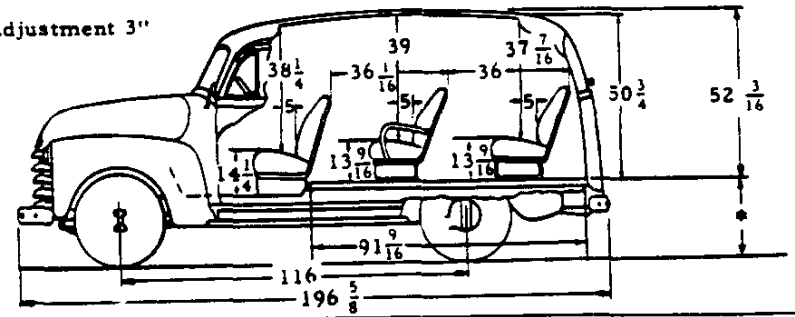
Auxiliary seat moves forward 10" to provide access to center and rear seats

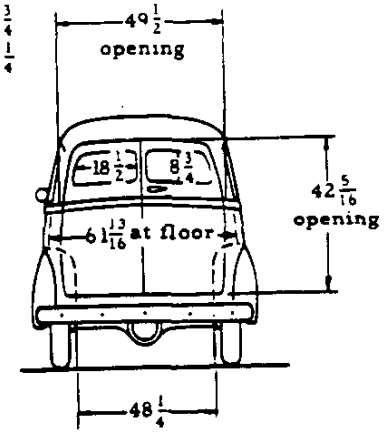


Center and rear seats removable rear seat adaptable to center seat position

Leg room
Front seat 42 3/8
Center seat 37 3/4
Rear seat 38 1/4

Seat adjustment 3"

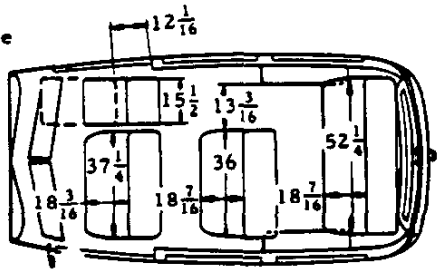




Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	25-1/4	26-7/8	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	23-1/4	27-1/4	6.00-16-6pr	6.50-16-6pr

Model 3116 Suburban Carryall

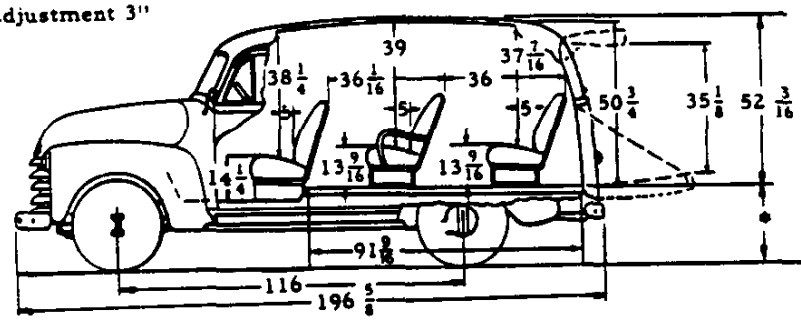
Auxiliary seat moves forward 10" to provide access to center and rear seats

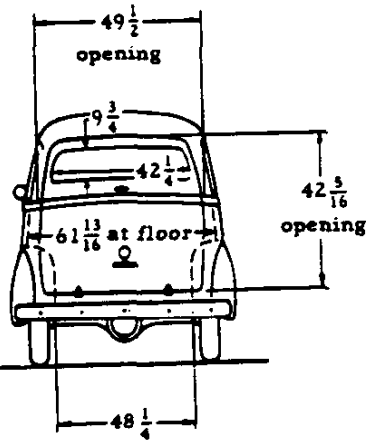


Center and rear seats removable rear seat adaptable to center seat position

Leg room
Front seat 42 3/8
Center seat 37 3/4
Rear seat 38 1/4

Seat adjustment 3"





Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	25-1/4	26-7/8	6.00-16-6pr	6.00-16-6pr
Minimum for Max GVW	23-1/4	27-1/4	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	1740	1895	3635	1790	1975	3765	1000	3%	97%
3116	1740	1900	3640	1790	1980	3770	1000	3%	97%

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
ARM REST ---------- Driver only
AXLE, FRONT --------- I-beam type; 2200 lb capacity
AXLE, REAR --- Semi-floating type; 3300 lb capacity; Hypoid gears; 4.11 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; 9-1/8 dia; 71.86 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 368 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ------- Above driver on centerline of car
DRIVE SYSTEM ---------- Torque tube
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
  GROSS HP ---------- 92 @ 3400 RPM
  GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front and rear
FRAME ---------- Ladder type; channel side rails; 5-3/4 x 2-1/4 x 9/64; 2.46 cu. in. section modulus; 5 cross members
FUEL TANK ---------- Inside of frame on right side; 16 gallon capacity
GENERATOR ---------- 45 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-inch dia wheel
SUNSHADES ---------- Two, 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

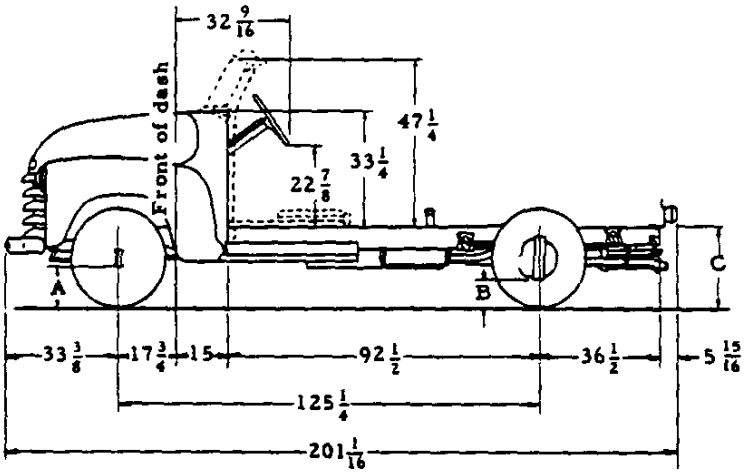
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
CLUTCH, HEAVY DUTY: Diaphragm spring, single disc type; 10-3/4 dia; 104.6 sq. in. area 220 ft lb capacity	*	227 •
COLORS, VEHICLE	*	234
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800 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: Semi-elliptic; 9-leaf, 54 x 1-3/4; 1730 lb (ea) cap. at ground	14R	254
TIRES, MAXIMUM:		
Front, rear and spare; 15-6pr: 1500 lb (ea) capacity	50F, 72R	273
TRANSMISSION, 4-SPEED: Synchro-mesh; power take-off opening on left side	53F, 22R	318
VACUUM BOOSTER AND FUEL PUMP	*	340

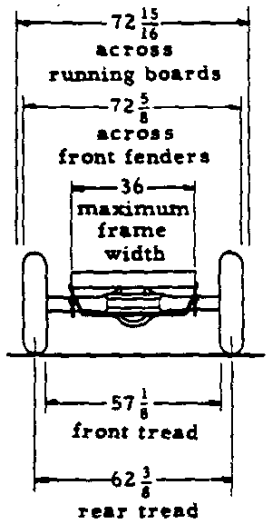
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53, • - Clutch capacity increased.

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	8-7/8	7-11/16	27-3/4
Minimum for Max GVW	10-3/8	9-1/8	29-1/2

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 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	
3602 ●	1660	1015	2675	1725	1120	2845	2900	Determined by style, length and weight of body.		
3612 ●	1710	1070	2780	1775	1175	2950	2800			

● - Estimated weight

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

3/4 TON NOMINAL RATING --- 125-1/4 WHEELBASE --- 5800 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
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; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 368 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
  GROSS HP ---------- 92 @ 3400 RPM
  GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME --------- Ladder type; channel side rails; 5-27/32 x 2-1/4 x 3/16; 3.25 cu. in. section modulus; 5 cross members
FUEL TANK ---------- Inside of frame on right side; 16 gallon capacity
GENERATOR ---------- 45 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; 15-6 pr; 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; steering column-mounted gearshift control
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

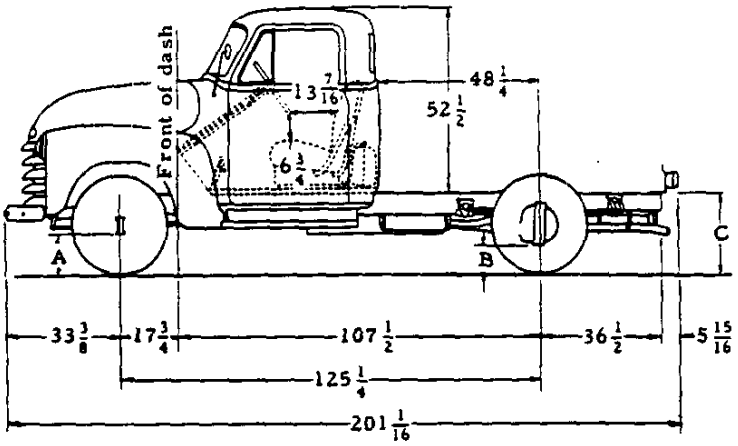
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, REAR: Single-speed; full-floating; ratio 5.14; 5000 lb capacity	*	208
BUMPER EQUIPMENT, REAR	32R	218
COLORS, VEHICLE	*	234
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
GOVERNOR: Range 1500-2800 RPM	*	241
OIL FILTER: AC make;		
1 quart capacity	*	237
2 quart capacity	10F	237
RADIATOR, HEAVY DUTY		
16 quart capacity	*	256
RUNNING BOARDS (long) AND REAR FENDERS	72R	207
SHOCK ABSORBER SHIELDS, REAR	*	211
SPRING, REAR -- Included in 7.50-17 tire option 272; 8-leaf; two-stage; 2500 lb (ea) capacity at ground		
TIRES, MAXIMUM -- Front and single rear; 7.50-17-8 pr; 2100 lb (ea) capacity This option includes optional springs (spring weight included)	45F,71R	272
TRANSMISSION, 4-SPEED Synchro-mesh; power take-off opening on left side	54F,21R	318
VACUUM BOOSTER AND FUEL PUMP	*	340

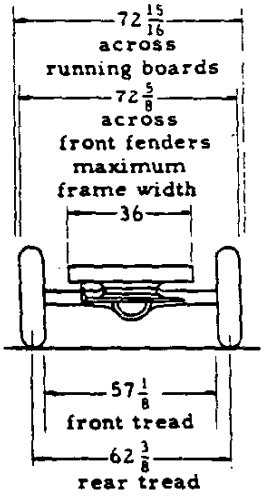
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53, • - Clutch capacity increased.

Model 3603 Cab Chassis

Seat in rear position adjustment $3\frac{3}{8}$

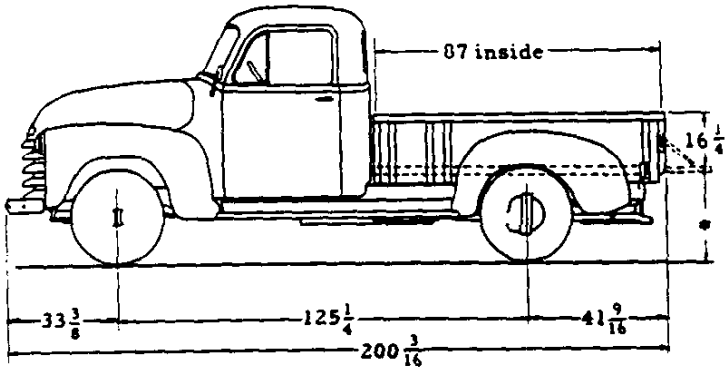


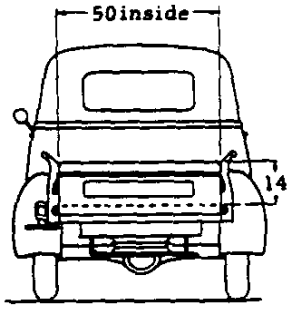


Equipment	Height Without Body and Payload		
	A	B	C
Standard	8-7/8	7-5/8	27-5/8
Minimum for Max GVW	10-5/16	9-1/16	29-3/8

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

Model 3604 Pickup Truck





Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	28-1/2	31	15-6pr	15-6pr
Minimum for Max GVW	30-1/8	33	7.00-17-6pr	7.00-17-8pr

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	
3603	1915	1205	3120	1990	1310	3300	2400	8%	92%	72
								5%	95%	78
								3%	97%	84
								1%	99%	90
3604	1920	1555	3460	1980	1660	3640	2100	3%	97%	87

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

3/4 TON NOMINAL RATING --- 125-1/4 WHEELBASE --- 5800 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
- 3603 ---------- None
- 3604 ---------- Welded steel box, wood floor, and steel skid strips

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; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 368 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
- GROSS HP ---------- 92 @ 3400 RPM
- GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM

FENDERS
- 3603 ---------- Front only
- 3604 ---------- Front and rear

FRAME -------- Ladder type; channel side rails 5-27/32 x 2-1/4 x 3/16; 3.25 cu. in. section modulus; 5 cross members
FUEL TANK -- Back of seat in cab; 17-1/2 gals cap.
GENERATOR ---------- 45 amp maximum rate
LIGHTS------ 2 head, 2 parking, and 1 tail and stop
MIRROR, REAR VIEW
- 3603 ---------- LH; long adjustable bracket
- 3604 ---------- LH; short fixed bracket

RUNNING BOARDS
- 3603 ---------- Short
- 3604 ---------- 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; 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 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; steering column mounted gearshift control
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

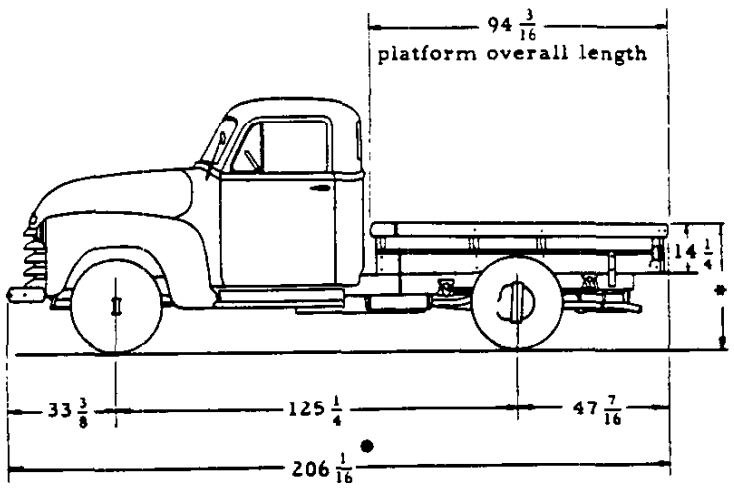
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, REAR: Single-speed; full-floating; 5.14 ratio; 5000 lb capacity	*	208
BUMPER EQUIPMENT, REAR	32R	218
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB: Clear or tinted	*	387
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800 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	*	237
2 quart capacity	10F	237
RADIATOR, HEAVY DUTY:		
16 quart capacity	*	256
RUNNING BOARDS (long) AND REAR FENDERS (3603 only)	72R	207
SHOCK ABSORBER SHIELDS, REAR	*	211
SIDE DOOR KEY LOCK, LH	*	395
SPARE WHEEL CARRIER: Side mounted	*	341
SPRINGS, REAR: Included in 7.50-17 tire option 272; 8-leaf; two-stage; 2500 lb (ea) capacity at ground		
TIRES, MAXIMUM: Front and single rear; 7.50-17-8pr; 2100 lb (ea) capacity; this option includes optional springs; (spring weight included)	45F, 71R	272
TRANSMISSION, 4-SPEED: Synchro-mesh; power take-off opening on left side	53F, 21R	318
VACUUM BOOSTER AND FUEL PUMP	*	340

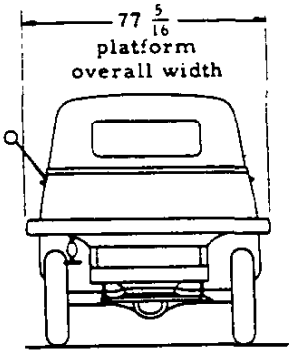
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53, • - Clutch capacity increased.

CHASSIS AND BODY DIMENSIONS

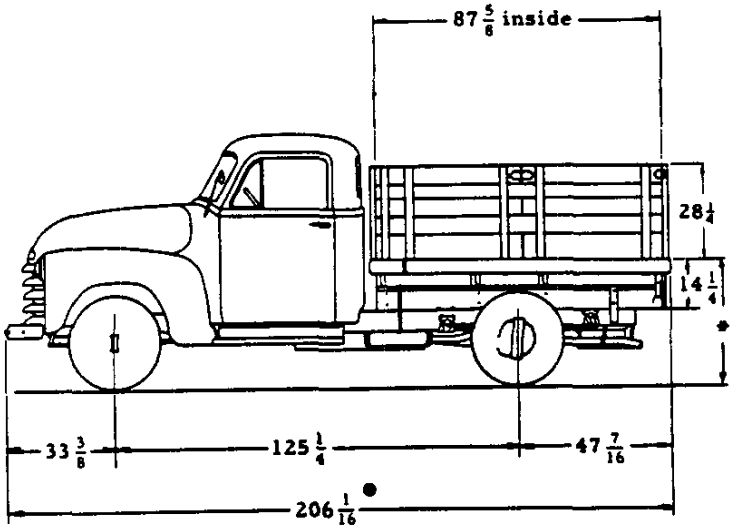
Model 3608 Platform Truck

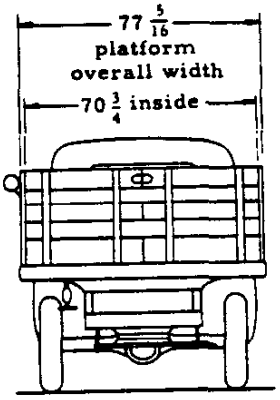




Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	36-5/8	40-3/8	15-6pr	15-6pr
Minimum for Max GVW	40-3/4	43-1/8	7.00-17-6pr	7.00-17-8pr

Model 3609 Stake Truck





Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	36-5/8	40	15-6pr	15-6pr
Minimum for Max GVW	40-3/4	42-7/8	7.00-17-6pr	7.00-17-8pr

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	
3608 ●	1900	1615	3515	1975	1720	3695	2000	0%	100%	94-3/16
3609	1920	1780	3700	1995	1885	3880	1800	0%	100%	87 - 5/8

● - Estimated weight

4-1-53. Revised: 7-1-53, ● - Overall lengths corrected.

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

3/4 TON NOMINAL RATING --- 125-1/4 WHEELBASE --- 5800 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 38-1/2 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; flexible mounted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity
COLOR, BASIC VEHICLE---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 368 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 5-27/32 x 2-1/4 x 3/16;3.25 cu.in. section modulus; 5 cross members
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
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; 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; 15-6 pr; 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; steering column-mounted gearshift control
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

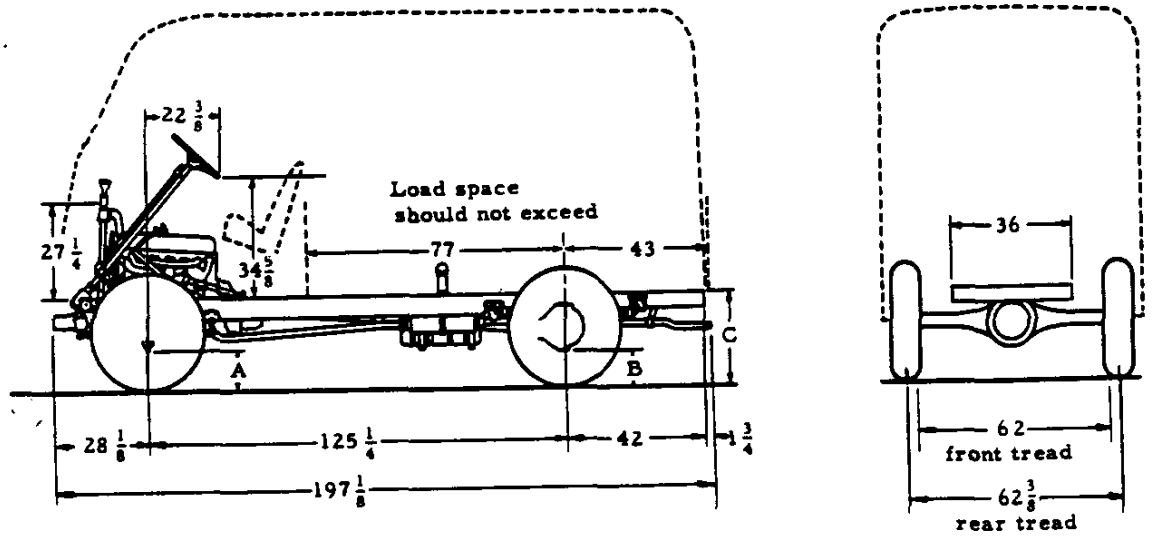
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, REAR: Single-speed; full-floating; 5.14 ratio; 5000 lb capacity	*	208
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB	*	387
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800 RPM	*	241
MIRROR, REAR VIEW: Long, RH	*	210
OIL FILTER: AC make;		
1 quart capacity	*	237
2 quart capacity	10F	237
RADIATOR, HEAVY DUTY:		
16 quart capacity	*	256
SHOCK ABSORBER SHIELDS, REAR	*	211
SIDE DOOR KEY LOCK, LH	*	395
SPRINGS, REAR: Included in 7.50-17 tire option 272; 8-leaf; two-stage; 2500 lb (ea) capacity at ground		
TIRES, MAXIMUM: Front and single rear; 7.50-17-8pr; 2100 lb (ea) capacity This option includes optional springs (spring weight included)	45F, 71R	272
TRANSMISSION, 4-SPEED: Synchro-mesh; power take-off opening on left side	53F, 21R	318
VACUUM BOOSTER AND FUEL PUMP	*	340

* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53, • - Clutch capacity increased.

CHASSIS AND BODY DIMENSIONS

Model 3742 Forward Control Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	8-5/8	7-3/4	28-1/4
Minimum for Max GVW	10	9-1/8	29-3/4

To determine loaded and unloaded heights, body specifications must be known.
Minimum tire equipment for max GVW is 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	1560	915	2475	1550	1135	2685	4300	Determined by style, length and weight of body		

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; 3500 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; 10-3/4 x dia; 104.6 sq. in. area; 220 ft lb capacity
COOLING SYSTEM ----- Ribbed cellular radiator core; 407 sq. in. frontal area; 16 quart capacity x
CRANKCASE VENTILATION ------- Vacuum-operated; closed system
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
GROSS HP ---------- 107 @ 3600 RPM
GROSS TORQUE ---------- 192 ft lb @ 2000 RPM
FRAME -------- Ladder type; channel side rails; 5-27/32 x 2-1/4 x 3/16; 3.25 cu. in. section modulus; 5 cross members
FUEL TANK --------- Outside of frame on right side; 16 gallon capacity
GENERATOR ---------- 45 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 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; 15-6pr; 1500 lb (ea) capacity
TOOLS ---------- 2500 lb capacity jack; jack handle; tire changing iron; wheel wrench
TRANSMISSION ---- 3-speed, synchro-mesh; steering column-mounted gearshift control
WHEELS ---------- 4; 15 x 5.50 F

OPTIONAL EQUIPMENT

For model application see Option Section

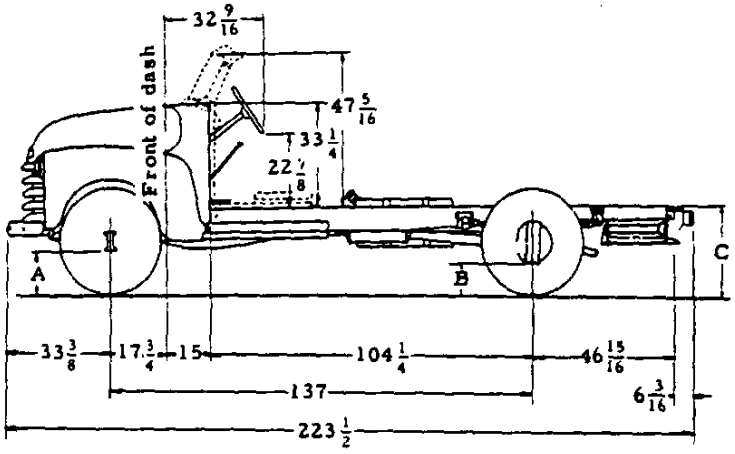
	Wt	Number
AIR CLEANER: AC make; oil bath type 1 pint capacity	9F	216
BUMPER, FRONT: Rigid channel type; painted	74F	367
CARRIER AND SPARE WHEEL: For 15 in. tires	51R	384
For 17 in. tires	59R	384
GENERATOR: With voltage and current regulator, and pulley for high output 40 amp	13	326
45 amp	*	326
50 amp	*	326
SHOCK ABSORBER SHIELDS, REAR	*	211
TIRES, MAXIMUM: Front and rear; 7.50-17-8pr; 2100 lb (ea) capacity	45F, 47R	212
TRANSMISSION, 4-SPEED: Synchro-mesh; power take-off opening on left side	53F, 18R	318
VACUUM BOOSTER AND FUEL PUMP	*	340

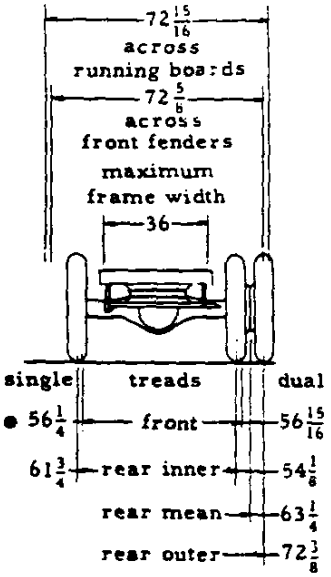
* - Weight is less than 10 pounds

4-1-53, 7-1-53, • - Parking brake area corrected. x - Capacities increased.

CHASSIS AND BODY DIMENSIONS

Model 3802 Flat Face Cowl Chassis
Model 3812 Windshield Cowl Chassis





Equipment	Height Without Body and Payload		
	A	B	C
Standard	10-5/16	9-1/8	31-1/2
Minimum for Max GVW	10-13/16	9-11/16	31-3/4

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	10-3/4	9-1/2	31-1/2

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.50-17-8pr front and 7.50-17-10pr 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 ●	1840	1160	3000	1895	1295	3190	5300	Determined by style, length and weight of body		
3812 ●	1935	1145	3080	1990	1280	3270	5200			
3802 ● ■	1858	1190	3048	1913	1325	3238	4400			

● - Estimated weight. ■ - Junior School Bus Chassis, Model 3802 with RPO 329

4-1-53. Revised: 7-1-53, ● - Tread changed.

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; 10-3/4 dia; 104.6 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ----------13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ----------Thriftmaster; 216.5 cu. in. displ
  GROSS HP ---------- 92 @ 3400 RPM
  GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 7 x 2-3/4 x 7/32; 5.52 cu. in. section modulus; 5 cross members
FUEL TANK--------- Inside 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 ----------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 -------- 7.00-17-6 pr; 1575 lb (ea) capacity
  REAR ---------- 7.00-17-8 pr; 1775 lb (ea) cap.
TOOLS ----------3000 lb capacity jack; jack handle; tire changing iron; wheel wrench
TOOL BOX (3812 only) ---------- 50 x 19-1/2 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

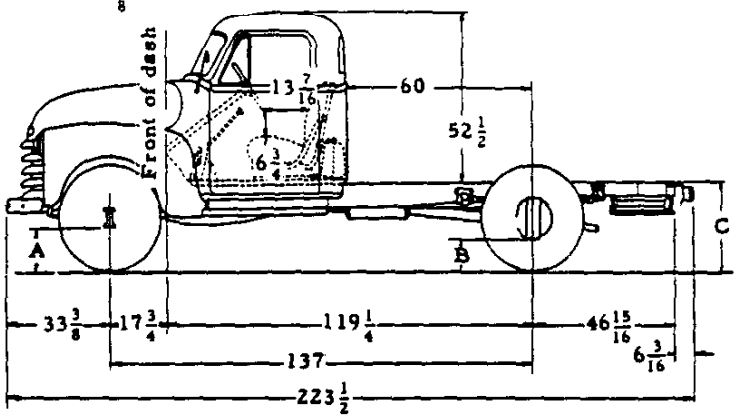
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
COLORS, VEHICLE	*	234
CRANKCASE VENTILATION: Filtered; vacuum-operated (3802 only)	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
GOVERNOR: Range 1500-2800 RPM	*	241
OIL FILTER: AC make;		
1 quart capacity	*	237
2 quart capacity	*	237
PARKING BRAKE: Single or dual wheels	*	214
RADIATOR, HEAVY DUTY:		
16 quart capacity	*	256
RUNNING BOARDS (long) AND REAR FENDERS: When equipped with single rear tires	78R	207
SCHOOL BUS EQUIPMENT (3802 only) 7.50-17-8 pr or 7.50-17-10 pr tires on front; 7.50-17-10 pr on rear; 9-leaf springs on rear; running boards removed	25F, 36R	329
SHOCK ABSORBERS, REAR: Direct double-acting; 1-3/8 dia piston	21R	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)	41R	267
STARTER, SOLENOID (3802 only)	*	327
TIRES, MAXIMUM: Front and dual rear; (Not used on 3802 school bus) 7.00-18-8 pr; 1850 lb (ea) capacity; RPO 267 mandatory;	35F, 213R	295
VACUUM BOOSTER AND FUEL PUMP	*	340

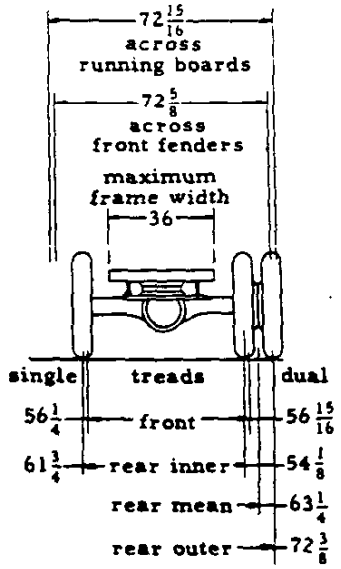
* - Weight is less than 10 pounds

CHASSIS AND BODY DIMENSIONS

Model 3803 Cab Chassis

Seat in rear position
Adjustment $3\frac{3}{8}$

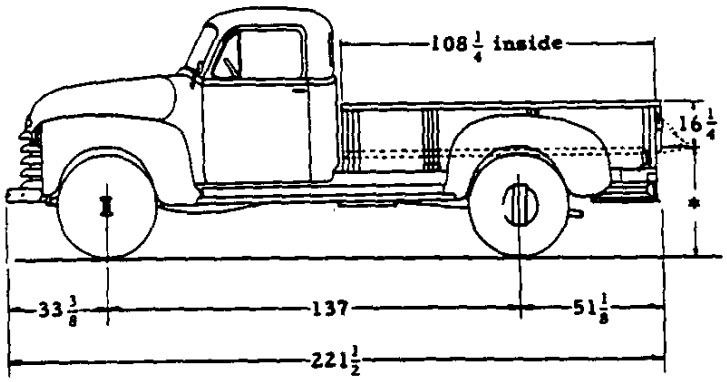


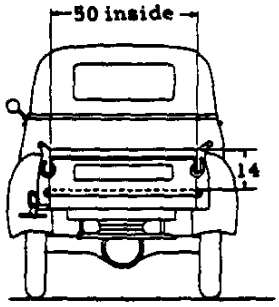


Equipment	Height Without Body and Payload		
	A	B	C
Standard	10-1/4	9-1/16	31-1/4
Minimum for Max GVW	10-3/4	9-11/16	32

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	30-3/4	35-1/4	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	30	35-1/2	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	2115	1300	3415	2195	1405	3600	4900	7%	93%	96
								5%	95%	102
								1%	99%	108
3804	2135	1780	3915	2215	1885	4100	2900	4%	96%	108-1/8

4-1-53

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
- 3803 ---------- None
- 3804 ------- Nominal 9-foot welded steel pickup box with wood floor and steel skid strips

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; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
- GROSS HP ---------- 92 @ 3400 RPM
- GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM

FENDERS
- 3803 ---------- Front only
- 3804 ---------- Front and rear

FRAME ---------- Ladder type; channel side rails; 7 x 2-3/4 x 7/32; 5.52 cu. in. section modulus; 5 cross members
FUEL TANK ---------- Back of seat in cab; 17-1/2 gal capacity
GENERATOR ---------- 45 amp maximum rate
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
- 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- 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 x
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

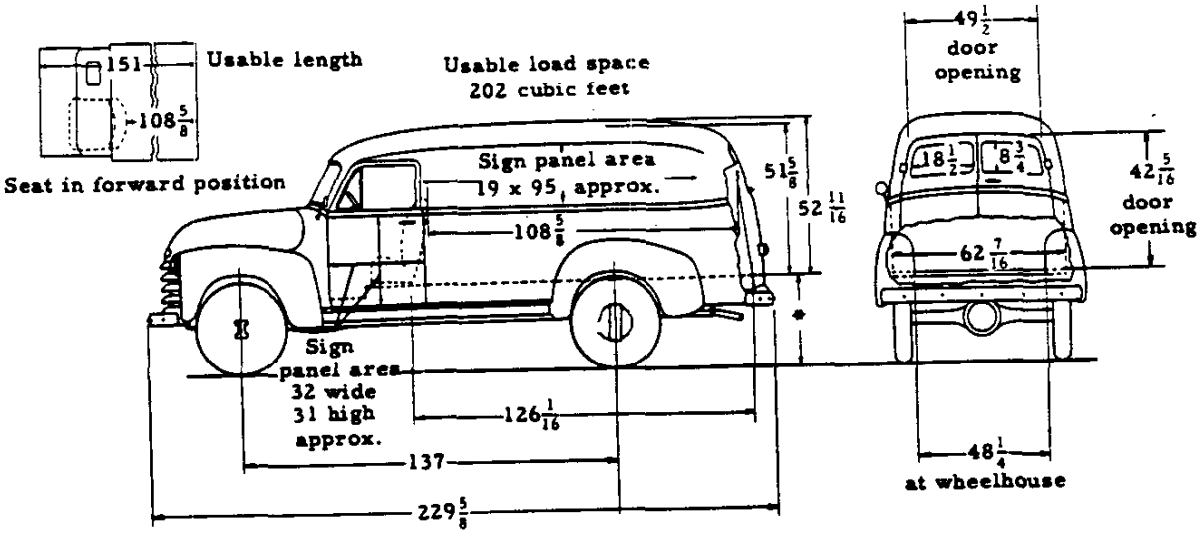
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
BUMPER, REAR: (3804 only)	32R	218 ♦
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB (clear or tinted)	*	387
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
GLASS EQUIPMENT: Tinted	*	399
GOVERNOR: Range 1500-2800 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	*	237
2 quart capacity	*	237
RADIATOR, HEAVY DUTY: 16 quart capacity	*	256
RUNNING BOARDS (long) AND REAR FENDERS (3803 only) -- When equipped with single rear tires	78R	207
SHOCK ABSORBERS, REAR: Direct double-acting; 1-3/8 dia piston	21R	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)	41R	267
TIRES, MAXIMUM:		
3803 -- Front and dual rear; 7.00-18-8 pr; 1850 lb (ea) capacity	35F, 213R	295
3804 -- Front and rear; 7.50-17-8 pr;(single rear) 2100 lb (ea) capacity	18F, 11R	272
VACUUM BOOSTER AND FUEL PUMP	*	340
WHEEL CARRIER EQUIPMENT: (side mounted) 3804 only	*	341
WHEEL LOCK EQUIPMENT: (spare wheel)	*	396

* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Clutch capacity increased. x - Dimension corrected. ♦ - RPO added.

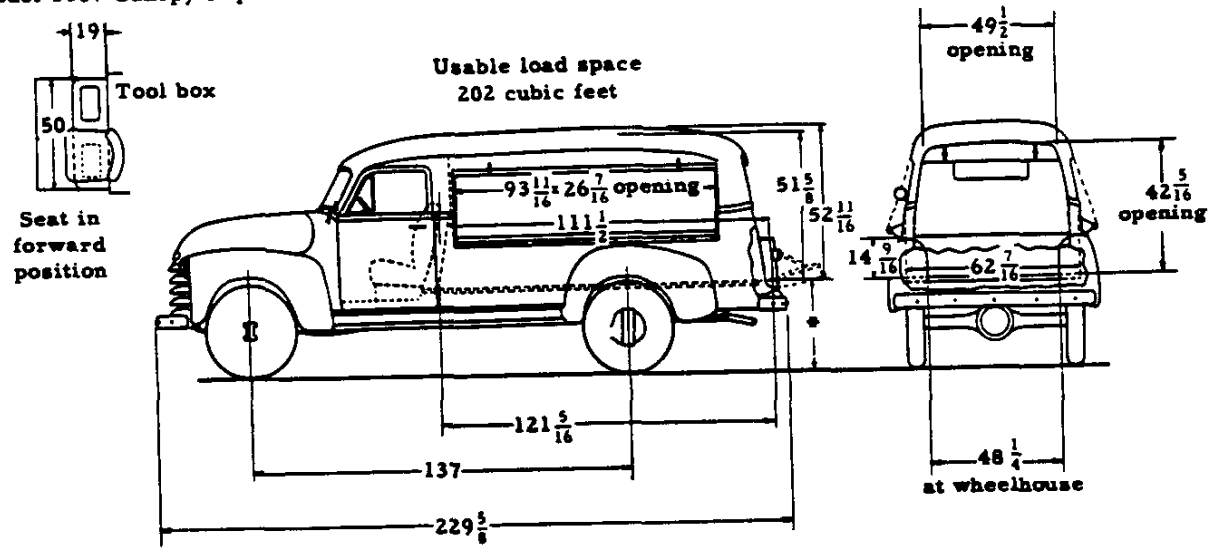
CHASSIS AND BODY DIMENSIONS

Model 3805 Panel Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	30-1/4	33-3/4	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	29	33-3/4	7.00-17-6pr	7.50-17-8pr

Model 3807 Canopy Express Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	30-1/4	34	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	29-1/2	34-1/4	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			Payload	Payload Distribution	
	Front	Rear	Total	Front	Rear	Total		Front	Rear
3805	2050	2100	4150	2105	2235	4340	2600	9%	91%
3807 ●	2070	2025	4095	2125	2160	4285	2700	7%	93%

● - Estimated weight

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 -------- 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
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
BUMPERS---------- Curved, spring type; painted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ------ Above driver on centerline of car
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE ------ 176 ft lb @ 1000 - 2000 RPM
FENDERS ---------- Front and rear
FRAME ---------- Ladder type; channel side rails; 7 x 2-3/4 x 7/32; 5.52 cu. in. section modulus; 5 cross members
FUEL TANK ---- Inside of frame on right; 18 gal cap.
GENERATOR---------- 45 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.
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 2-3/8 x
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

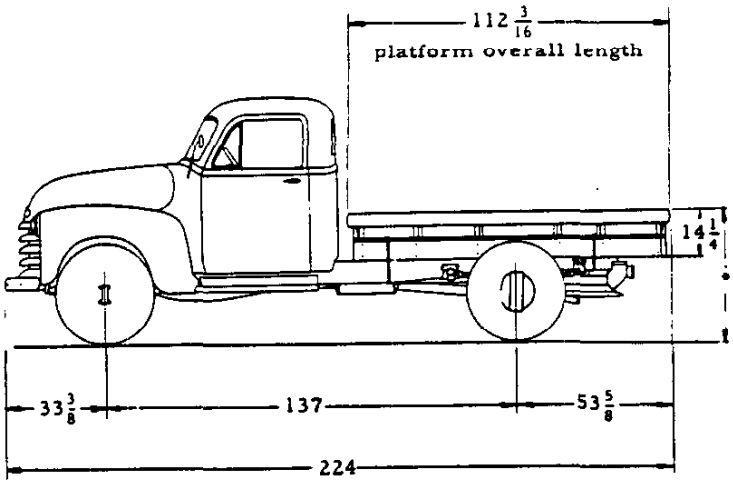
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
COLORS, VEHICLE	*	234
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	13F	326
45 amp	*	326
50 amp	13F	326
55 amp	32F	326
GLASS EQUIPMENT: (Tinted)	*	399
GOVERNOR: Range 1500-2800 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	*	237
RADIATOR, HEAVY DUTY:		
16 quart capacity	*	216
SEAT, AUXILIARY:		
Imitation leather	24F, 24R	213
SHOCK ABSORBERS, REAR: Direct double-acting; 1-3/8 diameter piston	21R	210
SHOCK ABSORBER SHIELDS, REAR	*	211
SIDE DOOR KEY LOCK, LH	*	345
SPRINGS, REAR AND AUXILIARY:		
Main -- 8-leaf; two-stage		
Auxiliary -- 3-leaf		
Capacity at ground (main and auxiliary) -- 3675 lb (ea)	41R	267
TIRES, MAXIMUM: Front and single rear; 7.50-17-8 pr;		
2100 lb (ea) capacity	18F, 11R	272
VACUUM BOOSTER AND FUEL PUMP	*	340

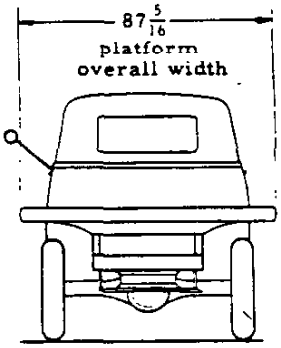
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53, • - Clutch capacity increased. x - Dimension corrected.

CHASSIS AND BODY DIMENSIONS

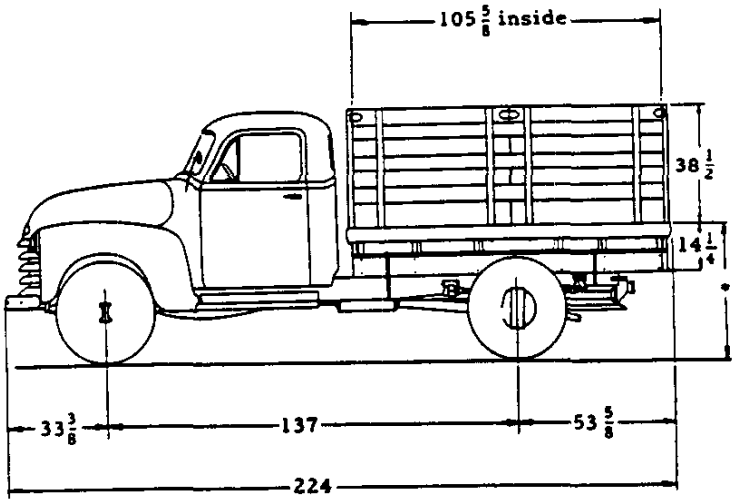
Model 3808 Platform Truck

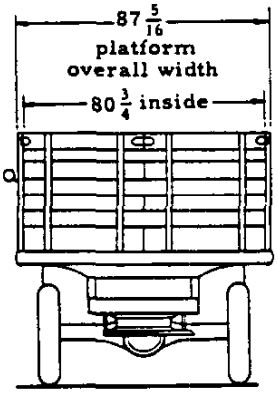




Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	40	44-1/2	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	39-1/2	45	7.00-18-8pr	7.00-18-8pr

Model 3809 Stake Truck





Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	40	44	7.00-17-6pr	7.00-17-8pr
Minimum for Max GVW	39-1/2	44-1/2	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 ●	2100	1865	3965	2180	1970	4150	4300	1%	99%	112-3/16
3809 ●	2120	2085	4205	2200	2190	4390	4100	1%	99% ●	105-5/8

● - Estimated weight

4-1-53. Revised: 7-1-53, ● - Payload distribution corrected.

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 type; 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 38-1/2 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; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE----------Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
  GROSS HP ---------- 92 @ 3400 RPM
  GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME --------- Ladder type; channel side rails; 7 x 2-3/4 x 7/32; 5.52 cu. in. section modulus; 5 cross members
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
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 x
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

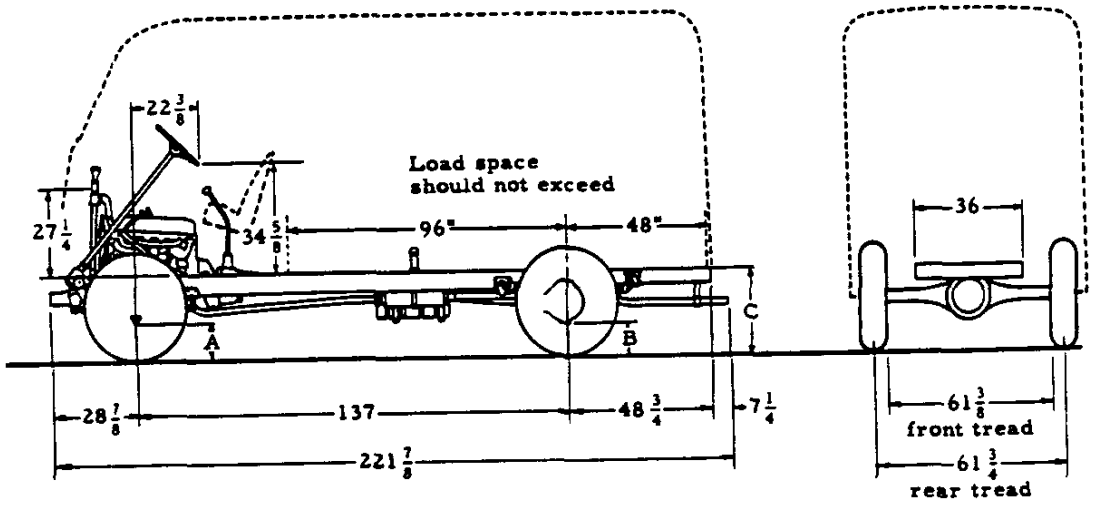
	Wt	Number
AIR CLEANER:		
AC make; oil bath type;		
1 pint capacity----------	*	216
2 pint capacity----------	*	216
COLORS, VEHICLE----------	*	234
CORNER WINDOWS, CAB: Clear or tinted	*	387
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp----------	13F	326
45 amp----------	*	326
50 amp----------	13F	326
55 amp----------	32F	326
GLASS EQUIPMENT: (Tinted)----------	*	399
GOVERNOR: Range 1500-2800 RPM----	*	241
MIRROR, REAR VIEW:		
Long, RH----------	*	210
OIL FILTER: AC make;		
1 quart capacity----------	*	237
2 quart capacity----------	*	237
RADIATOR, HEAVY DUTY: 16 qt cap.--	*	256
SHOCK ABSORBERS, REAR:		
Direct double-acting; 1-3/8 dia piston--	21R	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)----	41R	267
TIRES, MAXIMUM: Front and dual rear; 7.00-18-8 pr; 1850 lb (ea) capacity; RPO 267 mandatory----------	35F, 213R	295
VACUUM BOOSTER AND FUEL PUMP--	*	340

* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Clutch capacity increased. x - Dimension corrected.

CHASSIS AND BODY DIMENSIONS

Model 3942 Forward Control Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	9-15/16	9-1/8	30-3/4
Minimum for Max GVW	10-7/16	9-11/16	30

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 ●	1665	1020	2685	1675	1235	2910	6700	Determined by style, length and weight of body		

● - Estimated weight

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; 3500 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; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COOLING SYSTEM ---- Ribbed cellular radiator core; 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 ---------- 107 @ 3600 RPM
  GROSS TORQUE ---------- 192 ft lb @ 2000 RPM
FRAME ---------- Ladder type; channel side rails; 7 x 2-3/4 x 7/32; 5.52 cu. in. section modulus; 5 cross members
FUEL TANK--Outside of frame on right side;16 gal cap.
GENERATOR---------- 45 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

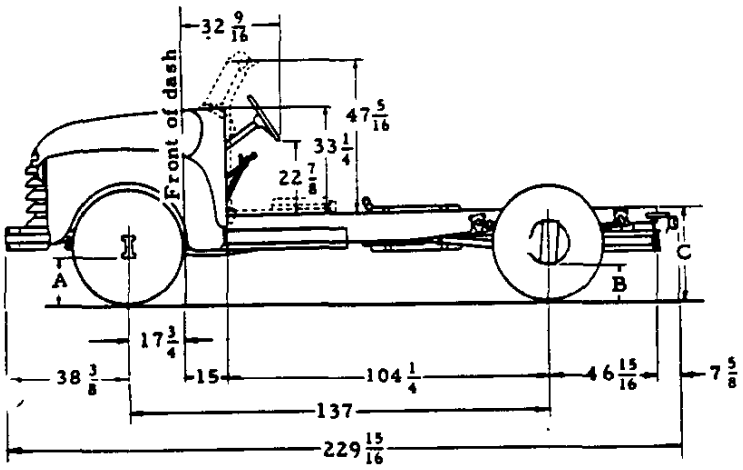
	Wt	Number
AIR CLEANER: AC make; Oil bath type 1 pint capacity	9F	216
BUMPER, FRONT: Rigid, channel-type; painted	74F	367
CARRIER AND SPARE WHEEL: For 17 diameter tires	55R	384
For 18 diameter tires	60R	384
GENERATOR: Including voltage and current regulator, and pulley for high output 40 amp	13F	326
45 amp	*	326
50 amp	*	326
PROPELLER SHAFT BRAKE: 10 dia. x 2-1/2 wide; area, 35 sq. in.	*	214
SHOCK ABSORBERS, REAR: Dbl-act; lever type; 1-1/2 dia 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; 7.00-18-8 pr; 1850 lb (ea) cap. RPOs 200 and 267 are mandatory with this option	35F, 215R	295
VACUUM BOOSTER AND FUEL PUMP	*	340

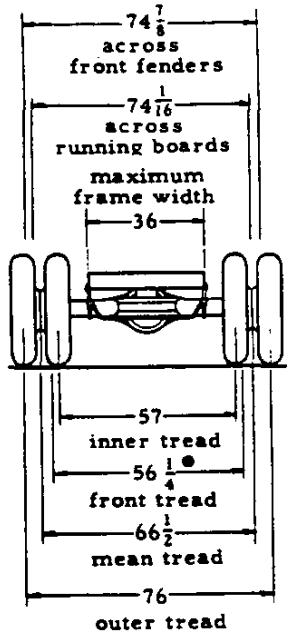
* - Weight is less than 10 pounds

4-1-53. 7-1-53. • - Capacities increased.

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	11-3/16	8-15/16	32-1/2
Minimum for Max GVW	11-11/16	10-1/4	34-1/4

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 ●	1970	1595	3565	2010	1745	3755	9900	Determined by style, length and weight of body		
4112 ●	2125	1590	3715	2165	1740	3905	9750			

● - Estimated weight

4-1-53. Revised: 7-1-53. ● - New axle I-beam changes tread.

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; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
  GROSS HP ---------- 92 @ 3400 RPM
  GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 7 x 2-3/4 x 7/32; 5.52 cu. in. section modulus; 5 cross members
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 ---------- 7000 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

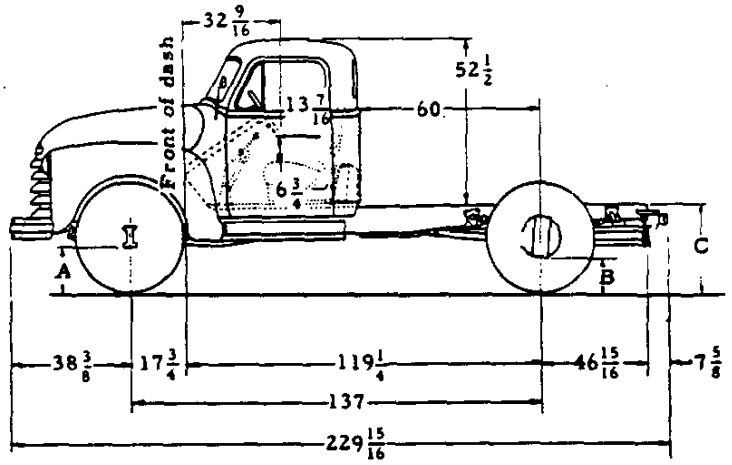
	Wt	Number
AIR CLEANER: AC make; oil bath type		
1 pint capacity	*	216
2 pint capacity	*	216
2 pint capacity with positive crankcase ventilation	*	217
AXLE, REAR: Single-speed; full-floating; 5.43 ratio; 11000 lb capacity	*	204
BRAKE BOOSTER (hydraulic): Long stroke; 7-inch dia; vacuum-operated	11F, 9R	212
COLORS, VEHICLE	*	234
ENGINE, HEAVY DUTY:		
Displacement -- 235.5 cu. in. Gross HP -- 108 @ 3600 RPM Gross torque -- 200 @ 2000 RPM	18F	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	78F, 216R	
FRAME, HEAVY DUTY: 8.80 cu. in. section modulus	23F, 23R	233
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GOVERNOR: Range 1500-2800; for heavy duty engine, 2300-3200 RPM	*	241
OIL FILTER: AC make, 1 and 2 quart capacities	*	237 x
RADIATOR, HEAVY DUTY: 16 quart capacity	*	256
SHOCK ABSORBERS:		
Front -- Double-acting; lever type; 1-1/2 dia piston	24F	200
Rear -- Double-acting; lever type; 1-3/4 diameter piston	39F	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 AUXILLIARY: 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: 1000 cu. in. cap., RPO 233 mandatory	6F, 6R	281
TIRES, MAXIMUM: Front and dual rear; 7.50-20-10 pr; 2700 lb (ea) capacity	80F, 171R	305
VACUUM BOOSTER AND FUEL PUMP	*	340

* - Weight is less than 10 pounds

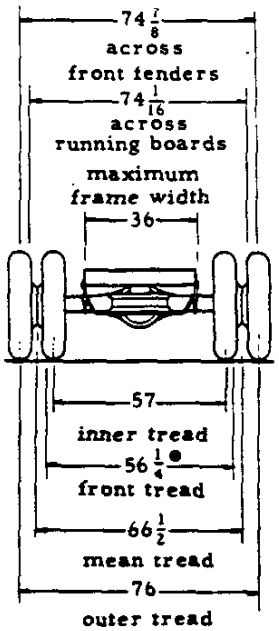
4-1-53. Revised: 7-1-53, • - Clutch capacity increased. x - 1 quart filter added to option.

CHASSIS AND BODY DIMENSIONS

Model 4103 Cab Chassis



Seat in rear position
Adjustment $3\frac{3}{8}$



Equipment	Height Without Body and Payload		
	A	B	C
Standard	11-3/16	8-15/16	32-1/4
Minimum for Max GVW	11-11/16	10-3/16	34-1/4

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	
4103	2245	1765	4010	2325	1870	4195	9450	7%	93%	96
								5%	95%	102
								3%	97%	108

4-1-53. Revised: 7-1-53. ● - New axle I-beam changes tread.

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; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR; BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE ------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 7 x 2-3/4 x 7/32; 5.52 cu. in. section modulus; 5 cross members
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 ---------- 7000 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

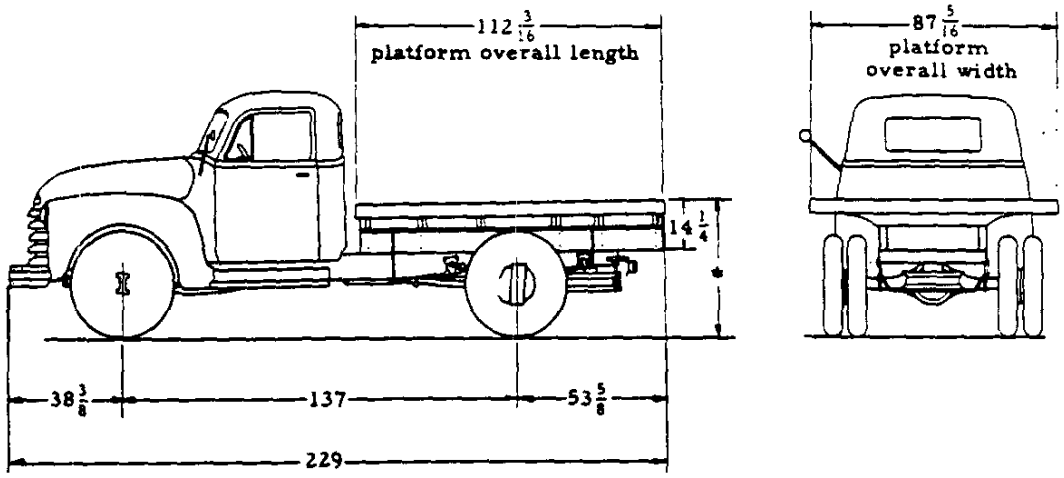
	Wt	Number
AIR CLEANER: AC make; oil bath type (2 pt cap. standard equip. on heavy duty engine RPO)		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, REAR: Single-speed; full-floating; 5.43 ratio; 11000 lb capacity	*	204
BRAKE BOOSTER (hydraulic) Long stroke; 7-inch diameter; vacuum-operated	11F, 9R	212
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB: 236 sq. in. daylight opening area	*	387
ENGINE, HEAVY DUTY: Displacement -- 235.5 cu. in. Gross HP -- 108 @ 3600 RPM Gross torque -- 200 ft lb @ 2000 RPM	18F	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	78F, 216R	
FRAME, HEAVY DUTY: 8.80 cu. in. section modulus	23F, 23R	233
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800; for heavy duty engine, 2300-3200 RPM	*	241
MIRROR, REAR VIEW: Long, RH; or short, LH	*	210
OIL FILTER: AC; 1 and 2 qt cap.	*	237 x
RADIATOR, HEAVY DUTY: 16 qt cap.	*	[illegible]
SHOCK ABSORBERS: Dbl-act; lever type		
Front -- 1-1/2 diameter piston	24F	0
Rear -- 1-3/4 diameter piston	39R	0
SIDE DOOR KEY LOCK, LH	*	25
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.	80F, 171R	305
VACUUM BOOSTER AND FUEL PUMP	*	340

* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Clutch capacity increased. x - 1 quart filter added to option.

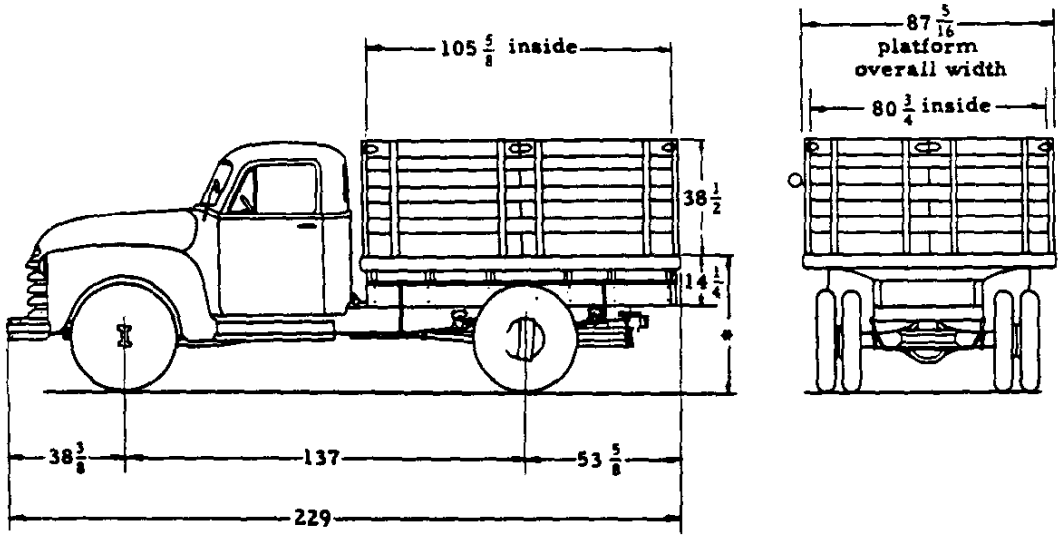
CHASSIS AND BODY DIMENSIONS

Model 4108 Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	43-1/8	47	6.50-20-6pr	6.50-20-6pr dual
Minimt for Max GVW	44-3/8	49	7.00-20-8pr	7.50-20-8pr dual

Model 4109 Stake Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	43	46-7/8	6.50-20-6pr	6.50-20-6pr dual
Minimum for Max GVW	44-3/8	48-7/8	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	
4108 ●	2275	2315	4590	2355	2420	4775	8900	1%	99%	112-3/16
4109	2280	2545	4825	2360	2650	5010	8650	2%	98%	105-5/8

● - Estimated weight

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. Entire platform is bound by steel channel-type rub rail with stake pockets integrally formed. Steel cross sills and full length wood side sills. 4109 is equipped with 38-1/2 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
BUMPER, FRONT ------ Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 7 x 2-3/4 x 7/32; 5.52 cu. in. section modulus; 5 cross members
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) capacity
TOOLS ------ 7000 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

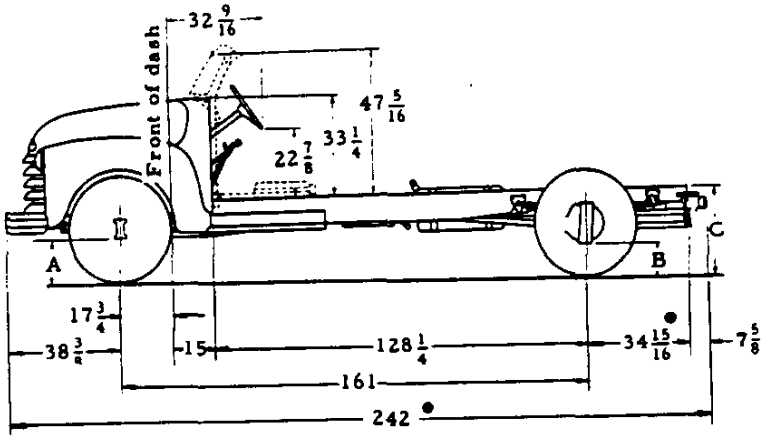
	Wt	Number
AIR CLEANER: AC make; oil bath type (2 pt cap. standard equip. on heavy duty engine RPO)		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, REAR: Single-speed; full-floating; 5.43 ratio; 11000 lb capacity	*	204
BRAKE BOOSTER (hydraulic) -- Long stroke; 7-inch dia; vacuum-operated	11F, 9R	212
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB	*	387
ENGINE, HEAVY DUTY: Displacement -- 235.5 cu. in. displ Gross HP -- 108 @ 3600 RPM Gross torque -- 200 @ 2000 RPM	18F	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	78F, 216R	
FRAME, HEAVY DUTY: 8.80 cu. in. section modulus;	23F, 23R	233
GENERATOR: With voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800; for heavy duty engine, 2300-3200 RPM --	*	241
MIRROR, REAR VIEW: Long, RH	*	210
OIL FILTER: AC make; 1 and 2 quart capacities	*	237 x
RADIATOR, HEAVY DUTY: 16 qt. cap.	*	256
SHOCK ABSORBERS:		
Front -- Double-acting; lever type; 1-1/2 diameter piston	24F	200
Rear -- Double-acting; lever type; 1-3/4 diameter piston	39R	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. cap; RPO 233 mandatory	6F, 6R	281
TIRES, MAXIMUM: Front and dual rear; 7.50-20-10pr; 2700 lb (ea) cap.	80F, 171R	305
VACUUM BOOSTER AND FUEL PUMP	*	340

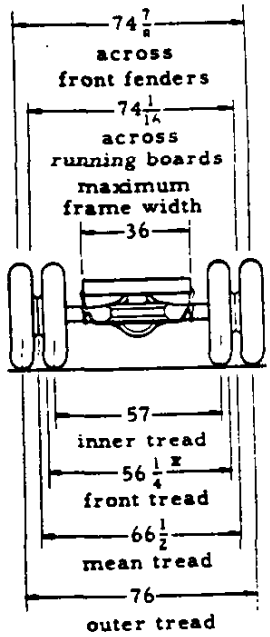
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Clutch capacity increased. x - 1 quart filter added to option.

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	11-3/16	8-15/16	32-3/4
Minimum for Max GVW	11-11/16	10-1/4	34

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	
4402 ●	2090	1625	3715	2145	1760	3905	9800	Determined by style, length and weight of body		
4412 ●	2205	1625	3830	2260	1760	4020	9700			

● - Estimated weight

4-1-53. Revised: 7-1-53. ● - Dimensions corrected. x - New axle I-beam changes tread.

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 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
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 quart cap.
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE ------ 176 ft lb @ 1000 - 2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 6 cross members
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 ---------- 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 ---------- 7000 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

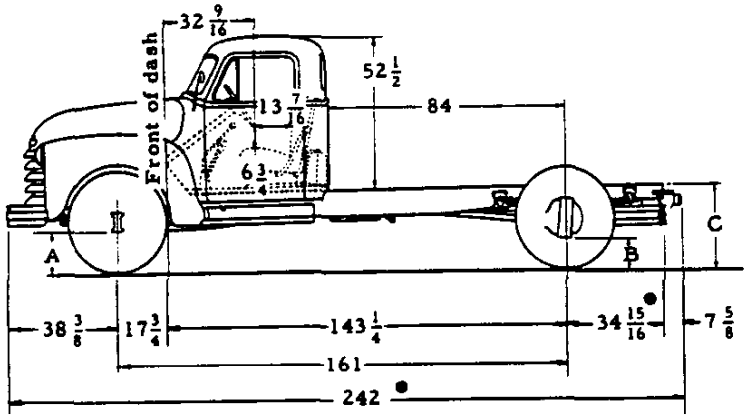
	Wt	Number
AIR CLEANER: AC make; oil bath type (2 pt cap. standard equip. on heavy-duty engine RPO)		
1 pint capacity ----------	*	216
2 pint capacity ----------	*	216
AXLE, REAR: Single-speed; full-floating; 5.43 ratio; 11000 lb capacity ---------	*	204
BRAKE BOOSTER (hydraulic) -- Long stroke; 7-inch dia; vacuum-operated ------	11F, 9R	212
COLORS, VEHICLE ----------	*	234
ENGINE, HEAVY DUTY: Displacement -- 235.5 cu. in. Gross HP -- 108 @ 3600 RPM Gross torque -- 200 @ 2000 RPM ----	18F	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 7.00-20-8 pr front, and 7.50-20-8 pr dual rear tires -----	55F, 193R	
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp ----------	*	326
50 amp ----------	*	326
55 amp ----------	28F	326
GOVERNOR: Range 1500-2800; for heavy duty engine, 2300-3200 RPM ----	*	241
OIL FILTER: AC, 1 and 2 qt. cap. ---	*	237 x
RADIATOR, HEAVY DUTY: 16 qt cap. --	*	256
SHOCK ABSORBERS: Dbl-act; lever type		
Front -- 1-1/2 diameter piston -------	24F	200
Rear -- 1-3/4 diameter piston -------	39R	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. capacity ----------	6F, 6R	281
TIRES, MAXIMUM: Front and dual rear; 7.50-20-10pr; 2700 lb (ea) capacity ----------	80F, 171R	305
VACUUM BOOSTER AND FUEL PUMP ----------	*	340

* - Weight is less than 10 pounds

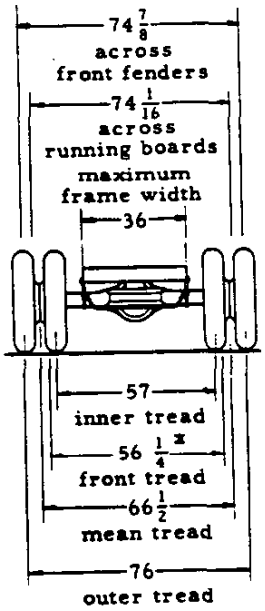
4-1-53. Revised: 7-1-53. • - Clutch capacity increased. x - 1 quart filter added to option.

CHASSIS AND BODY DIMENSIONS

Model 4403 Cab Chassis



Seat in rear position adjustment $3\frac{3}{8}$



Equipment	Height Without Body and Payload		
	A	B	C
Standard	10-11/16	8-15/16	32-3/4
Minimum for Max GVW	11-3/4	10-1/4	34

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 7.00-20-8 pr front and 7.50-20-8 pr 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	
4403	2350	1780	4130	2445	1870	4315	9400	14%	86%	120
								10%	90%	132
								6%	94%	144

4-1-53. Revised: 7-1-53. • - Dimensions corrected. x - New axle I-beam changes tread.

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; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE -------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 6 cross members
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 ----- 7000 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

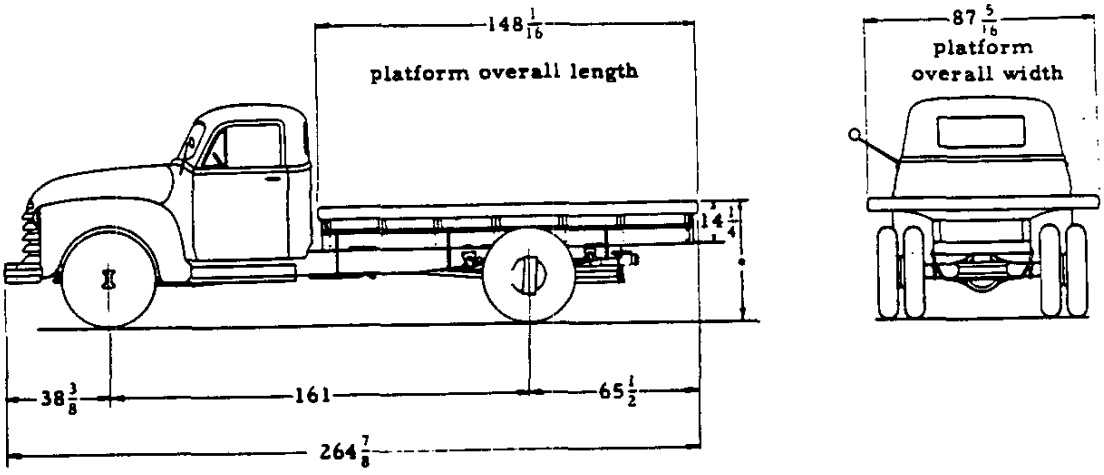
	Wt	Number
AIR CLEANER: AC make; oil bath type (2 pt. cap. standard equip. on heavy duty engine RPO)		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, REAR: Single-speed; full-floating; 5.43 ratio; 11000 lb capacity	*	204
BRAKE BOOSTER (hydraulic) -- Long stroke; 7-inch dia; vacuum-operated	11F, 9R	212
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB	*	387
ENGINE, HEAVY DUTY: Displacement -- 235.5 cu. in. Gross HP -- 108 @ 3600 RPM Gross torque -- 200 @ 2000 RPM	18F	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	55F, 193R	
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800; for heavy duty engine, 2300-3200 RPM	*	241
MIRROR, REAR VIEW: Long, RH; Short, RH or LH	*	210
OIL FILTER: AC, 1 and 2 qt cap.	*	237 x
RADIATOR, HEAVY DUTY: 16 qt cap.	*	256
SHOCK ABSORBERS:		
Front -- Double-acting; lever type; 1-1/2 diameter piston	24F	200
Rear -- Double-acting; lever type; 1-3/4 diameter piston	39R	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	*	262
REAR AND AUXILIARY: Main -- 11-leaf Auxiliary -- 6-leaf Capacity at ground (main and auxiliary) -- 7800 lb (ea)	76	267
TANK, VACUUM RESERVE (1000 cu. in.)	6F, 6R	281
TIRES, MAXIMUM: Front and dual rear; 7.50-20-10pr; 2700 lb (ea) cap.	80F, 171R	305
VACUUM BOOSTER AND FUEL PUMP	*	340

* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53, • - Clutch capacity increased. x - 1 quart filter added to option.

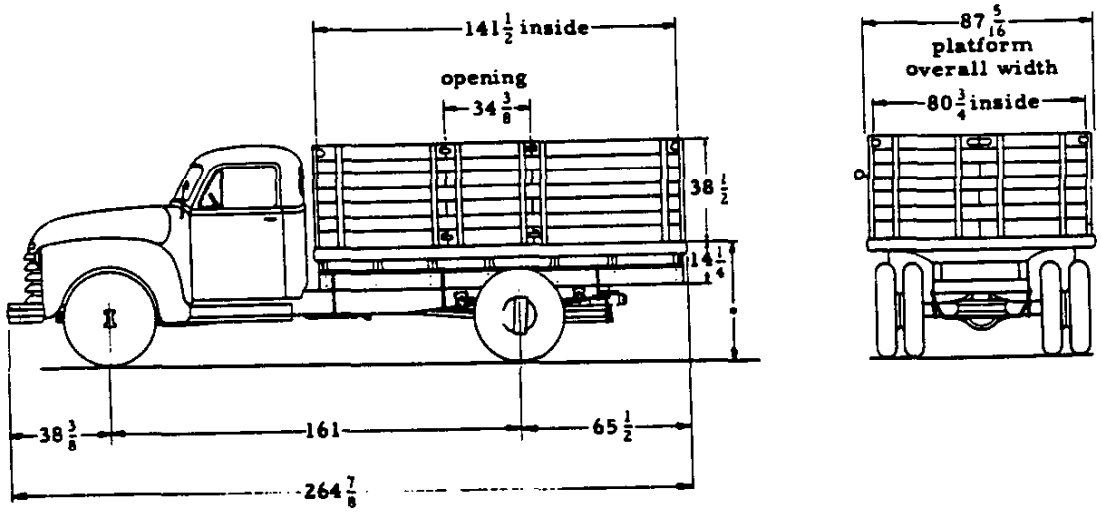
CHASSIS AND BODY DIMENSIONS

Model 4408 Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	44-1/4	47-5/8	6.50-20-6pr	6.50-20-6pr dual
Minimum for Max GVW	45	49-1/8	7.00-20-8pr	7.50-20-8pr dual

Model 4409 Stake Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	44-1/4	47-1/2	6.50-20-6pr	6.50-20-6pr dual
Minimum for Max GVW	45	49	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 θ	2395	2445	4840	2490	2535	5025	8700	5%	95%	148-1/16
4409	2450	2705	5155	2545	2795	5340	8400	5%	95%	141-1/2

θ - Estimated weight

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. 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. Model 4409 is equipped with a 38-1/2 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; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DOME LIGHT ---------- Above rear window
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
  GROSS HP ---------- 92 @ 3400 RPM
  GROSS TORQUE ------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 6 cross members
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 ----- 7000 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 ventipane
WHEELS ---------- 7; wide-base rim; 20 x 5.0
WINDSHIELD WIPERS ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

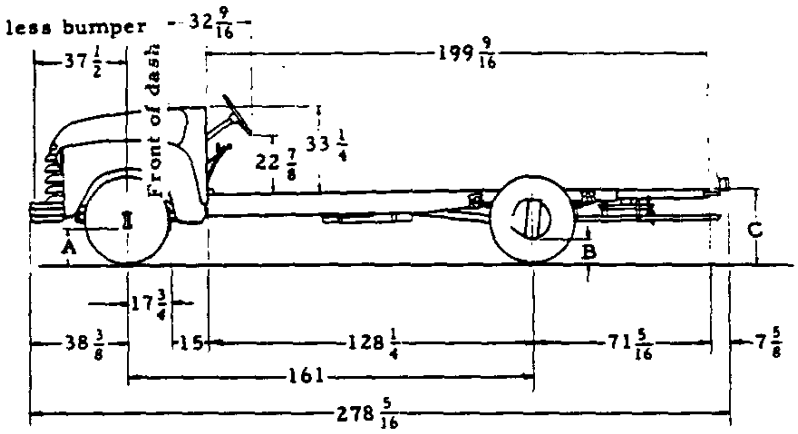
For model application see Option Section

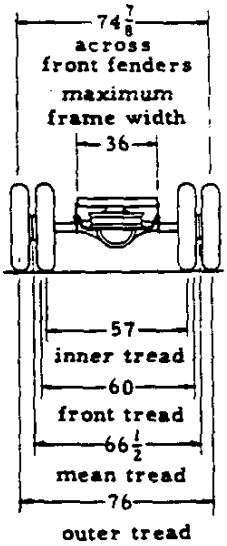
	Wt	Number
AIR CLEANER: AC make; oil bath type (2 pt cap. standard equip. on heavy duty engine RPO)		
1 pint capacity	*	216
2 pint capacity	*	216
AXLE, REAR: Single-speed; full-floating; 5.43 ratio; 11000 lb capacity	*	204
BRAKE BOOSTER (hydraulic) -- Long stroke; 7-inch dia; vacuum-operated	11F, 9R	212
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB	*	387
ENGINE, HEAVY DUTY:		
Displacement -- 235.5 cu. in. Gross HP -- 108 @ 3600 RPM Gross torque -- 200 @ 2000 RPM	18F	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	55F, 193R	
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 1500-2800; for heavy duty engine, 2300-3200 RPM	*	241
MIRROR, REAR VIEW: Long, RH	*	210
OIL FILTER: AC, 1 and 2 qt. cap.	*	237 x
RADIATOR, HEAVY DUTY: 16 qt cap.	*	256
SHOCK ABSORBERS: Dbl-act; lever type		
Front -- 1-1/2 diameter piston	24F	200
Rear -- 1-3/4 diameter piston	39R	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. cpacity	6F, 6R	281
TIRES, MAXIMUM: Front and dual rear; 7.50-20-10pr; 2700 lb (ea) capacity	80F, 171R	305
VACUUM BOOSTER AND FUEL PUMP	*	340

* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Clutch capacity increased. x - 1 quart filter added to option.

Model 4502 School Bus Flat Face Cowl Chassis





Equipment	Height Without Body and Payload		
	A	B	C
Standard	10-3/4	8-7/8	36
Minimum for Max GVW	10-3/4	9-3/8	36-3/4

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 ●	2115	1775	3890	2220	1940	4160	7800	Determined by style, length and weight of body		

● - Estimated weight

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 2.5; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BUMPER, FRONT ------ Rigid, channel-type; painted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 370 sq. in. frontal area; 4 lb pressure cap; 15 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Thriftmaster; 216.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE ------- 176 ft lb @ 1000-2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 8 cross members
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

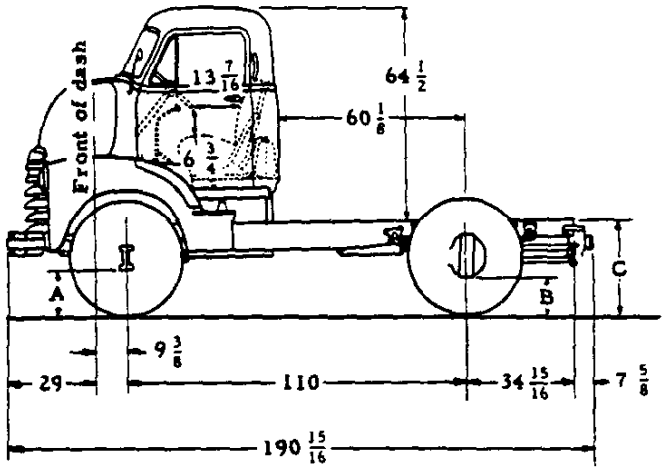
For model application see Option Section

	Wt	Number
AIR CLEANER		
AC make; oil bath type (2 pt cap. standard equipment 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-inch dia;		
vacuum-operated ----------	11F, 9R	212
COLORS, VEHICLE----------	*	234
ENGINE, HEAVY DUTY:		
Displacement--235.5 cu. in.		
Gross HP--108 @ 3600 RPM		
Gross torque--200 @ 2000 RPM -----	18F	225
GENERATOR -- Including voltage and current regulator, and pulley for high output		
40 amp ----------	*	326
50 amp ----------	*	326
55 amp ----------	28F	326
OIL FILTER -- AC, 1 and 2 qt. cap. ----	10F	237 x
RADIATOR, HEAVY DUTY -- 16 qt cap. --	*	256
SHOCK ABSORBERS -- Dbl-act; lever type		
Front -- 1-1/2 diameter piston -------	23F	200
Rear -- 1-3/4 diameter piston --------	39R	200
TANK, VACUUM RESERVE(1000 cu.in.)--6F, 6R		281
TIRES, MAXIMUM		
Front and dual rear; 7.00-20-10pr;		
2250 lb (ea) capacity ----------	34F, 69R	296
VACUUM BOOSTER AND FUEL PUMP ---	*	340

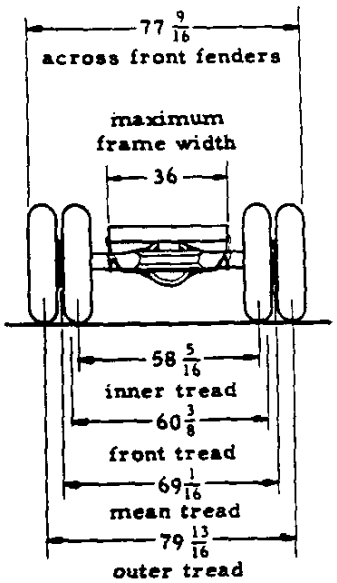
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53, • - Clutch capacity increased. x - 1 quart filter added to option.

Models 5103 (5103S) Cab Chassis



Seat in rear position adjustment $3\frac{3}{8}$



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12-1/16	10-1/4	34
Minimum for Max GVW	12-1/16	10-13/16	34-3/4

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)	2620	1915	4535	2720	2020	4740	11200	12%	88%	90
								9%	91%	96
								6%	94%	102
								4%	96%	108

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; 2 qt 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-inch dia; vacuum-operated
BUMPER, FRONT ------ Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH--Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt capacity •
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
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 ---------- 107 @ 3600 RPM
  GROSS TORQUE ---------- 192 ft lb @ 2000 RPM x
FENDERS ---------- Front, COE type
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 5 cross members
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 --- 7000 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

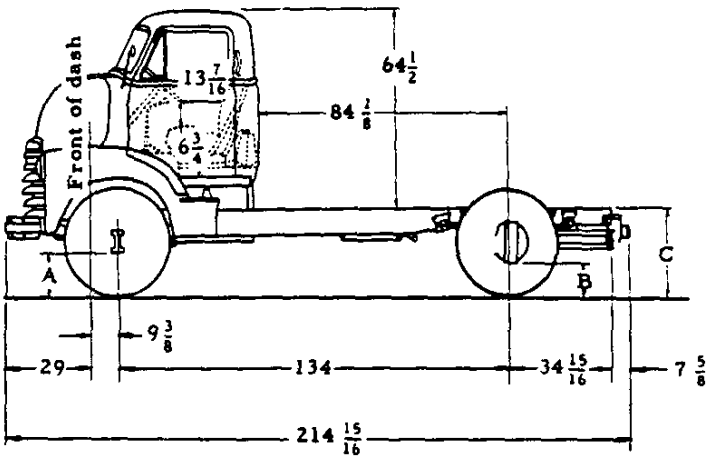
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios	113R	202
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB	*	387
CRANKCASE VENTILATION: Filtered; vacuum-operated	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output 40 or 50 amp	*	326
GLASS EQUIPMENT, BODY	*	399
GOVERNOR: Range 2300-3200 RPM	*	241
MIRROR, REAR VIEW: Short, RH and LH; long, RH	*	210
OIL FILTER: AC make; 2 qt cap.	14F	237
PLATE, IDENTIFICATION: 1-1/2 Ton Special	*	402
RADIATOR, HEAVY DUTY: 3 inch core; 18 quart capacity	*	256
SHOCK ABSORBERS:		
Front--Double-acting; lever type; 1-1/2 diameter piston	24F	200
Rear--Double-acting; lever type; 1-3/4 diameter piston	39R	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:		
Front; 8.25-20-10 pr; 2900 lb (ea) capacity	39F	343
Dual rear; 9.00-20-10 pr; 3450 lb (ea) capacity (RPO 291 mandatory)	157R	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)	78R	291
7 wheels	34F, 77R	291

* - Weight is less than 10 pounds

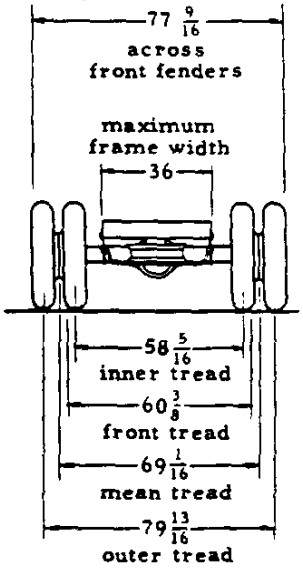
4-1-53. Revised: 7-1-53. • - Capacities increased. x - Gross torque corrected. ♦ - 40 amp. generator; heavy duty radiator; and rear springs added to Optional Equipment.

CHASSIS AND BODY DIMENSIONS

Model 5403 (5403S) C. O. E. Cab Chassis



Seat in rear position adjustment $3\frac{3}{8}$



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12-1/16	10-1/4	33-1/4
Minimum for Max GVW	12-1/16	10-13/16	33-3/4

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)	2700	1945	4645	2810	2040	4850	11100	17%	83%	120
								12%	88%	132
								10%	90%	138
								8%	92%	144

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

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; 2 quart 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-inch dia; vacuum-operated
BUMPER, FRONT ------ Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt capacity •
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
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 ---------- 107 @ 3600 RPM
GROSS TORQUE ---------- 192 ft lb @ 2000 RPM x
FENDERS, COE TYPE ---------- Front only
FRAME --------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 5 cross members
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 ---------- Semi-elliptic
FRONT -- 11-leaf, 40 x 2; 2400 lb (ea) cap. at ground
REAR
MAIN ---------- 11-leaf, 46 x 2-1/2
AUXILIARY ---------- 6-leaf, 31 x 2-1/2
CAPACITY AT GROUND ---------- 7800 lb (ea)
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---- 7000 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

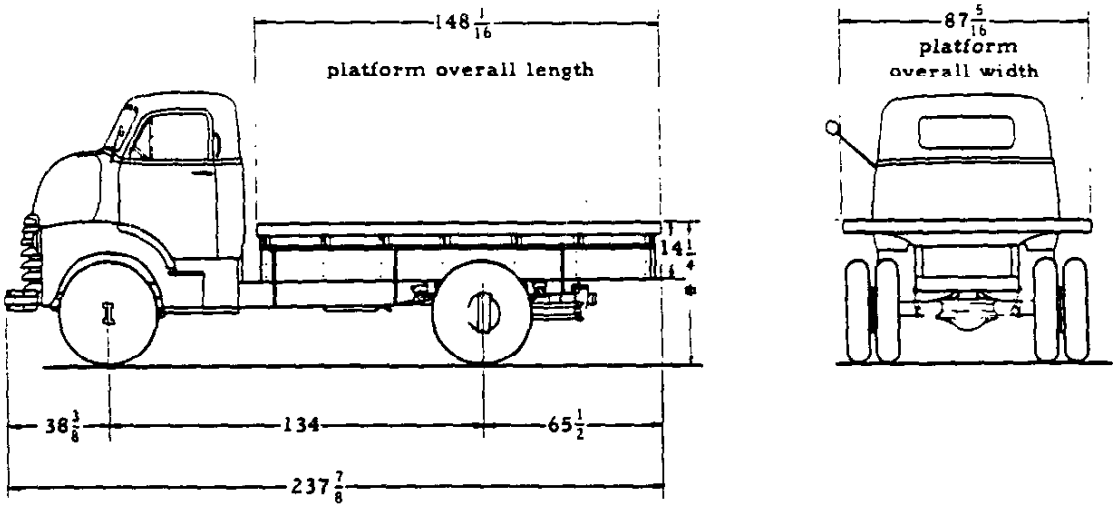
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios ----------	113R	202
COLORS, VEHICLE ----------	*	234
CORNER WINDOWS, CAB ----------	*	387
CRANKCASE VENTILATION: Filtered; vacuum-operated ----------	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output 40 or 50 amp ----------	*	326
GLASS EQUIPMENT, BODY ----------	*	399
GOVERNOR: Range 2300-3200 RPM ----------	*	241
MIRROR, REAR VIEW: Short, RH or LH ----------	*	210
Long, RH ----------	*	210
OIL FILTER: AC make; 2 qt cap. -------	14F	237
PLATE, IDENTIFICATION: 1-1/2 Ton Special ----------	*	402
RADIATOR, HEAVY DUTY: 3 in. core; 18 quart capacity ----------	*	256
SHOCK ABSORBERS: Dbl-act; lever type		
Front -- 1-1/2 diameter piston --------	24F	200
Rear --- 1-3/4 diameter piston --------	39R	200
SIDE DOOR KEY LOCK, LH ----------	*	395
SPRINGS, REAR: Two-stage, 11-leaf, 5600 lbs (ea) cap. at ground ---- Minus	75R	268
TANK, VACUUM RESERVE: 1000 cu. in. capacity ----------	6F, 6R	281
TIRES, MAXIMUM: Front; 2900 lb cap; 8.25-20-10pr ----------	39F	343
Dual rear; 3450 lb (ea) capacity; 9.00-20-10pr (RPO 291 mandatory) ----------	157R	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) ------	78R	291
7 wheels ----------	34F, 77R	281

* - Weight is less than 10 pounds.

4-1-53. Revised: 7-1-53. • - Capacities increased. x - Gross torque lowered. ♦ - Following items added to Optional Equipment: 40 amp generator; heavy-duty radiator; rear springs

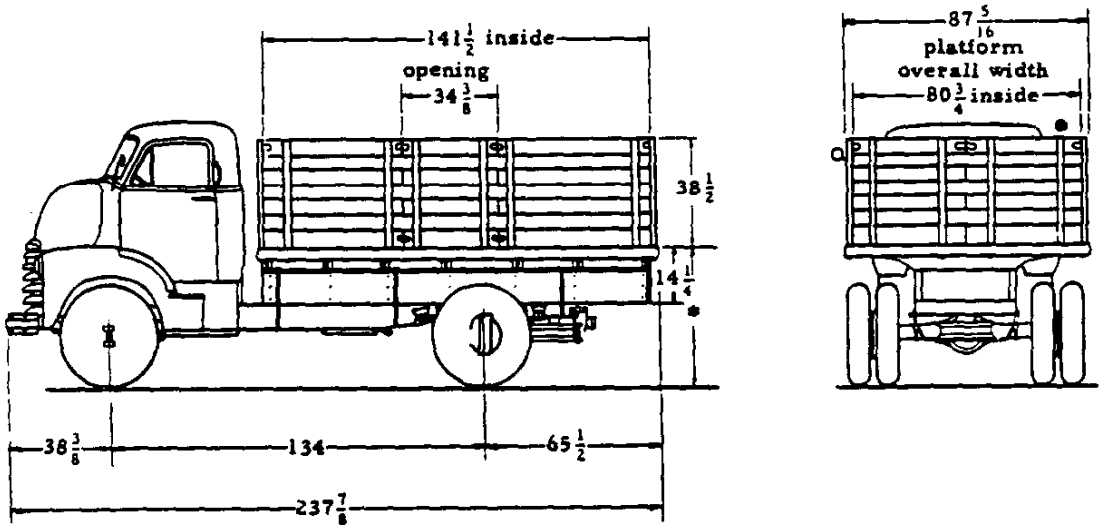
CHASSIS AND BODY DIMENSIONS

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



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	42-3/4	47-1/2	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	43	48-1/4	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	42-3/4	47-1/4	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	43	48-1/4	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	
5408 (S) ●	2785	2595	5380	2895	2690	5585	10300	6%	94%	148-1/16
5409 (S) ●	2790	2855	5645	2900	2950	5850	10100	6%	94%	141-1/2

● - Estimated weight

4-1-53. Revised: 7-1-53, ● - Body stakes added.

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; 2 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 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. Model 5409 is equipped with a 38-1/2 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-inch dia; vacuum-operated
BUMPER, FRONT ------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH -------- Diaphragm spring; single disc type; • 10-3/4 dia; 104.6 sq. in. area 220 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 sq. capacity •
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
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 ---------- 107 @ 3600 RPM
  GROSS TORQUE ---------- 192 ft lb @ 2000 RPM x
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 5 cross members
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 ---------- Semi-elliptic
  FRONT -- 11-leaf, 40 x 2; 2400 lb (ea) cap. at ground
  REAR
    MAIN ---------- 11-leaf, 46 x 2-1/2
    AUXILIARY ---------- 6-leaf, 31 x 2-1/2
    CAPACITY AT GROUND ---------- 7800 lb (ea)
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 ---- 7000 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

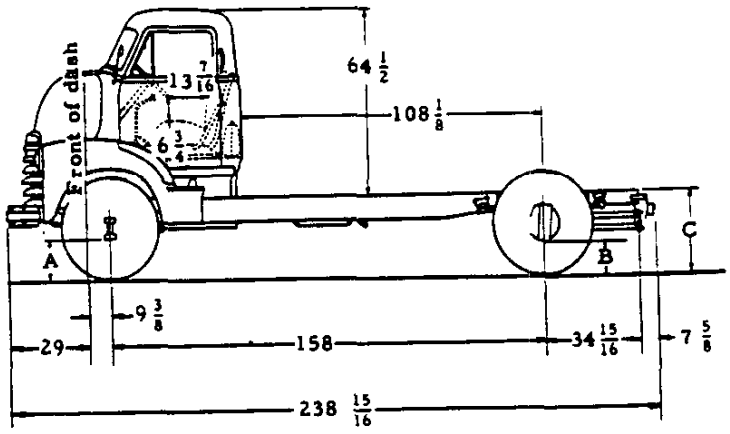
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios ----------	113R	202
COLORS, VEHICLE ----------	*	234
CORNER WINDOWS, CAB ----------	*	387
CRANKCASE VENTILATION: Filtered; vacuum-operated ----------	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output 40 or 50 amp ----------	*	326
GLASS EQUIPMENT, BODY ----------	*	399
GOVERNOR: Range 2300-3200 RPM ------	*	241
MIRROR, REAR VIEW: Long, RH --------	*	210
OIL FILTER: AC make; 2 qt. cap. ------	14F	237
PLATE, IDENTIFICATION: 1-1/2 Ton Special ----------	*	402
RADIATOR, HEAVY DUTY: 18 qt. cap. ---	*	256
SHOCK ABSORBERS: Dbl-act; lever type		
Front -- 1-1/2 diameter piston -------	24F	200
Rear --- 1-3/4 diameter piston -------	39R	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.)	6F,6R	281
TIRES, MAXIMUM: Front; 2900 lb (ea) cap.; 8.25-20-10pr ----------	39F	343
Dual rear; 3450 lb (ea) capacity; 9.00-20-10pr (RPO 291 mandatory) ---	190R	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) ---------	78R	291
7 wheels ----------	34F,77R	291

* - Weight is less than 10 pounds

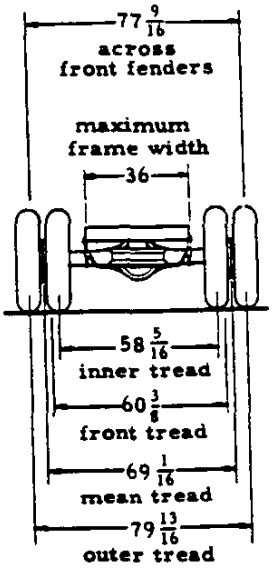
4-1-53. Revised: 7-1-53, • - Capacities increased. x - Gross torque corrected. ♦ - 40 amp generator heavy duty radiator; and rear springs added to optional equipment.

CHASSIS AND BODY DIMENSIONS

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



Seat in rear position adjustment $3\frac{3}{8}$



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12-1/32	10-1/4	33-1/8
Minimum for Max GVW	12	10-13/16	33-3/4

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)	2760	1940	4700	2875	2030	4905	11000	14%	86%	168
								10%	90%	180
								6%	94%	192

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

2 TON (1-1/2 Ton Special) NOMINAL RATING --- 158 WHEELBASE --- 16000 lb (Special, 15000 lb) MAXIMUM GVW

STANDARD EQUIPMENT

AIR CLEANER -- AC make; oil bath type; 2 qt 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-inch dia; vacuum-operated
BUMPER, FRONT -------- Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 16 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
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 ---------- 107 @ 3600 RPM
  GROSS TORQUE ---------- 196 ft lb @ 1000 RPM
FENDERS, COE TYPE ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 6 cross members
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-inch dia wheel
SUNSHADE ---------- Adjustable; for driver
TIRES ---------- Front and dual rear; 7.50-20-8 pr; 2375 lb (ea) capacity
TOOLS--- 7000 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

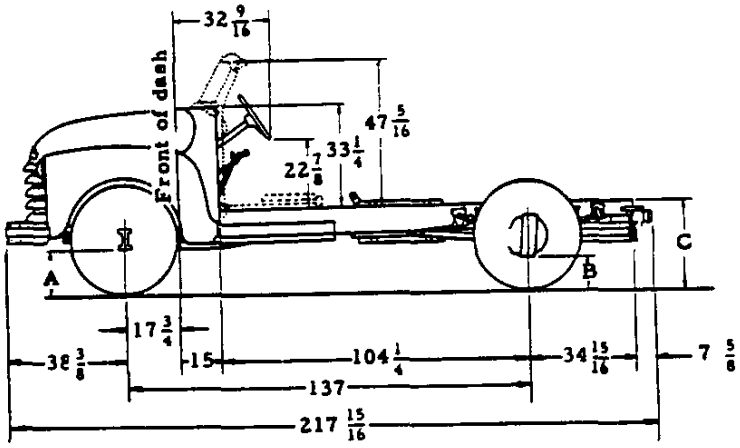
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios	114R	202
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB	*	387
CRANKCASE VENTILATION: Filtered; vacuum-operated	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output 50 amp generator	*	326
GLASS EQUIPMENT, BODY	*	399
GOVERNOR: Range 2300-3200 RPM	*	241
MIRROR, REAR VIEW: Short, RH or LH; Long, RH	*	210
OIL FILTER: AC make; 2 quart capacity	14F	237
PLATE, IDENTIFICATION: 1-1/2 Ton Special	*	402
SHOCK ABSORBERS: Front -- Double-acting; lever type; 1-1/2 diameter piston	24F	200
Rear -- Double-acting; lever type; 1-3/4 diameter piston	39R	200
SIDE DOOR KEY LOCK, LH	*	395
TANK, VACUUM RESERVE (1000 cu.in.)	6F, 6R	281
TIRES, MAXIMUM: Front; 8.25-20-10pr; 2900 lb (ea) capacity	39F	343
Dual rear; 9.00-20-10pr; 3450 lb (ea) cap. (RPO 291 mandatory)	157R	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)	78R	291
7 wheels	34F, 77R	291

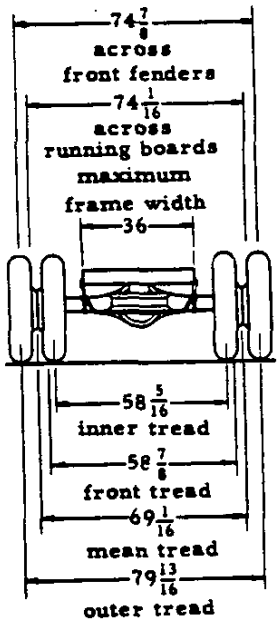
* - Weight is less than 10 pounds

4-1-53

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	12-1/16	10-1/4	33-3/4
Minimum for Max GVW	12-1/8	10-13/16	34-1/2

To determine loaded and unloaded height, 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) *	2180	1895	4075	2230	2055	4285	11600	Determined by style, length and weight of body		
6112 (S) *	2260	1905	4165	2310	2065	4375	11500			

* - Estimated weight

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 2.5; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
  BOOSTER (hydraulic) ----- Long stroke; 7-inch dia; vacuum-operated
BUMPER, FRONT ------- Rigid; channel-type; painted
CLUTCH --- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt capacity •
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ---------- Two
  PROPELLER SHAFT BRG SUPPORTS -------- One
  UNIVERSAL JOINTS ---------- Three
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
  GROSS HP ---------- 108 @ 3600 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 5 cross members
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-inch dia wheel
TIRES ---------- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS ------ 7000 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

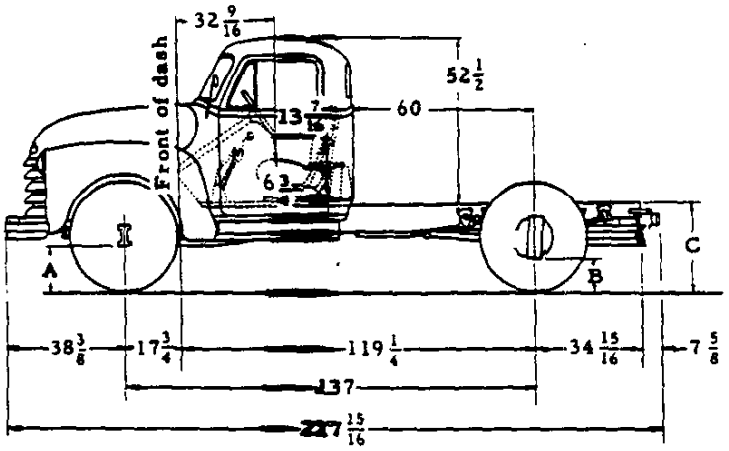
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios	113R	202
COLORS, VEHICLE	*	234
CRANKCASE VENTILATION: Filtered; vacuum-operated	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GOVERNOR: Range 2300-3200 RPM	*	241
OIL FILTER: AC, 1 and 2 qt cap.	15F	237 x
PLATE, IDENTIFICATION:		
1-1/2 Ton Special	*	402
RADIATOR, HEAVY DUTY: 18 qt cap.		256 •
SHOCK ABSORBERS, FRONT: Double-acting; lever type;		
1-1/2 diameter piston	24F	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:		
Front; 8.25-20-10pr;		
2900 lb (ea) capacity	39F	343
Dual rear; 9.00-20-10pr; 3450 lb (ea) cap.		
(RPO 291 mandatory)	157R	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)	78R	291
7 wheels	34F, 78R	291

* - Weight is less than 10 pounds

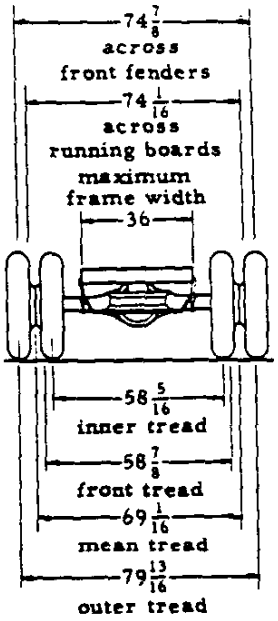
4-1-53. Revised: 7-1-53. • - Capacities increased. x - 1 quart filter added to option.

CHASSIS AND BODY DIMENSIONS

Model 6103 (6103S) Cab Chassis



Seat in rear position adjustment $3\frac{3}{8}$



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12-1/16	10-1/4	33-3/4
Minimum for Max GVW	12-1/16	10-13/16	34-1/2

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)	2470	2100	4570	2560	2215	4775	11200	7%	93%	96
								5%	95%	102
								3%	97%	108

MODEL 6103 (6103S) HEAVY DUTY CAB 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 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 2.5; 134 sq. in. area
    REAR --- 15 x 4; 241 sq. in. area
  BOOSTER (hydraulic) --- Long stroke; 7-inch dia; vacuum-operated
BUMPER, FRONT --- Rigid, channel-type; painted
CAB --- All-steel; welded; flexibly mounted
CLUTCH --- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE --- Juniper Green
COOLING SYSTEM --- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt capacity •
DISPATCH BOX --- 13-7/8 x 4-3/4 x 8-1/4
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 --- 108 @ 3600 RPM
  GROSS TORQUE --- 200 ft lb @ 2000 RPM
FENDERS --- Front only
FRAME --- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 5 cross members
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-inch dia wheel
SUNSHADE --- Adjustable; for driver
TIRES --- Front and dual rear; 7.50-20-8 pr; 2375 lb (ea) capacity
TOOLS --- 7000 lb capacity jack; tire changing iron; wheel wrench
TOOL BOX --- Under seat; 50 x 19 x o
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

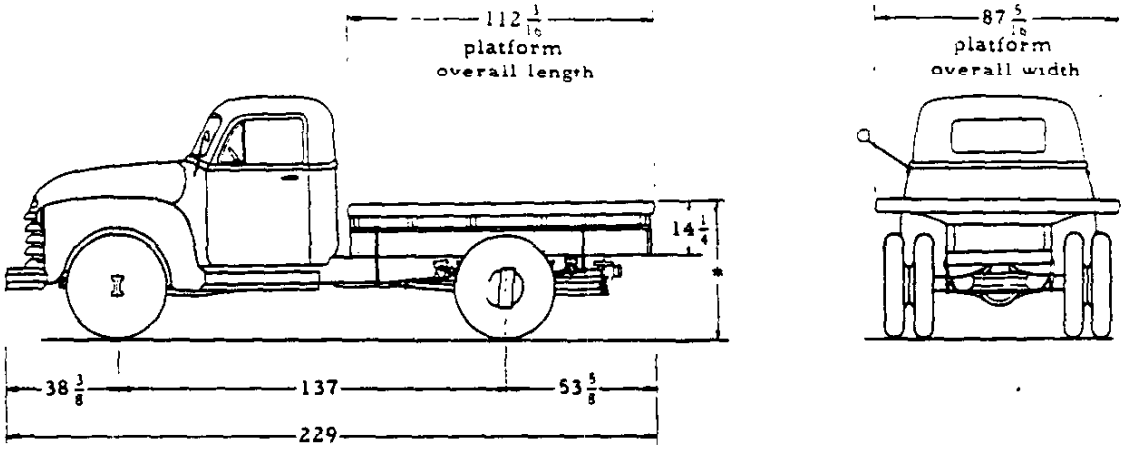
For model application see Option Section

	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios	113R	202
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB: Clear or tinted	*	387
CRANKCASE VENTILATION: Filtered; vacuum-operated	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 2300-3200 RPM	*	241
MIRROR, REAR VIEW: Short, RH or LH; long, RH	*	210
OIL FILTER: AC, 1 and 2 qt cap.	10F	237 x
PLATE, IDENTIFICATION: 1-1/2 Ton Special	*	402
RADIATOR, HEAVY DUTY: 18 qt cap.	*	256 •
SHOCK ABSORBERS, FRONT -- Double-acting; lever type; 1-1/2 diameter piston	24F	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		
Front; 8.25-20-10pr; 2900 lb (ea) cap.	39F	343
Dual rear; 9.00-20-10pr; 3450 lb (ea) cap. (RPO 291 mandatory)	157R	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)	78R	291
7 wheels	34F, 78R	291

* - Weight is less than 10 pounds

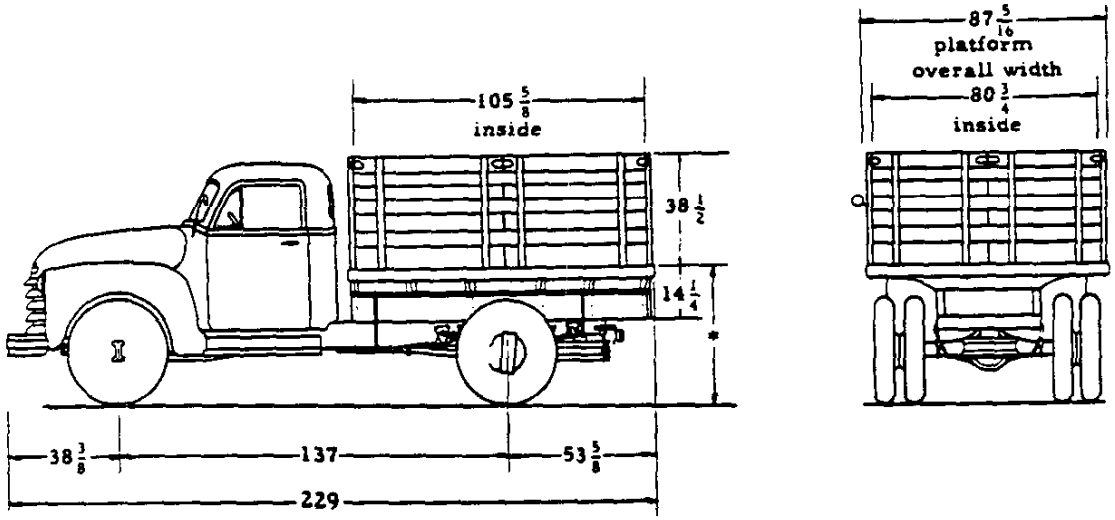
4-1-53. Revised: 7-1-53, • - Capacities increased. x - 1 quart filter added to option.

Model 6108 (6108S) Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	43-1/2	48-1/2	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	43-3/4	49-1/4	7.50-20-8pr	8.25-20-10pr dual

Model 6109 (6109S) Stake Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	43-1/2	48-1/4	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	43-3/4	49	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) ●	2465	2605	5070	2555	2720	5275	10700	1%	99%	112-3/16
6109 (S) ●	2475	2830	5305	2565	2945	5510	10400	1% ●	99% ●	105-5/8

● - Estimated weight

4-1-53. Revised: 7-1-53. ● - Load distribution 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 --- 16000 lb (Special, 15000 lb) 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. Entire platform is bound with a steel channel-type rub rail with stake pockets integrally formed. Steel cross sills and full length wood side sills.
Model 6109 is equipped with a 38-1/2 high stake rack.
BRAKES
PARKING --- Hand-operated on prop shaft; 35 sq. in.
SERVICE ----- Hydraulic type; 4-wheel; 375 sq. in.
FRONT ---------- 14 x 2.5; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BOOSTER (hydraulic) ----- Long stroke; 7-inch dia; vacuum-operated
BUMPER, FRONT ------ Rigid, channel-type; painted
CAB ---------- All steel; welded; flexibly mounted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt capacity •
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
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 ---------- 108 @ 3600 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 5 cross members
FUEL TANK ---------- Back of seat in cab; 17-1/2 gal capacity
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 -- 9-leaf, 40 x 2; 2200 lb (ea) cap. at ground
REAR
MAIN ---------- 11-leaf, 46 x 2-1/2
AUXILIARY ---------- 6-leaf; 31 x 2-1/2
CAPACITY AT GROUND ---------- 7800 lb (ea)
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 ---------- 7000 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

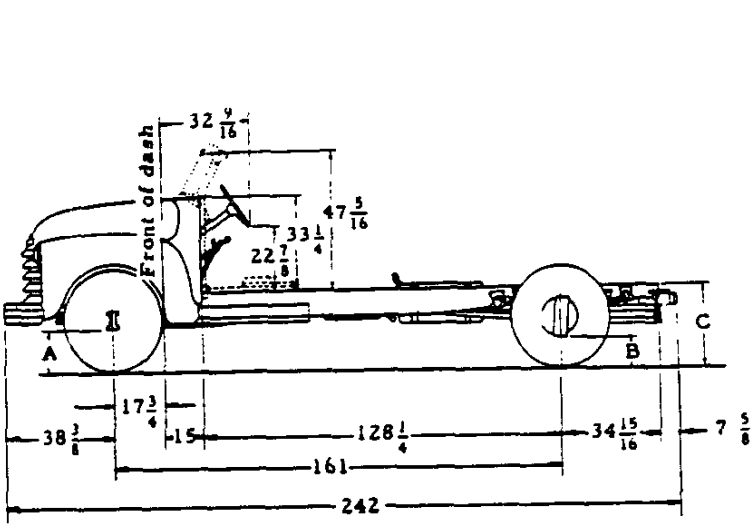
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios	113R	202
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB: Clear or tinted	*	387
CRANKCASE VENTILATION: Filtered; vacuum-operated	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR -- Range 2300 - 3200 RPM	*	241
MIRROR, REAR VIEW -- Long, RH	*	210
OIL FILTER -- AC make; 1 and 2 qt cap.	15F	237 x
PLATE, IDENTIFICATION 1-1/2 Ton Special	*	402
RADIATOR, HEAVY DUTY: 18 quart capacity	*	256 •
SHOCK ABSORBERS, FRONT Double-acting; lever type; 1-1/2 diameter piston	24F	200
SIDE DOOR KEY LOCK, LH	*	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 -- Front; 8.25-20-10pr; 2900 lb (ea) capacity	39F	343
Dual rear; 9.00-20-10pr; 3450 lb (ea) cap. (RPO 291 mandatory)	176R	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)	78R	291
7 wheels	34F,78R	291

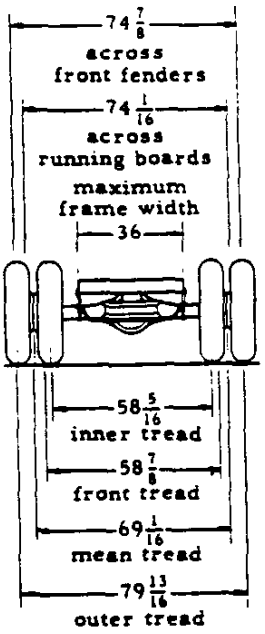
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Capacities increased. x - 1 quart tilter added to option.

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	12-1/8	10-1/4	33-3/4
Minimum for Max GVW	12-1/8	10-13/16	34-1/4

To determine loaded and unloaded height, 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)	2235	1965	4200	2300	2110	4410	11500	Determined by style, length and weight of body		
6412 (S)◊	2320	1925	4245	2385	2070	4455	11400			

◊ - Estimated weight

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-inch dia; vacuum-operated
BUMPER, FRONT ------- Rigid, channel-type; painted
CLUTCH - Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 16 qt capacity
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
  PROPELLER SHAFTS ---------- Two
  PROPELLER SHAFT BRG SUPPORTS --------- One
  UNIVERSAL JOINTS ---------- Three
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
  GROSS HP ---------- 108 @ 3600 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 6 cross members
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 ----- 7000 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

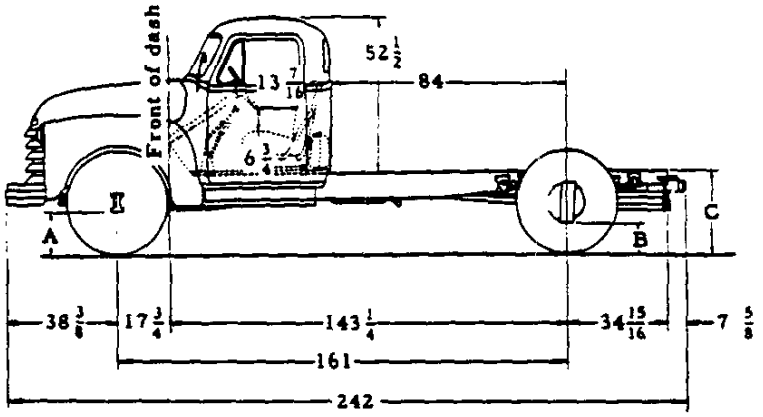
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios ----------	113R	202
COLORS, VEHICLE ----------	*	234
CRANKCASE VENTILATION: Filtered; vacuum-operated ----------	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp ----------	*	326
50 amp ----------	*	326
55 amp ----------	28F	326
GOVERNOR: Range 2300-3200 RPM ------	*	241
MIRROR, REAR VIEW: Long, LH -------	*	210
OIL FILTER: AC make; 1 and 2 qt cap. --	*	237 x
PLATE, IDENTIFICATION: 1-1/2 Ton Special ----------	*	402
RADIATOR: HD, 3 IN. CORE Capacity 18 quarts ----------	*	256 •
SHOCK ABSORBERS, FRONT: Double-acting; lever type; 1-1/2 diameter piston ----------	24F	200
SPRINGS, REAR: Two-stage; 11-leaf; 5600 lb (ea) capacity at ground--Minus	75F	268
TANK, VACUUM RESERVE: (1000 cu. in. capacity) ----------	6F, 6R	281
TIRES, MAXIMUM: Front; 8.25-20-10 pr; 2900 lb (ea) capacity ----------	39F	343
Dual rear; 9.00-20-10pr; 3450 lb (ea) capacity (RPO 291 mandatory) ----------	157R	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) -------	78R	291
7 wheels ----------	34F, 77R	291

* - Weight is less than 10 pounds

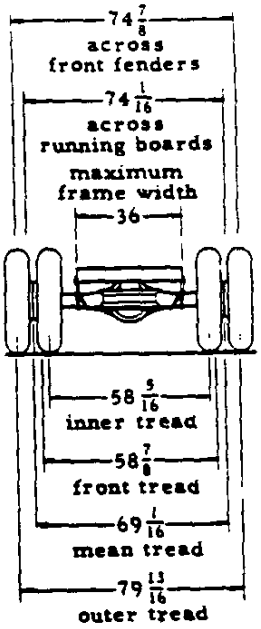
4-1-53. Revised: 7-1-53. • - Capacities increased. x - 1 quart filter added to option.

CHASSIS AND BODY DIMENSIONS

Model 6403 (6403S) Cab Chassis



Seat in rear position adjustment $3\frac{3}{8}$



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12-1/16	10-1/4	33-3/4
Minimum for Max GVW	12-1/16	10-13/16	34-1/4

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	
6403 (S)	2530	2090	4620	2625	2200	4825	11100	14%	86%	120
								10%	90%	132
								6%	94%	144

MODEL 6403 (64035) 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-inch dia; vacuum-operated
BUMPER, FRONT ------ Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH--Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbon cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt capacity •
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
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 ---------- 108 @ 3600 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 6 cross members
FUEL TANK ---------- Back of seat in cab; 17-1/2 gal capacity
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 -- 9-leaf, 40 x 2; 2200 lb (ea) cap. at ground
  REAR
    MAIN ---------- 11-leaf, 46 x 2-1/2
    AUXILIARY ---------- 6-leaf, 31 x 2-1/2
    CAPACITY AT GROUND ---------- 7800 lb (ea)
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 ----- 7000 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 ---------- Cowl mounted; dual wipers

OPTIONAL EQUIPMENT

For model application see Option Section

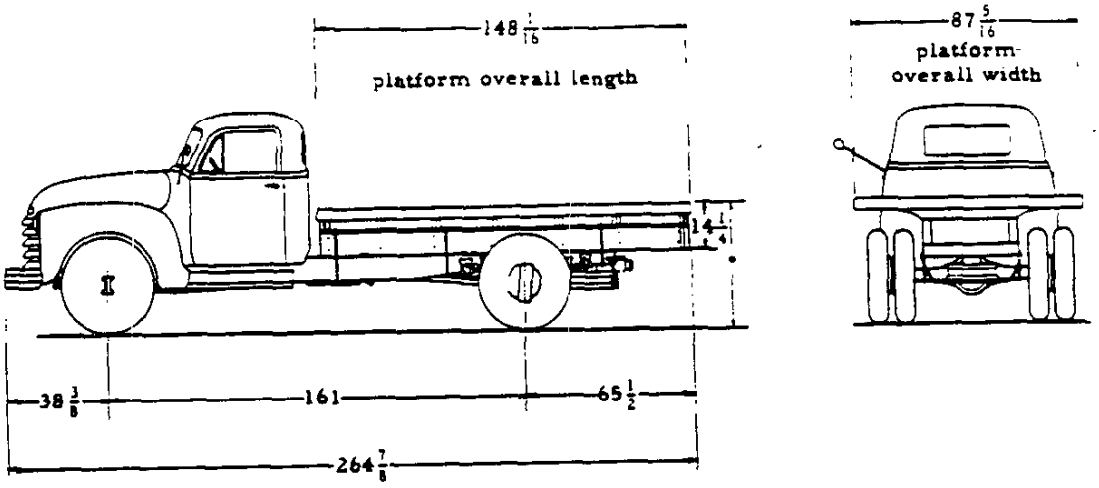
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios ----------	113R	202
COLORS, VEHICLE ----------	*	234
CORNER WINDOWS, CAB ----------	*	387
CRANKCASE VENTILATION: Filtered; vacuum-operated ----------	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp ----------	*	326
50 amp ----------	*	326
55 amp ----------	28F	326
GLASS EQUIPMENT, BODY: Tinted -----	*	399
GOVERNOR:		
Range 2300-3200 RPM ----------	*	241
MIRROR, REAR VIEW: Short, RH or LH; Long, RH ----------	*	210
OIL FILTER: AC make; 1 and 2 qt cap. --	*	237 x
PLATE: IDENTIFICATION: 1-1/2 Ton Special ----------	*	402
RADIATOR, HD 3 in. core: Capacity; 18 quarts ----------	*	256 •
SHOCK ABSORBERS, FRONT: Dbl-acting; lever type; 1-1/2 diameter piston -----	24F	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.)	6F, 6R	281
TIRES, MAXIMUM: Front; 8.25-20-10pr; 2900 lb (ea) capacity ----------	39F	343
Dual rear; 9.00-20-10pr; 3450 lb (ea) cap. (RPO 291 mandatory) ----------	157R	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) --------	78R	291
7 wheels ----------	34F, 77R	291

* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Capacities increased. x - 1 quart filter added to option.

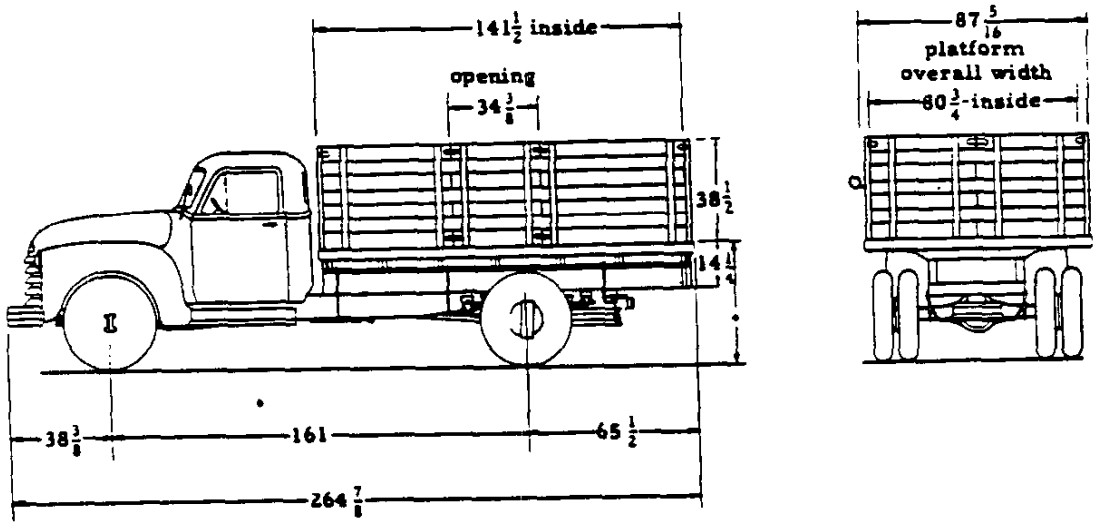
CHASSIS AND BODY DIMENSIONS

Model 6408 (6408S) Platform Truck



Equipment	*Platform Height		Tires	
	Loaded	Unloaded	Front	Rear
Standard	44	48-1/2	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	44-1/4	49-1/4	7.50-20-8pr	8.25-20-10pr dual

Model 6409 (6409S) Stake Truck



Equipment	*Platform Heights		Tires	
	Loaded	Unloaded	Front	Rear
Standard	44	48-1/4	7.50-20-8pr	7.50-20-8pr dual
Minimum for Max GVW	44-1/4	49-1/4	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)	2570	2705	5275	2665	2815	5480	10400	5%	95%	148-1/16
6409 (S)	2615	2990	5605	2710	3100	5810	10100	5%	95%	141-1/2

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. Entire platform is bound by steel channel-type rub rail with stake pockets integrally formed. Steel cross sills and full length wood side sills. 6409 is equipped with 38-1/2 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-inch dia; vacuum-operated
BUMPER, FRONT --- Rigid, channel-type; painted
CAB --- All-steel; welded; flexibly mounted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE --- Juniper Green
COOLING SYSTEM --- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt capacity •
DISPATCH BOX --- 13-7/8 x 4-3/4 x 8-1/4
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 --- 108 @ 3600 RPM
  GROSS TORQUE --- 200 ft lb @ 2000 RPM
FENDERS --- Front only
FRAME --- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 6 cross members
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-inch dia wheel
SUNSHADE --- Adjustable; for driver
TIRES --- Front and dual rear; 7.50-20-8pr; 2375 lb (ea) capacity
TOOLS --- 7000 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

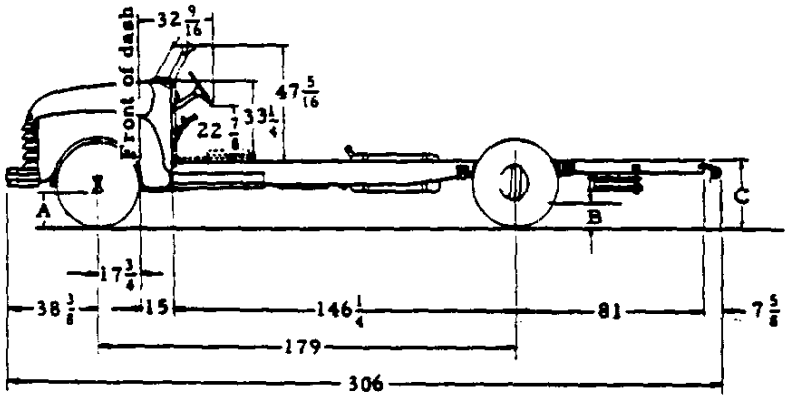
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios	113R	202
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB	*	387
CRANKCASE VENTILATION: Filtered; vacuum-operated	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GLASS EQUIPMENT, BODY: Tinted	*	399
GOVERNOR: Range 2300-2600 RPM	*	241
MIRROR, Rear view: long, LH	*	210
OIL FILTER: AC make; 1 and 2 qt. cap.	*	237 x
PLATE, IDENTIFICATION:		
1-1/2 Ton Special	*	402
RADIATOR, HEAVY DUTY; 3 IN. CORE Capacity 18 quarts	*	256 •
SHOCK ABSORBERS, FRONT: Double-acting; lever type;		
1-1/2 diameter piston	24F	200
SIDE DOOR KEY LOCK, LH	*	395
SPRINGS, REAR: Two-stage; 11-leaf; 5600 lb (ea) cap. at ground	Minus 25R	268
TANK, VACUUM RESERVE (1000 cu.in.)	6F, 6R	281
TIRES, MAXIMUM: Front; 8.25-20-10pr; 2900 lb (ea) capacity	39F	343
DUAL REAR: 9.00-20-10pr; 3450 lb (ea) cap. (RPO 291 mandatory)	181R	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)	78R	291
7 wheels	34F, 77R	291

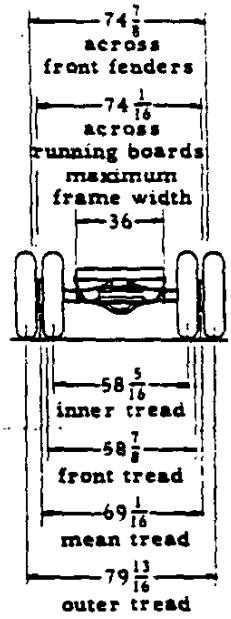
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Capacities increased. x - 1 quart filter added to option.

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	12-1/16	10-3/16	34-3/4
Minimum for Max GVW	12-1/16	10-13/16	35-1/2

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) θ	2235	2085	4320	2300	2230	4530	11400	Determined by style, length and weight of body		
6512 (S) θ	2310	2065	4375	2375	2210	4585	11300			

θ - Estimated weight

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 2.5; 134 sq. in. area
  - REAR ---------- 15 x 4; 241 sq. in. area
- BOOSTER (hydraulic) ----- Long stroke; 7-inch dia; vacuum-operated

BUMPER, FRONT ------ Rigid, channel-type; painted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt capacity •
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
DRIVE SYSTEM ---------- Hotchkiss
- PROPELLOR SHAFTS ---------- Three
- PROPELLOR SHAFT BRG SUPPORTS -------- Two
- UNIVERSAL JOINTS ---------- Four

ENGINE ---------- Loadmaster; 235.5 cu. in. displ
- GROSS HP ---------- 108 @ 3600 RPM
- GROSS TORQUE ---------- 200 ft lb @ 2000 RPM

FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 7 cross members
FUEL TANK --------- Outside of frame on right side; 18 gallon capacity
GENERATOR ---------- 45 amp maximum rating
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; 27.7o ratio; 18-inch dia wheel
TIRES ---------- Front and dual rear; 7.50-20-6pr; 2375 lb (ea) capacity
TOOLS ------ 7000 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 side
VENTILATOR ---------- Top of cowl
WHEELS ---------- 7; wide-base rim; 20 x 6.0
WINDSHIELD WIPERS (6512 only)--Dual, cowl mounted

OPTIONAL EQUIPMENT

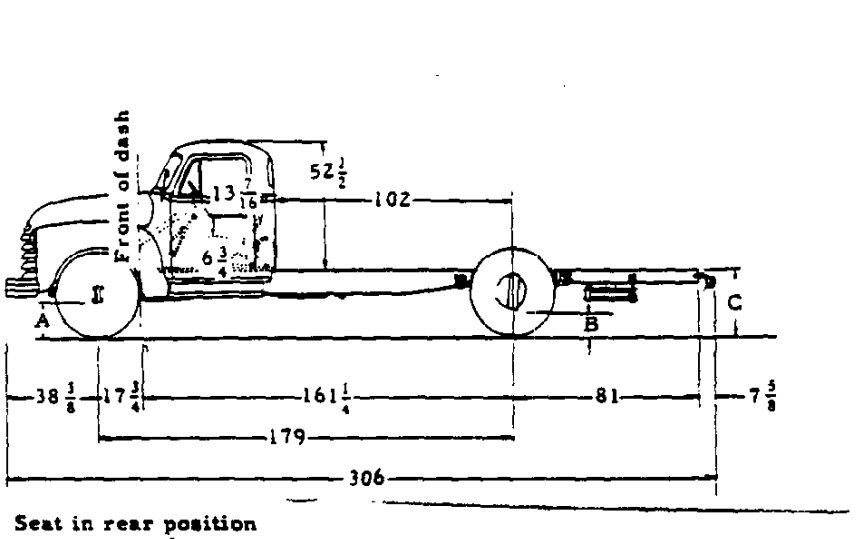
For model application see Option Section

	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios	113R	202
COLORS, VEHICLE	*	234
CRANKCASE VENTILATION: Filtered; vacuum-operated	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp	*	326
50 amp	*	326
55 amp	28F	326
GOVERNOR: Range 2300-3200 RPM	*	241
OIL FILTER: AC make; 1 and 2 quart cap.	0F	237 x
PLATE, IDENTIFICATION: 1-1/2 Ton Special	*	402
RADIATOR, HEAVY DUTY: 18 qt. cap	*	25o •
SHOCK ABSORBERS, FRONT: Dbl-acting; lever type; 1-1/2 diameter piston	24F	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 -- Front; 8.25-20-10pr; 2900 lb (ea) capacity	39F	343
Dual rear; 9.00-20-10pr; 3450 lb (ea) cap. (RPO 291 mandatory)	156R	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)	78R	291
7 wheels	34F,78R	291

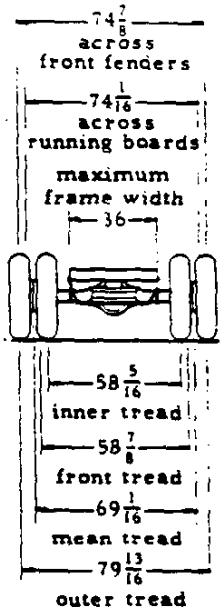
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Capacities increased. x - 1 quart filter added to option.

Model 6503 (6503S) Cab Chassis



Seat in rear position adjustment $3\frac{3}{8}$



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12-1/16	10-3/16	34-3/4
Minimum for Max GVW	12-1/16	10-3/4	35-1/2

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)	2565	2205	4770	2660	2315	4975	11000	9%	91%	168
								6%	94%	180
								2%	98%	192

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 2.5; 134 sq. in. area
    REAR ---------- 15 x 4; 241 sq. in. area
  BOOSTER (hydraulic) -- Long stroke; 7-inch dia; vacuum-operated
BUMPER, FRONT ------ Rigid, channel-type; painted
CAB ---------- All-steel; welded; flexibly mounted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt capacity •
DISPATCH BOX ---------- 13-7/8 x 4-3/4 x 8-1/4
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 ---------- 108 @ 3600 RPM
  GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME ---------- Ladder type; channel side rails; 8-7/8 x 2-7/8 x 1/4; 8.80 cu. in. section modulus; 7 cross members
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 ---- 7000 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

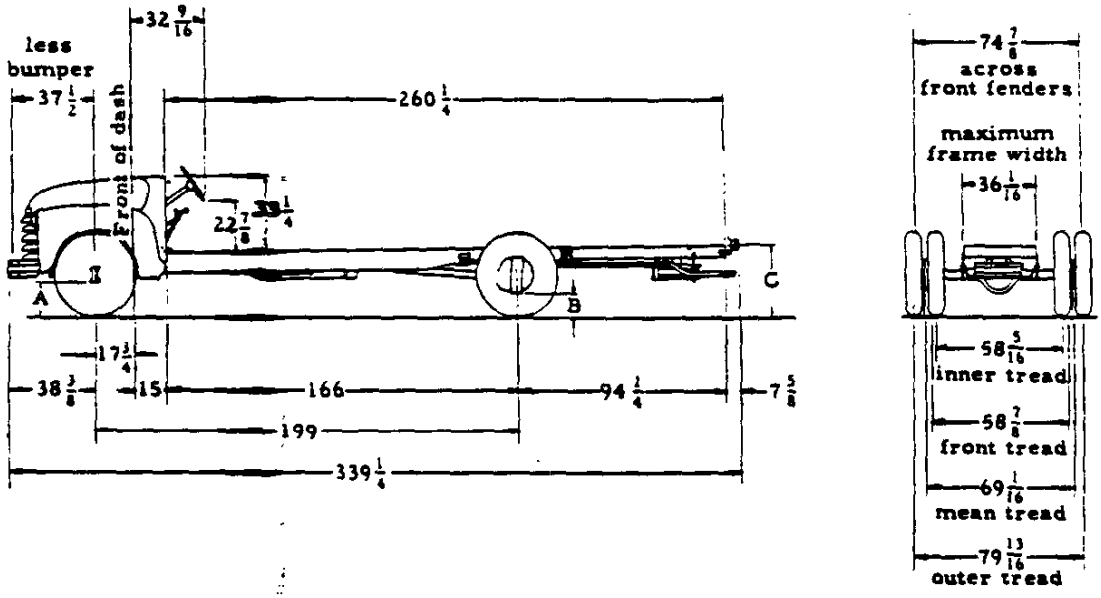
For model application see Option Section

	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios ----------	113R	202
COLORS, VEHICLE ----------	*	234
CORNER WINDOWS, CAB: Clear or tinted ----------	*	387
CRANKCASE VENTILATION: Filtered; vacuum-operated ----------	*	217
GENERATOR: Including voltage and current regulator, and pulley for high output		
40 amp ----------	*	326
50 amp ----------	*	326
55 amp ----------	28F	326
GLASS EQUIPMENT, BODY: Tinted---	*	399
GOVERNOR: Range 2300-3200 RPM---	*	241
MIRROR, REAR VIEW:		
Short, RH or LH; long, RH---------	*	210
OIL FILTER:		
AC make; 1 and 2 quart cap. ----- ---	10F	237 x
PLATE, IDENTIFICATION: 1-1/2 Ton Special ----------	*	402
RADIATOR, HEAVY DUTY: 18 qt. cap. -	*	256 •
SHOCK ABSORBERS, FRONT -- Double-acting; lever type; 1-1/2 diameter piston ------	24F	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		
Front; 8.25-20-10pr; 2900 lb (ea) capacity ----------	39F	343
Dual rear; 9.00-20-10pr; 3450 lb (ea) cap. (RPO 291 mandatory) ----------	156R	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) ---------	78R	291
7 wheels ----------	34F,78R	291

* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Capacities increased. x - 1 quart filter added to option.

Model 6702 School Bus Flat Face Cowl Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	12-1/8	10-3/16	37-1/2
Minimum for Max GVW	12-1/8	10-3/4	38-1/2

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	
6702	2310	2115	4425	2420	2290	4710	11300	Determined by style, length and weight of body		

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 2.5; 134 sq. in. area
REAR ---------- 15 x 4; 241 sq. in. area
BOOSTER (hydraulic) ------ Long stroke; 7-inch dia; vacuum-operated
BUMPER, FRONT------ Rigid, channel-type; painted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt 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 ---------- 108 @ 3600 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME --------- Ladder type; channel side rails; 8-15/16 x 2-29/32 x 9/32; 9.60 cu. in. section modulus; 9 cross members
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; 7.50-20-8 pr; 2375 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 6.0

OPTIONAL EQUIPMENT

For model application see Option Section

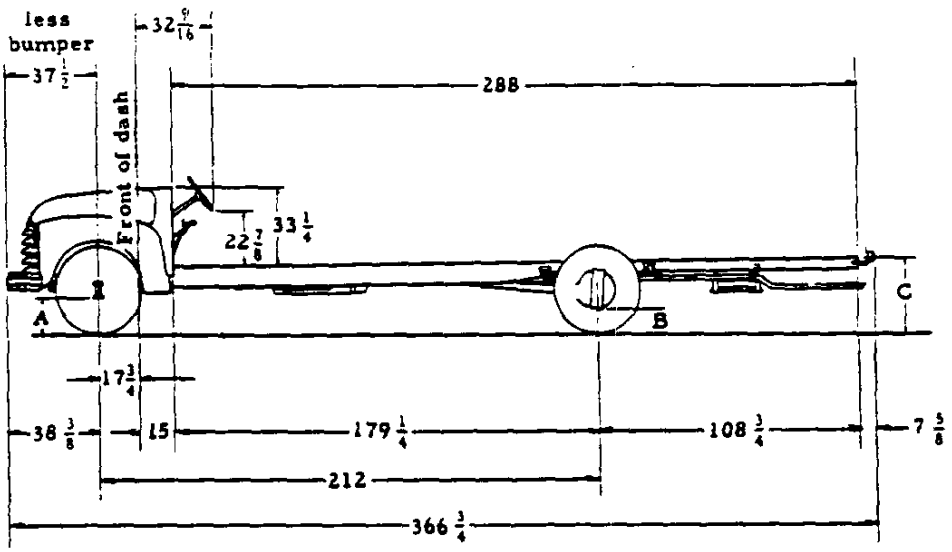
	Wt	Number
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios ----------	114R	202
COLORS, VEHICLE ----------	*	234
CRANKCASE VENTILATION -- Filtered; vacuum-operated ----------	*	217
GENERATOR -- With voltage and current regulator, and pulley for high output		
40 amp ----------	*	326
50 amp ----------	*	326
55 amp ----------	28F	326
OIL FILTER: AC make; 1 and 2 quart cap.	10F	237 x
RADIATOR, HEAVY DUTY: 18 qt. cap. --	*	256 ♦
SHOCK ABSORBERS:		
Front -- Double-acting; lever type 1-1/2 diameter piston ----------	24F	200
Rear -- Double-acting; lever type 1-3/4 diameter piston ----------	39R	200
TANK, VACUUM RESERVE (1000 cu.in.)	6F, 6R	281
TIRES, MAXIMUM -- *Front* and dual rear; 8.25-20-12pr; 3150 lb (ea) cap. ---	60F, 121R	344
VACUUM BOOSTER AND FUEL PUMP --	*	340
WHEELS (20 x 6.5) for 8.25 x 20 tires		
5 wheels (for fleet users only) ----------	78R	291
7 wheels ----------	34F, 78R	291

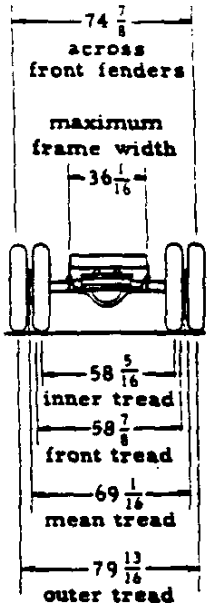
* - Weight is less than 10 pounds

4-1-53. Revised: 7-1-53. • - Capacities increased. x - 1 quart filter added to option.
♦ - HD radiator added to option.

CHASSIS AND BODY DIMENSIONS

Model 6802 School Bus Flat Face Cowl Chassis





Equipment	Height Without Body and Payload		
	A	B	C
Standard	12-1/16	10-3/16	37-1/2
Minimum for Max GVW	12-1/8	10-13/16	38-1/2

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	
6802	2315	2135	4450	2430	2305	4735	11300	*Determined by style, length and weight of body*		

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 2.5; 134 sq.in. area
REAR ---------- 15 x 4; 241 sq.in. area
BOOSTER (hydraulic) ----- Long stroke; 7-inch dia; vacuum-operated
BUMPER, FRONT------ Rigid, channel-type; painted
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 220 ft lb capacity •
COLOR, BASIC VEHICLE ---------- Juniper Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 376 sq. in. frontal area; 4 lb pressure cap; 17 qt 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 ---------- 108 @ 3600 RPM
GROSS TORQUE ---------- 200 ft lb @ 2000 RPM
FENDERS ---------- Front only
FRAME --------- Ladder type; channel side rails; 8-15/16 x 2-29/32 x 9/32; 9.60 cu.in. section modulus; 9 cross members
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 ------ 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 6.0

OPTIONAL EQUIPMENT

For model application see Option Section

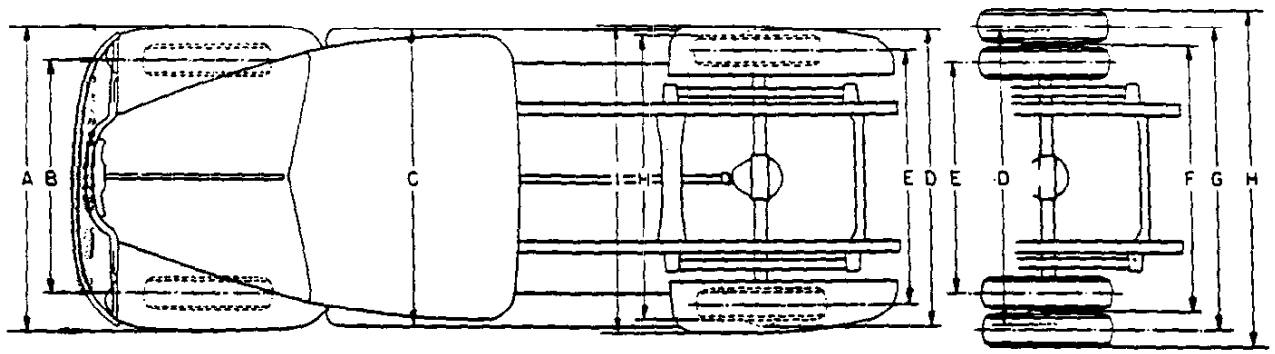
	Wt	Number	
AXLE, 2-SPEED REAR: Full-floating; 13000 lb capacity; Hypoid primary gears; 6.13 and 8.10 ratios ----------	114R	202	
COLORS, VEHICLE ----------	*	234	
CRANKCASE VENTILATION -- Filtered; vacuum-operated ----------	*	217	
GENERATOR -- With voltage and current regulator, and pulley for high output			
40 amp ----------	*	326	
50 amp ----------	*	326	
55 amp ----------	28F	326	
OIL FILTER: AC make; 1 and 2 quart cap.	10F	237	x
RADIATOR, HEAVY DUTY: 18 qt. cap. --	*	256	♦

	Wt	Number
SHOCK ABSORBERS:		
Front -- Double-acting; lever type; 1-1/2 diameter piston ----------	*	200
Rear -- Double-acting; lever type; 1-3/4 diameter piston ----------	39R	200
TANK, VACUUM RESERVE (1000 cu.in.)	6F, 6R	281
TIRES, MAXIMUM -- Front and dual rear; 8.25-20-12pr; 3150 lb (ea) cap. ---	60F, 121R	344
VACUUM BOOSTER AND FUEL PUMP ---	*	340
WHEELS (20 x 6.5)		
For 8.25 x 20 tires,		
5 wheels (for fleet users only) ----------	78R	291
7 wheels ----------	34F, 78R	

* - Weight is less than 10 pounds.

4-1-53. Revised: 7-1-53, • - Capacities increased. x - 1 quart filter added to option. ♦ - HD radiator added.

CHASSIS TREADS AND OVERALL WIDTHS

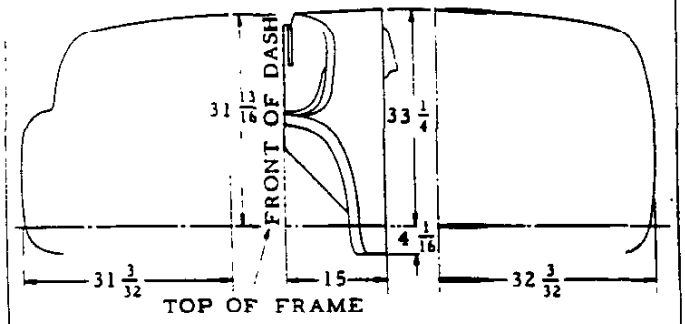


Tires	Models	A Across Front Fenders	B Front Wheel Tread	C Across Running Boards	D Over Rear Hubs Or Hub Caps	E Inner Wheel Tread	F Dual Mean Tread	G Outer Wheel Tread	H Over Rear Tires	I Over Rear Fenders
6.00-16	3100	72-5/8	56-3/4	72-15/16	69-3/4	61			67-1/4	74-1/2
6.50-16									67-3/4	
15-6pr			57-7/8		70-3/4	62-1/8			69-3/4	
	3600		57-1/8		72-1/8	62-3/8			70	
7.00-17			56-1/2			61-3/4			69-3/8	
7.50-17									69-3/4	
15-6pr	3700		62			62-3/8			70	
7.00-17			61-3/8			61-3/4			69-3/8	
7.50-17									69-3/4	
7.00-17	3800	72-5/8	56-1/2	72-15/16					69-3/8	75-1/4 3805-07; 74-1/2, 3804
7.50-17									69-3/4	
7.00-18	3802-03-08-09-12		56-15/16		70-15/16	54-1/8	63-1/4	72-3/8	80	
7.00-17	3900		61-3/8		72-1/8	61-3/4			69-3/8	
7.50-17									69-5/8	
7.00-18			61-13/16		70-15/16	54-1/8	63-1/4	72-3/8	80	
6.50-20	4100 4400	74-7/8	60	74-1/16	77-1/4	57	66-1/2	76	83-1/4	
7.00-20									83-5/8	
7.50-20			56-1/4 •			55-7/8	66-5/8	77-3/8	85-3/4	
6.50-20	4502		54-3/4 •			57	66-1/2	76	83-1/4	
7.00-20			54-3/4 •						83-5/8	
7.50-20	5000	77-9/16	60-3/8	77-7/16	79-5/8	58-5/16	69-1/16	79-13/16	88-1/8	
8.25-20									88-7/8	
7.50-20	6100 6400 6500	74-7/8	58-7/8	74-1/16					88-1/8	
8.25-20									88-7/8	
7.50-20	6702								88-1/8	
8.25-20	6802								88-7/8	
8.25-20 Front 9.00-20 Rear x	5000	77-9/16	60-3/8	77-7/16		57-13/16		80-5/16	90-1/4	
	6100 6400 6500	74-7/8	58-5/8	74-1/16						

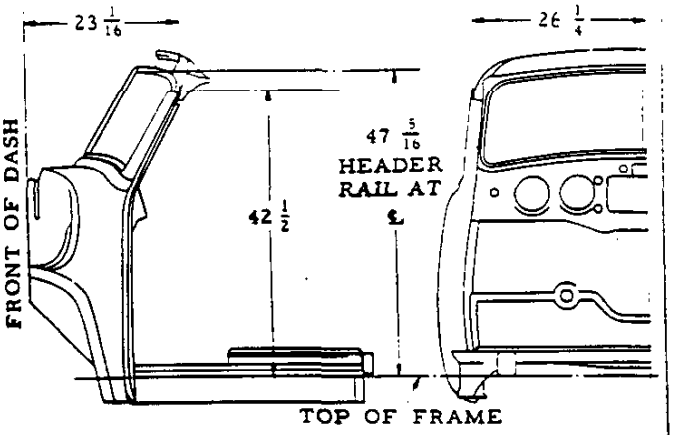
4-1-53. Revised: 7-1-53, • - New axle I-beam changes tread. x - Tire size corrected.

COWL DIMENSIONS

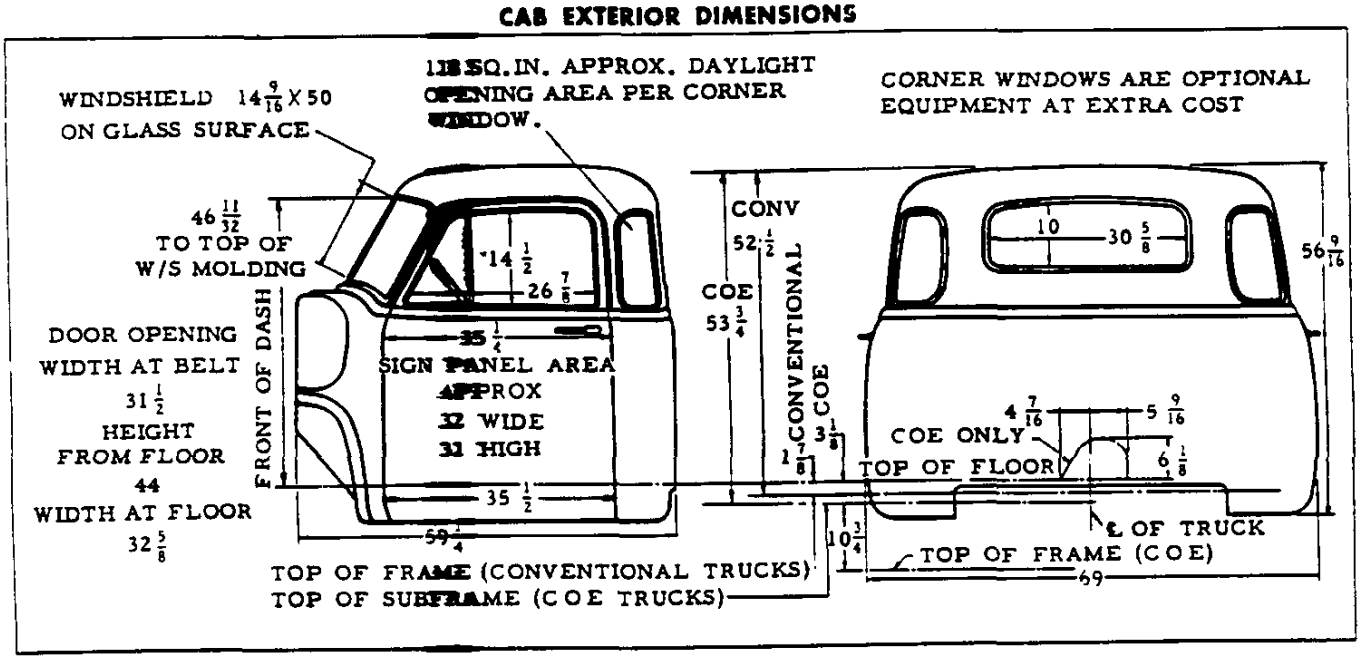
FLAT FACE COWL UNIT



COWL AND WINDSHIELD UNIT

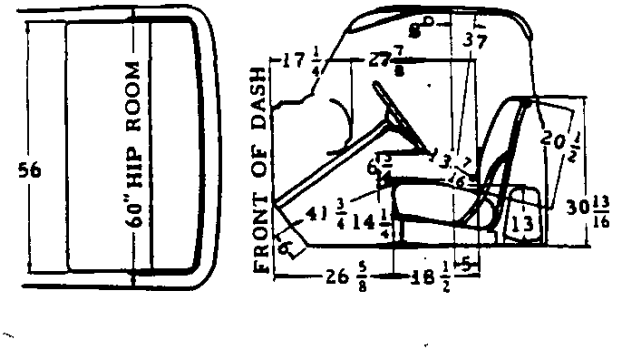


CAB EXTERIOR DIMENSIONS



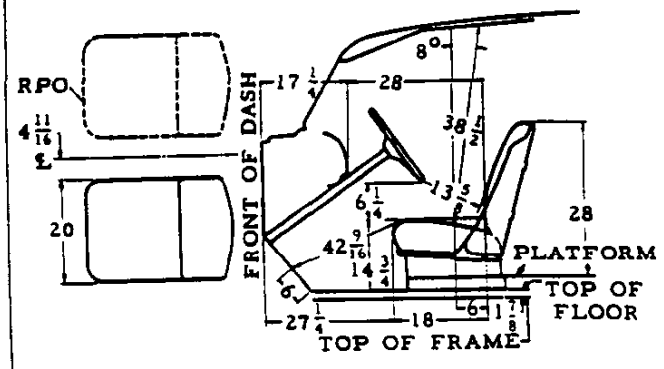
DRIVER COMPARTMENT AND SEAT DIMENSIONS

CAB



SEAT IN REAR POSITION 3 3/8" ADJUSTMENT

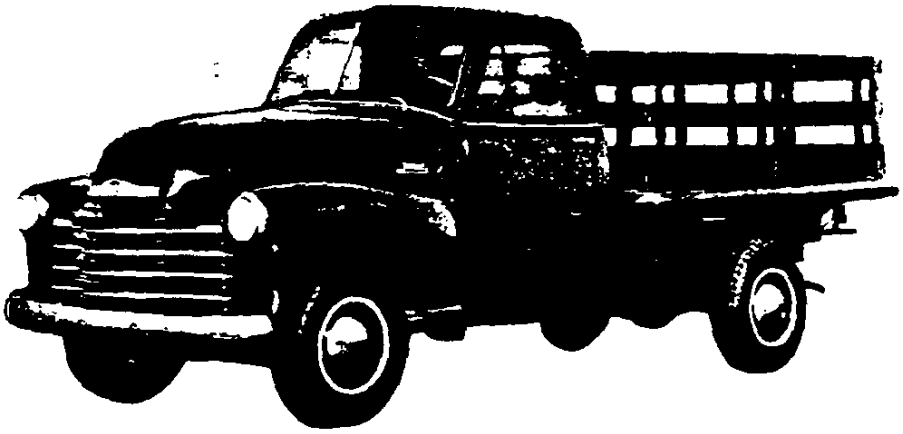
PANEL AND CANOPY EXPRESS



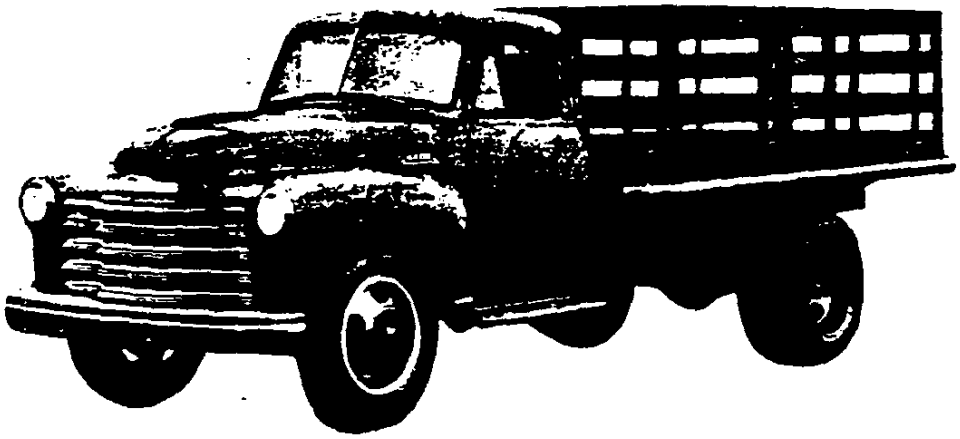
SEAT IN REAR POSITION 3" ADJUSTMENT

EXTERIOR APPEARANCE AND COLORS

Light Duty Trucks



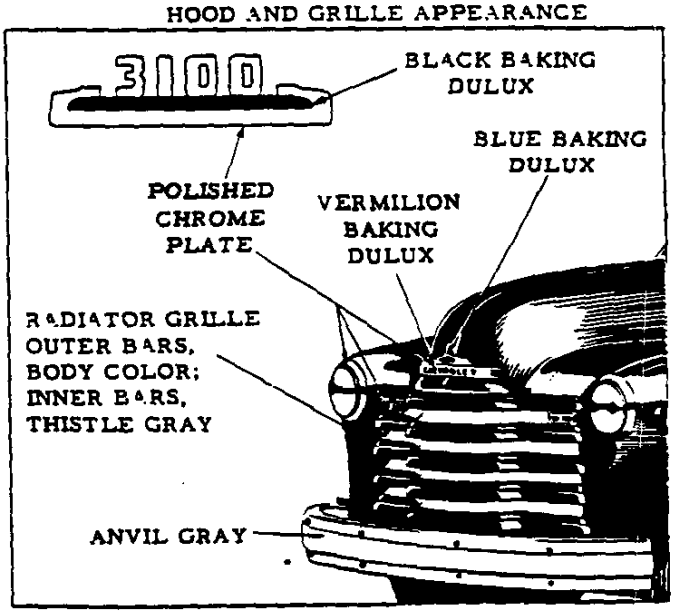
Heavy Duty Trucks



PAINT COLOR COMBINATIONS

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

HOOD AND GRILLE APPEARANCE

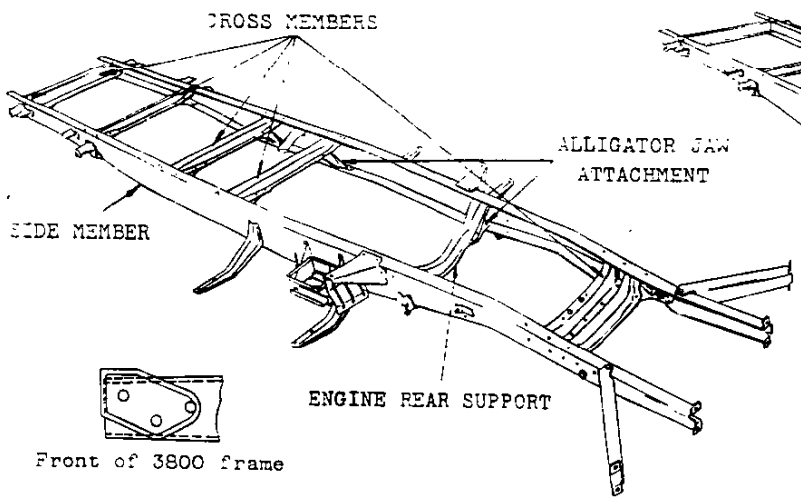


TYPES OF PAINT

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

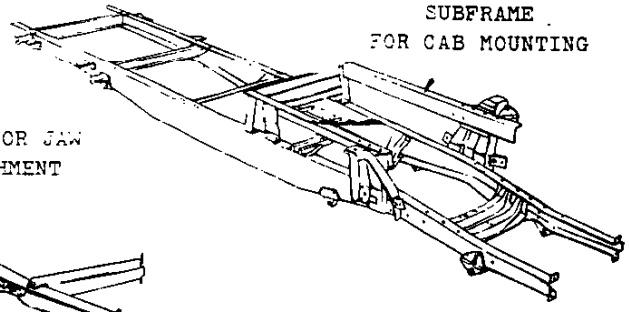
4-1-53. Revised: 7-1-53. • – Omaha Orange replaces Burgundy Maroon.

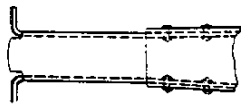
CONVENTIONAL TYPE OF FRAME



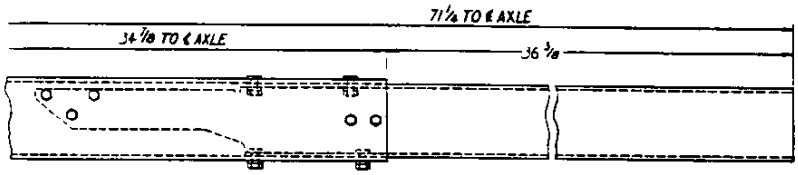
Front of 3800 frame

CAB-OVER-ENGINE TYPE OF FRAME





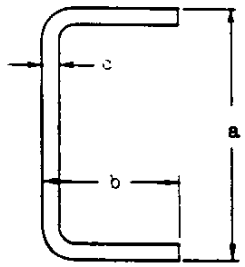
Front of 4100 frame showing extension



Frame rear extension on 4502

MODEL		Wheel-base	Frame overall length*	Width over side members	Number of cross members◎	Section modulus≡
CONVENTIONAL	3100	116	173-1/8	46-1/32 at rear	5	2.46
	3600	125-1/4	182-5/16	36		3.25
	3700		195-5/16			
	3800	137	213-1/16			5.52
	3900		214-5/8			
	4100		221-3/16			
	4400	161	233-7/16		6	8.80
	6100 ⊕	137	209-7/16		5	
	6400	161	233-7/16		6	
	6500	179	297-1/2		7	
SCHOOL BUS	4502	161	269-3/4		8	
	6702	199	330-3/4	36-1/16	9	9.60
	6802	212	358-1/4			
COE	5100	110	182-7/16	36	5	8.80
	5400	134	206-7/16			
	5700	158	230-7/16		6	

Frame type ---------- Ladder
Side member data:
Section type ---------- Channel
Kickup height, at rear axle ---------
------ 4 on 3100; 1-3/4 on 3600, 3700
Material --- Hot rolled steel, pickled
Yield point --------- 39000 PSI (min)
Elongation -------- 25% in two inches

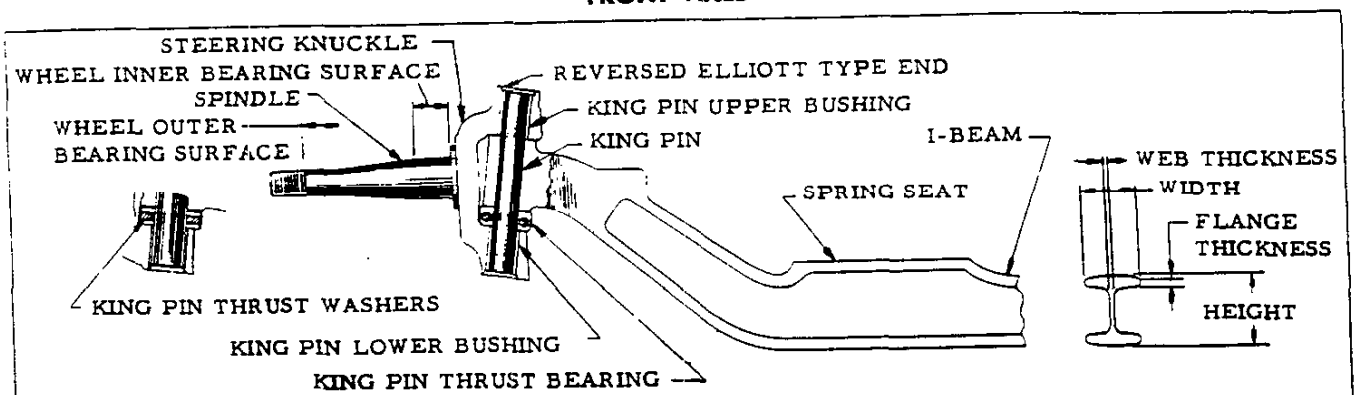


SERIES	Max sectional dimensions		
	a	b	c
3100	5-3/4	2-1/4	9/64
3600,3700	5-27/32		3/16
3800,3900,4100	7	2-3/4	7/32
4400,4500,5000, 6100,6400,6500⊼	8-7/8	2-7/8	1/4
6700,6800	8-15/16	2-29/32	9/32

* - 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.
⊼ - Used on 4100 with Heavy Duty Equipment

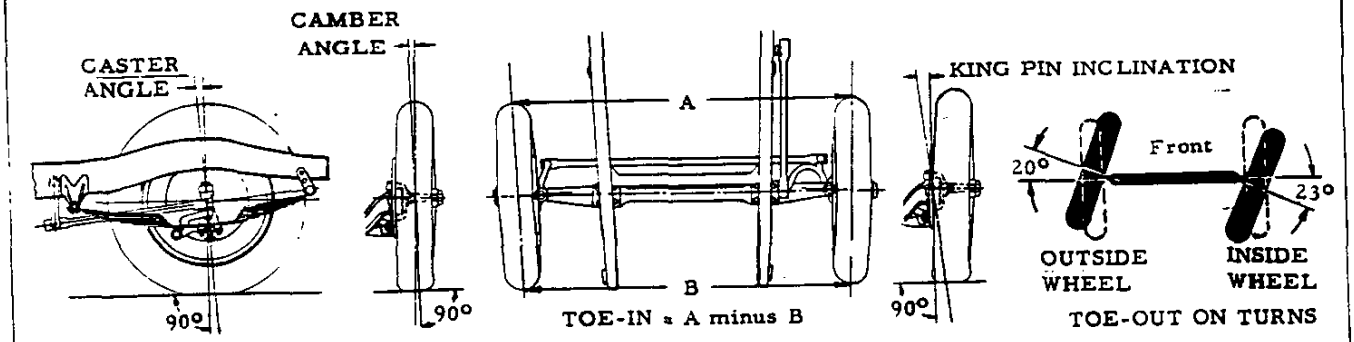
4-1-53

FRONT AXLE



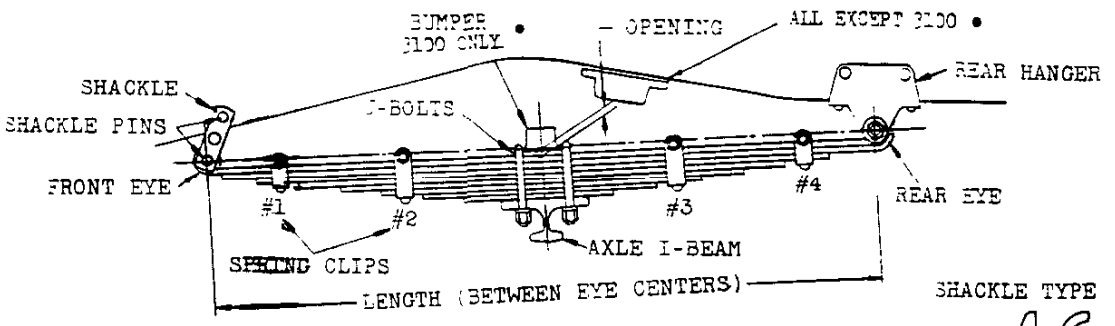
ITEM			3100	3600	3800	4100 4400	3700 3900	4500 6000	5000
Type			Reversed Elliot (modified I-beam section)						
Rated capacity (pounds)			2200	2500	3500	4000	3500	4500	
I-beam (average dimensions)	Height		2-1/8	2-1/4			2-1/2		2-5/8
	Width		1-3/4	2					
	Flange thickness		7/32	5/16			7/16		
	Web thickness		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 page 161	Copper and steel washers					
	Diameter	Inside		.927-.937			1.130-1.135 across flats		
		Outside		1.547-1.557			2-1/16		
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 bearings			Anti-friction bearings ---- See page 161						

FRONT WHEEL ALIGNMENT

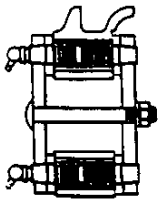


ITEM		3100	3600	3700	3900	3800	4000, 6000	5000
King-pin inclination		$6^\circ10'$-$8^\circ10'$						
Camber		$0^\circ30'$-$1^\circ30'$						
Caster at design load		$-1^\circ15'$-$2^\circ15'$	2°-3°	$2^\circ45'$-$3^\circ45'$	$1^\circ45'$-$2^\circ45'$	$2^\circ15'$-$3^\circ15'$	$2^\circ15'$-$3^\circ15'$	$2^\circ30'$-$3^\circ30'$
Caster at curb weight		$0^\circ30'$-$1^\circ30'$	$0^\circ15'$-$1^\circ15'$	$1^\circ45'$-$2^\circ45'$	$1^\circ10'$ x $2^\circ10'$	$0^\circ45'$-$1^\circ45'$	$0^\circ15'$-$1^\circ15'$	$2^\circ15'$-$3^\circ15'$
Toe-in		1/16-3/16	1/16-1/4					
Toe-out on turns	Outside wheel	20°						
	Inside wheel	21°-25°						

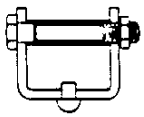
4-1-53. Revised: 7-1-53. • - Data corrected. x - Data added.



SHACKLE TYPE



SPRING CLIP TYPES



BOLT

CLINCH

EYE TYPE (SHACKLE END)

OVERHUNG EYE

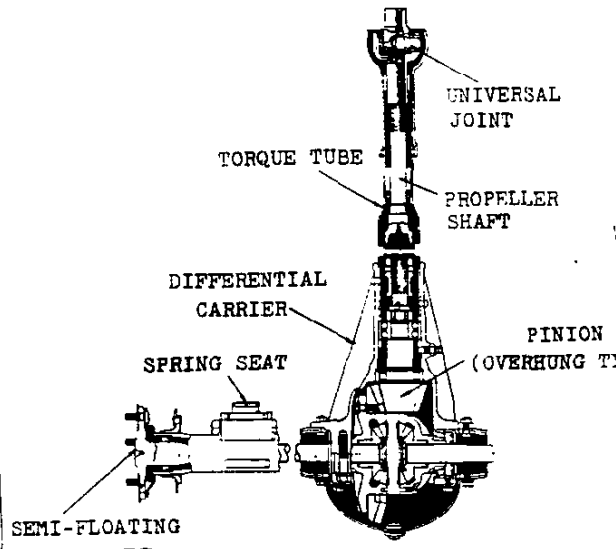
EYE TYPE (FIXED END)

BERLIN EYE 1/2 WRAPPED

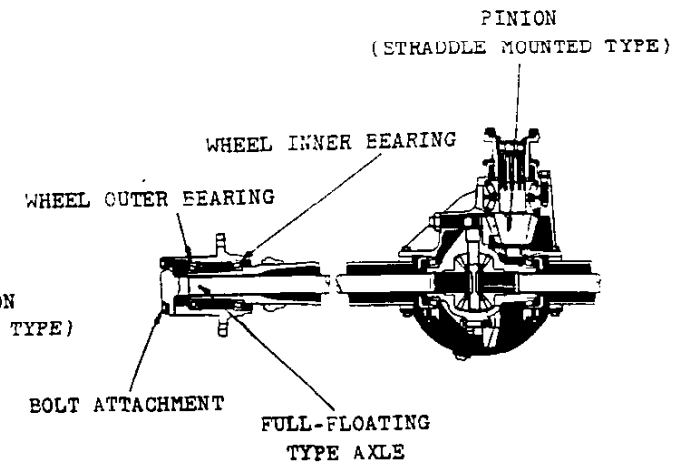
THREADED "H"

ITEM	3100	3600	3700 3900 (RPO 4100 4400)	3800	4100 4400	4502 6000	5100	5400 5700
Springs — Type	Semi-elliptic							
Springs — Material	Chrome carbon steel							
Springs — Number	5			7		9		11
Springs — Thickness (leaves numbered from top to bottom) #1,2,3,4,5	.237		.291					
Springs — Thickness (leaves numbered from top to bottom) #6,7								
Springs — Thickness (leaves numbered from top to bottom) #8								
Springs — Thickness (leaves numbered from top to bottom) #9								
Springs — Thickness (leaves numbered from top to bottom) #10,11								
Springs — 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 per inch)	315		575	495		640		780
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					
Spring clip type (see figure) #2								
Spring clip type (see figure) #3	Clinch							
Spring clip type (see figure) #4			Bolt					
Spring mountings — Shackle end — Located at	Front		*	Front			Rear	
Spring mountings — Shackle end — Pin, type & dia	Threaded "H", .6595 - .6645 - 11 thread							
Spring mountings — Fixed end — Bushing	Plain 7/8 O D							
Spring mountings — Fixed end — Bolt size	11/16 OD x 3-3/8		11/16 OD x 3-5/8					
Spring mountings — U-bolt diameter	1/2	9/16						5/8
Spring mountings — Bumper	Rubber, mounted on top of spring main leaf at center bolt							
Spring mountings — Included angle	6°59'		7°56'	6°59'		7°56'		7°49'
Spring mountings — Spring center-to-center	26-13/16 (measured on axle I-beam)							
Shock absorbers (hydraulic) — Type	Reg equip, direct double acting					RPO, cam and lever double acting		
Shock absorbers (hydraulic) — Model	808M					1730B		1730C
Shock absorbers (hydraulic) — Valve code	4E6/J1					G2 Compression 2R Rebound		
Shock absorbers (hydraulic) — Piston diameter	1					1-1/2		
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
1-1-53. Revised: 7-1-53. • - Illustration corrected.



3100 TYPE



3600 AND 3700 TYPE

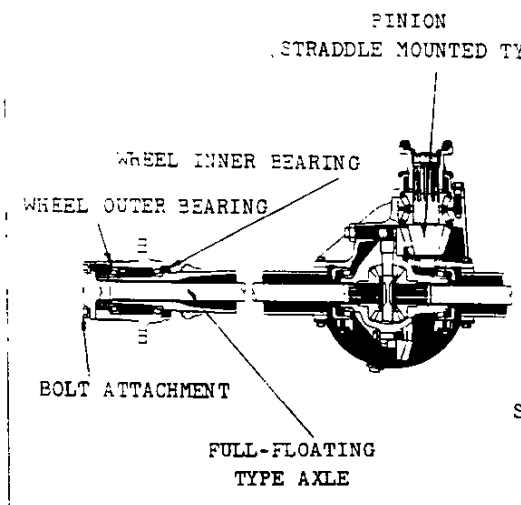
ITEM		3100		3600		3600 RPO		3700	
Type		Semi-floating		Full-floating					
Rating (pounds)		3300		5000					
Housing	Type	Banjo							
	Construction	Pressed two pc welded		One piece or two piece welded					
	Material	HR Steel		Seamless steel tubing					
Final gears	Type	Spiral Hypoid							
	Ratio	4.11:1		4.57:1		5.14:1			
	Teeth	37 & 9		32 & 7		36 & 7			
Gear backlash		.005-.008							
Pinion	Mounting	Overhung		Straddle					
	Adjustment	Shim and collar		Shims					
	Thrust	Against pinion front bearing							
Total gear reduction *	Transmission	3-speed	4-speed	3-speed	4-speed	3-speed	4-speed	3-speed	4-speed
	First	12.08	29.02	13.44	32.26	15.11	36.29	15.11	36.29
	Second	6.90	14.71	7.68	16.36	8.64	18.40	8.64	18.40
	Third		7.03		7.81		8.79		8.79
	Direct drive	4.11		4.57		5.14		5.14	
	Reverse	12.08	27.87	13.44	30.98	15.11	34.85	15.11	34.85
Axle shaft torque (ft lb) ⓣ	First	1746	2656 ⊕	1942	4662	2183	5244	2415	5629
	Second	997	2126	1110	2364	1248	2659	1381	2940
	Third		1016		1129		1270		1405
	Direct drive	629		699		786		870	
	Reverse	1746	2656 ⊕	1942	4477	2183	5036	2415	5569
Lubricant capacity		4-1/2 pints		6 pints					
Differential type		Two pinion		Four pinion					
Axle shaft	Type	Shaft and drive flange integrally forged							
	Minimum dia	1-5/32		1-11/32					
	Hub attachment	Integral		Bolted					
Drive taken through		Springs		Springs (Hotchkiss)					
Torque taken through		Torque tube							
Anti-friction bearings		See page 161							

* - Axle ratio x transmission ratio.

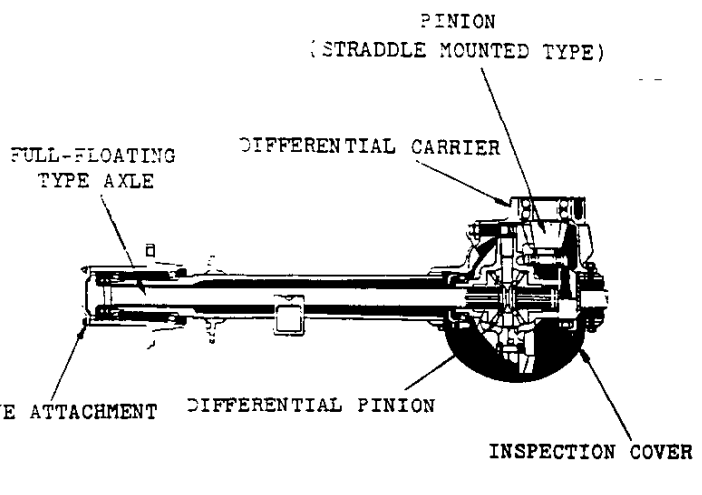
⊕ - Maximum capacity of shafts.

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

CONTINUED



3800 AND 3900 TYPE



4000, 5000, AND 6000 TYPE

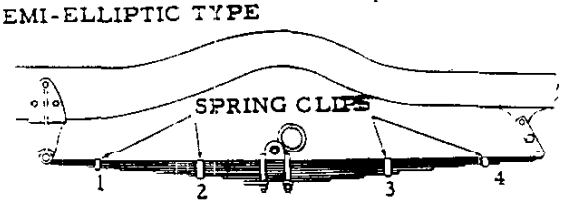
ITEM		3800	3900	4000 RPO	4000	5000	6000
Type		Full-floating					
Rating (pounds)		7200		11000		13000	
Housing	Type	Banjo					
	Construction	One pc or two pc welded		One pc pressed stl welded		One pc or two pc welded	
	Material	Seamless steel tubing		HR steel		Seamless steel tubing	
Final gears	Type	Spiral 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					
Total gear reduction *	Transmission	4-speed		4-speed	4-speed		
	First	36.29		38.34	43.56		
	Second	18.40		19.44	22.09		
	Third	8.79		9.29	10.55		
	Direct drive	5.14		5.43	6.17		
	Reverse	34.85		36.82	41.83		
Axle shaft torque (ft lb) ①	First	5244	5629	5540	6294	6970	7276
	Second	2659	2940	2809	3192	3530	3690
	Third	1270	1405	1342	1524	1686	1762
	Direct drive	786	870	831	944	1044	1091
	Reverse	5036	5569	5320	6044	6684	6987
Lubricant capacity		6 pints		11 pints		12 pints	
Differential type		Four pinion					
Axle shaft	Type	Shaft and drive flange integrally forged					
	Minimum dia	1-11/32		1-7/16		1-9/16	
	Hub attachment	Bolted		Splined			
Drive taken through		Springs (Hotchkiss)					
Torque taken through							
Anti-friction bearings		See page 161					

* - Axle ratio x transmission ratio.

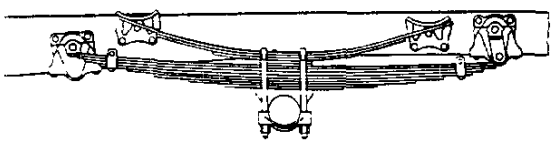
① - Gear reduction x engine maximum net torque x efficiency factor (.90 in direct drive, .85 all others).

REAR SUSPENSION

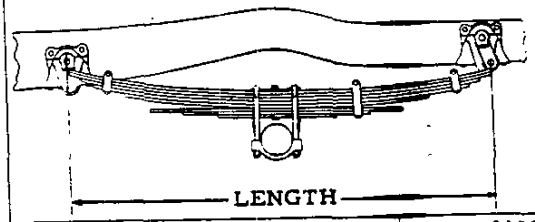
SEMI-ELLIPTIC TYPE



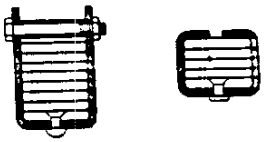
SEMI-ELLIPTIC, TWO STAGE & AUXILIARY TYPE



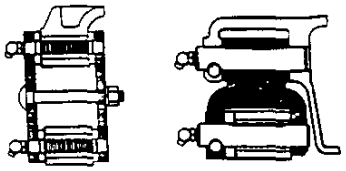
SEMI-ELLIPTIC, TWO STAGE TYPE



SPRING CLIP TYPES



SPRING SHACKLE TYPES



ITEM			3100 Regular	3100 RPO 254	37-3900	3600	3600 RPO 278	3800	3800, 3900 RPO 267	3802 RPO 329
Springs	Type		Semi-elliptic			Semi-elliptic two-stage			Semi-elliptic two-stage and auxiliary	Semi-elliptic
	Leaves	Material	Chrome carbon steel							
		Number	8	9	8	7 (4 & 3)	8 (5 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								
		Total	2.328	2.619	2.392	2.133	2.424		.969	2.715
	Load in pounds at opening height		1100 to 1200 @ 1/2	1300 to 1400 @ 1/2	1735 to 1915 @ 25/32	1325 to 1475 @ 9/16	1510 to 1660 @ 9/16	1575 to 1725 @ 1-29/32		2205 to 2435 @ 13/16
	Average rate (pounds per inch)		190	220	400	250 @ 200-600#; 370 @ 1200 to 1600#	315 @ 250-750#; 435 @ 1400-1800#		620	470
	Cap. at ground (lb)		1450	1730	2250	2000	2250	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							

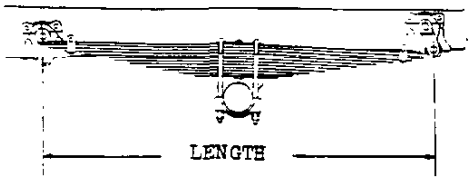
REAR SHOCK ABSORBERS

ITEM		3100	3600	3700	3800	3900
Direct double acting		Regular equipment			RPO (200)	
	Model and valve code	843Z, 3J88/C2	843T, 3J88/D3		967U, 8J10/A1	
Cam and lever double acting						RPO (200)
	Valve code: Compression					G0
	Valve code: Rebound					1R
	Piston diameter	1			1-3/8	1-1/2

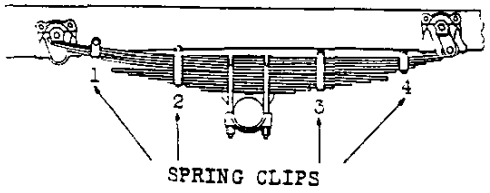
Continued

REAR SUSPENSION—Continued

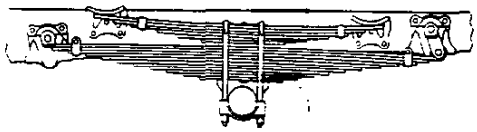
SEMI-ELLIPTIC, HEAVY DUTY TYPE



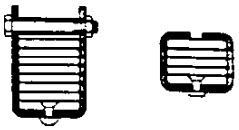
SEMI-ELLIPTIC, TWO-STAGE TYPE



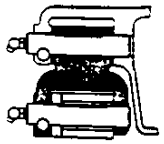
SEMI-ELLIPTIC AND AUXILIARY TYPE



SPRING CLIP TYPES



CLEVIS TYPE SHACKLE



ITEMS			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 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	Cam and lever double acting
	Piston diameter	1-3/4
	Valve code	G2 compression, 2L rebound

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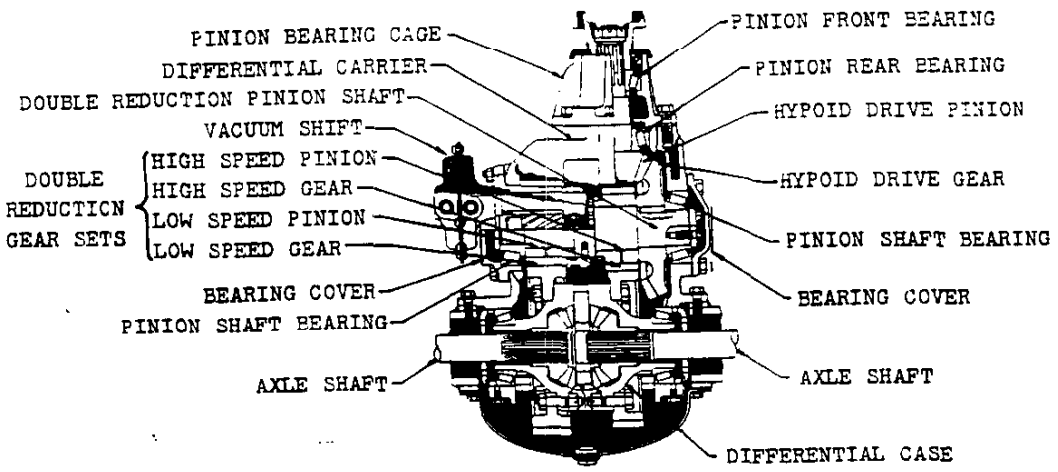
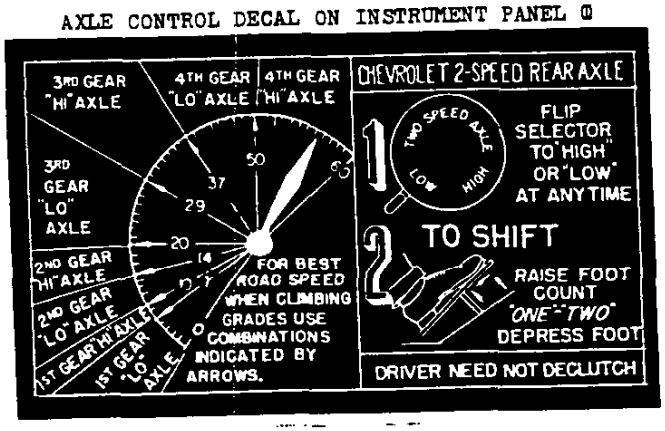


AXLE CONTROL DECAL ON INSTRUMENT PANEL ⓓ



GENERAL DATA

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

Axle shafts:
Material ---------- Hot rolled, forged steel
Type ---------- Shaft and drive flange integrally forged -- Spline attachment
Minimum diameter ---------- 1-9/16
Anti-friction bearings ---------- See page 161
Vacuum shift ---------- On instrument panel

PRIMARY DRIVE GEARS

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

DOUBLE REDUCTION GEARS

Type ---------- Helical spur
Ratio: High speed -------- 2.133:1 (32-15 teeth)
Low speed ---------- 2.818:1 (31-11 teeth)

Lubricant capacity, refill (pints) ------ 14-1/2

TRANSMISSION		TOTAL GEAR REDUCTIONS *		MAXIMUM AXLE SHAFT TORQUE (FT LB) θ			
		5000-6000		5000		6000	
Gear	Ratio	6.13:1 ratio	8.10:1 ratio	6.13:1 ratio	8.10:1 ratio	6.13:1 ratio	8.10:1 ratio
First	7.06	43.28	57.19	6916	9139	7229	9552
Second	3.58	21.95	29.00	3508	4634	3665	4844
Third	1.71	10.48	13.85	1675	2213	1750	2313
Direct drive	1.00	6.13	8.10	1037	1371	1084	1432
Reverse	6.78	41.56	54.92	6641	8776	6942	9173

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

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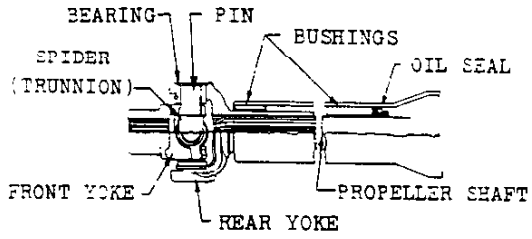
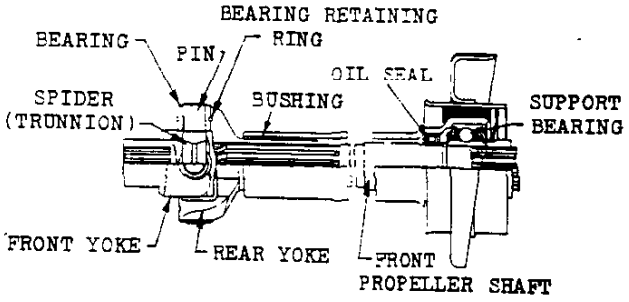
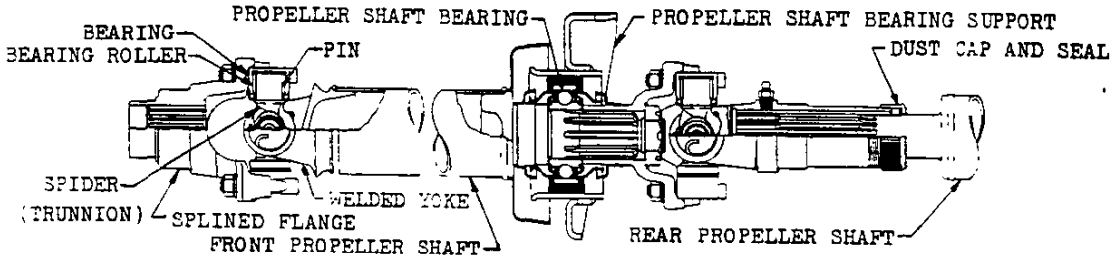
UNIVERSAL JOINT-3100 SERIES



FRONT UNIVERSAL JOINT-3600, 3700 SERIES



DRIVE TRAIN-3600, 3900, 4000, 5000, 6000 SERIES



UNIVERSAL JOINTS

ITEM			3100	3600,3700	5100	3800,3900,4100,4400 5400,5700,6100,6400	4500	6500 6700,6800
Type and material			Yoke and trunnion, drop-forged steel; trunnion, case hardened					
Number used			1	3	2	3		4
Pin diameter		Front	.6835-.6845	.716-.717		.7385-.7390		
		Center & Rear						
U-joint trunnion bearings	Type	Front	Bushing			Anti-friction See page 161		
		Intermediate						
		Rear						

PROPELLER SHAFTS

Number used			1	2	1	2		3
Type		Front		Solid		Tubular		
		Intermediate						Tubular
		Rear	Tubular					
Outside diameter		Front		1-7/16		2-1/2		
		Intermediate						2-1/2
		Rear	2-1/16	2-1/2	3.00	2-1/2		
Wall thickness		Front		Solid		.080-.085		
		Intermediate						.080-.085
		Rear	.092-.098	.080-.085				
End type	Front	Front	Splined			Welded yoke		
		Rear				Splined		
	Intermediate	Front						Welded yoke
		Rear						Splined
	Rear	Front	Splined	Splined				
		Rear		Welded yoke				
4502, 3702 6802 propeller shaft guard	Number used						2	3
	Type						U-bolt	
	Material						5/8 round steel	
	Location and mounting						Support at front of each prop.shaft	
Support bearings (see page 161)				1		1		2

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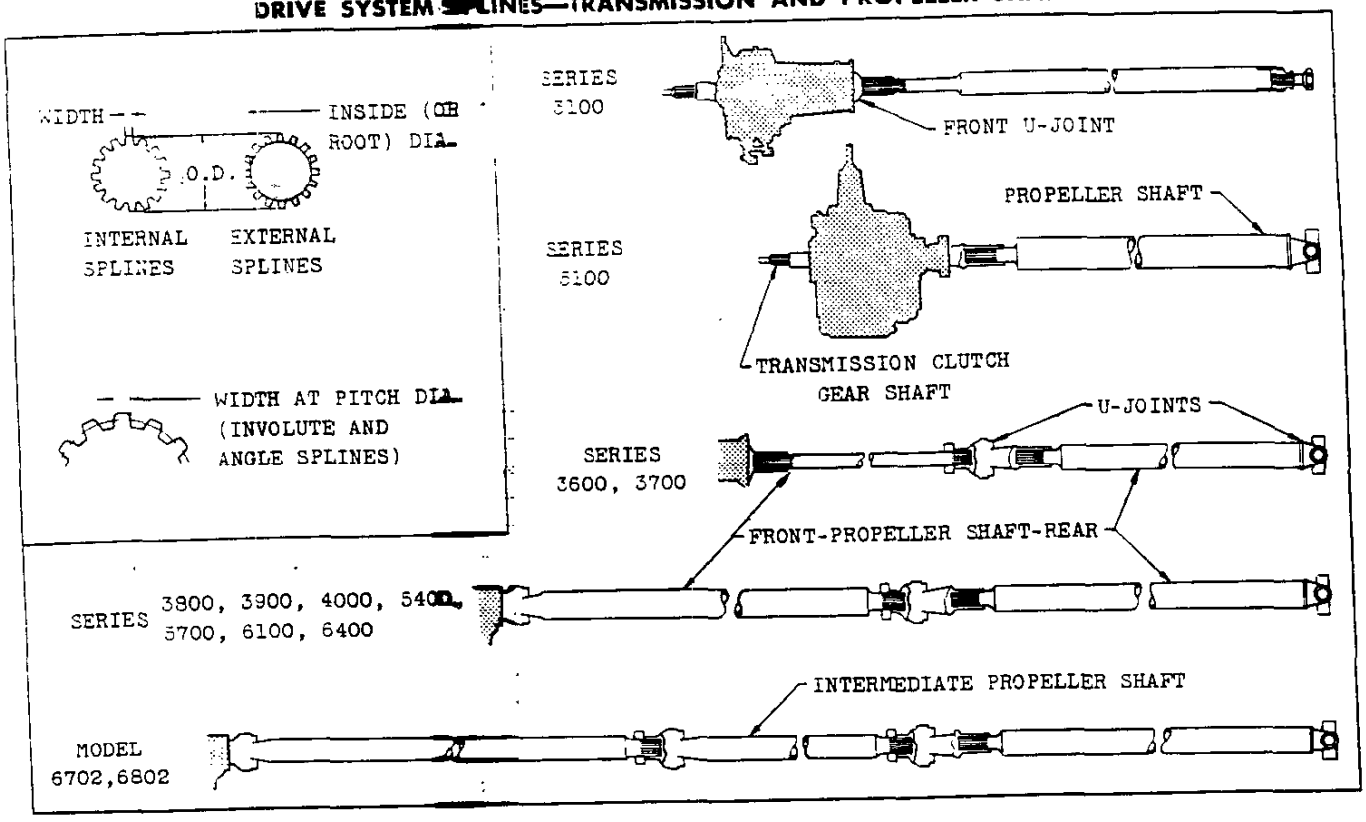
DRIVE SYSTEM SPLINES—TRANSMISSION AND PROPELLER SHAFT



CLUTCH DISC HUB AND TRANSMISSION CLUTCH GEAR SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
3100, 3600, 3700	Width	.174 - .176	.1705 - .1725
	I.D.	.920 - .925	.918 max eff
	O.D.	1.134 - 1.144	1.110 - 1.121
	Splines	10 (straight side)	
3800, 3900, 4000, 5000, 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
3100, 3600, 3700 with 3-speed transmission	Width	.1473 - .1483	.1458 - .1473
	I.D.	.890 - .891	.853 - .863
	O.D.	1.003 - 1.017	.973 - .980
	Splines	10 (involute)	
3000, 4000, 5000, 6000 with 4-speed transmission	Width	.1964 - .1979	.1944 - .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.	1.0635-1.0935	1.0642-1.0657
	Splines	17 (involute)	

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

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

FRONT PROPELLER SHAFT REAR END AND U-JOINT FRONT FLANGE

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

* - 1.370 - 1.371 on 3600 & 3700 series

INTERMEDIATE PROPELLER SHAFT REAR END AND U-JOINT FRONT FLANGE

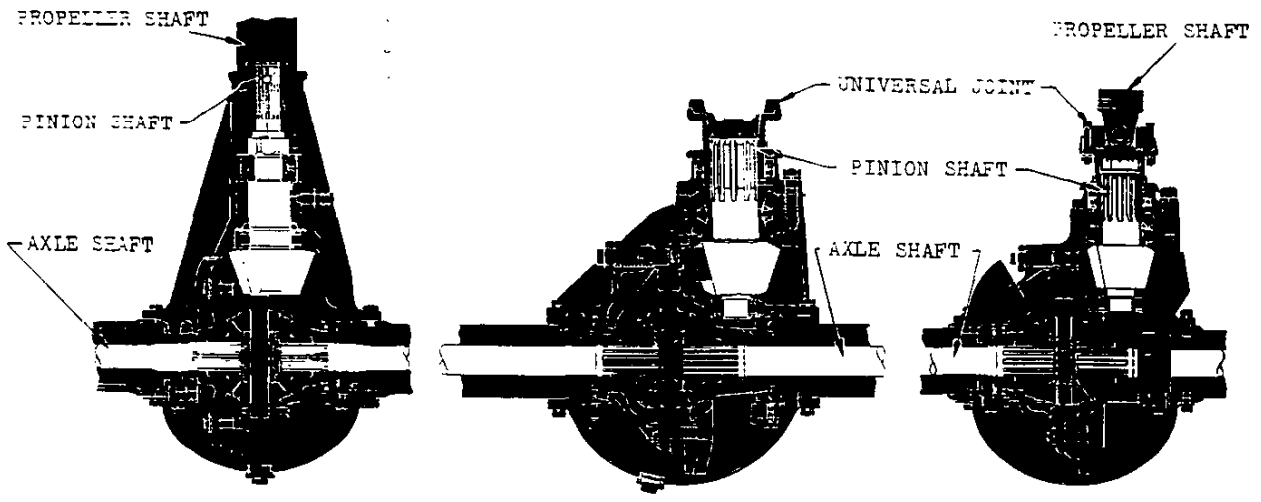
SERIES	ITEM	INTERNAL	EXTERNAL
6500,6702 & 6802	Width	.2130 - .2145	.2125 - .2140
	I.D.	1.208 - 1.213	1.120 - 1.130
	O.D.	1.374 - 1.375	1.372 - 1.373
	Splines	10 (straight side)	

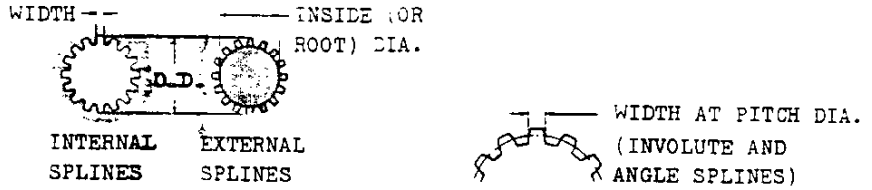
REAR PROPELLER SHAFT FRONT END AND U-JOINT SLEEVE YOKE

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

Φ - maximum effective O.D.

DRIVE SYSTEM SPLINES—REAR AXLE





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 202‡	Width	.2325 - .2340	.232 - .234
	I.D.	1.289 - 1.294	1.230 - 1.235
	O.D.	1.499 - 1.502	1.496 - 1.498
	Splines	10 (straight side)	

AXLE SHAFT FLANGE AND REAR WHEEL HUB

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

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.	1.3006-1.3105	1.2795-1.2845
	Splines	17 (involute)	
3600*, 3700 3800, 3900	Width	.1499 - .1509	.1479 - .1499
	I.D.	1.4245-1.4285	1.399 - 1.407
	O.D.	1.5485-1.5595	1.5275-1.5325
	Splines	17 (involute)	
4000*	Width	.259 - .262	.256 - .258
	I.D.	1.472 - 1.477	1.440 - 1.450
	O.D.	1.6735-1.6785	1.6345-1.6445
	Splines	10 (straight side)	
5000 & 6000 with regular prod. axle	Width	.0942- .0952	.098 - .100
	I.D.	1.628 -1.632	1.565 - 1.569
	O.D.	1.752 -1.756	1.724 - 1.732
	Splines	27 (involute)	
5000 & 6000 RPO 202 axle ‡	Width	.0942- .0952	.098 - .100
	I.D.	1.630 -1.632	1.565 - 1.569
	O.D.	1.754 -1.756	1.724 - 1.732
	Splines	27 (involute)	

* - with regular or RPO axle

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

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BRAKES

BRAKE BOOSTER EQUIPMENT

ENGINE GENERAL

BASIC DESIGN DATA

ITEM		3100	3600	3800	4100 4400	4502	3700	3900	5000	4000 RPO 6000 Reg.	6702 6802
Piston displacement		216.5 cu. in.					235.5 cu. in.				
Bore and stroke (nominal)		3-1/2 x 3-3/4					3-9/16 x 3-15/16				
Type		Valve-in-head, 6-cylinder									
Compression ratio		6.6:1					7.1:1				
Taxable (SAE) horsepower		29.4					30.4				
Idling speed		475 RPM									
Comp. pressure (engine hot)		130 PSI or better at cranking speed									
Dry weights (pounds)	Engine and clutch	574	579				619		616	617	
	With transmission	631	637	708	737		678	748	775	775	
Governor equipment		RPO 241				Regular			RPO 241		Regular
Governed speed		1500 to 2800 RPM				35 MPH			3200 RPM		35 MPH

ADVERTISED MAXIMUM ENGINE PERFORMANCE

ITEM		3100, 3600, 3800, 4000	3700, 3900, 5000	(4000 RPO), 6000
Horsepower	Gross	92 @ 3400 RPM	107 @ 3600 RPM	108 @ 3600 RPM
	Net	85 @ 3300 RPM	102 @ 3500 RPM	103 @ 3500 RPM
Torque (ft lb)	Gross	176 @ 1000-2000 RPM	192 @ 2000 RPM	200 @ 2000 RPM
	Net	170 @ 1000-2000 RPM	188 @ 2000 RPM	196.5 @ 1000 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) 216.5 eng.	235.5 eng.	Crankshaft (rev/mile)
3100	6.00-16	4.11:1		3-speed	148	85		50	1888		3021
				4-speed	355	180	86				
	6.50-16			3-speed	147	84		50	1870		2992
				4-speed	352	179	85				
	15"			3-speed	144	82		49	1837		2939
				4-speed	346	175	84				
3600	15"	4.57:1		3-speed	160	91		54	2083		3268
				4-speed	384	195	93				
	7.00-17			3-speed	147	84		50	1871		2993
				4-speed	352	179	85				
	7.50-17			3-speed	143	82		49	1819		2911
				4-speed	343	174	83				
3600 3700	15"	5.14:1		3-speed	180	103		61	2297*	2401 §	3675
				4-speed	432	219	105				
	7.00-17			3-speed	165	94		56	2104*	2205 §	3367
				4-speed	396	201	96				
	7.50-17			3-speed	160	92		55	2046*	2149 §	3274
				4-speed	385	195	93				
3800 3900	7.00-17				396	201	96	56	2104*	2205 §	3367
	7.50-17				385	195	93	55	2046*	2149 §	3274
	7.00-18				381	193	92	54	2024*	2126 §	3238
4000	6.50-20	5.43:1			392	199	95	55	2081	2185 ¶	3329
	7.00-20				381	193	92	54	2023	2124 ¶	3236
	7.50-20				365	185	88	52	1938	2034 ¶	3100
	6.50-20	6.17:1			445	226	108	63	2364	2482 ¶	3782
	7.00-20				433	219	105	61	2298	2413 ¶	3677
	7.50-20			4-speed	415	210	100	59	2202	2312 ¶	3523
5000 6000	7.50-20				415	210	100	59		2312	3523
	8.25-20				401	203	97	57		2239	3412
	7.50-20	Two Speed	6.13:1		412	208	100	58		2297	3500
			8.10:1		544	276	132	77		3035	4625
	8.25-20		6.13:1		399	202	97	57		2225	3390
			8.10:1		527	267	128	75		2939	4479
5000 6100 6400	9.00-20	6.17:1			380	193	92	54		2118	3227
		Two Speed	6.13:1		377	191	91	53		2104	3206
			8.10:1		498	253	121	71		2780	4236

≠ - 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.

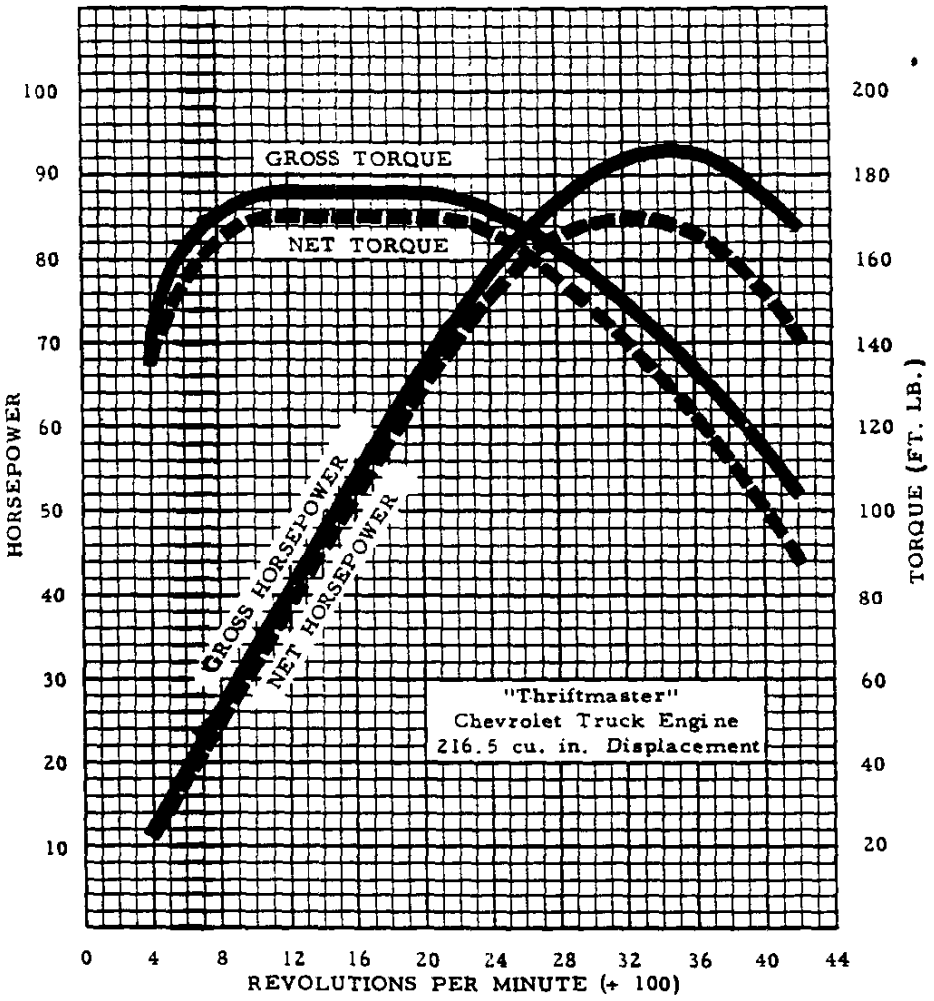
∅ - Also known as N/V factor

* - 3600, 3800 only

§ - 3700, 3900 only

¶ - RPO engine

ENGINE PERFORMANCE



The engine performance curves shown on this sheet are taken from Chevrolet engine test report 16042-36. They represent the full throttle performance of the Thriftmaster Chevrolet truck engine (216.5 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.

January 13, 1953

The data on this sheet are true as represented.
Chevrolet - Central Office - Engineering Dept.
Division of General Motors Corporation

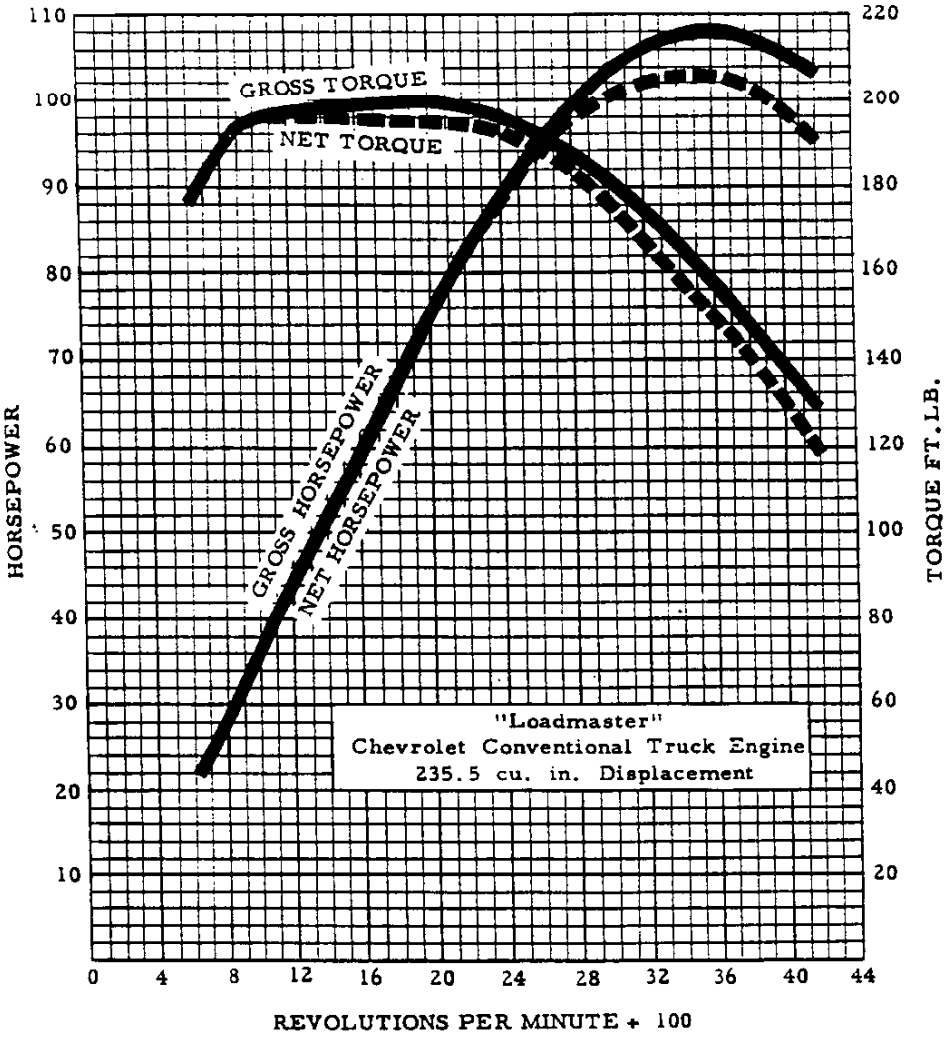
H. F. Barr
Assistant Chief Engineer

State of Michigan
County of Wayne

On this 13th day of January 1953, personally appeared before me, H. F. Barr, known to me to be such, who makes oath that the data on this sheet are true as represented.

Notary Public, Wayne County
My commission expires August 2nd, 1953

ENGINE PERFORMANCE



The engine performance curves shown on this sheet are taken from Chevrolet engine test report 17702-60. They represent the full throttle performance of 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.

March 16, 1953

The data on this sheet are true as represented.
Chevrolet - Central Office - Engineering Dept.
Division of General Motors Corporation

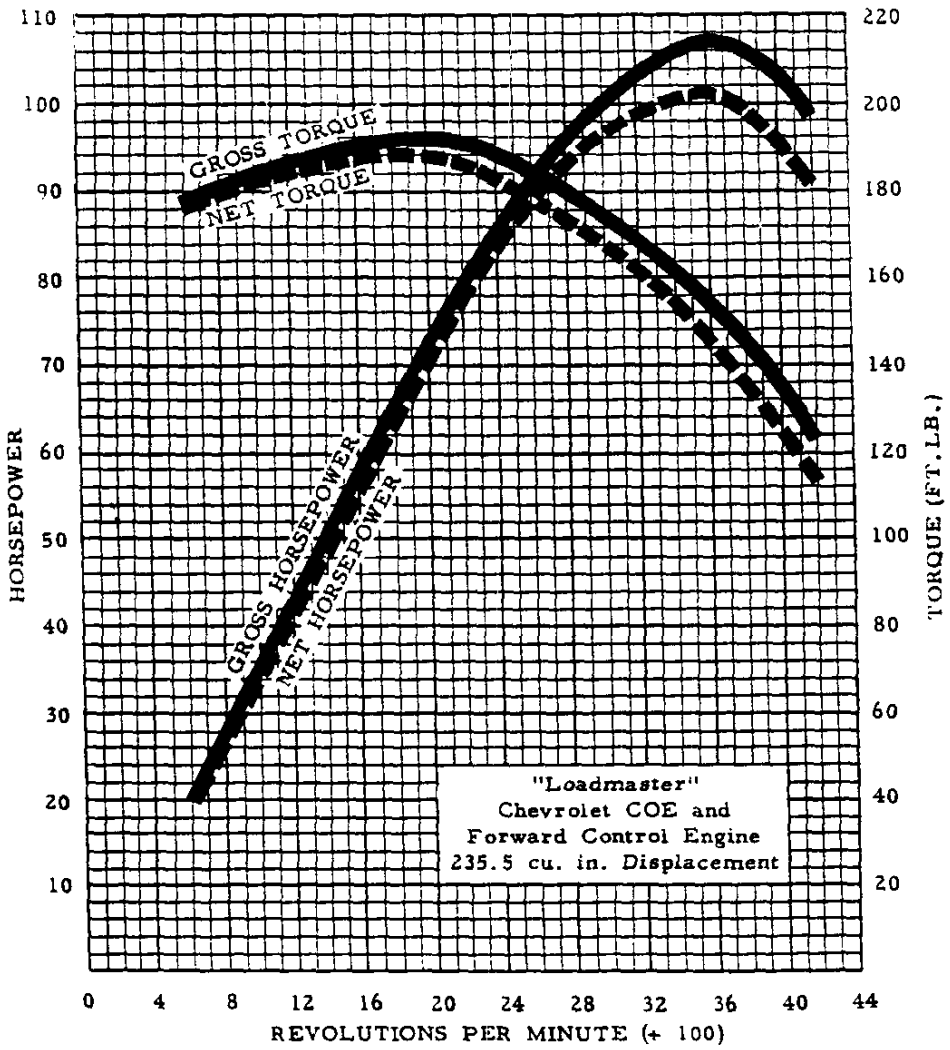
H. F. Barr
Assistant Chief Engineer

State of Michigan
County of Wayne

On this 16th day of March 1953, personally appeared before me, H. F. Barr, known to me to be such, who makes oath that the data on this sheet are true as represented.

Notary Public, Wayne County
My commission expires August 2nd, 1953

ENGINE PERFORMANCE



The engine performance curves shown on this sheet are taken from Chevrolet engine test report 17702-61. 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.

January 13, 1953

The data on this sheet are true as represented.
Chevrolet - Central Office - Engineering Dept.
Division of General Motors Corporation

H. F. Barr
Assistant Chief Engineer

State of Michigan
County of Wayne

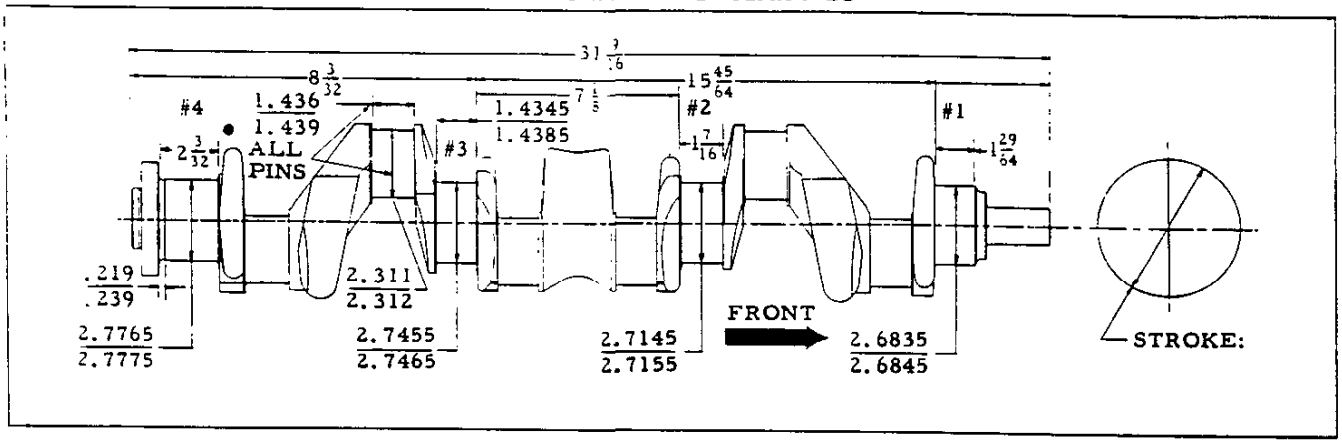
On this 13th day of January 1953, personally appeared before me, H. F. Barr, known to me to be such, who makes oath that the data on this sheet are true as represented.

Notary Public, Wayne County
My commission expires August 2nd, 1953

CYLINDER AND CASE AND HEAD

Material----------Cast alloy iron
Cylinder head bolt torque:
216.5 engine---------- 70-80 ft. lb.
235.5 engine---------- 90-95 ft. lb.
Offset----------None
Bore diameter:
216.5 engine----------3.4995-3.5015
235.5 engine----------3.5620-3.5640

CRANKSHAFT AND BEARINGS



CRANKSHAFT

Material----------Drop-forged steel
Weight--------216.5 eng., 70 lb; 235.5 eng., 74.25 lb
End play----------.003-.009
Counterweights----------7
Stroke: 216.5 engine----------3-3/4 ± .005
235.5 engine----------3-15/16 ± .005

HARMONIC BALANCER (Vibration damper)

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

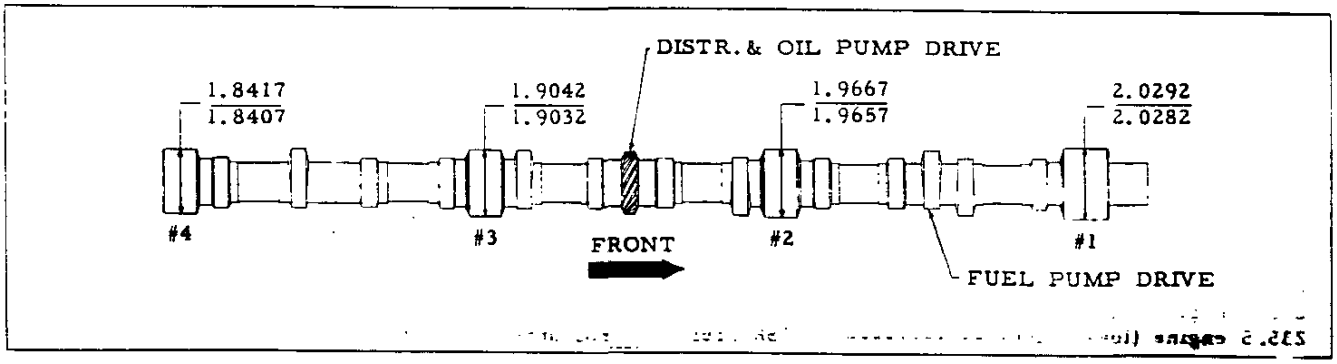
MAIN BEARINGS

Material----------.003-.007 babbitt on steel shell
Type----------Precision interchangeable
Removable----------From below
Necessary to align ream----------No
Clearance----------.0007-.0028 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	1-3/16	2.732 sq.in.
#2	2.7160-2.7176	1-1/8	2.595 sq.in.
#3	2.7470-2.7486	1.4295-1.4315	2.793 sq.in.
#4	2.7780-2.7796	1-5/16	3.175 sq.in.

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

CAMSHAFT AND BEARINGS



CAMSHAFT

Material----------Drop-forged steel
Minimum diameter----------1-3/32
End play----------.001 to .005
Ramp: Inlet----------.0111
Exhaust----------.0140

DRIVE

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

BEARINGS

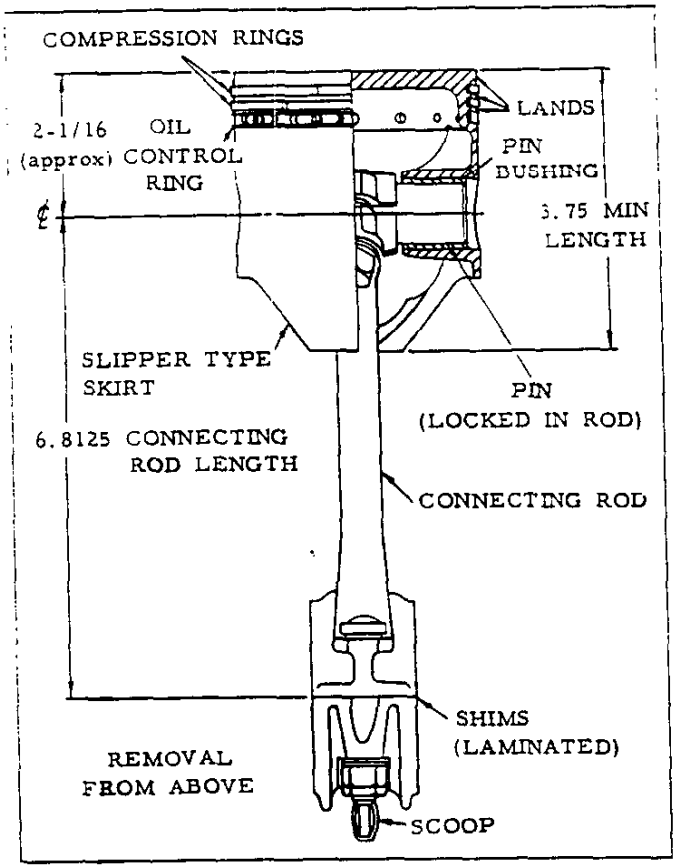
Material----------Steel-backed babbitt
Clearance on diameter----------.0015-.0035
Thrust taken by----------Thrust plate between driven timing gear and camshaft #1 journal front face

Brg.	Inside Dia.	Length	Proj. Area ¢
#1	2.0307-2.0317	1-1/8	2.285 sq.in.
#2	1.9682-1.9692	15/16	1.846 sq.in.
#3	1.9057-1.9067	15/16	1.787 sq.in.
#4	1.8432-1.8442	15/16	1.728 sq.in.

¢ - Based on overall length shown above.

4-1-53. Revised: 7-1-53. • - Rear main bearing journal length corrected.

PISTON—PIN—RINGS



PISTON

Make ---------- Own, cast alloy iron, surface treated with a wear resistant coating
Size (diameter):
216.5 engine ---------- 3-1/2
235.5 engine ---------- 3-9/16
Features ---------- Flat head; oval, slipper skirt
Head thickness at center:
216.5 engine ---------- .180-.190
235.5 engine ---------- .200-.210
Land clearance in cylinder bore:
216.5 engine ---------- .0150-.0240
235.5 engine ---------- .0145-.0235
Skirt clearance in cylinder bore ---------- .0012-.0020
Feeler gage fit ---------- Pass on .0015, hold on .0025
Compression ring groove depth:
216.5 engine ---------- .157-.164
235.5 engine (upper ring) ---------- .181-.188
235.5 engine (lower ring) ---------- .158-.165
Oil ring groove depth:
216.5 engine ---------- .170-.177
235.5 engine ---------- .176-.183
Oil drain holes: number and size ---------- 14, 5132 drill

PISTON PIN BUSHINGS

Type ---------- Pressed into piston
Material ---------- Cast bronze
Size ---------- 15/16 long x slip fit on piston pin
Weight (each) ---------- .056 lb

PISTON PIN

Material ---------- Chromium steel (file hard case)
Diameter and length ---------- .8645-.8650, 3.135-3.165
Weight ---------- .312 lb

COMPRESSION RINGS - taper face

Type, material ---------- Taper face, cast alloy iron, surface treated with a wear resistant coating
Number per piston:
216.5 engine ---------- Two
235.5 engine ---------- One
Width ---------- .1235-.1240
Wall thickness ---------- .155 maximum
Gap clearance ---------- .005-.015
Ring clearance in groove ---------- .0015-.003
Weight each ---------- .05 lb

COMPRESSION RINGS - twist type

Type, material ---------- Chrome plated, deep section twist cast alloy iron
Number per piston ---------- 235.5 engine, one
Width ---------- .0930-.0935
Wall thickness ---------- .168-.178
Gap clearance ---------- .007-.017
Ring clearance in groove ---------- .0015-.003
Weight each ---------- .042 lb

OIL CONTROL RING

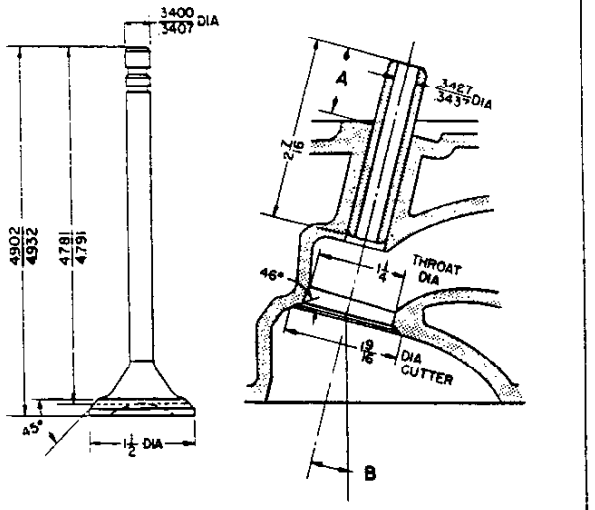
Type, material ---------- Wide slot, cast alloy iron
Width ---------- .1860-.1865
Wall thickness: 216.5 engine ---------- .155 max
235.5 engine ---------- .160 max
Gap, clearance ---------- .005-.015
• Ring clearance in groove ---------- .0020-.0035
Weight (each) ---------- .052

Weights	216.5 engine	235.5 engine
Piston alone	1.712 lb	1.966 lb
Piston and bush assy	1.824 lb	2.078 lb
Piston, bushings, rings, pin and conn rod upper end x 6	16.46 lb	17.94 lb

CONNECTING RODS

Type ---------- Rod clamps piston pin
Material ---------- Drop-forged steel
Rod width at piston pin ---------- 1.125-1.127
Rod width at crank pin ---------- 1.4275-1.4315
Crankpin bearing:
Type ---------- Spun (centrifugally cast)
Material ---------- High lead babbitt
Diameter ---------- 2.3135-2.3140
Effective length (overall length less oil groove and chamfers) ---------- 1.076
Clearance on diameter ---------- .0003-.0013
Projected area per rod (based on effective length) ---------- 2.490 sq. in.
Assembly weight ---------- 1.93 lb
Upper end weight ---------- .46 lb
Lower end weight ---------- 1.473 lb
Total rotating weight of connecting rods (Weight of lower end x 6) ---------- 8.84 lb
End play ---------- .004-.012
Nut torque, with oiled threads ---------- 40-50 ft lb

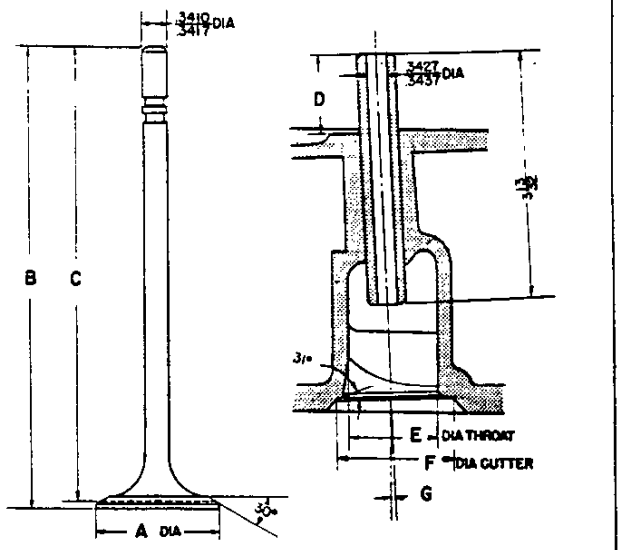
4-1-53. Revised, 7-1-53. • - Diametrical relief replaced by land clearance in cylinder bore.



Flat head design is optional

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

EXHAUST



ITEM	216.5 engine	235.5 engine
A	1-41/64	1-7/8
B	6.260-6.290	6.364-6.394
C	6.177-6.187	6.272-6.282
D	1-5/64 +0 -1/64	1-1/64 +0 -1/64
E	1-1/4	1-7/16
F	1-13/16	2
G	2°33'30"	3°26'

INLET

VALVES

Make ---------- Own
Material:
Exhaust valve: 216.5 engine ------- Silchrome steel
235.5 engine ---------- Silchrome XCR steel
Inlet valve --------Silchrome or Nickel chrome steel
Stem end style ---------- Grooved for keys and oil seal
Lift: Exhaust valve ---------- .3118
Inlet valve ---------- .2941
Face angle: Exhaust valve ---------- 45°
Inlet valve ---------- 30°
Distance between valve centers (measured along centerline of engine) ----------
216.5 engine, 1-21/32; 235.5 engine, 1-35/64

Valve lash (engine normalized*):	Inlet	Exhaust
Up to and including:		
8000 GVW and school buses	.008	.015
Above 8000 pounds GVW	.010	.020

* - To normalize engine, run it at fast idle (approximately 600 RPM) until a constant oil temperature is maintained for a period of five min.

Exhaust valve rotators --------- Positive rotation type

TAPPETS

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

VALVE STEM GUIDES

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

VALVE ROCKER ARMS

Material ---------- Cast malleable iron
Ratio (valve lift to cam lift) ---------- 1.477:1
Torque of valve rocker shaft support bolts and nuts ---------- 25-30 ft lb
Bearing: Type ---------- Machined in rocker arm
Inside diameter ---------- .7925-.7935
Length ---------- 15/16

VALVE SPRINGS

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

VALVE SEATS

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

ENGINE COOLING SYSTEM

Method of cooling cylinder walls --- Full stroke length water jacket with water around each cylinder
Method of cooling valve seats in 216.5 engine only --- "Nozzle jet" system (water against valve seats)

ITEM			3100	3700,3900	3600	3800	4000	5000	6000
Capacity (quarts)	Regular		15	16	15			17	
	RPO 256				16			18	
Radiator core	Make, type & matl		Harrison, ribbed cellular, copper						
	Size	Regular	.25 x .560 x 2			.22 x .560 x 2		.20 x .560 x 2.5	
		RPO 256			.20 x .560 x 2.5			.20 x .560 x 3.0	
	Frontal area (sq. in)	Reg	368	407	368	370		376	
		RPO 256			376			407	
Pressure cooling			All except 3700-3900: 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						
		Outlet	Compound curved, coil spring reinforced, radiator to water pump, 1-1/2 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 width x 42-1/2 outside length				11/16 width x 42-7/8 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		47 gallons per minute at 4000 engine RPM						
	Bearing		Anti-friction bearings, see page 161						
	Seal		Molded rubber, spring loaded						

FUEL SYSTEM

FUEL TANK

		3100 3600	3800	4100, 4400 6100, 6400	5000	3700 3900	4500 6700
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					3pc, 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					

CARBURETOR

ITEM	3100,3600 3800,4000	6000	3700, 3900 5000
Make	Rochester		Carter
Model	7004475	7004468	BB1-871S
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)	1-7/32	1-11/32	1-3/16
SAE flange size	1-1/4	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			
Flame arrester type		Regular equipment			
Heavy duty oil bath type	1 pint oil capacity	RPO 216			
	2 pint oil capacity	RPO 216			Regular
	4 pint oil capacity			Regular	

CONTINUED

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 to 4 PSI

FUEL AND VACUUM PUMP - RPO 340

Make and model ---------- AC, model BW
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 ---------- Operates only when manifold vacuum is insufficient for windshield wiper action

EXHAUST SYSTEM

Muffler:
Make and type ---------- Various; Diffusion and resonance, 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 ----- "Specialized" 4-Way (direct pressure, metered pressure, pressure stream, and splash)
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 ---------- Pressure streams directed against connecting rod scoops.
Cylinder bores and piston pins ---------- Splash
Valve mechanism, 216.5 engine ---------- Metered pressure: Oil flows from main oil gallery through drilled passage, past pressure relief hole (to regulate pressure), through metering hole in pipe fitting, then is piped through water jacket (to regulate temperature) to rocker shaft and arms. Valve stems, springs, and push rod ends are gravity-fed from rocker arms.
Valve mechanism, 235.5 engine -------- 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 rod ends are gravity-fed from rocker arms.

OIL PUMP

Type ---------- Spur gear
Drive ---------- From camshaft by worm gear
Capacity (gallons per minute, hot oil) ---------
---------- 7.16 at 4000 engine RPM
Normal oil pressure (hot) ----------
---------- 14 PSI at 2000 engine RPM
Oil pressure relief valve opens at ------ 60 PSI
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
Drain 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	Grade
Above 90°F	SAE 30 •
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

CRANKCASE VENTILATION AND OIL FILLER

Crankcase ventilation:
Series 3700, 3900 ---Vacuum-operated. Inlet louvers in rocker cover; closed outlet tube from oil filler and ventilator body to inlet manifold provides suction when engine is running.
Other series ---------- Inlet louvers in rocker cover; open outlet tube, extending from ventilator body into airstream beneath engine, provides suction when vehicle is moving.
Oil filler location: Series 3700, 3900, 5000 ---- In ventilator body on right side of engine.
Other series--On valve rocker cover at front.

ENGINE ELECTRICAL SYSTEM

GENERATOR

Series usage		3000	4-5-6000
Make		Delco	
Model no		1100018	1102793
Rated voltage		6 to 8	
Ventilation		By fan in generator pulley	
Driven by		Fan belt	
Pulley size	V angle	36°	28°
	Diameter	2-7/8	3-11/32
Speed ratio (generator to engine)		2.05:1	1.83:1
Max. output speeds (hot)	Gen. RPM	3250 and up	2550 and up
	Eng. RPM	1585 and up	1393 and up

Bearings:	Commutator end	Drive end
Number	812823	Anti-friction bearing See page 161
Type	Bronze bushing	
ID	.562-.563	
OD	.783-.784	
Length	51/64	

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

VOLTAGE AND CURRENT REGULATOR

Make and model ---------- Delco-Remy, 1118725
Type ---------- Vibrator
Location --- On dash LH side in engine compartment
Voltage regulator:
- Volts ---------- 7.4
- Temperature ---------- Operating
- Average air gap ---------- .075

Current regulator:
- Amperes ---------- 45
- Temperature ---------- Operating
- Average air gap ---------- .075

Cutout relay:
- Point opening (amperes) ---------- 0-4
- Point closing: Volts ---------- 6.4
  - Generator armature speed ---------- 1160 RPM
  - Engine speed ---------- See generator to engine speed ratio above.
- Average air gap ---------- .020
- Point gap ---------- .020

RPO 326 HEAVY DUTY GENERATOR EQUIPMENT

Make	40 amp	45 amp	50 amp	55 amp
Delco-Remy	3-4000, 6000	3000	All	All except 37-39-5000
Gen. No.	1105009	1102793	1105008	1106757
Reg. No.	1118721	1118725	1118722	1118390

STARTING

Starting device ---------- Mechanical over-running clutch actuated by push button and solenoid for series 3700, 3900 and by pedal for all others.
Starting operation ---------- With ignition switch ON, depress push button on Series 3700, 3900; depress starter for all others.
Pinion meshes ---------- From front of flywheel
Pinion teeth ---------- 9
Flywheel teeth ---------- 139, 1/2 wide, 13.9 PD
Flywheel bolt torque (service) ---------- 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
All others ---------- 1107108 •
Direction of rotation (front view) ---------- Counter-clockwise

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

Test data:	Lock test	No load test
Amperage	525	65
Volts	3.4	5
Torque	12 ft lb	
RPM		5000

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

BATTERY

ITEM	4500, 6700 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	Below floor on right side of driver compartment	

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

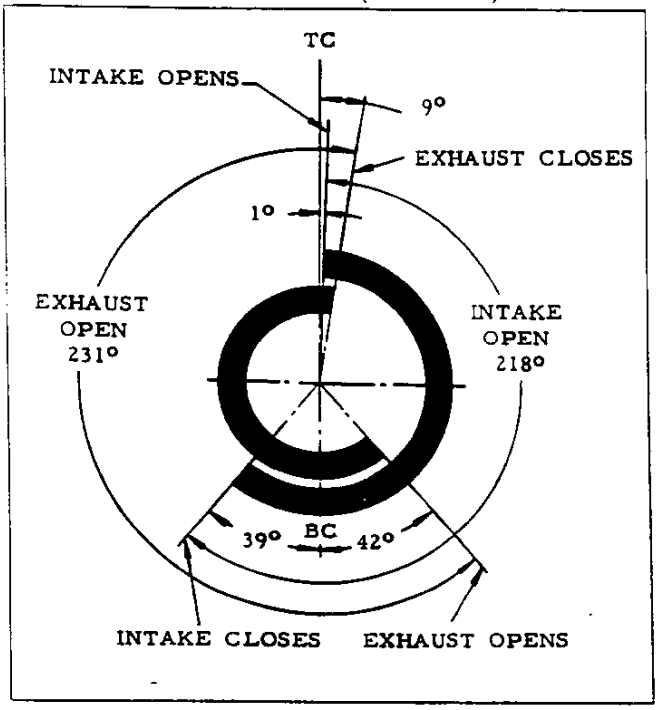
Make, model ---------- AC, 44-5 Com.
Thread size ---------- 14 mm
Recommended gap ---------- .035
Recommended torque ---------- 20-25 ft lb

Continued

DISTRIBUTOR

Distributor (Delco-Remy)		1112362	1112389
Engine cu. in. displacement		216.5	235.5
Breaker contact lever opening	New	.018-.024	.016-.021
	Old	.015-.022	.013-.018
Nominal cam angle	New	34°	38°
	Old	39°	42°
Breaker arm tension •		17-21 oz	19-23 oz
Vacuum control part no.		1116043	
Condenser	Part no.	1869704	
	Capacity	.2 mf	

VALVE TIMING (theoretical)



ENGINE TIMING-Ignition

(Ignition data given in crankshaft degrees)

Timing spark advance (initial setting):

216.5 engine ---------- 5° BTC

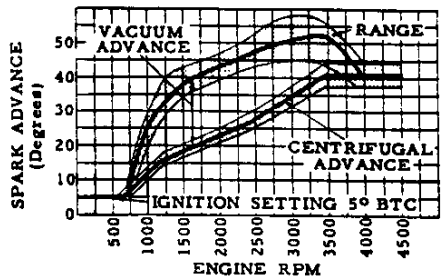
235.5 engine ---------- 0° TC

Timing mark, location ------- Steel ball in flywheel

Firing order ---------- 1-5-3-6-2-4

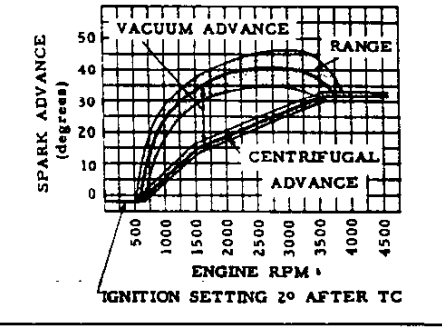
THRIFTMASTER 216.5 CU.IN. ENGINE

Automatic spark advance	Advance begins	Full advance
Vacuum control	7" to 8.5" Hg	18° to 22° at 16.5" to 18.5" Hg
Centrifugal	550 to 750 RPM	32.5° to 39.5° at 3450 RPM and up

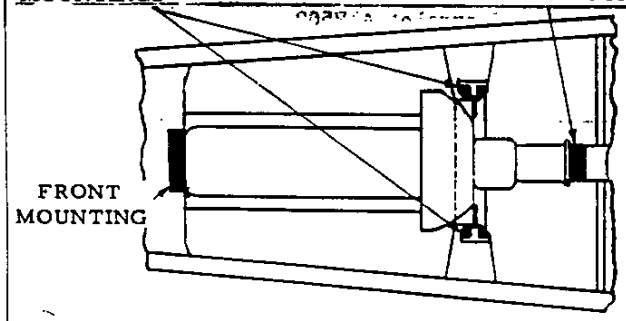
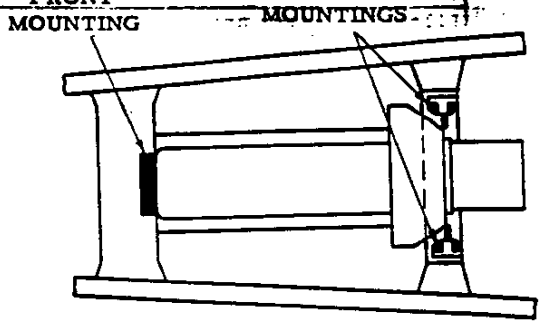


LOADMASTER 235.5 CU.IN. ENGINE

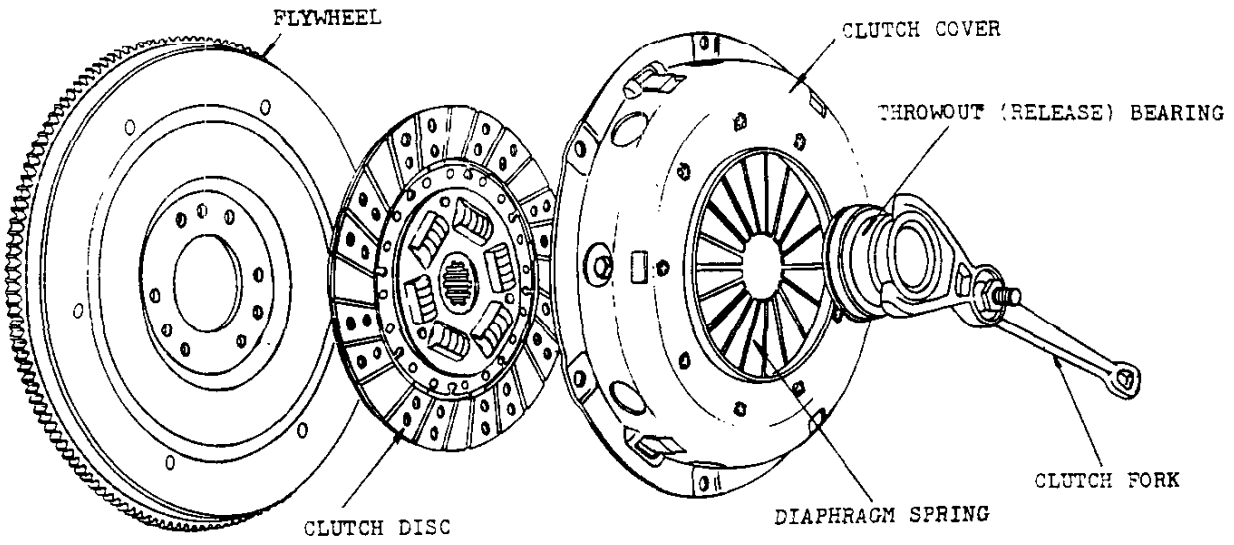
Automatic spark advance	Advance begins	Full advance
Vacuum control	7" to 8.5" Hg	18° to 22° at 16.5" to 18.5" Hg
Centrifugal	500 to 700 RPM	32° to 36° at 3600 RPM and up



POWER PLANT MOUNTING

3100	ALL OTHER TRUCKS
REAR MOUNTINGS — TRANSMISSION SUPPORT (DRIVING AND BRAKING TORQUE REACTION	FRONT MOUNTING — REAR MOUNTINGS
	
TYPE: 4-POINT RUBBER (CUSHION BALANCED)	TYPE: 3-POINT RUBBER (CUSHION BALANCED)

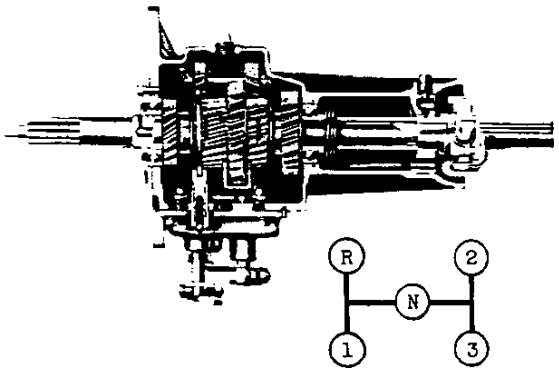
4-1-53. Revised: 7-1-53. • - Curve corrected.



3100 SERIES REGULAR CLUTCH ILLUSTRATED

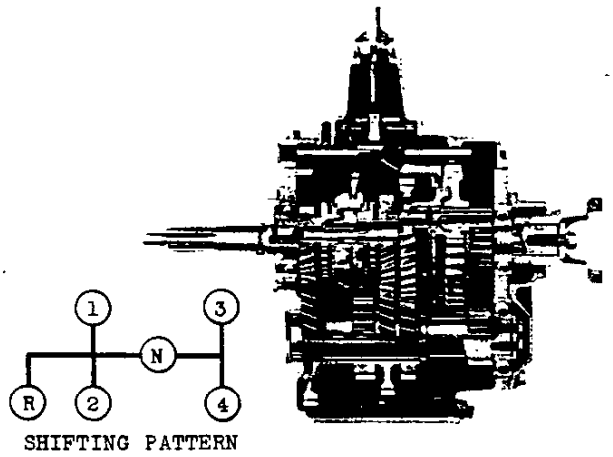
ITEM			3100		All except 3100
			Regular clutch	RPO 227	Regular clutch
Type			Single dry plate		
Rated torque capacity			210 foot pounds	220 foot pounds •	
Drive			Direct to flywheel face		
Ventilation			Vanes cast in pressure plate		
Diaphragm spring	Pressure in flat position		1325 to 1450 lb x	1450 to 1550 lb x	
	Material		Spring steel, heat treated		
	Pressure levers		18, integral with spring		
Driving members			Two (flywheel and pressure plate)		
Driven disc	Type		One, spring cushioned plate with two molded facings		
	Vibration insulation at hub		6 cushion springs		
	Facing (2)	Material	Woven or molded asbestos composition		
		Outside diameter	9-1/8	10-3/4	
		Inside diameter	6-1/8	7	
		Area (both facings)	71.86 square inches	104.6 square inches	
		Thickness	.132-.138	.137-.143	
Bearings	Throwout (release)	Type, make, number	Anti-friction bearings, see page 161		
		Lubrication	Packed for life		
	Pilot	Make and number	Chevrolet 412562		
		Type	Sintered graphite-bronze bushing. Oil-impregnated		
		Inside diameter	.5905-.5920		
		Outside diameter	1.0935-1.0945		
		Width	.740-.760		
		Lubrication	Self		
Controls	Clutch fork type		Drop-forged (pivot mounted on ball)		
	Pedal mounting location		On shaft, bracketed to side rail (to subframe in 5000)		
Flywheel	Material		Cast alloy iron		
	Weight (with ring gear)		30 pounds		
	Ring gear type		Steel, shrunk on		
	Ring gear teeth		139, 1/2 wide, 13.9 P.D. (9 teeth on starter pinion)		
Clutch attachment to flywheel			6 bolts	9 bolts	

4-1-53. Revised: 7-1-53, • - Torque capacity increased. x - Spring pressure increased.



SHIFTING PATTERN

3-SPEED TRANSMISSION
(TOP VIEW)

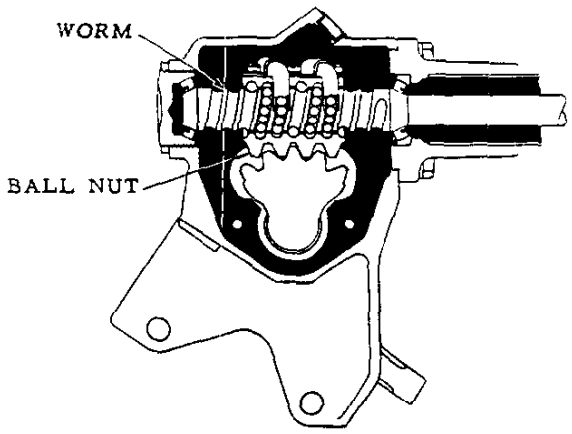


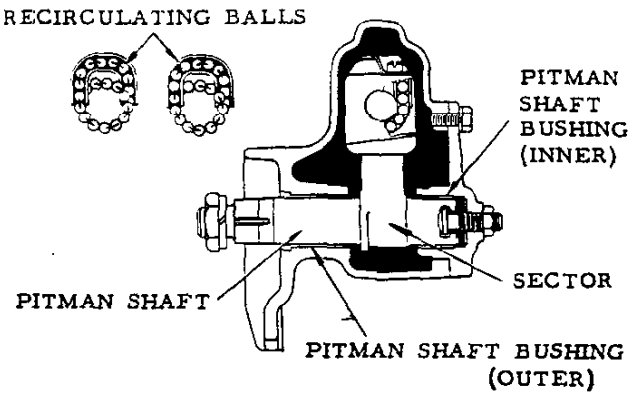
SHIFTING PATTERN

4-SPEED TRANSMISSION
(SIDE VIEW)

ITEM				3100, 3600, 3700	3800, 3900, 4000, 5000, 6000 Reg 3100, 3600, 3700 RPO
Make and type				Own, 3-speed, Synchro-mesh	Own, 4-speed, Synchro-mesh
Gearshift control	Type			Manual, remote	Manual, direct
	Location			Mounted on steering column	Mounted on transmission
Input torque capacity				210 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	7.06:1
			2nd	1.68:1	3.58:1
			3rd	Direct	1.71:1
			4th		Direct
		Reverse		2.94:1	6.78:1
Bushings	Reverse idler	Optional materials		Rolled sheet bronze, ball-indented	Steel-backed bronze, ball-indented
				Steel-backed bronze, ball-indented	
		Size	I D	.7515-.7525	1.1272-1.1282 I D
			Length	3/4	1-1/8
	Transmission rear bearing support	Optional materials		Rolled sheet bronze, ball-indented	
				Steel-backed bronze, ball-indented	
		Size	I D	1.439-1.440	
			Length	.865-.885	
2nd gear bearing		Material		Gear I D honed. Turns on mainshaft	Steel-backed bronze, ball-indented
		Size	I D	1.062-1.063	1.8152-1.8162
			Length	1-3/4	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	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 engine RPM
Anti-friction bearings				See page 161	

STEERING GEAR

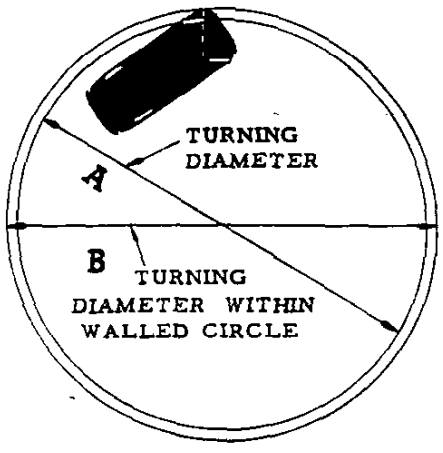




TYPE USED ON 3100, 3600, 3800, 4100, 4400 SERIES

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			Cable lead is attached to contact ring, which is 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 page 161		

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	SPARE WHEEL IS STANDARD ON ALL EXCEPT 3700 & 3900		
				RADIUS ROLLED	REV PER MILE	CAPACITY	PRESS PSI				RIM SIZE	OFF-SET	ATTACHMENT
6.00-16-6 Ø	Base	3100	Five ⊠	13.6	735	1065	36	6.00	15	None used	16x4-1/2K	9-16	SIX 7/16-20 bolts, 5-1/2 circle
6.50-16-6 Ø	282			13.0	728	1215	36	6.50					
15-6	273			14.1	715	1500	40	7.00	150 SB90°	15L	15x5.50F	0	
15-6	Base	3600 3700	Four	15.4	655	1575	45	7.00W	76SB	17M	17x5.0	1/8	Eight 1/2- 20 bolts, 6-1/2 circle
7.00-17-6	277					1575	45					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 Y 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				17x6.0		
7.00-18-8	295	3802-03-08-09-12,3900	Six Dual	16.0	630	1850	55	7.00W		18M	18x5.0	4-9/16	
6.50-20-6	Base	4000		16.4	613	1700	50	6.50W	76-90° E-12	20K	20x5.0	4-3/4	Five front and ten rear 5/8-18 bolts, 7-1/4 circle
7.00-20-8	300			16.9	596	2000	55	7.00W	76SB90°	20M			
7.00-20-10	296					2250	70						
7.50-20-8	304	4100,4400		17.7	571	2375	60	7.50W	177 SB90°		20x6.0 ⊡	5-3/8	
7.50-20-10	305				570	2700	75						
7.50-20-8	Base	5000 (S) 6100,6400			571	2375	60						
7.50-20-10	305				570	2700	75						
8.25-20-10	343	6500 (S) 6700,6800		18.2	553	2900	65	8.25W	77SB90° (77 90° C20)⊞				
8.25-20-12	344	5000 (S) 61-64-6500 (S)				3150	75						
9.00-20-10	312			19.3	522	3450	65	9.00W	TR175-90°C-20	20N	20x6.5 ⊞	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.

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

⊕ - U.S. Rubber Company Standards shown. Tires furnished are U.S., Goodrich, and Firestone.

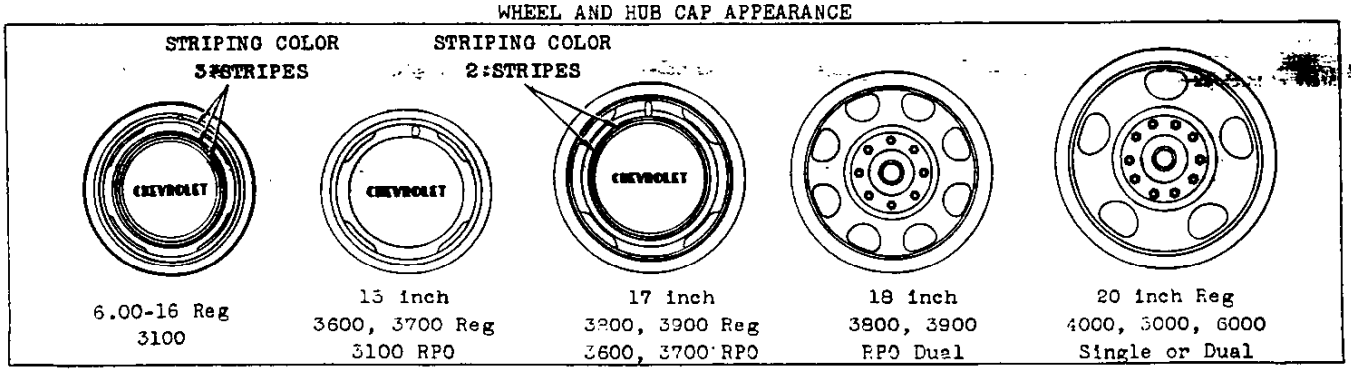
⊡ - Used with 7.00-20 tires on front wheels when 7.50-20-8 or 10 ply tires are specified for rear wheels.

⊠ - Used with 8.25-20 tire and tube assembly on front wheels when 9.00-20 tires are specified for the rear wheels.

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

⊞ - 20x6.5 rims are available as RPO 291, mandatory with 9.00-20 tires; optional with 8.25-20 tires.

WHEEL AND HUB CAP APPEARANCE



6.00-16 Reg 3100

15 inch 3600, 3700 Reg 3100 RPO

17 inch 3800, 3900 Reg 3600, 3700 RPO

18 inch 3800, 3900 RPO Dual

20 inch Reg 4000, 5000, 6000 Single or Dual

LOAD CAPACITY CHART

GROSS VEHICLE WEIGHT FOR 1953 CHEVROLET TRUCKS AND SCHOOL BUSES

MODEL TYPE	MODEL SERIES		WHEEL-BASE	NOMINAL RATING	GROSS VEHICLE WEIGHT	MINIMUM TIRES AND EQUIPMENT: TIRE SIZE AND PLY RATING FRONT	REAR	EQUIPMENT
SEDAN DELIVERY	1508	D53	115		§ 4000	6.70-15-4	6.70-15-4	
					4100	6.70-15-6	6.70-15-6	
LIGHT DUTY	3100	H53	116	1/2 Ton	§ 4200	6.00-16-6	6.00-16-6	
					* 4800	6.00-16-6	6.50-16-6	
MEDIUM DUTY	3600	J53	125-1/4	3/4 Ton	§ 5400	15-6	15-6	
					* 5800	7.00-17-6	7.00-17-8	2-stage, 8-leaf rear spring
	3742	K53	125-1/4	3/4 Ton	§ 6200	15-6	15-6	
					6600	7.00-17-6	7.00-17-6	
					* 7000	7.00-17-6	7.00-17-8	
	3800	L53	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	M53	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	N53	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	
	4400	P53	161		12500	6.50-20-6	7.00-20-10 Dual	11-leaf rear spring & aux., hydrovac, and on 4100, heavy duty frame
					*14000	7.00-20-8	7.50-20-8 Dual	Above plus 8-leaf front spring
	5100S 5400S 5700S	SS53 ST53 SU53	110 134 158	1-1/2 Ton Special Cab-Over-Engine	§14000 *15000	7.50-20-8 7.50-20-8	7.50-20-8 Dual 8.25-20-10 Dual	
	6100S 6400S 6500S	SV53 SW53 SX53	137 161 179	1-1/2 Ton Special Conventional				
	5100 5400 5700	S53 T53 U53	110 134 158	2 Ton Cab-Over-Engine	§14000 *16000	7.50-20-8 7.50-20-8	7.50-20-8 Dual 8.25-20-10 Dual	
	6100 6400 6500	V53 W53 X53	137 161 179	2 Ton Conventional				
SCHOOL BUS CHASSIS	3802 Plus RPO 329	L53	137	16 Pupils	*§7600	7.50-17-8	7.50-17-10	9-leaf rear spring
	4502	R53	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	Y53	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	Z53	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 D53 plate shows no GVW

§ - Base trucks, 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 Wayne

December 5, 1952

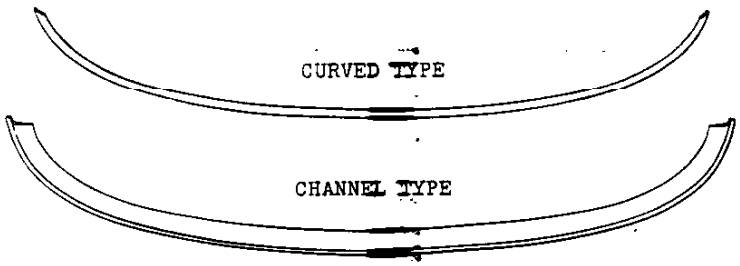
On this 5th day of December 1952, personally appeared before me, E. G. Sprung, known to me as such who makes oath that the data on this sheet are true as represented.

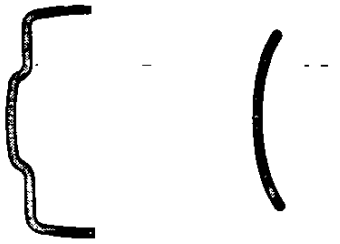
The data on this sheet are true as represented.
CHEVROLET - CENTRAL OFFICE - ENGINEERING DEPARTMENT
DIVISION OF GENERAL MOTORS CORPORATION

M. Woodward
Notary Public, Wayne County
My commission expires August 2nd, 1953

E. G. Sprung
Asst. Chief Engineer
Truck Chassis

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				6-31/32
Gauge	.133-.147		.231-.245		.227-.251
Material	Spring steel				H R 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 first two bars in upper corners of radiator grille

TAIL AND STOP LIGHTS

Make and type ---------- Guide, combination
Number and location:
Two-unit bodies ---------- One, attached to rear end of frame left side member
Canopy Express and Suburban Carryall -------- One, centered on tail gate (linkage automatically adjusts light for tail gate position)
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 illumination --------- Lighted through window in combination tail and stop light
Dome light ---------- In all except cowl models

LIGHTING SWITCHES

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

PROTECTIVE DEVICES

Circuit breaker: Type ---------- Bi-metal thermal element in main lighting switch
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, SFE glass cartridge
Location ---In fuse box on left front of dash

HORN

Make and type ---------- Delco-Remy, vibrator
Location ---------- COE on front of dash, all others on intake manifold
Current drain ---------- 19-21 amperes

BULBS

USED IN		QUANTITY	TRADE NO.	POWER
Parking lights		2	63	3 cp
Instrument cluster		4	55	2 cp
Beam indicator		1	51	1 cp
Ignition lock		1	55	2 cp
Dome light		1	87	15 cp
Head-lights	Upper beam	2	2400 CC*	45 W
	Lower beam			35 W

USED IN			QUANTITY	TRADE NO.	POWER
Tail and stop lights	Panel Trucks	Tail Stop	1	1154*	3 cp 21 cp
	All others	Tail	1	63	3 cp
		Stop	1	1129	21 cp
	RPO 249	Tail	2	1154*	3 cp
		Stop			21 cp

* - Single bulb, double filament

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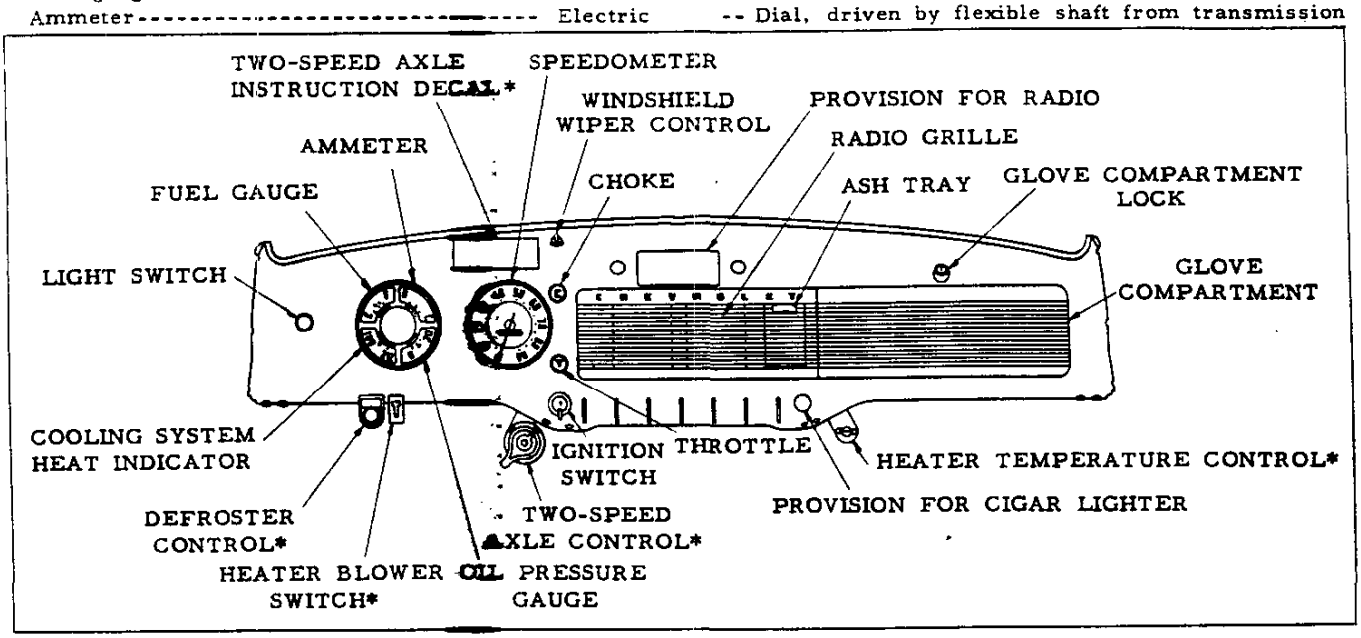
INSTRUMENTS

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



* - Extra cost items

SPEEDOMETER GEARS §

ITEM		3100		3600			3700	3800, 3900	4000		5000, 6000
3-speed trans		Reg		Reg		Reg ¢	Reg				
4-speed trans			RPO 318		RPO 318		RPO 318	Regular			
Rear axle		Regular		Regular		RPO 208	Regular	Regular	RPO 204	Reg	RPO 202 ¶
Teeth	Drive	6	4	6	4	6		4			
	Driven	18	12	19	13	15 19	15	13	15		14
Pitch	Drive	26	18.629	30	22	30		22			
	Driven	26			22.403			22.403			

§ - 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 of tires, transmissions, 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	7000
	Raised height	15-1/8		16	18-1/8
	Lowered height	6-1/2		7-1/4	9
Jack handle					Use tire changing iron
Tire changing iron		With RPO 273	All		
Wrench					

ACCESSORIES

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

ITEM			MODELS
Antenna	Radio, rod type (cowl mounting)		All
Arm rest	Door, Maroon, RH or LH		All cabs or single-unit bodies except 3106-16
Bracket	Mirror, rear view (for attaching arm to cowl)		All
Cap	Gas tank filler, locking		
Condenser	Radiator overflow		3100, 3600, 3800, 4000, 6000
Cover	Seat	Fiber	All cab models
		Woven paper matting	
		Installation kit	
Deflector	Rain		All
Filter	Gasoline		3100, 3600, 3800, 4000, 6000
Flaps	Mud		All platforms & stakes
Frame	License plate		All
Guard	Bumper	Painted, for curved type face bar	3100, 3600
	radiator grille	Painted, for channel type face bar	4000, 5000, 6000; 3700 and 3900 with RPO 367
Heater	With defroster	Outside air type	All
		Recirculating type	
Horn	High note (to make dual horns)		All except 3700, 3900, 5000
Injector	Static eliminator		All
	Powder for		
Lamp	Fog (dual), Guide sealed beam		
	Spot	With bracket, Unity	
		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		
Mirror	Rear view, outside, long arm, adjustable		
Radio	Delco receiving set plus antenna		All except flat face cowl chassis models
Reflector	Reflex (4-inch) red		All
Shaver	Electric		All with cigarette lighter
Shield	Windshield glare		All
Sunshade	Right hand		All, (regular equipment on 3106-16)
Tool kit	Bag and tools		All
Visor	Sun, outside mounted.		All cabs
Washer	Windshield, foot controlled		All except 3700, 3900, 5000

REGULAR PRODUCTION OPTIONS

RPO	ITEM			MODELS
200	Shock absorbers	Lever, double-acting	Front	Series 4000, 5000, 6000
			Rear	Series 3900, 4000, 5000, 6700
		Direct, double-acting	Rear	Series 3800
202	Two-speed rear axle			Series 5000, 6000
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-unit body models
		Long, LH (bracket only)		Models 3103-04; 3604, 3804
		Long, RH (mirror and bracket)		All cab models
211	Rear shock absorber shields			Series 3000, except 3900
212	Brake booster			Series 4000
214	Prop shaft brake equipment			Series 3802-12; 3900
216	Oil bath air cleaner	1 pt capacity		Series 3000, 4100, 4400
		2 pt capacity		Series 3100, 3600, 3800, 4000
217	Engine ventilation equipment			Models 3802, 4102, and Series 5000, 6000
218	Rear bumper equipment			Models 3102-03-04-12; 3602-03-04-12; 3804
225	Loadmaster heavy-duty engine			Series 4000
227	Heavy-duty clutch			Series 3100
233	Heavy-duty frame			Series 4100
234	Color combinations (12)			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 spring			Series 4100, 4400
254	Heavy-duty rear springs			Series 3100
256	Heavy-duty radiator			Series 3600, 3800, 4000, 5000, 6000
263	Auxiliary seat			All Panels and Canopy Express models
267	Auxiliary rear springs			Series 3800, 3900, 4100, 4400
268	Two stage rear springs			Series 41-4400; 51-54-5700; 61-64-6500
281	Vacuum reserve tank			Series 4000, 5000, 6000
291	20 x 6.5 wheel equipment			Series 5000, 6000
318	Four-speed transmission			Series 3100, 3600, 3700
326	Heavy-duty generator equipment	Rating 40 amp		All except 5000 series
		Rating 45 amp		Series 3000
		Rating 50 amp		All models
		Rating 55 amp		All except 3700, 3900, 5000
327	Solenoid starter equipment			Series 3802, 4102
329	School bus chassis equipment (Junior)			Model 3802
340	Vacuum booster fuel pump			All models
341	Side mounted wheel carrier			Series 3104, 3604, 3804
367	Front bumper			Series 3700, 3900
384	Spare wheel carrier equipment			Series 3700, 3900
387	Rear corner windows			All cab models
395	Door lock safety equipment (LH door)			All but cowl chassis and forward control models
399	Tinted body glass			All but cowl chassis and forward control models
401	Stake racks			All platform models
402	Identification plate ("S" series)			Series 5000, 6100, 6400, 6500
272	Tires, 7.50-17-8 pr			Series 3600, 3700, 3800, 3900
273	Tires, 15-6 pr			Series 3100 (3600, 3700 spare)
277	Tires, 7.00-17-6 pr			Series 3600, 3700, (3900 spare)
278	Tires, 7.00-17-8 pr			Series 3600, 3700, 3800, 3900
279	Tires, 7.50-17-10 pr			Model 3802, spare
282	Tires, 6.50-16-6 pr			Series 3100
295	Tires, 7.00-18-8 pr			Series 3800, 3900 except models 3804-05-07
296	Tires, 7.00-20-10 pr			Series 4000
300	Tires, 7.00-20-8 pr			Series 4000
304	Tires, 7.50-20-8 pr			Series 4100, 4400 (5000, 6000 spare)
305	Tires, 7.50-20-10 pr			Series 4100, 4400, 5000, 6000
312	Tires, 9.00-20-10 pr			Series 5000, 6100, 6400, 6500
343	Tires, 8.25-20-10 pr			Series 5000, 6000
344	Tires, 8.25-20-12 pr			Series 5000, 6000

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				
		7450131	Barrel R								2	2	2	2
	Outer	909001	Cup-Cone	2	2									
		909045	Cup-Cone			2	2	2	2	2				
		7450034	Barrel R								2	2	2	2
King Pin Thrust		373476	S R Ball	2	2									
Rear axle	Pinion, front	954780	D R Ball	1	1									
		954533	D R Ball	¢										
		442093	Taper R			1	1	1	1					
		954237	D R Ball							1	1	1	1	1
		443916	Taper R									* - One, RPO		
	Pinion, rear	125630	Roller	1	1									
		189436	Roller			1	1	1	1					
		144553	Roller							1	1	1	1	1
		443943	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	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	2	2	2
	Outer	111119	Roller	2										
		111121	Roller		2									
		188932	Barrel R			2	2	2	2					
		144525	Barrel R							2	2	2	2	2
U-joint trunnion		3660967	Needle			8	8	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. Permanently lubricated, double row, sealed, ball bearing.											
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, rr	954168	S R Ball	1	1	1	1							
		954127	S R Ball		§	§	§	1	1	1	1	1	1	1
	Countershaft, fr	435847	Needle	§	1	1	1							
		142260	Roller		§	§	§	1	1	1	1	1	1	1
	Countershaft, rr	435847	Needle	§	1	1	1							
		954164	S R Ball		§	§	§	1	1	1	1	1	1	1
Automatic RPO 313	Mainshaft	903205	S R Ball	1										
	Planet pinions	3689731	Needle	6										
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	D R Ball	1										
		266800	60 recirculating balls											
		266800	100 recirculating balls											
	Pitman shaft	451974	Needle	1										
		148418	Needle	1										
	Strg col upper	270255	One. Special insulated ball bearing (23, 1/8 dia balls)											
Total per vehicle (less two-speed axle)				25≠	25	34	34	37	37	37	37	32	37	42

≠ - 27 when automatic transmission is used. § - One used, RPO heavy-duty 3-speed transmission.

* - 2-speed axle. ¢ - One used, RPO taxi cab equipment. ¶ - One used, RPO 4-speed transmission.

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