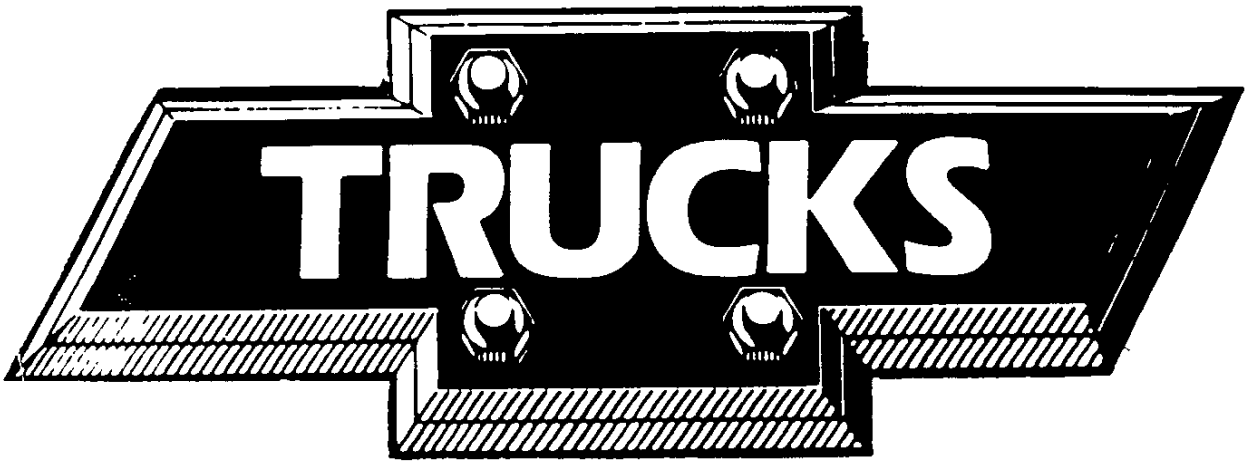
CHEVROLET



1951

ORIGINAL COPY

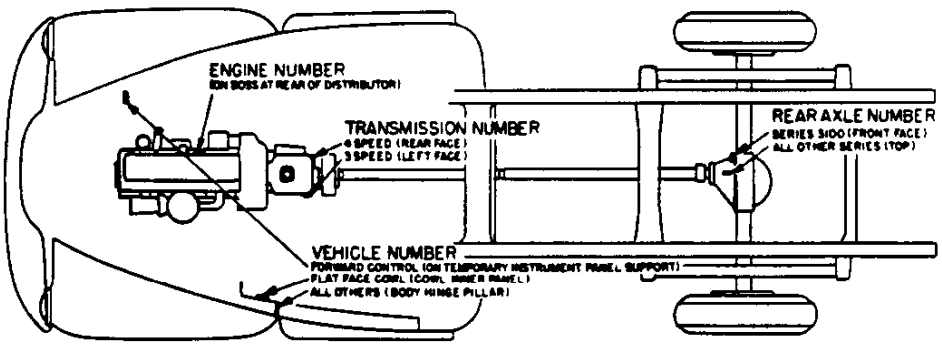
TRUCKS

MODELS

TYPE AND LINE	LIGHT-DUTY CONVENTIONAL		MEDIUM-DUTY CONVENTIONAL				HEAVY-DUTY CONVENTIONAL			HEAVY-DUTY CAB-OVER-ENGINE			HEAVY-DUTY CONVENTIONAL			
Series	1500	3100	3600	3700	3800	3900	4100	4400	4500	5100	5400	5700	6100	6400	6500	6700
Flat face Cowl Chassis		3102	3602		3802		4102	4402	4502				6102 6102S	6402 6402S	6502 6502S	6702
Windshield Cowl Chassis		3112	3612		3812		4112	4412					6112 6112S	6412 6412S	6512 6512S	
Forward Control Chassis				3742		3942										
Cab Chassis		3103	3603		3803		4103	4403		5103 5103S	5403 5403S	5703 5703S	6103 6103S	6403 6403S	6503 6503S	
Pickup Truck		3104	3604		3804											
Panel Truck		3105			3805											
Sedan Delivery	1508*															
Suburban Carryall		3106 3116														
Canopy Express Truck		3107			3807											
Platform Truck			3608		3808		4108	4408			5408 5408S		6108 6108S	6408 6408S		
Express Platform Truck								4418			5418 5418S			6418 6418S		
Stake Truck			3609		3809		4109	4409			5409 5409S		6109 6109S	6409 6409S		
Express Stake Truck								4429			5429 5429S			6429 6429S		

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

SERIAL NUMBERS



Note: Serial numbers data were obtained from Standards Department

VEHICLE NUMBER

Example: 3-UK-B-19943

Assembly Plant	Series	Month	Unit Number
1. Flint	JP-3100	A Jan.	Each series separately numbered in sequence, starting with 1001 at each plant. 1-1/2 Ton Special models are numbered in sequence with similar basic series.
2. Tarrytown	JR-3600	B Feb.	
3. St. Louis	JT-3700	C March	
5. Kansas City	JS-3800	D April	
6. Oakland	JU-3900	E May	
8. Atlanta	UJ-4100	F June	
9. Norwood	UK-4400	G July	
14. Baltimore	UL-4500	H Aug.	
20. Los Angeles	UP(S)-5100(S)	I Sept.	
21. Janesville	UR(S)-5400(S)	J Oct.	
	US(S)-5700(S)	K Nov.	
	UV(S)-6100(S)	L Dec.	
	UW(S)-6400(S)		
	UY(S)-6500(S)		
	UX-6700		

ENGINE NUMBER

Example: JCS-19736

Model Year & Type Designation Unit Number

Flint	Tonawanda	Series
JBA	JBM	3100, 216.5 engine
BJCA	BJCM	3100, 216.5 engine with heavy-duty clutch (RPO 227)
AJCA	AJCM	3600, 3800, 216.5 engine
AJCD	AJCQ	3600, 3800, 216.5 engine and Hydrovac brake unit (RPO-213) or 3802 with stand drive RPO 328 and air cleaner RPO 216
JCF	JCS	3700, 3900, 235.5 engine
JCA	JCM	4000, 216.5 engine
JCD	JCQ	4000, 216.5 engine and Hydrovac brake unit (RPO 212)
AJEA	AJEM	4000, 235.5 engine (RPO 225)
JDA	JDM	5000, 235.5 engine
JEA	JEM	6000, 235.5 engine

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

TRANSMISSION NUMBER

Example: JN-369471

Model Year & Type Designation Unit Number

Saginaw	Muncie	Toledo	Series
JN	JO	JP	3100, 3-speed
JQ	JR	JS	3600, & 3700, 3-speed
UK	UL	UM	3100, 3600 & 3700, 4-speed (RPO 318)
UA	UB	UC	3800, 4-speed
UD	UE	UF	3900, 4-speed
UN	UO	UP	4000, & 6000, 4-speed
UQ	UR	US	5000, 4-speed

Three and four speed unit numbers each begin with 1001 at each plant and continue in sequence.

REAR AXLE NUMBER

Example: UJ-202

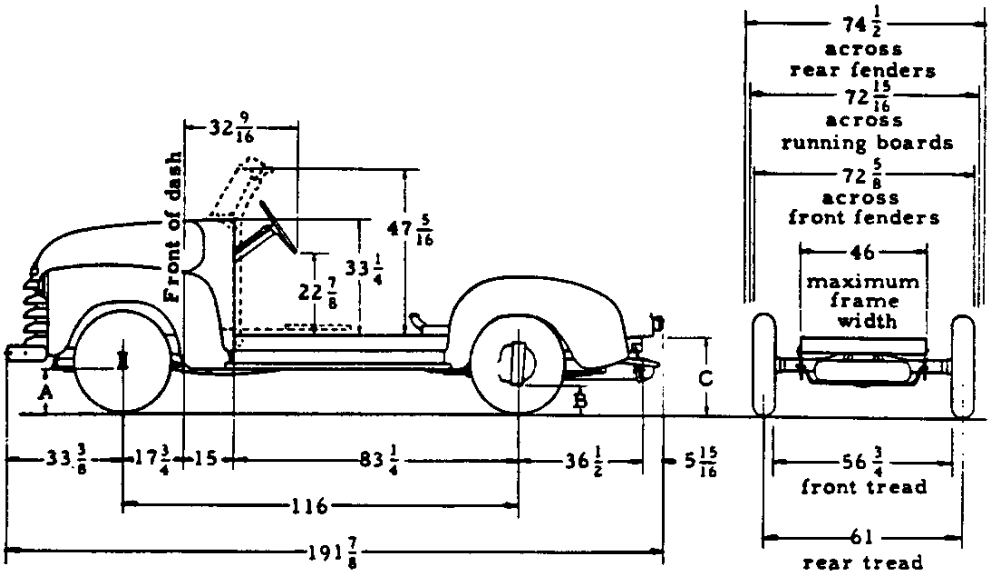
Model Year & Type Designation Unit Number

Detroit	Buffalo	Series
JE	JF	3100, 4.11 ratio
JG	JH	3600, 4.57 ratio
JQ	JR	3600, 3700, 5.14 ratio (RPO 208 on 3600)
UJ	UK	3800, 5.14 ratio, single rear wheels.
UQ	UR	3802-03-08-12 (RPO 328) dual rear wheels, 5.14 ratio
UC	UD	3900, 5.14 ratio, single rear wheels.
UA	UB	3900, 5.14 ratio, dual rear wheels (RPO 295)
UL	UM	4000, 6.17 ratio
UE	UF	4000, 5.43 ratio, (RPO 204)
UG	UH	5000, 6000, 6.17 ratio
UN	UP	5000, 6000, 2-speed axle (RPO 202)

The first one or two digits designates the month of manufacture: 1-Jan, 2-Feb etc. The last two digits designates the day of the month: 01-first day, 02-second day, etc.

CHASSIS AND BODY DIMENSIONS

Model 3102 Flat Face Cowl Chassis
Model 3112 Windshield Cowl Chassis



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

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 6.00-16-6pr front and 6.50-16-6pr 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	
3102	1560	885	2445	1610	965	2575	2200	Determined by style, length and weight of body.		
3112 ●	1575	950	2525	1625	1030	2655	2100			

● - Estimated weight

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; chrome plated
CLUTCH ---------- Diaphragm spring; single disc type; 9-1/8 dia; 71.86 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Forester Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 407 sq. in. frontal area; 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 ---------- 35 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 19-1/2 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 suffix and model application see Option Section

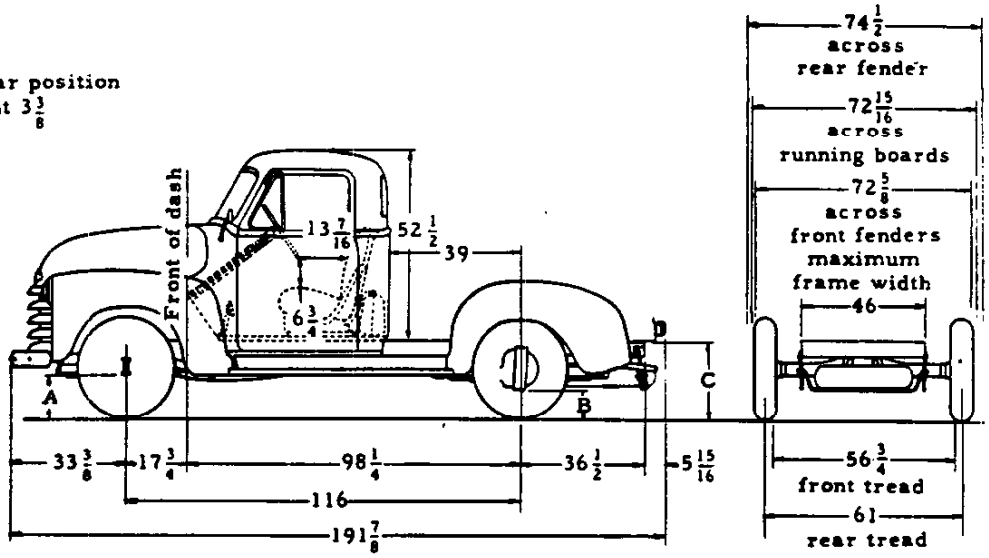
	Wt	Number
AIR CLEANER -- AC make; oil bath type		
1 pt capacity	*	216
2 pt capacity	*	216
CLUTCH, HEAVY DUTY -- Diaphragm spring; Single disc type; 10-3/4 dia; 104.6 sq. in. area; 210 ft lb capacity	*	227
COLORS, VEHICLE	*	234
FENDERS, LESS REAR	Minus 40R	615
GENERATOR -- Including voltage and current regulator, and pulley for high output		
40 amp capacity	*	326
55 amp capacity	28F	326
GOVERNOR -- Range 1500-2800 RPM	*	241
OIL FILTER -- AC make		
1 qt capacity	*	237
2 qt capacity	15F	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	48F, 72R	273
TRANSMISSION, 4-SPEED -- power take-off opening on left side	40F, 35R	318
VACUUM BOOSTER AND FUEL PUMP	*	

* - Weight is less than 10 pounds

CHASSIS AND BODY DIMENSIONS

Model 3103 Cab Chassis

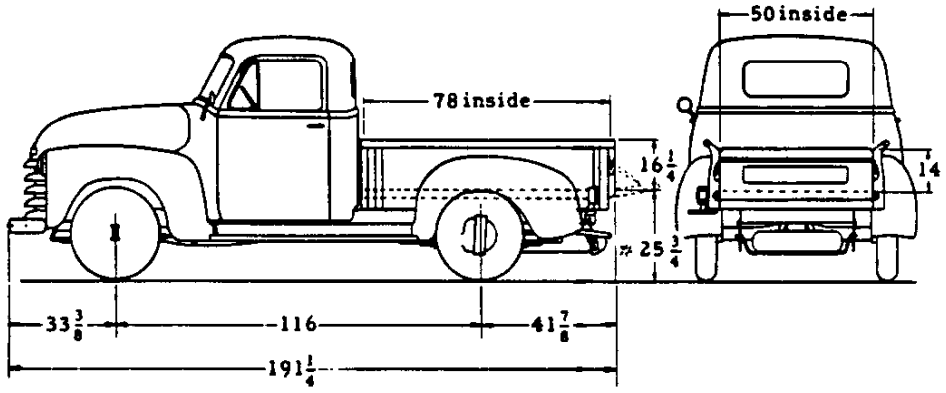
Seat in rear position
Adjustment $3\frac{3}{8}$



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

To determine loaded and unloaded heights, body specifications must be known. Minimum tire equipment for max GVW is 6.00-16-6pr front and 6.50-16-6pr rear.

Model 3104 Pickup Truck



* - Platform height for maximum GVW with minimum equipment (front, 6.00-16-6pr; rear, 6.50-16-6pr): 24 loaded, 30-1/4 unloaded.

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	1795	1080	2875	1865	1150	3015	1800	11%	89%	48
								6%	94%	60
								0%	100%	72
3104	1790	1355	3145	1860	1425	3285	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; chrome plated
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 ---------- Forester Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 407 sq. in. frontal area; 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 ---------- 35 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 19-1/2 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

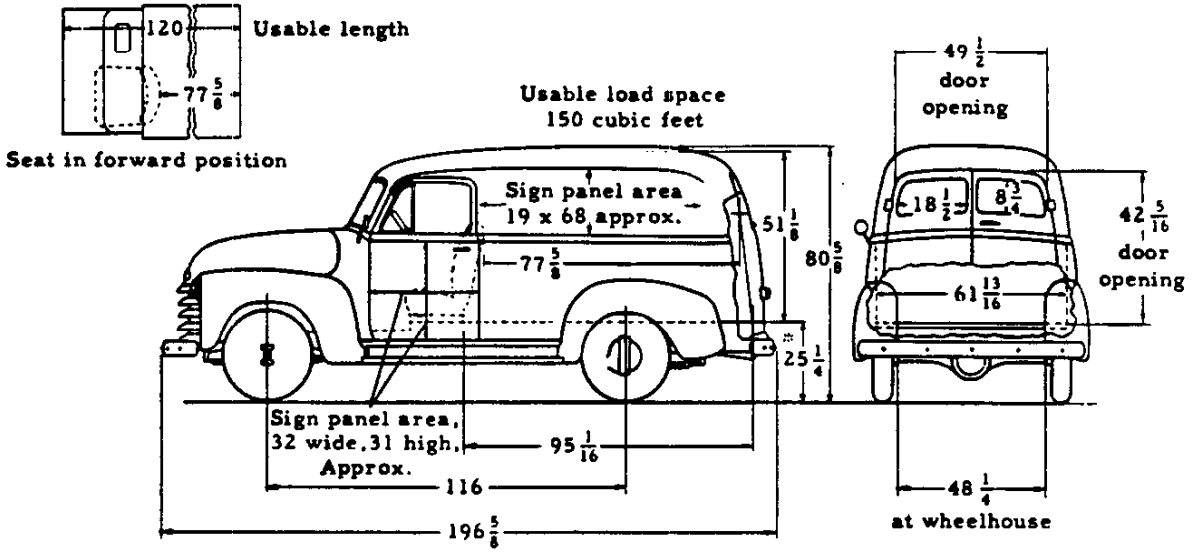
For suffix and model application see Option Section

	Wt	Number
AIR CLEANER -- AC make; oil bath type		
1 pt capacity	*	216
2 pt capacity	*	216
CLUTCH, HEAVY DUTY -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 210 ft lb capacity	*	227
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB	*	387
FENDERS, LESS REAR (3103 only) -- minus	40R	615
GENERATOR -- With voltage and current regulator, and pulley for high output		
40 amp capacity	*	326
55 amp capacity	28F	326
GOVERNOR -- Range 1500-2800 RPM ---	*	241
MIRROR, REAR VIEW		
RH, long or short; LH, long	*	210
OIL FILTER -- AC make		
1 qt capacity	*	237
2 qt capacity	15F	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; 15-6pr; 1500 lb (ea) capacity	48F, 72R	273
TRANSMISSION, 4-SPEED -- Synchro-mesh; power take-off opening on left side	40F, 35R	318
VACUUM BOOSTER AND FUEL PUMP ---	*	340

* - Weight is less than 10 pounds

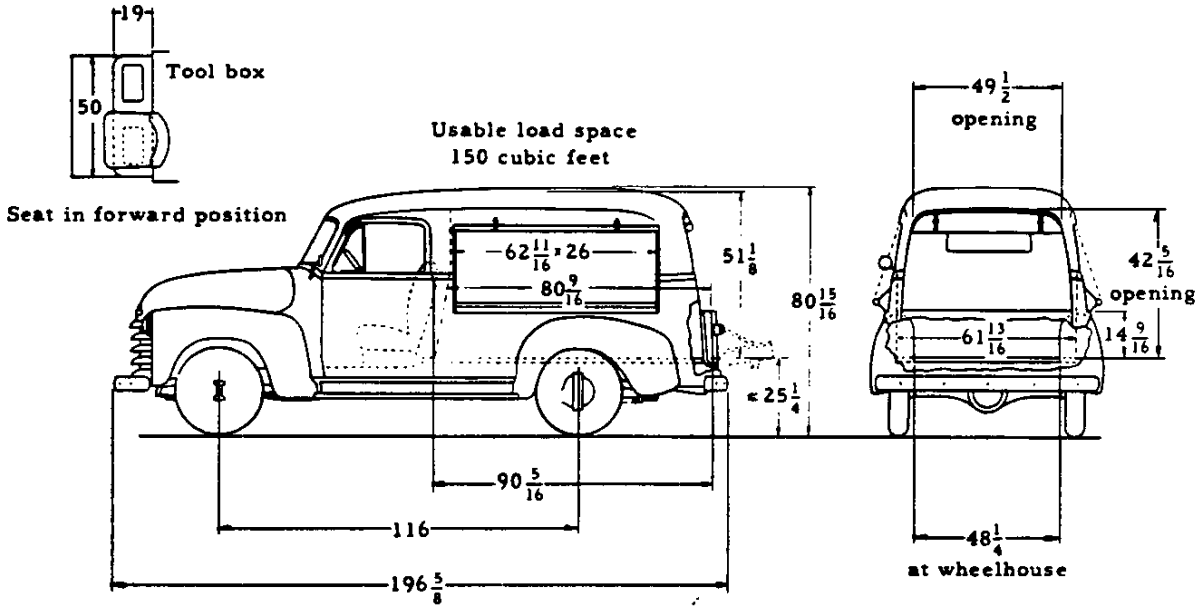
CHASSIS AND BODY DIMENSIONS

Model 3105 Panel Truck



* - Platform height for maximum GVW with minimum equipment (front, 6.00-16-6pr; rear, 6.50-16-6pr): 23-1/4 loaded, 28-1/2 unloaded.

Model 3107 Canopy Express Truck



* - Platform height for maximum GVW with minimum equipment (front, 6.00-16-6pr; rear, 6.50-16-6pr): 23-1/4 loaded, 28-3/4 unloaded.

VEHICLE WEIGHTS AND LOAD DISTRIBUTION

MODEL	WITH STANDARD EQUIPMENT						WITH MINIMUM EQUIPMENT FOR MAXIMUM GVW		
	Shipping			Curb			Payload	Payload Distribution	
	Front	Rear	Total	Front	Rear	Total		Front	Rear
3105	1730	1635	3365	1780	1715	3495	1300	5%	95%
3107 ●	1745	1590	3335	1795	1670	3465	1300	4%	96%

● - Estimated weight

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. Weather-proof 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; chrome plated
CLUTCH --- Diaphragm spring; single disc type; 9-1/8 dia; 71.86 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Forester Green
COOLING SYSTEM -----Ribbed cellular radiator core; 407 sq. in. frontal area; 15 quart 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 ---------- 35 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 19-1/2 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 suffix and model application see Option Section

	Wt	Number
AIR CLEANER -- AC make; oil bath type		
1 pt capacity	*	216
2 pt capacity	*	216
CLUTCH, HEAVY DUTY -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 210 ft lb capacity	*	227
COLORS, VEHICLE	*	234
GENERATOR -- Including voltage and current regulator, and pulley for high output		
40 amp	*	326
55 amp	28F	326
GOVERNOR -- Range 1500 - 2800 RPM	*	241
LAMPS, TAIL AND STOP		
Dual mounted	*	249
MIRROR, REAR VIEW -- Short, RH	*	210
OIL FILTER -- AC make		
1 qt capacity	*	237
2 qt capacity	15F	237
SEAT, AUXILIARY		
Imitation leather	24F, 24R	263
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; 15-6pr; 1500 lb (ea) capacity	48F, 72R	273
TRANSMISSION, 4-SPEED -- Synchro-mesh; power take-off opening on left side	40F, 35R	318
VACUUM BOOSTER AND FUEL PUMP	*	340

* - Weight is less than 10 pounds

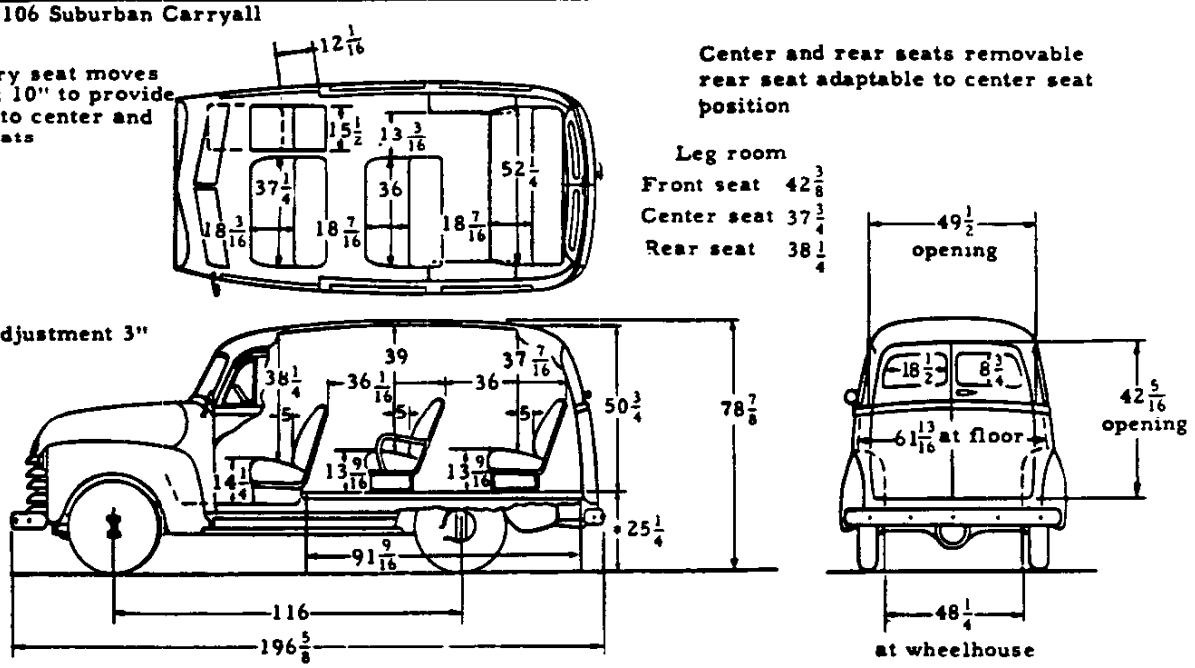
CHASSIS AND BODY DIMENSIONS

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 $42\frac{3}{8}$
Center seat $37\frac{3}{4}$
Rear seat $38\frac{1}{4}$



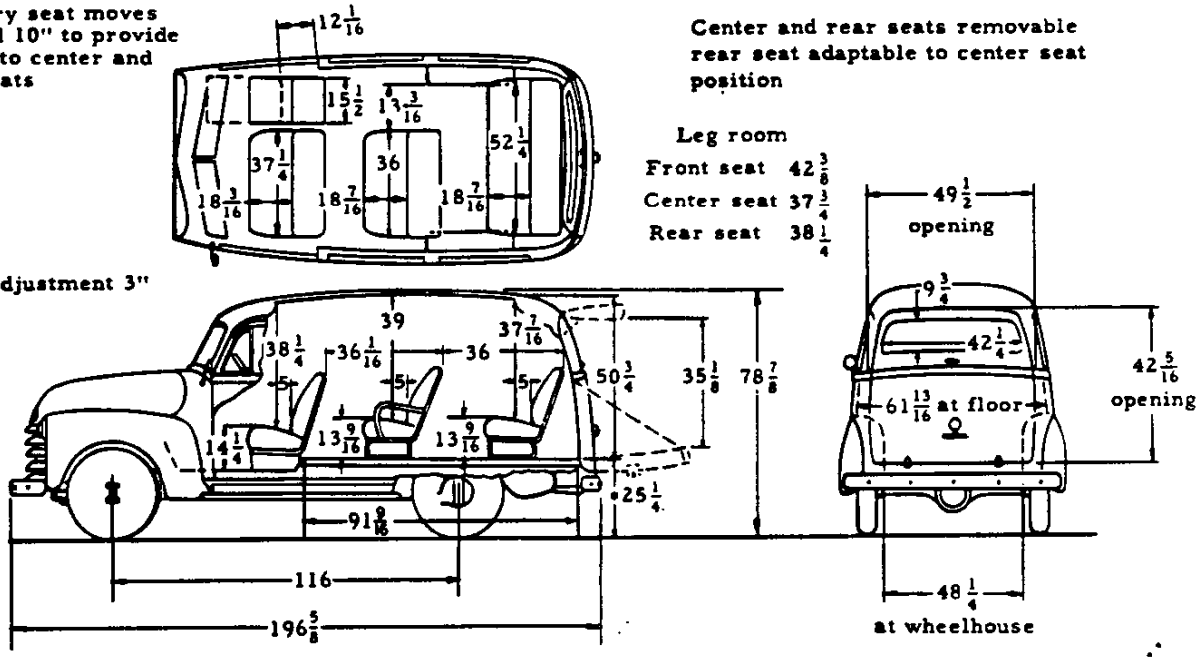
* - Platform height for maximum GVW with minimum equipment (front, 6.00-16-6pr; rear, 6.50-16-6pr): 23-1/4 loaded, 27-1/4 unloaded.

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 $42\frac{3}{8}$
Center seat $37\frac{3}{4}$
Rear seat $38\frac{1}{4}$



* - Platform height for maximum GVW with minimum equipment (front, 6.00-16-6pr; rear 6.50-16-6pr): 23-1/4 loaded, 27-1/4 unloaded.

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	1755	1885	3640	1805	1965	3770	1100	3%	97%
3116	1745	1890	3635	1795	1970	3765	1100	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; chrome plated
CLUTCH ---------- Diaphragm spring; single disc type; 9-1/8 dia; 71.86 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Forester Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 407 sq. in. frontal area; 15 quart 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 ---------- 35 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; 50 x 19-1/2 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

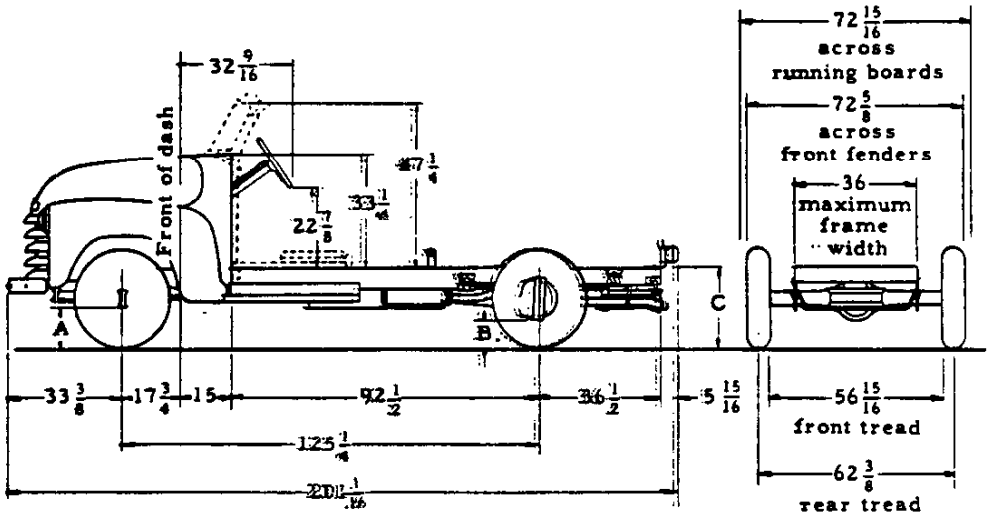
For suffix and model applications see Option Section

	Wt	Number
AIR CLEANER -- AC make; oil bath type		
1 pt capacity	*	216
2 pt capacity	*	216
CLUTCH, HEAVY DUTY -- Diaphragm spring, single disc type; 10-3/4 dia; 104.6 sq. in. area 210 ft lb capacity	*	227
COLORS, VEHICLE	*	234
GENERATOR -- Including voltage and current regulator, and pulley for high output		
40 amp	*	326
55 amp	28F	326
GOVERNOR -- Range 1500 - 2800 RPM ---	*	241
LAMPS, DUAL TAIL AND STOP		
3106	*	249
3116	*	249
MIRROR, REAR VIEW		
Short, RH	*	210
OIL FILTER		
AC make		
1 qt capacity	*	237
2 qt capacity	15F	237
SHOCK ABSORBER SHIELDS, REAR ------	*	211
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	54F, 54R	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

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	7-1/2	27-3/4
Minimum for Max GVW	10-1/8	8-3/4	31-1/4

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	
3602	1650	1005	2655	1715	1110	2825	2900	Determined by style, length and weight of body.		
3612 •	1690	1070	2760	1755	1175	2930	2800			

• - Estimated weight

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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; 101 sq. in. area
  SERVICE ----- Hydraulic type; 4-wheel; 176 sq. in.
    FRONT ---------- 11 x 1-3/4; 75 sq. in. area
    REAR ---------- 12 x 2; 101 sq. in. area
BUMPER, FRONT ---------- Curved, spring type; chrome plated
CLUTCH--- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 210 ft lb capacity
COLOR, BASIC VEHICLE ---------- Forester Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 407 sq. in. frontal area; 15 quart 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 ---------- 35 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; 1050 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
TIRES ------ Front and rear; 15-6pr; 1065 lb (ea) cap.
TOOLS ---------- 2500 lb capacity jack; jack handle; tire changing iron; wheel wrench
TOOL BOX (3612 only) ---------- 50 x 19-1/2 x 2-3/8
TRANSMISSION ---------- 3-speed, synchro-mesh; steering column-mounted gearshift control
VENTILATORS ---------- Top of cowl
WHEELS ---------- 5; 15 x 5.50 F
WINDSHIELD WIPERS
  3612 only ---------- Dual; cowl mounted

OPTIONAL EQUIPMENT

For suffix and model application see Option Section

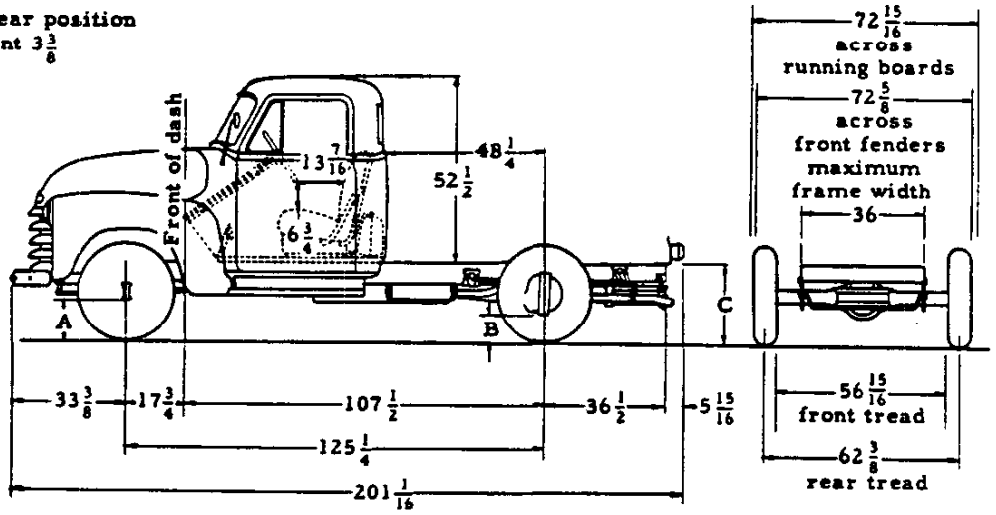
	Wt	Number
AIR CLEANER -- AC make; oil bath type		
1 pt capacity	*	216
2 pt capacity	*	216
AXLE, REAR -- Single-speed; full-floating; ratio 5.14; 5000 lb capacity	*	208
BRAKE BOOSTER (hydraulic) -- Short stroke; 7-inch dia; vacuum-operated	9F,7R	213
COLORS, VEHICLE	*	234
GENERATOR -- Including voltage and current regulator, and pulley for high output		
40 amp	*	326
55 amp	28F	326
GOVERNOR -- Range 1500 - 2800 RPM ---	*	241
OIL FILTER -- AC make		
1 quart capacity	*	237
2 quart capacity	15F	237
RADIATOR, HEAVY DUTY		
17 quart capacity	13F	256
RUNNING BOARDS (long) AND REAR FENDERS	72R	207
SHOCK ABSORBER SHIELDS, REAR -----	*	211
SPRINGS, REAR -- Included in 7.50-17 tire option 272; 8-leaf; two-stage; 2300 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 --	54F,21R	318
VACUUM BOOSTER AND FUEL PUMP ---	*	340

*- Weight is less than 10 pounds

CHASSIS AND BODY DIMENSIONS

Model 3603 Cab Chassis

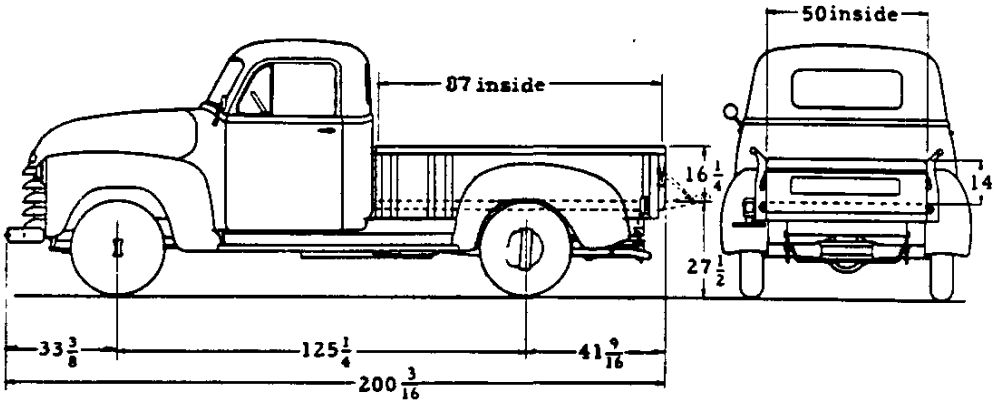
Seat in rear position adjustment $3\frac{3}{8}$



Equipment	Height Without Body and Payload		
	A	B	C
Standard	8-7/8	7-1/2	27-3/4
Minimum for Max GVW	10-1/8	8-3/4	31-1/4

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.

Model 3604 Pickup Truck



* - Platform height for maximum GVW with minimum equipment (front, 7.00-17-6pr; rear, 7.00-17-8pr): 31-1/2 loaded, 35-3/4 unloaded.

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	1905	1190	3095	1980	1295	3275	2400	8%	92%	72
								5%	95%	78
								3%	97%	84
								1%	99%	90
3604	1920	1550	3470	1995	1655	3650	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; 101 sq. in. area
- SERVICE ------ Hydraulic type; 4-wheel; 176 sq. in.
  - FRONT ---------- 11 x 1-3/4; 75 sq. in. area
  - REAR ---------- 12 x 2; 101 sq. in. area

BUMPER, FRONT ---------- Curved, spring type; chrome plated
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 ---------- Forester Green
COOLING SYSTEM ----- Ribbed cellular radiator core; 407 sq. in. frontal area; 15 quart 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 ---------- 35 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; 1050 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 19-1/2 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 suffix and model application see Option Section

	Wt	Number
AIR CLEANER -- AC make; oil bath type		
1 pt capacity	*	216
2 pt capacity	*	216
AXLE, REAR -- Single-speed; full-floating; 5.14 ratio; 5000 lb capacity	*	208
BRAKE BOOSTER (hydraulic) -- Short stroke; 7-inch diameter; vacuum operated	9F, 7R	213
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB	*	387
GENERATOR -- Including voltage and current regulator, and pulley for high output		
40 amp	*	326
55 amp	28F	326
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	15F	237
RADIATOR, HEAVY DUTY		
17 quart capacity	13F	256
RUNNING BOARDS (long) AND REAR FENDERS (3603 only)	72R	207
SHOCK ABSORBER SHIELDS, REAR	*	211
SPRINGS, REAR		
Included in 7.50-17 tire option 272; 8-leaf; two-stage; 2300 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
TRANSMISSIONS, 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

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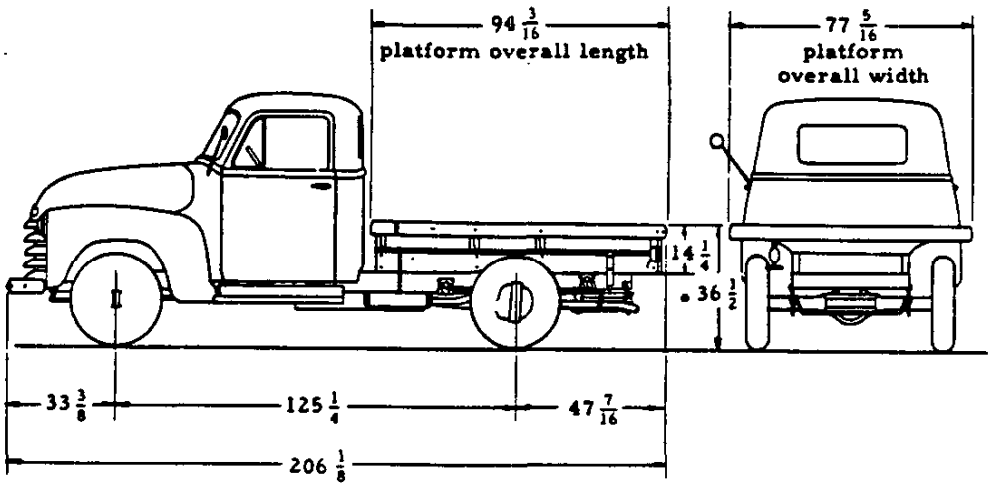
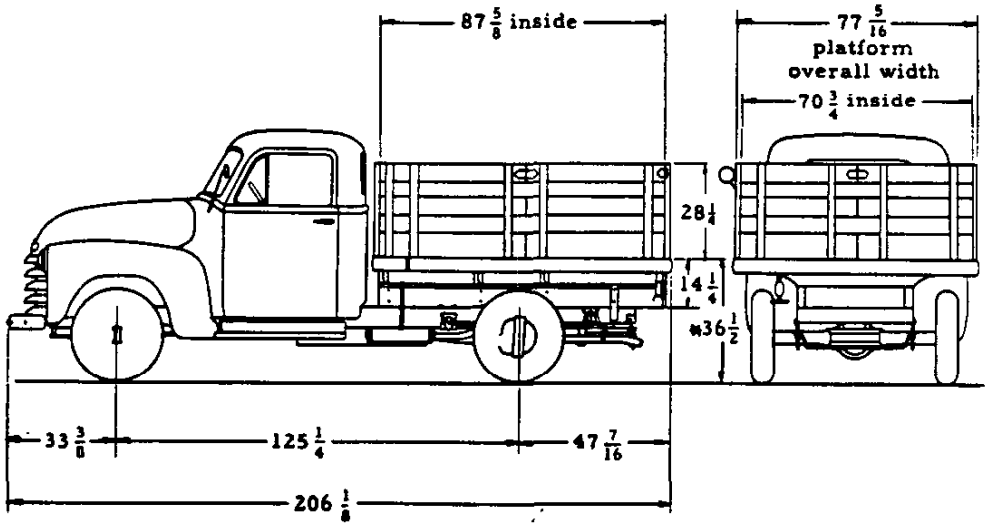
CHASSIS AND BODY DIMENSIONS

Model 3608 Platform Truck



* - Platform height for maximum GVW with minimum equipment (front, 7.00-17-6pr; rear 7.00-17-8pr): 40-3/4 loaded, 45-1/4 unloaded.

Model 3609 Stake Truck



* - Platform height for maximum GVW with minimum equipment (front, 7.00-17-6pr; rear, 7.00-17-8pr): 40-3/4 loaded, 44-3/4 unloaded.

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	1610	3510	1975	1715	3690	2000	0%	100%	94-3/16
3609	1900	1790	3690	1975	1895	3870	1800	0%	100%	87-5/8

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; 101 sq. in. area
SERVICE ------ Hydraulic type; 4-wheel; 176 sq. in.
FRONT ---------- 11 x 1-3/4; 75 sq. in. area
REAR ---------- 12 x 2; 101 sq. in. area
BUMPER, FRONT ---------- Curved, spring type; chrome plated
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 ---------- Forester Green
COOLING SYSTEM ---- Ribbed cellular radiator core; 407 sq. in. frontal area; 15 quart 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 ---------- 35 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; 1050 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 19-1/2 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

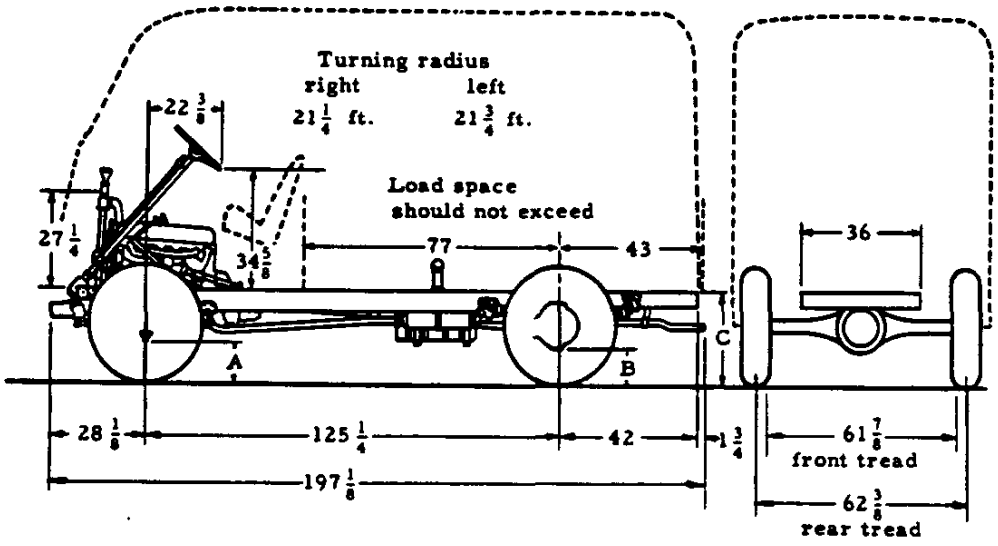
For suffix and model application see Option Section

	Wt	Number
AIR CLEANER -- AC make; oil bath type		
1 pt capacity	*	216
2 pt capacity	*	216
AXLE, REAR -- Single-speed; full-floating; 5.14 ratio; 5000 lb capacity	*	208
BRAKE BOOSTER (hydraulic) -- short stroke; 7-inch dia; vacuum-operated	9F, 7R	213
COLORS, VEHICLE	*	234
CORNER WINDOWS, CAB 236 sq. in. daylight opening	*	387
GENERATOR -- Including voltage and current regulator, and pulley for high output		
40 amp	*	326
55 amp	28F	326
GOVERNOR -- Range 1500-2800 RPM	*	241
MIRROR, REAR VIEW -- Long, RH	*	210
OIL FILTER -- AC make		
1 quart capacity	*	237
2 quart capacity	15F	237
RADIATOR, HEAVY DUTY 17 quart capacity	13F	256
SHOCK ABSORBER SHIELDS, REAR	*	211
SPRINGS, REAR -- Included in 7.50-17 tire option 272; 8-leaf; two-stage; 2300 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

CHASSIS AND BODY DIMENSIONS

Model 3742 Forward Control Chassis



Equipment	Height Without Body and Payload		
	A	B	C
Standard	8-13/16	7-1/2	28-1/4
Minimum for Max GVW	9-11/16	8-3/4	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 ●	1540	925	2465	1530	1145	2675	4300	Determined by style, length and weight of body.		

● - Estimated weight

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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; 101 sq. in. area
SERVICE ----- Hydraulic type; 4-wheel; 202 sq. in.
FRONT ---------- 12 x 2; 101 sq. in. area
REAR ---------- 12 x 2; 101 sq. in. area
CARBURETOR ---------- Carter; up draft
CLUTCH -- Diaphragm spring; single disc type; 10-3/4 dia; 104.6 sq. in. area; 210 ft lb capacity
COOLING SYSTEM ----- Ribbed cellular radiator core; 407 sq. in. frontal area; 15 quart capacity
CRANKCASE VENTILATION ------- Vacuum-operated; closed system
DRIVE SYSTEM ---------- Hotchkiss
ENGINE ---------- Loadmaster; 235.5 cu. in. displ
GROSS HP ---------- 92 @ 3400 RPM
GROSS TORQUE -------- 182 ft lb @ 1500-1900 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 ---------- 35 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; 1700 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 suffix and model application see Option Section

	Wt	Number
AIR CLEANER -- AC make; oil bath type 1 pt capacity ----------	11F,2R	216
BRAKE BOOSTER (hydraulic) -- Short stroke; 7-inch dia; vacuum-operated --------	10F,7R	213
BUMPER, FRONT -- Rigid, channel-type; painted ----------	79F	367
CARRIER AND SPARE WHEEL		
For 15 in. tires ----------	51R	384
For 17 in. tires ----------	59R	384
GENERATOR -- Including voltage and current regulator, and pulley for high output 40 amp ----------	*	326
SHOCK ABSORBER SHIELDS, REAR -----	*	211
TIRES, MAXIMUM -- Front and rear; 7.50-17-8pr; 2100 lb (ea) capacity --	45F,47R	272
TRANSMISSION, 4-SPEED -- Synchro-mesh; power take-off opening on left side --	54F,17R	318
VACUUM BOOSTER AND FUEL PUMP ---	*	340

*- Weight is less than 10 pounds

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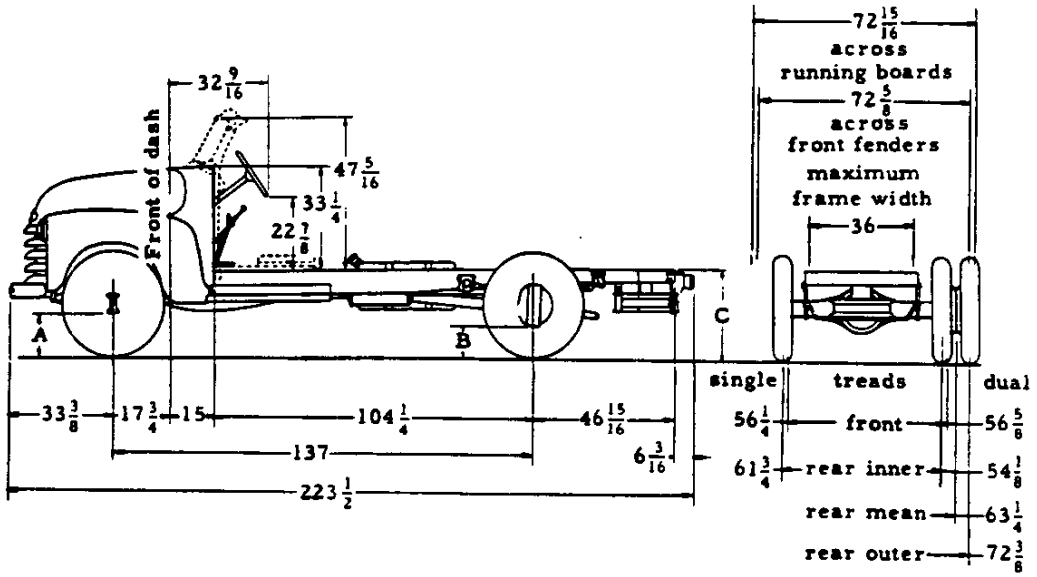
CHASSIS AND BODY DIMENSIONS

Model 3802 Flat Face Cowl Chassis
Model 3812 Windshield Cowl Chassis



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

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.

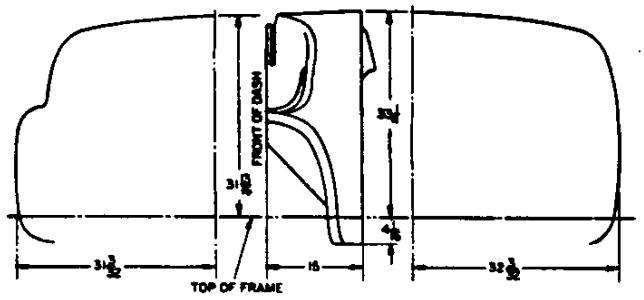
VEHICLE WEIGHTS AND LOAD DISTRIBUTION

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	
3802 ●	1825	1140	2965	1880	1275	3155	5300	Determined by style, length and weight of body.		
3812 ●	1930	1140	3070	1985	1275	3260	5200			

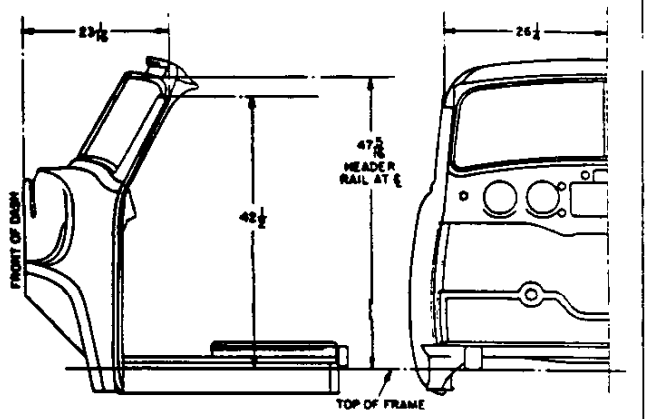
● - Estimated weight

COWL DIMENSIONS

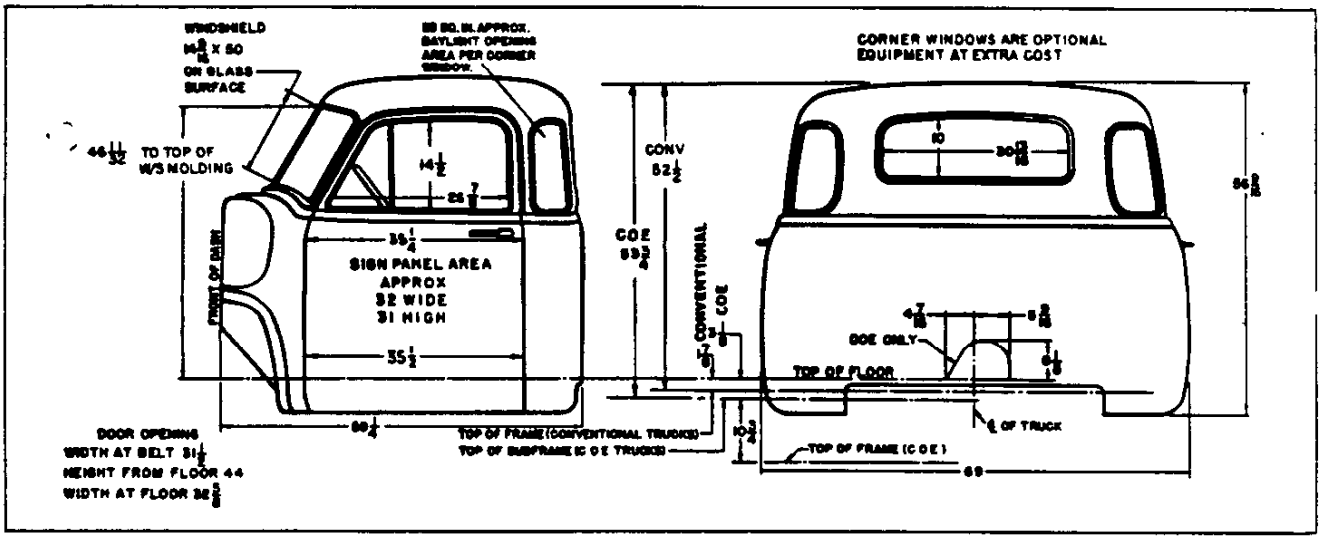
FLAT FACE COWL UNIT



COWL AND WINDSHIELD UNIT

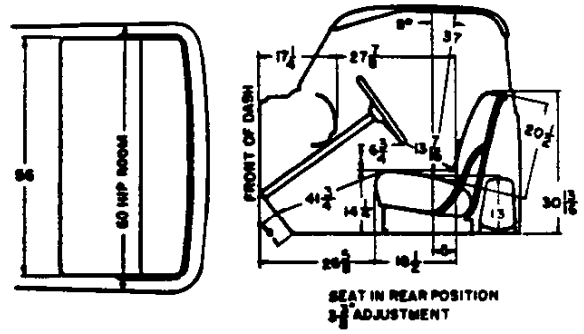


CAB EXTERIOR DIMENSIONS

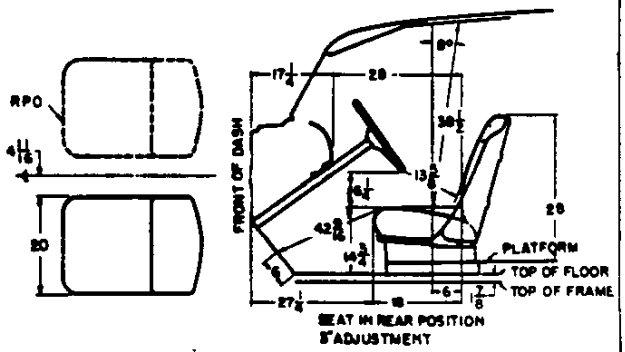


DRIVER COMPARTMENT AND SEAT DIMENSIONS

CAB



PANEL AND CANOPY EXPRESS



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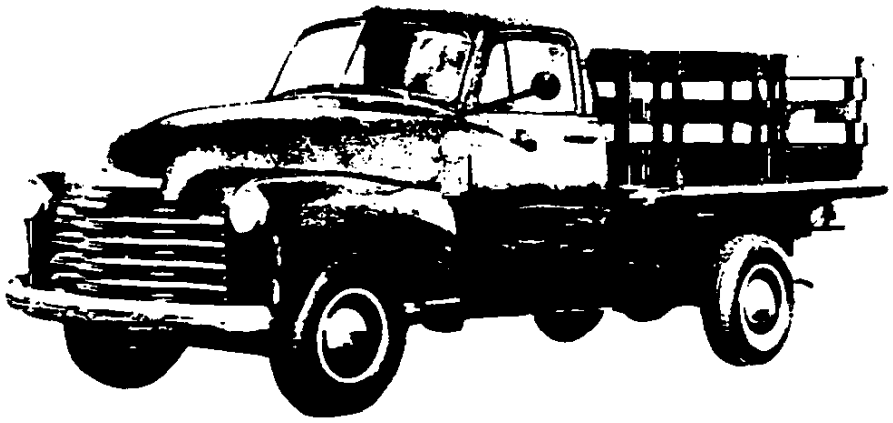
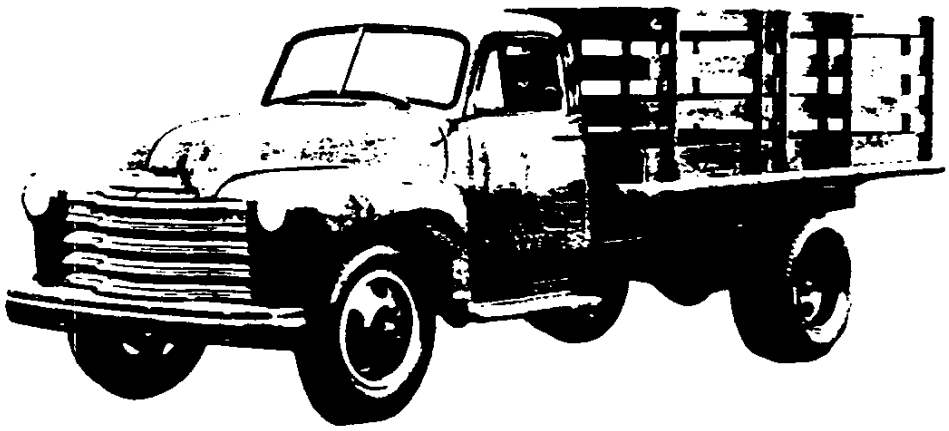
EXTERIOR APPEARANCE AND COLORS

Light Duty Trucks



Heavy Duty Trucks



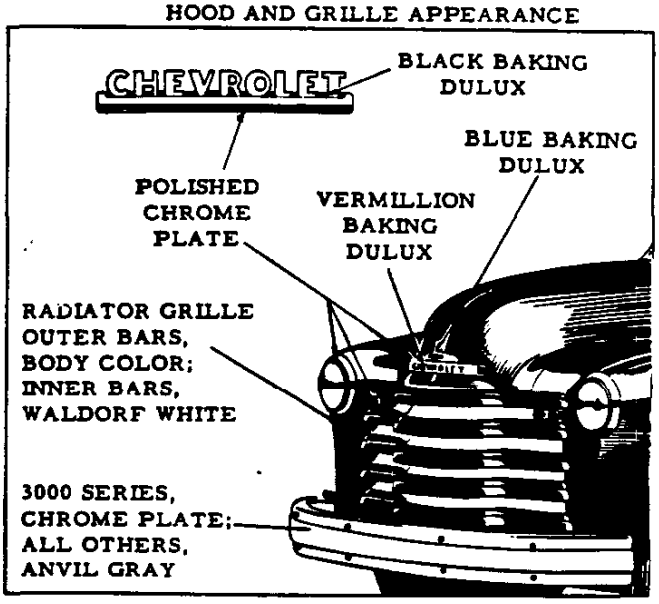
PAINT COLOR COMBINATIONS

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

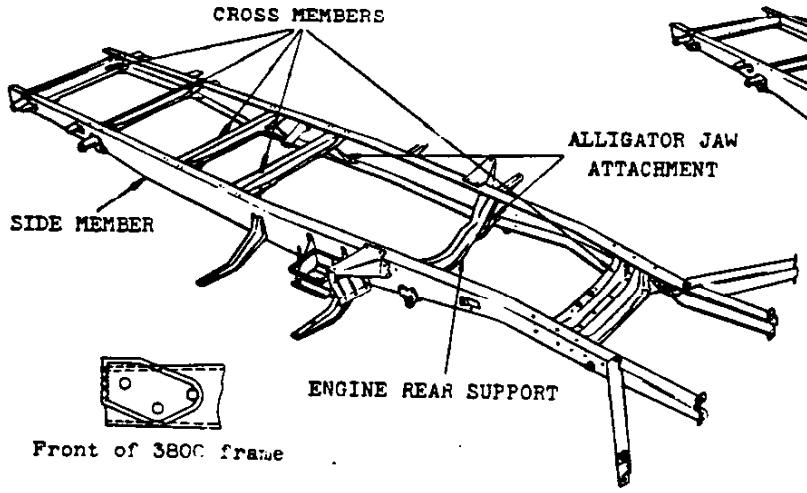
TYPES OF PAINT

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

HOOD AND GRILLE APPEARANCE

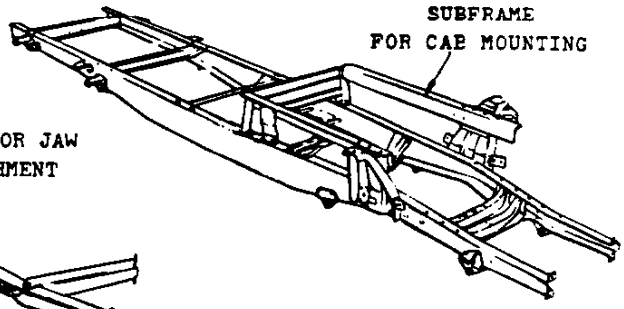


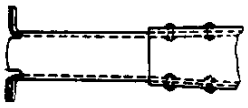
CONVENTIONAL TYPE OF FRAME



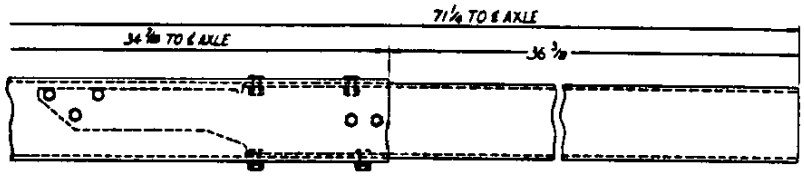
Front of 3800 frame

CAB-OVER-ENGINE TYPE OF FRAME





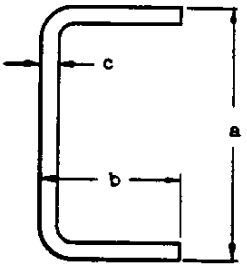
Front of 4100 frame showing extension



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	5	3.25
	3700		195-5/16			
	3800	137	211-1/8			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
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	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

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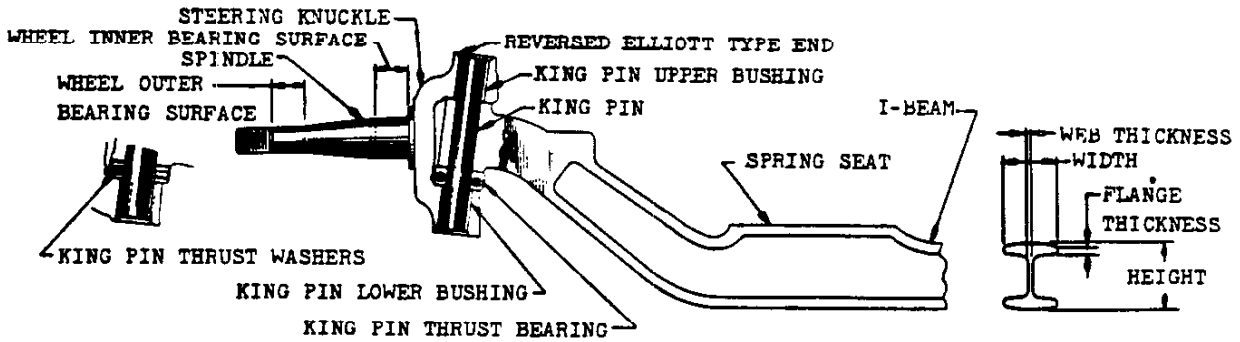
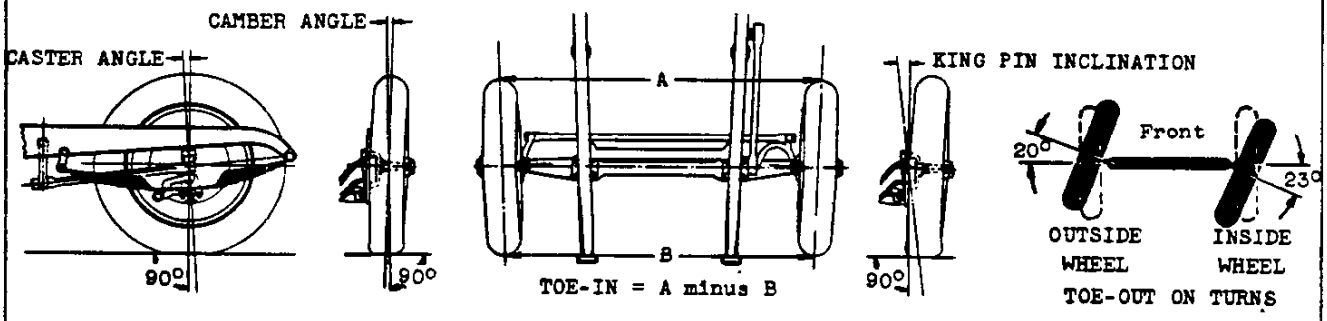
FRONT AXLE



ITEM			3100	3600	3800	3700 3900	4100 4400	4500 6000	5000
Type			Reversed Elliott (modified I-beam section)						
Rated capacity (pounds)			2200	2500	3500		4000	4500	
I-beam (average dimensions)	Height		2-1/8	2-1/4		2-1/2			2-5/8
	Width		1-3/4	2					
	Flange thickness		1/4	5/16		7/16			
	Web thickness		1/4	11/32		1/4			3/8
	Section modulus		70 in. cubed	1.14 in. cubed		1.48 in. cubed			1.61 in.cu.
King pin	Diameter		.8660-.8665	.9210-.9214		1.1090-1.1094			
	Bushing	Type	Floating	Pressed into steering knuckle					
		Length x I D	1-5/16 x .867-.868	1-17/64x.922-.923		1-25/64 x 1.110-1.111			
King pin thrust bearing	Type		Anti-friction bearings---See page 156			Copper and steel washers			
	Diameter	Inside				1.130-1.135 across flats			
		Outside				2-1/16			
Spindle diameter	At inner bearing		1.2801-1.2806	1.4051-1.4056			1.7493-1.7498		
	At outer bearing		.7490 - .7495	.8427 - .8432			1.0293-1.0298		
Front wheel bearings			Anti-friction bearings---See page 156						

FRONT WHEEL ALIGNMENT



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

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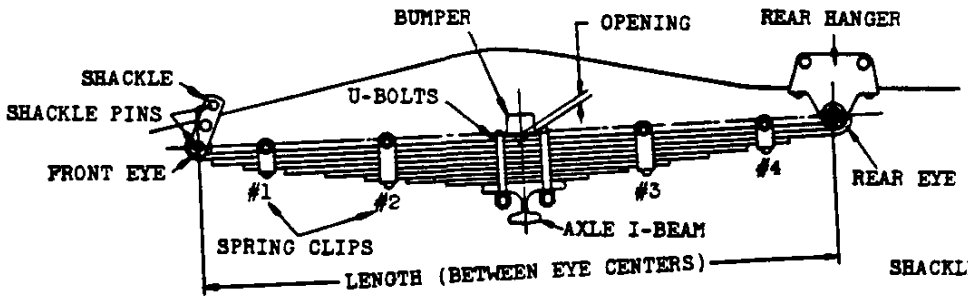
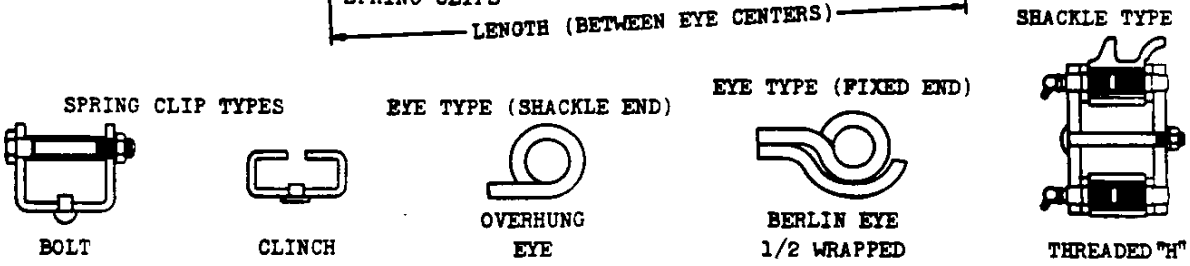
FRONT SUSPENSION





ITEM			3100	3600	3700 3900 (RPO 4100 4400)	3800	4100 4400	4502 6000	5100	5400 5700
Springs	Type		Semi-elliptic							
	L E A V E S — Material		Chrome carbon steel							
	Number		8			7		9		11
	Thickness (leaves numbered from top to bottom)	#1,2,3,4,5	.237		.291					
		#6,7								
		#8								
		#9								
		#10,11								
		Total	1.896		2.328	2.037		2.619		3.201
	Load in pounds at opening height		810 to 890 @ 1/2		1215 to 1335 @ 7/8	950 to 1050 @ 1-3/16		1475 to 1625 @ 39/64		1800 to 1980 @ 1-7/8
	Average rate of deflection (pounds per inch)		315		575	495		640		780
	Capacity at ground (pounds)		1000	1050	1700	1600		2200		2400
	Length x width		38 x 1-3/4		40 x 2					
	Spring clip type (see figure)	#1	Clinch		Bolt					
		#2								
		#3	Clinch							
		#4			Bolt					
Spring mountings	Shackle end	Located at	Front		*	Front			Rear	
		Pin, type & dia	Threaded "H", .6595 - .6645 - 11 thread							
	Fixed end	Bushing	Plain 7/8 O D							
		Bolt size	11/16 OD x 3-3/8		11/16 OD x 3-5/8					
	U-bolt diameter		1/2	9/16					5/8	
	Bumper		Rubber, mounted on top of spring main leaf at center bolt							
	Included angle		6°59'		7°56'	6°59'		7°56'	7°49'	
	Spring center-to-center		26-13/16 (measured on axle I-beam)							
Shock absorbers (hydraulic)	Type		Reg equip, direct double acting					RPO, cam and lever double acting		
	Model		808M					1730B	1730C	
	Valve code		4J6/J1					G2 Compression 2R Rebound		
	Piston diameter		1					1-1/2		
Ride stabilizer			On models 3102-05-06-12-16, 3742, 3942. Frame to front springs							

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

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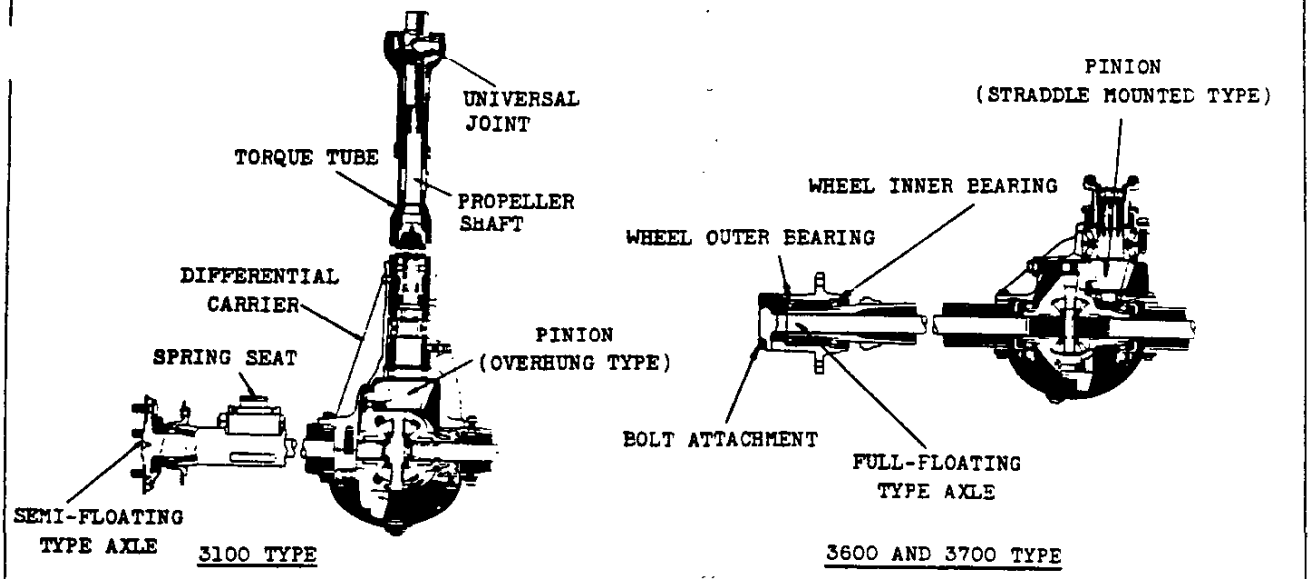
REAR AXLE



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					
nal gears	Type	Spiral Hypoid							
	Ratio	4.11:1		4.57:1		5.14:1			
	Teeth	37 & 9		32 & 7		36 & 7			
Gear backlash		.005-.008							
Pinion	Mounting	Overhung		Straddle					
	Adjustment	Shim and collar		Shims					
	Thrust	Against pinion front bearing							
Total gear reduction *	Transmission	3-speed	4-speed	3-speed	4-speed	3-speed	4-speed	3-speed	4-speed
	First	12.08	29.02	13.44	32.26	15.11	36.29	15.11	36.29
	Second	6.90	14.71	7.68	16.36	8.64	18.40	8.64	18.40
	Third		7.03		7.81		8.79		8.79
	Direct drive	4.11		4.57		5.14		5.14	
	Reverse	12.08	27.87	13.44	30.98	15.11	34.85	15.11	34.85
Axle shaft torque (ft lb)@	First	1746	2656 @	1942	4662	2183	5244	2260	5429
	Second	997	2126	1110	2364	1248	2659	1293	2753
	Third		1016		1129		1270		1315
	Direct drive	629		699		786		814	
	Reverse	1746	2656 @	1942	4477	2183	5036	2260	5214
Lubricant capacity		4-1/2 pints		6 pints					
Differential type		Two pinion		Four pinion					
Axle shaft	Type	Shaft and drive flange integrally forged							
	Minimum dia	1-5/32		1-11/32					
	Hub attachment	Integral		Bolted					
Drive taken through		Springs		Springs (Hotchkiss)					
Torque taken through		Torque tube							
Anti-friction bearings		See page 156							

* - 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

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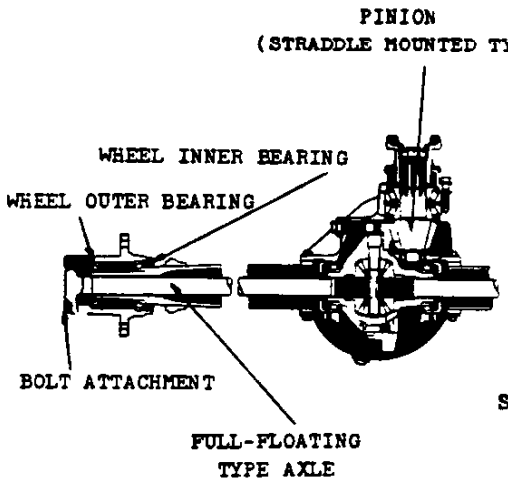
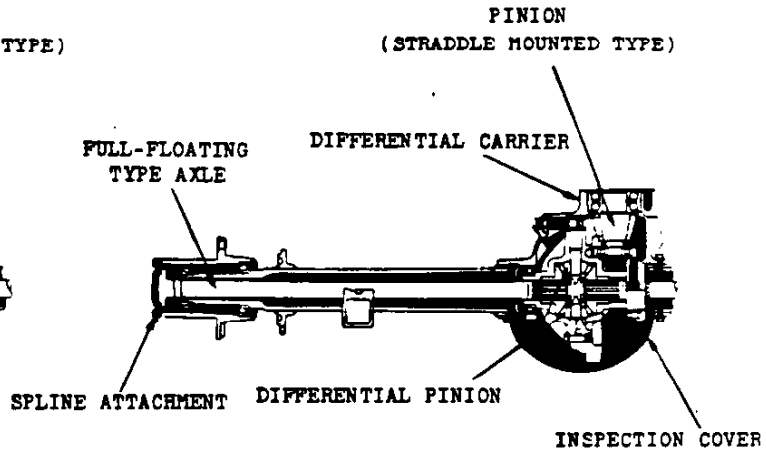


3800 AND 3900 TYPE



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) @	First	5244	5429	5540	6294	6924	6887
	Second	2659	2753	2809	3192	3511	3492
	Third	1270	1315	1342	1524	1677	1668
	Direct drive	786	814	831	944	1038	1033
	Reverse	5036	5214	5320	6044	6649	6613
Lubricant capacity		6 pints		11 pints		12 pints	
Differential type		Four pinion					
Axle shaft	Type	Shaft and drive flange integrally forged					
	Minimum dia	1-11/32		1-7/16		1-9/16	
	Hub attachment	Bolted		Splined			
Drive taken through		Springs (Hotchkiss)					
Torque taken through							
Anti-friction bearings		See page 156					

* - Axle ratio x transmission ratio.

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

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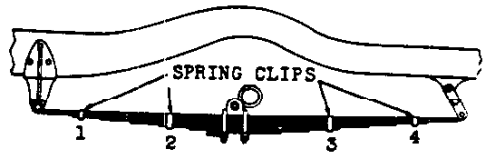
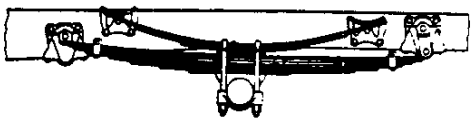
REAR SUSPENSION

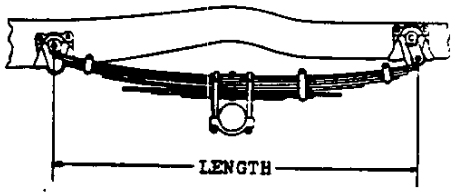
SEMI-ELLIPTIC TYPE



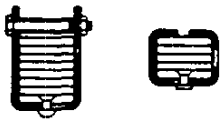
SEMI-ELLIPTIC, TWO STAGE & AUXILIARY TYPE



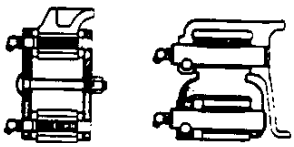
SEMI-ELLIPTIC, TWO STAGE TYPE



SPRING CLIP TYPES



SPRING SHACKLE TYPES



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

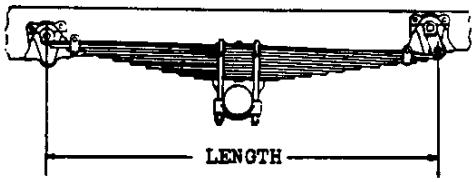
REAR SHOCK ABSORBERS

ITEM			3100	3600	3700	3800	3900
Direct double acting			Regular equipment			RPO	
	Model and valve code		1066Z, 6R8/J1	1066T, 6R8/J1		967U, 8J10/A1	
Cam and lever double acting							RPO
	Valve code	Compression					GO
		Rebound					1R
	Piston diameter		1			1-3/8	1-1/2

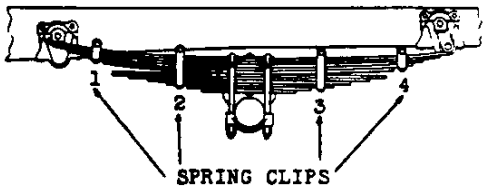
Continued

REAR SUSPENSION—Continued

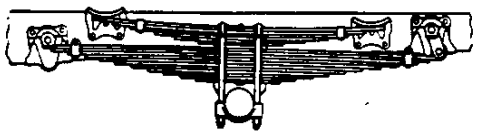
SEMI-ELLIPTIC, HEAVY DUTY TYPE



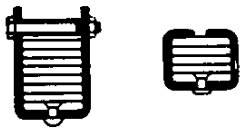
SEMI-ELLIPTIC, TWO-STAGE TYPE



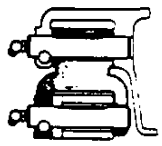
SEMI-ELLIPTIC AND AUXILIARY TYPE



SPRING CLIP TYPES



CLEVIS TYPE SHACKLE



ITEMS				4500,6700 Reg 4100,4400,6100,6400 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	3.949	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#	1125	1530
	Capacity at ground (lb)			5600	4465	7800
	Length x width			46 x 2-1/2		31 x 2-1/2
	Spring clip type (see figure)		Clinch			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	1-1/8 OD		
			Pin size	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
Shock absorbers	Type	Cam and lever double acting, RPO 200
	Piston diameter	1-3/4
	Valve code	G2 compression, 2L rebound

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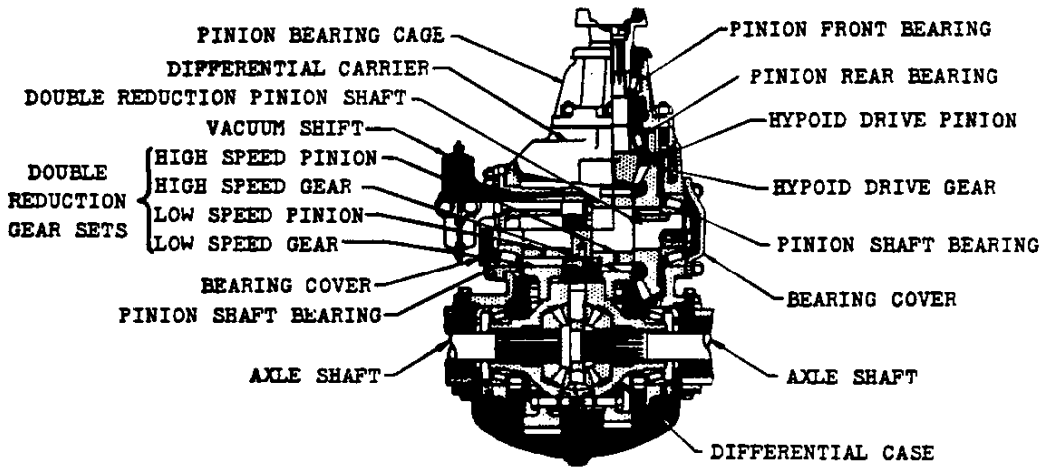
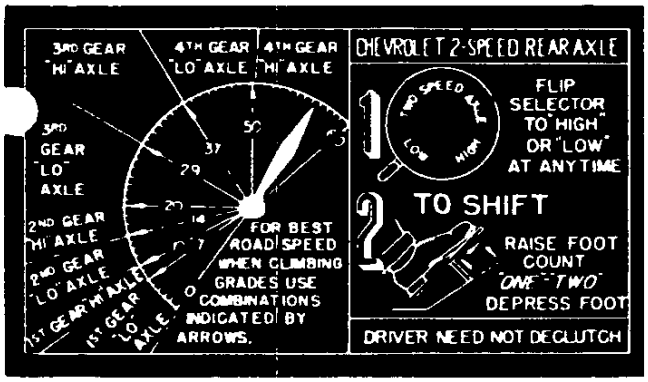
TWO-SPEED REAR AXLE (RPO 202 FOR ALL 5000-6000 MODELS)



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 ---------- Forged steel
Type ---------- Shaft and drive flange integrally forged -- Spline attachment
Minimum diameter ---------- 1-9/16
Anti-friction bearings ---------- See page 156
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	6879	9090	6843	9042
Second	3.58	21.95	29.00	3489	4610	3470	4585
Third	1.71	10.48	13.85	1666	2201	1657	2190
Direct drive	1.00	6.13	8.10	1032	1363	1026	1356
Reverse	6.78	41.56	54.92	6606	8730	6571	8683

* - Rear axle ratio x transmission ratio.
Total gear reduction x engine max. net torque x efficiency factor (.90 direct drive; .85 all others).
⊕ - Gear change points are for 8.25-50 tires.

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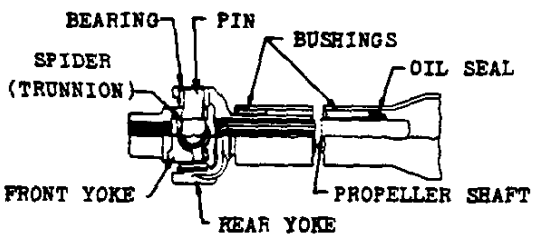
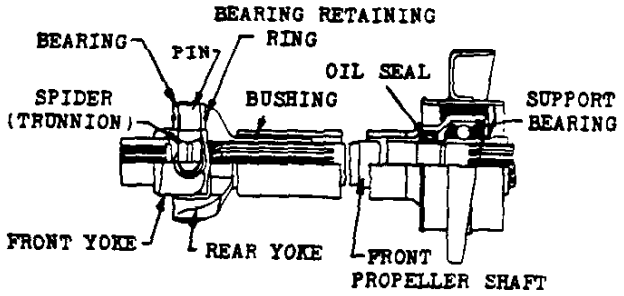
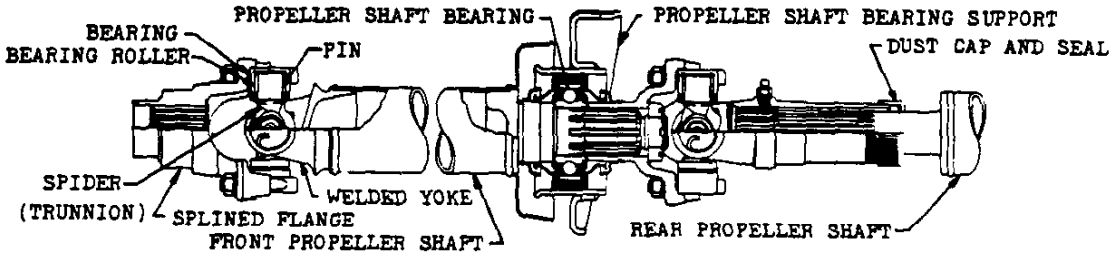
UNIVERSAL JOINT-3100 SERIES



FRONT UNIVERSAL JOINT-3600, 3700 SERIES



DRIVE TRAIN-3800, 3900, 4000, 5000, 6000 SERIES



UNIVERSAL JOINTS

ITEM			3100	3600,3700	5100	3800,3900,4100,4400 5400,5700,6100,6400	4500	6500 6700
Type and material			Yoke and trunnion, drop-forged steel; trunnion, case hardened					
Number used			1	3	2	3		4
Pin diameter		Front	.6835-.6845	.716-.717		.7385-.7390		
		Center & Rear						
U-joint trunnion bearings	Type	Front	Bushing			Anti-friction See page 156		
		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				
4500, 6700 School bus 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 156)				1		1		2

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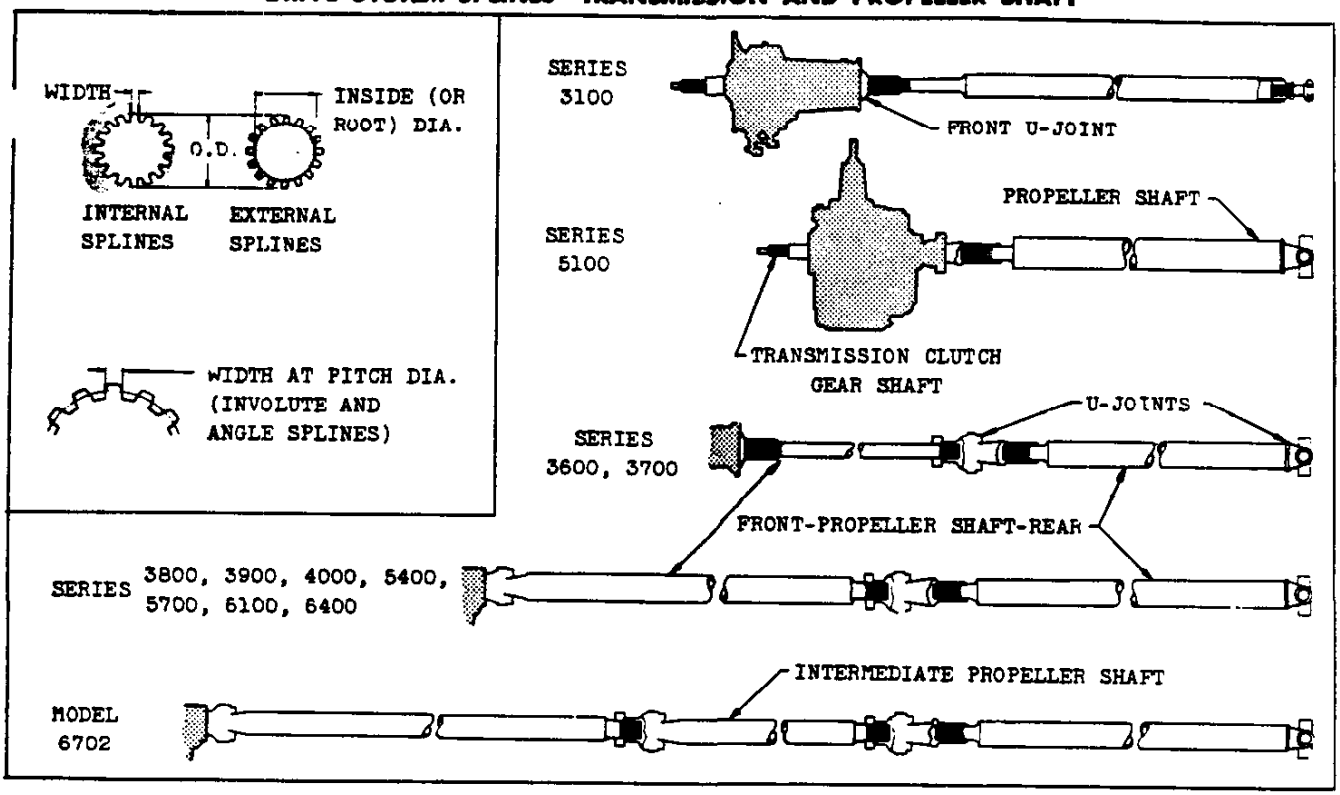
DRIVE SYSTEM SPLINES—TRANSMISSION AND PROPELLER SHAFT



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	.169 - .172
	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	.1939 - .1954
	I.D.	1.155 - 1.158	1.123 - 1.125
	O.D.	1.373 - 1.376	1.350 - 1.360
	Splines	10 (involute)	

PROPELLER SHAFT FRONT END AND U-JOINT REAR YOKE

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

FRONT PROPELLER SHAFT 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

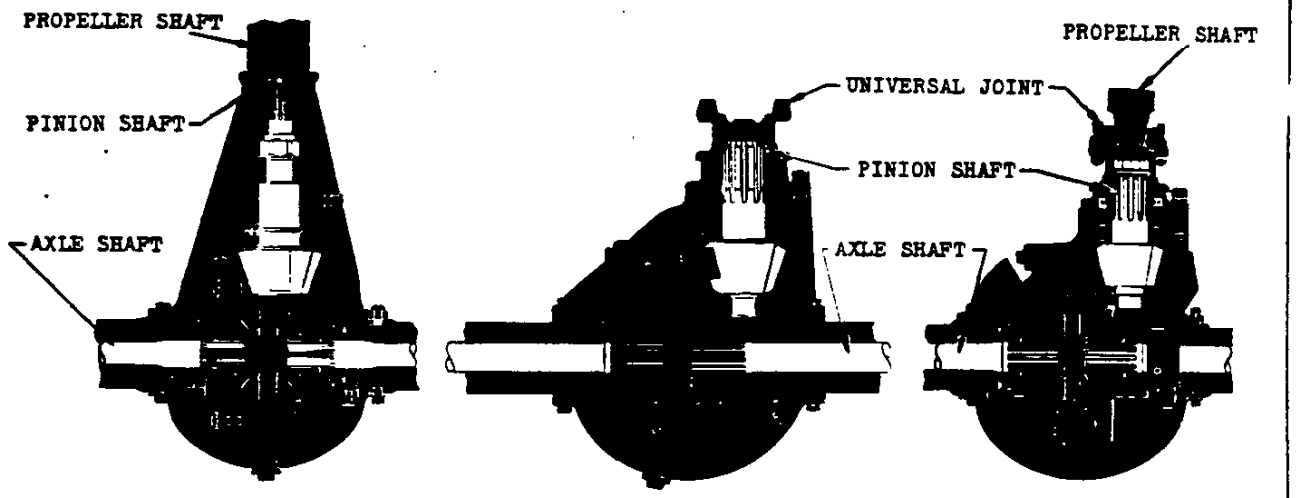
SERIES	ITEM	INTERNAL	EXTERNAL
6500 & 6702	Width	.2130 - .2145	.2125 - .2140
	I.D.	1.208 - 1.213	1.120 - 1.130
	O.D.	1.374 - 1.375	1.372 - 1.373
	Splines	10 (straight side)	

REAR PROPELLER SHAFT FRONT END AND U-JOINT SLEEVE YOKE

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

⊕ - 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	.0951 - .0971
	I.D.	.985 - .989	.962 - .970
	O.D.	1.0835-1.0935	1.068 - 1.074
	Splines	17 (involute)	

PROPELLER SHAFT PINION FLANGE AND REAR AXLE DRIVE PINION SHAFT

SERIES	ITEM	INTERNAL	EXTERNAL
3600*, 3700, 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.	1.3005-1.3105	1.2795-1.2845
	Splines	17 (involute)	
3600*, 3700 3800, 3900	Width	.1499 - .1509	.1479 - .1499
	I.D.	1.4245-1.4285	1.399 - 1.407
	O.D.	1.5485-1.5595	1.5275-1.5325
	Splines	17 (involute)	
4000*	Width	.259 - .262	.256 - .258
	I.D.	1.472 - 1.477	1.440 - 1.450
	O.D.	1.6735-1.6785	1.6345-1.6445
	Splines	10 (straight side)	
5000 & 6000 with regular prod. axle	Width	.173 - .175	.170 - .172
	I.D.	1.612 - 1.617	1.562 - 1.572
	O.D.	1.774 - 1.784	1.722 - 1.730
	Splines	16 (angle side)	
5000 & 6000 RPO 202§ axle	Width	.173 - .175	.170 - .172
	I.D.	1.615 - 1.617	1.562 - 1.572
	O.D.	1.782 - 1.784	1.722 - 1.730
	Splines	16 (angle side)	

* - with regular or RPO axle

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

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BRAKES

ITEM			3100	3600	3700	3900	3800	4000	5000	6000
Parking brake	Type		Mechanical. Rods and cables to rear brakes					Mechanical. Drum on prop shaft		
	Actuated by		Foot pedal				Hand lever			
	control location		LH side of clutch pedal on floor				Transmission	LH of pedals		Transmission
	Drum	Diameter	11	12		14		Inner 9.5, outer 10		
		area (eff)	121	151		220		138 sq. in.		
	Lining	Material	Full molded asbestos composition							
		Clearance	See adjustment for rear service brake					.010 to .015; both shoes		
		Area (eff)	74	101		147		35		
Service brake	Type	Front	Servo-type Single-anchor	Double-articulating shoe						
		Rear						Double-cyl, balanced servo-type		
Drum	Type	Front	Composite. Cast alloy iron rim, pressed steel web							
		Rear						One-piece, cast iron		
	Dia (front, rear)		11	11 & 12	12	12 & 14		14 & 15		
	Total area in sq. in. (effective)	Front	138	121	151	151		176		
		Rear	121	151	151	220		377		
		Total	259	272	302	371		553		
Lining	Material		Full molded asbestos composition							
	Width	Front	2	1-3/4	2					
		Rear	1-3/4	2		2-1/2		4		
	Thickness before grinding	Front	.202 - .222	.187-.194	.265 - .272					
		Rear			.392 - .412					
	Adjust to slight drag and:	Front	Back off 14 notches; clearance .010	Back off 4 notches						
		Rear				Back off 2/3 screw turn		Back off 1 to 2 notches		
	Attachment		Bonded					Riveted		
	Lining area in sq. in. (effective)	Front	84	75	101	101		115		
		Rear	74	101	101	147		241		
		Total	158	176	202	248		354		
Braking effort	Front		56%	45%	50%			46%		
	Rear		44%	55%	50%			54%		
Approx braking ratio	Pedal		6.330		6.785		6.330	6.534		6.330
	Hydraulic		7.16	8.84	9.68			10.60		
	Overall		45.33	55.97	65.69		61.29	67.10	69.26	67.10
Foot pedal	Travel		7.938		7.875		7.938		8.00	7.938
	Pad cover		Molded rubber							
Wheel cylinder	Diameter	Front	1-1/8	1-1/4	1-3/8					
		Rear	1					1-1/2		
	Piston travel		.175	.141	.129			.118		
Main cylinder	Diameter		1-1/8	1-1/4						
	Piston travel		1-1/4							
Brake fluid capacity			Approximately 3/4 pint					Approximately 1 pint		
Brake fluid recommended			Delco Super #10, 11 or 12							

BRAKE BOOSTER EQUIPMENT

ITEM		3600	3700	3900	3800	4000	5000	6000
Brake booster equipment (hydraulic)	Available as	RPO 213				RPO 212	Standard equipment	
	Type	Single piston, vacuum suspended, reactionary valve						
	Power distribution	At 800 PSI line pressure, distribution is 55% by pedal, 45% by booster				At 1000 PSI line pressure, distribution is 37% by pedal, 63% by booster		
	Pedal pressure (actual test)	At 800 PSI line pressure, pedal pressure is 175 lbs without booster, 100 lbs with booster				At 1000 PSI line pressure pedal pressure is 204 lbs without booster, 80 lbs with booster		
Vacuum power reserve tank	Available as					RPO 281: on 4100 with RPO's 212 & 233; on 44 & 4500 with RPO 212	RPO 281	
	Size					24 long x 7-1/2 ID; 1000 cu. in. capacity		
	Location					Clamped to outside of left side rail		

ENGINE GENERAL

BASIC DESIGN DATA

ITEM		3100	3600	3800	4100, 4400	4502	3700	3900	5000	(4000 RPO), 6000	6702
Piston displacement		Thriftmaster 216.5 cu. in.					Loadmaster 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					6.7:1				
Taxable (SAE) horsepower		29.4					30.4				
Idling speed		450-500 RPM									
Comp pressure (engine hot)		110 PSI at cranking speed (210-220 RPM)									
Dry weights (pounds)	Engine and clutch	577	582				603		612	600	
	with transmission	634	640	711	740		661	732	770	758	
Governor equipment		RPO 241				Regular			RPO 241		Reg.
Governed speed		Range 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	92 @ 3400 RPM	100 @ 3500 RPM	105 @ 3600 RPM
	Net	85 @ 3300 RPM	85 @ 3300 RPM	96 @ 3400 RPM	98 @ 3500 RPM
Torque (ft lb)	Gross	176 @ 1000-2000 RPM	182 @ 1500-1900 RPM	190 @ 2000 RPM	193 @ 2000 RPM
	Net	170 @ 1000-2000 RPM	176 @ 1500-1900 RPM ∮	187 @ 2000 RPM	186 @ 2000 RPM

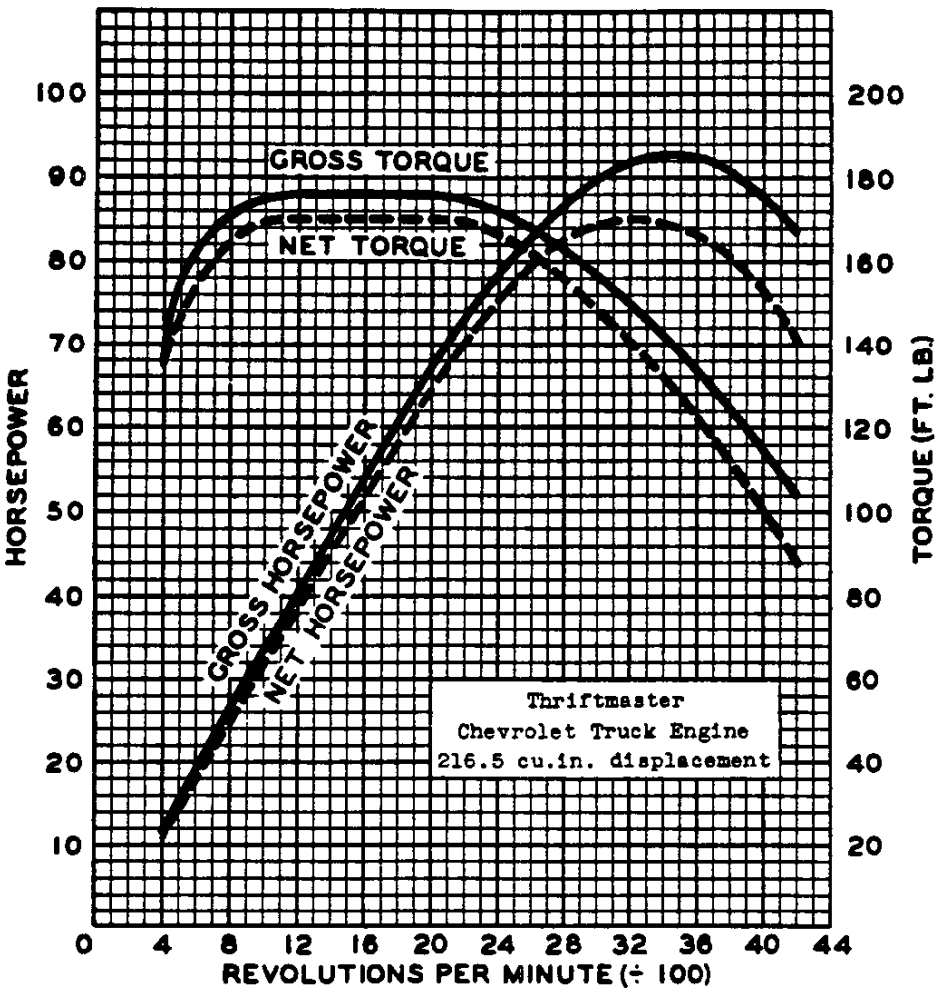
ENGINE SPEED AND PISTON TRAVEL ①

SERIES	TIRE SIZE	AXLE RATIO		TRANSMISSION TYPE	ENGINE RPM AT ONE MILE PER HOUR				PISTON TRAVEL (ft/mi)		CRANKSHAFT (rev/mile)
					LOW	SECOND	THIRD	HIGH ②	THRIFTMASTER	LOADMASTER	
3100	6.00-16	4.11:1		3-speed	150	86		51	1909		3054
				4-speed	359	182	87				
	6.50-16			3-speed	147	84		50	1870		2992
				4-speed	352	179	85				
	6.70-15			3-speed	152	87		52	1934		3095
				4-speed	364	185	88				
	15"			3-speed	144	82		49	1837		2939
				4-speed	346	175	84				
3600	15"	4.57:1		3-speed	160	91		54	2045		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 ⑤	3329
	7.00-20				381	193	92	54	2023	2124 ⑤	3236
	7.50-20				365	185	88	52	1938	2034 ⑤	3100
	6.50-20	6.17:1			445	226	108	63	2364	2482 ⑤	3782
	7.00-20				433	219	105	61	2298	2413 ⑤	3677
	7.50-20				415	210	100	59	2202	2312 ⑤	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

① - 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.
② - Also known as H/V factor. * - 3600, 3800 only. ● - 3700, 3900 only. ⑤ - RPO. ∮ - Estimated.

8-15-51

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 a 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, fan in operation and automatic spark advance. The generator is not charging.

October 23, 1951

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

Geo. W. Proctor
Transport Engineer

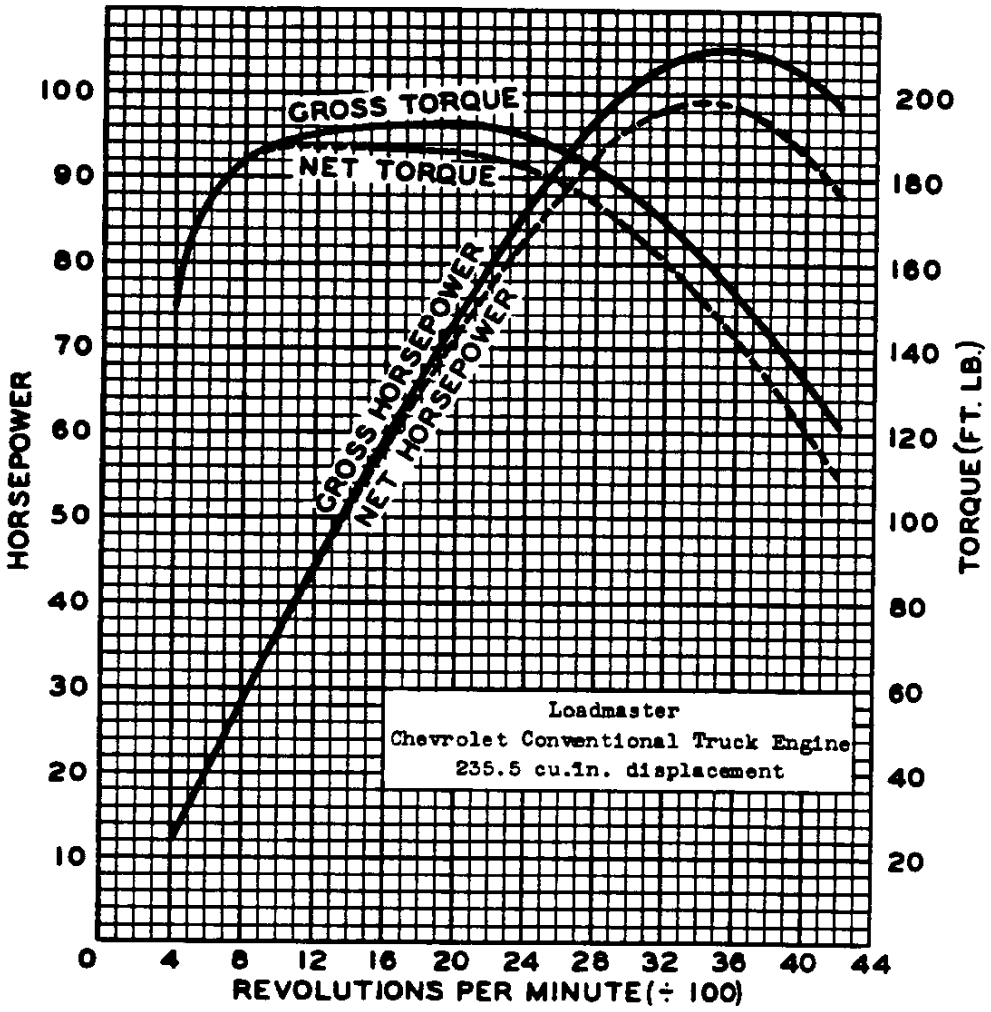
State of Michigan
County of Wayne

On this 23rd day of October 1951 personally appeared before me, Geo. W. Proctor, 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

11-1-51

ENGINE PERFORMANCE



The engine performance curves shown on this sheet are taken from Chevrolet engine test report 16230-1. 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 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.

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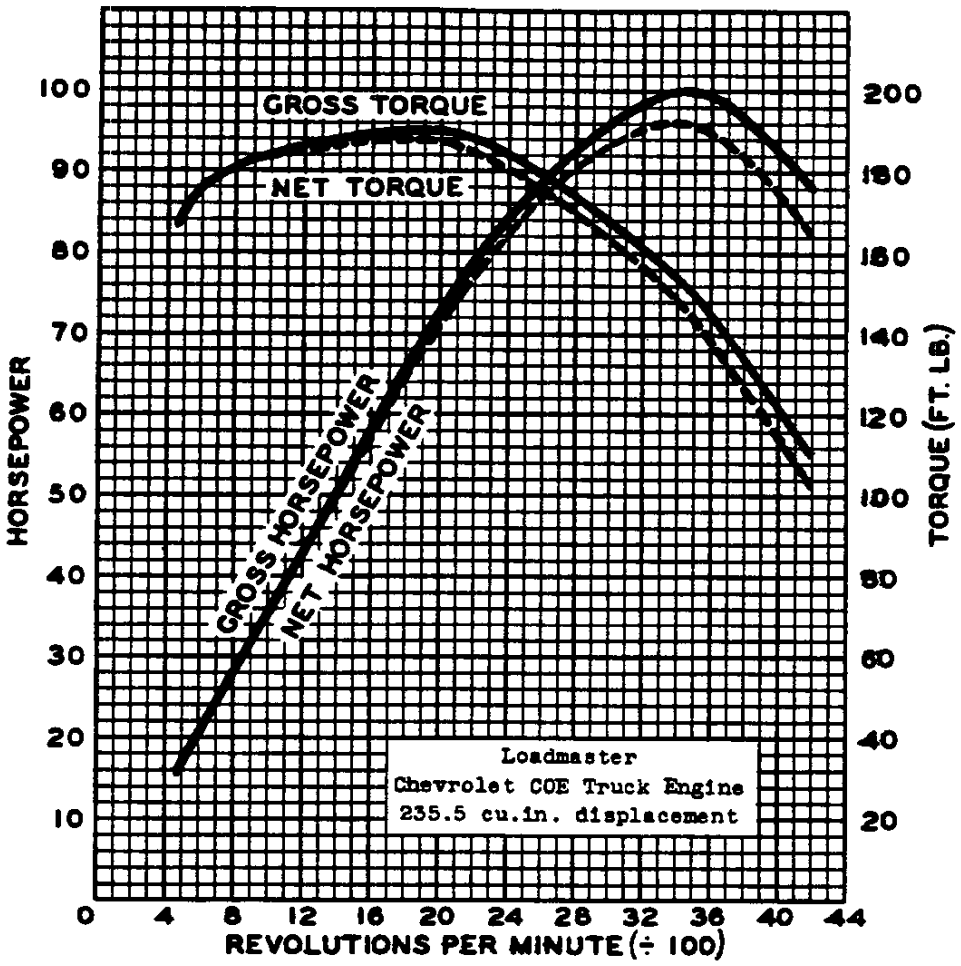
11-1-51

ENGINE PERFORMANCE



The engine performance curves shown on this sheet are taken from Chevrolet engine test report 16402-19. They represent the full throttle performance of a Loadmaster Chevrolet COE 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.

October 23, 1951

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DIVISION OF GENERAL MOTORS CORPORATION

Geo. W. Proctor
Geo. W. Proctor
Transport Engineer

State of Michigan
County of Wayne

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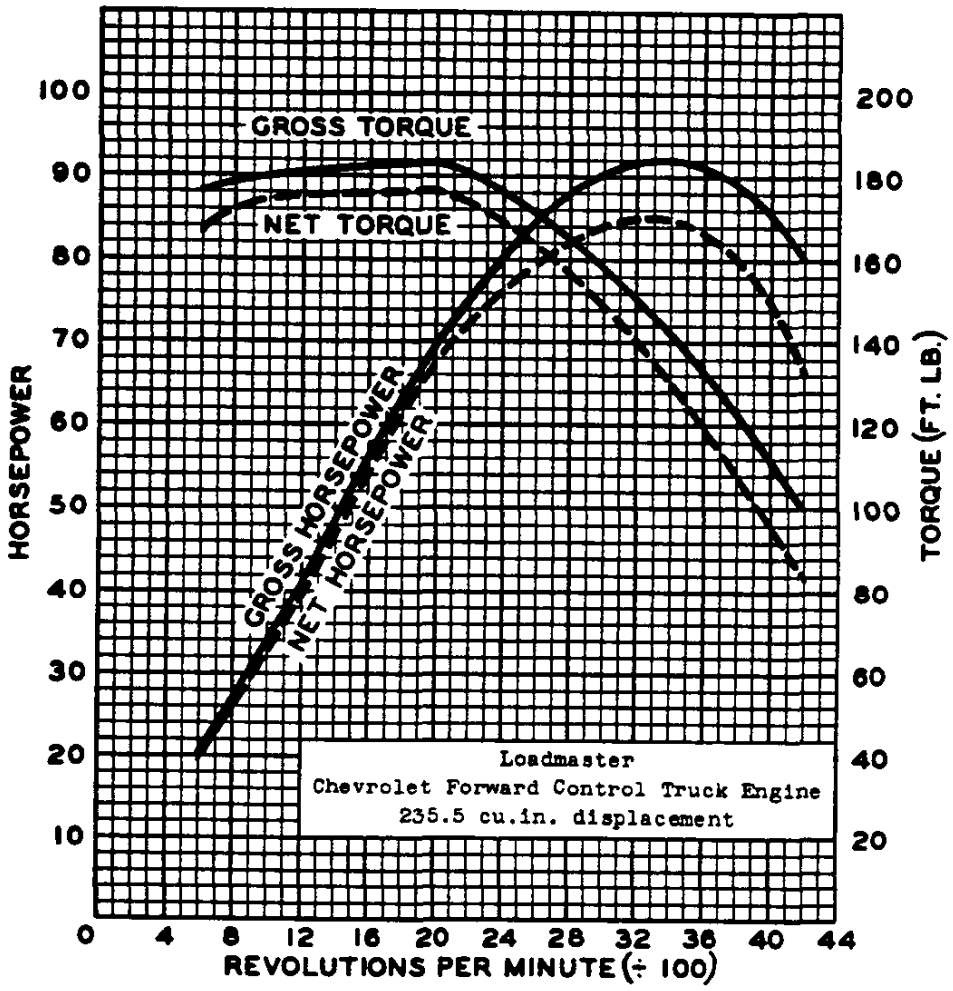
M. Woodward
Notary Public, Wayne County
My commission expires August 2nd, 1953

11-1-51

ENGINE PERFORMANCE



The engine performance curves shown on this sheet are taken from Chevrolet engine test report 16090-127. They represent the full throttle performance of a 235.5 cu. in. displacement forward control truck engine 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 are estimates of a dynamometer test simulating actual operating conditions when the engine is in its vehicle. It includes the use of the regular muffler and pipes, the fan in operation and automatic spark advance. The generator is not charging.

11-1-51

October 23, 1951

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CHEVROLET - CENTRAL OFFICE - ENGINEERING DEPT.
DIVISION OF GENERAL MOTORS CORPORATION

Geo. W. Proctor
Geo. W. Proctor
Transport Engineer

State of Michigan
County of Wayne

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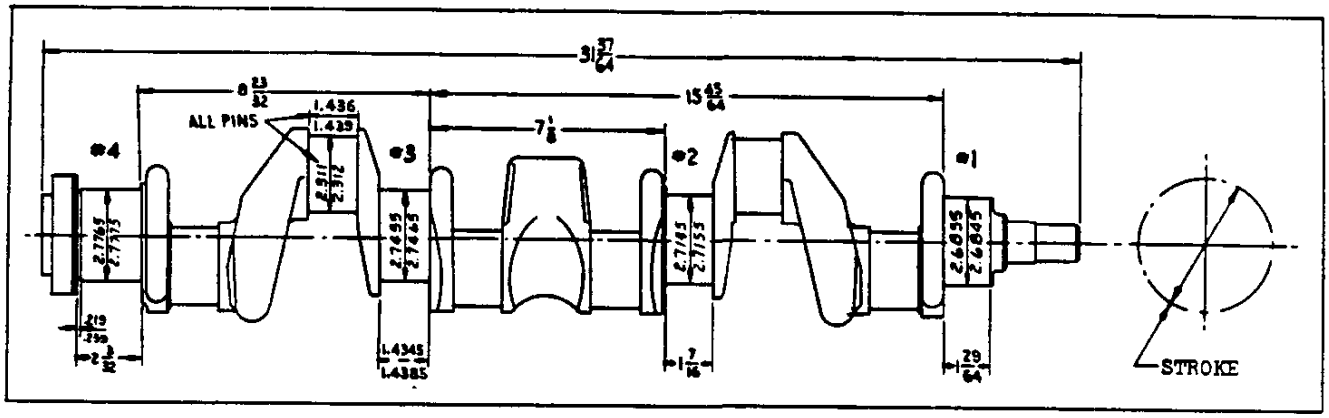
M. Woodward
Notary Public, Wayne County
My commission expires August 2nd, 1953

CYLINDER AND CASE AND HEAD

Material ---------- Cast alloy iron
Cyl. head bolt torque:
Thriftmaster (216.5 eng.) -- 70-80 ft. lb.
Loadmaster (235.5 eng.) --- 90-100 ft. lb.

Offset ---------- None
Bore diameter:
Thriftmaster (216.5 eng.)-- 3.4995-3.5015
Loadmaster (235.5 eng.) --- 3.5620-3.5640

CRANKSHAFT AND BEARINGS



CRANKSHAFT

Material ---------- Drop-forged steel
Weight -- Thriftmaster . 70 lb: Loadmaster , 71 lb
End play ---------- .003-.009
Counterweights ---------- 7
Stroke- Thriftmaster ---------- 3-3/4 ± .005
Loadmaster ---------- 3-15/16 + .005

HARMONIC BALANCER (Vibration damper)

Type ---------- Oscillating (Rubber-floated)
Fan drive pulley diameter ---------- 6-1/32

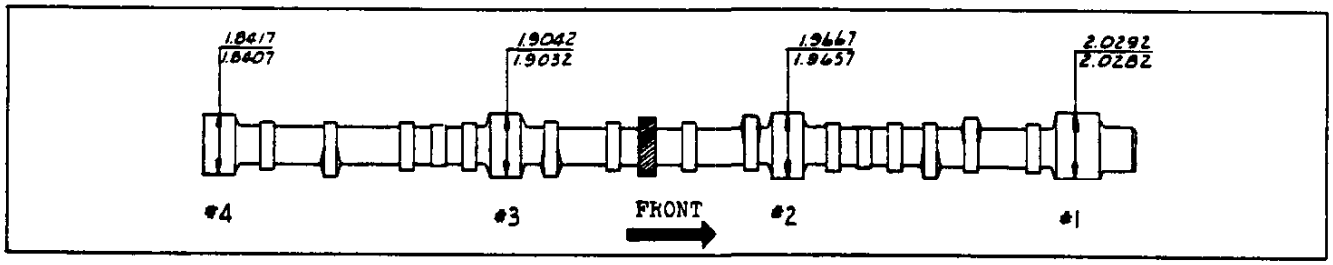
MAIN BEARINGS

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	2.758 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	1-5/8	4.071 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 ---------- Free to .003 maximum
Ramp: Inlet ---------- .0111
Exhaust ---------- .014

DRIVE

Make and type ---------- Chevrolet, helical gear
Driven gear (on camshaft) material:
Thriftmaster ---------- Bakelite and fabric composition with steel hub insert
Loadmaster ----------
-------- Aluminum alloy with steel hub insert
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 θ
#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.

θ - Based on overall length shown above.

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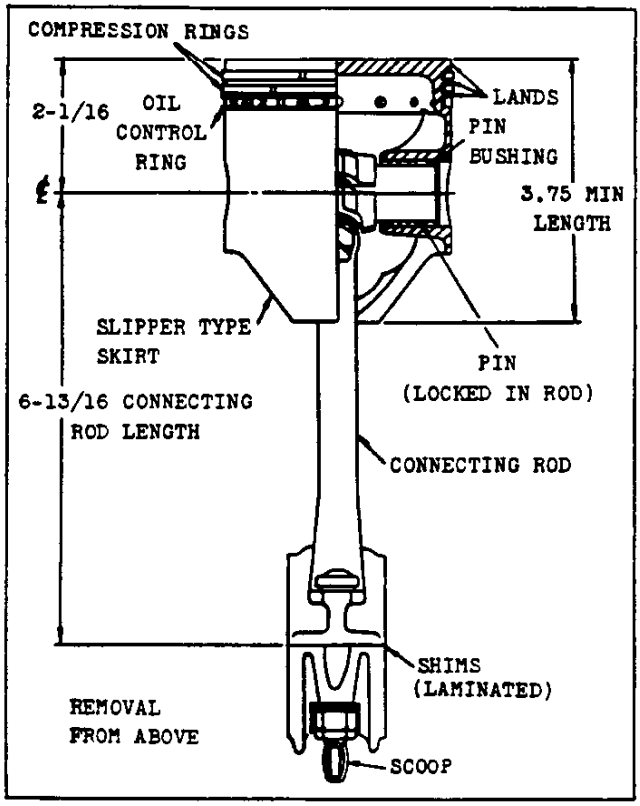
PISTON—PIN—RINGS



PISTON

Make, material ---------- Own, cast alloy iron, surface treated with a wear resistant coating
Size (dia) -- 216.5 eng, 3-1/2; 235.5 eng, 3-9/16
Features -------- Flat head; oval, slipper skirt
Head thickness at center ---------- 216.5 engine, .180-.190; 235.5 engine, .200-.210
Diametrical relief at lands ---------- 216.5 engine, .015-.023; 235.5 engine, .014-.022
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, 5/32 drill
Piston pin and bushings: Type -- Pressed into piston
- Material ---------- Cast bronze
- Size --- 15/16 long x slip fit on piston pin
- Weight (each) ---------- .06 lb

Weights	216.5 engine	235.5 engine
Piston alone	1.80 lb	2.00 lb
Piston and bush assy	1.91 lb	2.11 lb
Piston, bushings, rings, pin and conn rod upper end x 6	16.97 lb	18.12 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 eng, two; 235.5 eng, 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 -- Deep section twist, cast alloy iron, treated with wear resistant coating
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) ---------- .05 lb

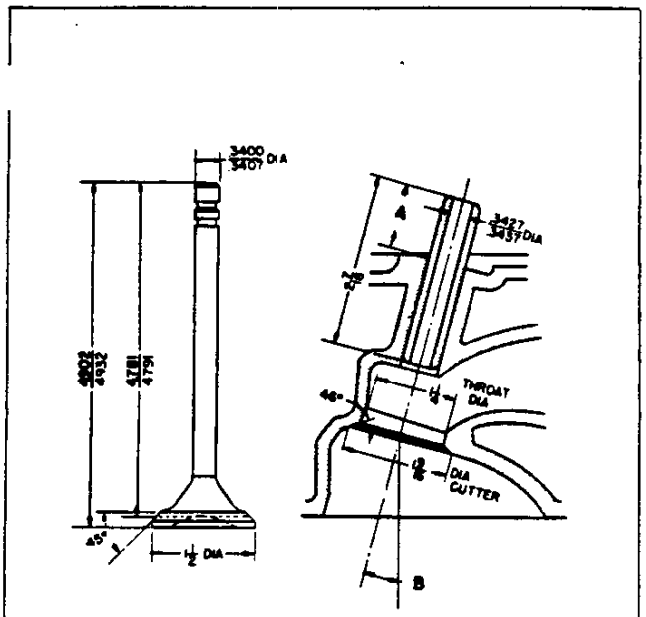
CONNECTING RODS

Type ---------- Rod clamps piston pin
Material ---------- Drop-forged steel
Assembly center of gravity --- 5.325 from piston pin
Rod width at piston pin ---------- 1.125-1.127
Rod width at crankpin ---------- 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 ---------- 1.95 lb
- Upper end weight ---------- .45 lb
- Lower end weight---------- 1.49 lb

Total rotating weight of connecting rods (Weight of lower end x 6)---------- 8.94 lb
End play ---------- .004-.012
Recommended nut torque, with oiled threads ----- ---------- 40-50 ft lb

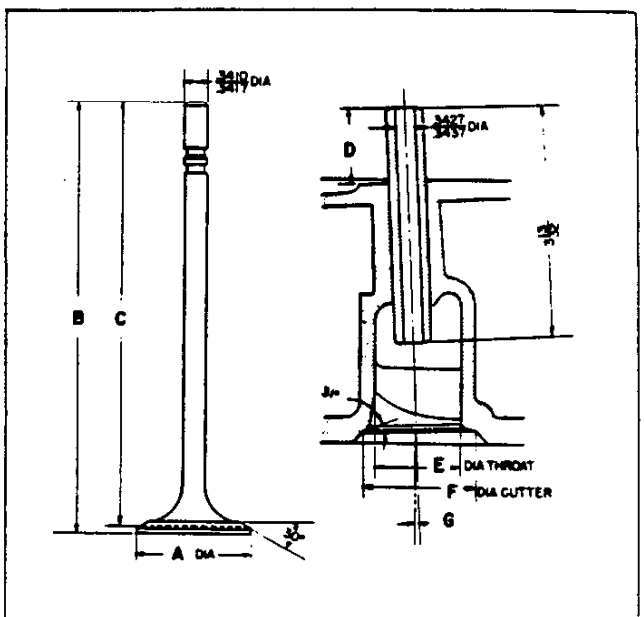
VALVE TRAIN



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

INLET

VALVES

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

TAPPETS

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

VALVE STEM GUIDES

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

VALVE ROCKER ARMS

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

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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				17	
	RPO 256				17			
Radiator core	Make and type		Harrison, ribbed cellular					
	Material		All copper					
	Size	Regular	.25 x .560 x 2			.20 x .560 x 2	.20 x .560 x 3	
		RPO 256			.20 x .560 x 3			
	Frontal area		407 square inches					
Pressure cooling			In Series 5000 only: 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	82° elbow, 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		28°V x 4-21/64 diameter					
	Ratio to engine		1.405:1					
	Fan belt	Material	One-piece reinforced rubber					
		Size	11/16 max width x 42-7/8 around outside					
	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 156					
	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					Spec. 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	7003863	7003864	BB1-8715
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 pound dirt capacity	RPO 216			
	2 pound dirt capacity	RPO 216			Regular
	4 pound dirt capacity			Regular	

CONTINUED

FUEL SYSTEM—Continued

OCTANE SELECTOR

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

FUEL PUMP

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

FUEL AND VACUUM PUMP - RPO 340

Make and model ---------- AC, model 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.
linder bores and piston pins ---------- Splash
.alve 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-6P	1 qt	P-115
AC S-2P	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
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 10W, plus 10% kerosene

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.

8-15-51

ENGINE ELECTRICAL SYSTEM

GENERATOR

Make, model ---------- Delco-Remy, 1102749
Type ---------- 2 brush, shunt wound
Rated voltage ---------- 6 to 8
Ventilation --------- By fan in generator pulley
Driven by ---------- Fan belt
Pulley size ---------- 28°V x 3-11/32 dia
Speed ratio (generator to engine) ------- 1.83:1
Maximum output speeds (hot):
Generator RPM ---------- 2300 and up
Engine RPM ---------- 1256 and up

Bearings:	Commutator end	Drive end
Number	812823	Anti-friction bearing, see page 156
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, 1119301
Type ---------- Vibrator
Location -- On dash LH side in engine compartment
Voltage regulator:
Volts ---------- 7.4
Temperature ---------- Operating
Average air gap---------- .075
Current regulator:
Amperes ---------- 35
Temperature ---------- Operating
Average air gap---------- .075
Cutout relay:
Point opening (amperes) ---------- 0 - 4
Point closing: Volts ---------- 6.4
Generator armature speed --------- 800 RPM
Engine speed ---------- 437 RPM
Average air gap ---------- .020
Point gap ---------- .020

RPO 326 HEAVY DUTY GENERATOR EQUIPMENT

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

STARTING

Starting device -------- Mechanical over-running clutch actuated by push button and solenoid for Series 3700, 3900 and by pedal for all others.
Starting operation ---------- With ignition switch ON, depress push button on Series 3700, 3900; depress starter pedal on all others.
Pinion meshes ---------- From front of flywheel
Pinion teeth ---------- 9
Flywheel teeth ---------- 139, 1/2 wide, 13.9 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 ---------- 1107075
All others ---------- 1107055
Direction of rotation (front view) ----------
---------- Counter-clockwise

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

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

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

BATTERY

ITEM	4500, 6700	3700 3900	ALL OTHERS
Make and model	Delco, 19Q6W	Delco, 15AA6-W	
Length, at top	10-5/16	9-1/32	
Width, at top	7		
Height	7-3/4		
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

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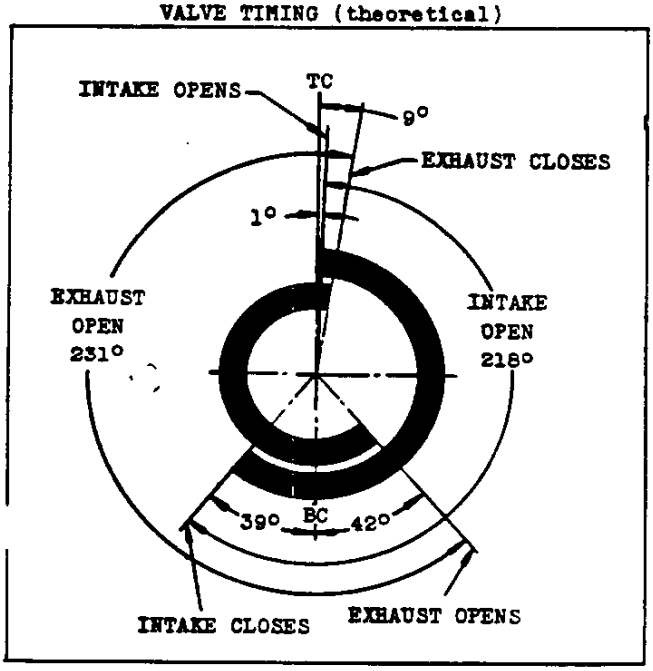
DISTRIBUTOR

Make, model: 216.5 engine -- Delco Remy, 1112362
235.5 engine ---------- Delco Remy, 1112363
Current source ---------- Generator or battery
Breaker contact opening and nominal cam angle:
With new breaker lever --- .018-.024 ---- 34°
With old breaker lever --- .015-.022 ---- 39°
Breaker arm tension ---------- 17-21 oz
Vacuum control part number ---------- 1116043
Condenser: Part no. and cap. ----- 1869704, .2mf

VALVE TIMING (theoretical)

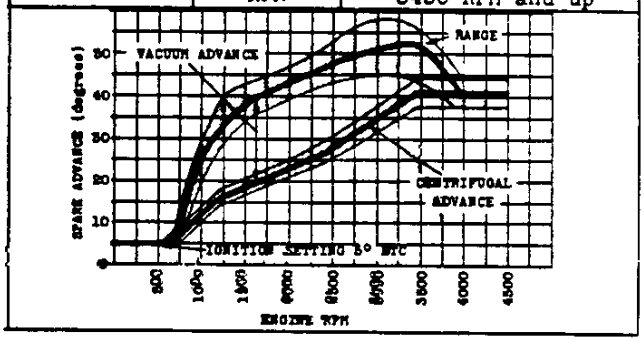


ENGINE TIMING-Ignition

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

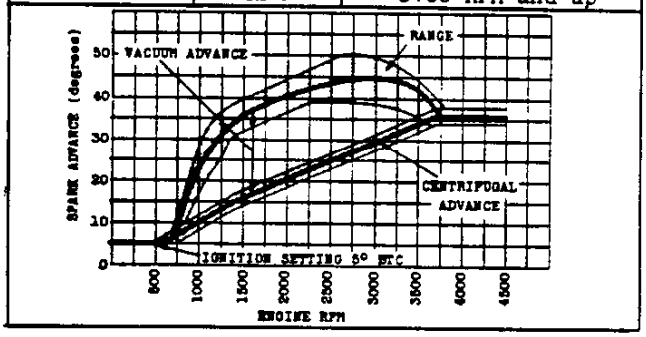
THRIFTMASTER 216.5 CU.IN. ENGINE

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

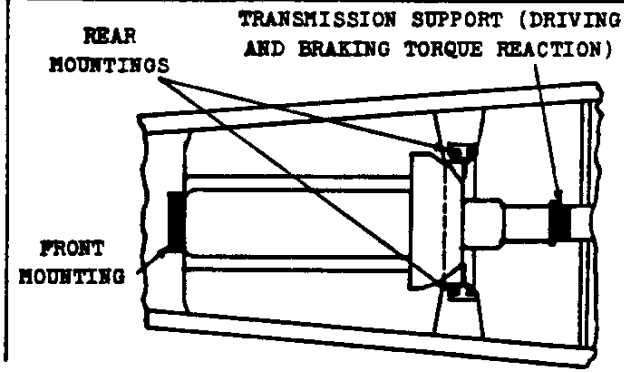
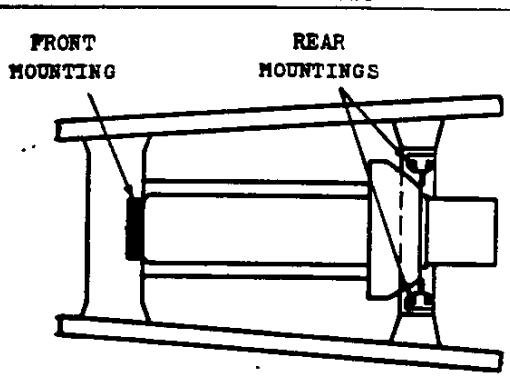


LOADMASTER 235.5 CU.IN. ENGINE

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	450 to 750 RPM	29° to 33° at 3700 RPM and up

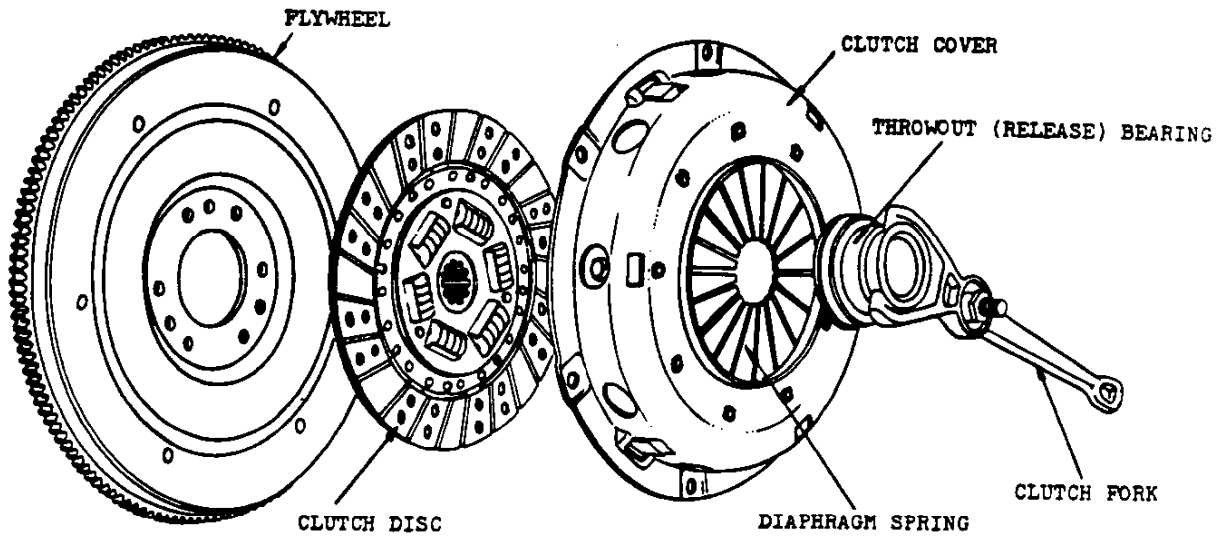


POWER PLANT MOUNTING

3100	ALL OTHER TRUCKS
	
TYPE: 4-POINT RUBBER (CUSHION BALANCED)	TYPE: 3-POINT RUBBER (CUSHION BALANCED)

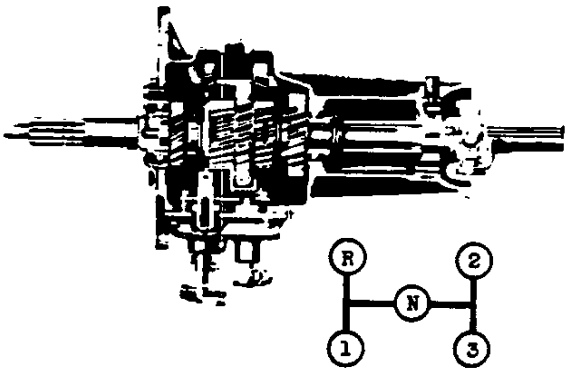
8-15-51

CLUTCH



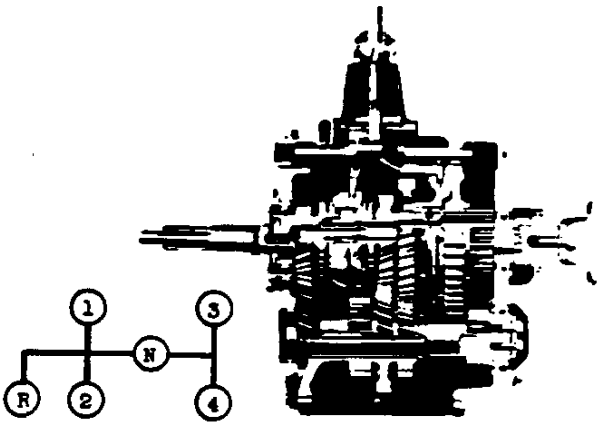
3100 SERIES REGULAR CLUTCH ILLUSTRATED

ITEM			3100		All except 3100
			Regular clutch	RPO 227	Regular clutch
Type			Single dry plate		
Rated torque capacity			210 foot pounds		
Drive			Direct to flywheel face		
Ventilation			Vanes cast in pressure plate		
Diaphragm spring	Pressure in flat position		1100 to 1225 pounds		1175 to 1275 pounds
	Material		Spring steel, heat treated		
	Pressure levers		18, integral with spring		
Driving members			Two (flywheel and pressure plate)		
Driven disc	Type		One, spring cushioned plate with two molded facings		
	Vibration insulation at hub		6 cushion springs		
	Facing (2)	Material	Woven or molded asbestos composition		
		Outside diameter	9-1/8		10-3/4
		Inside diameter	6-1/8		7
		Area (both facings)	71.86 square inches		104.6 square inches
		Thickness	.132-.138		.137-.143
Bearings	Throwout (release)	Type, make, number	Anti-friction bearings, see page 156		
		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



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 156	

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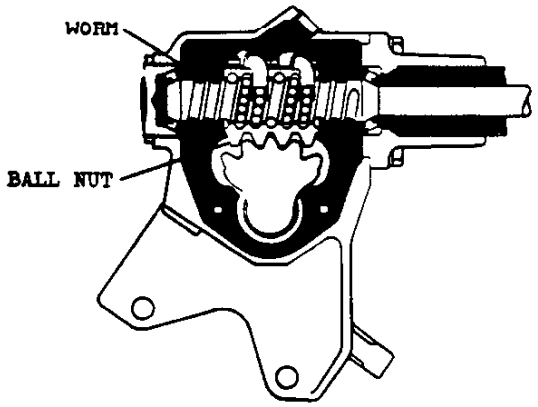
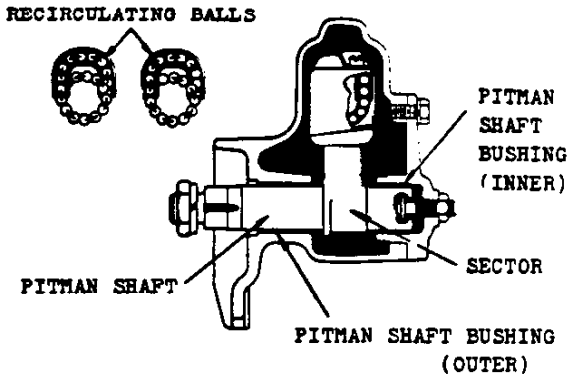
STEERING GEAR



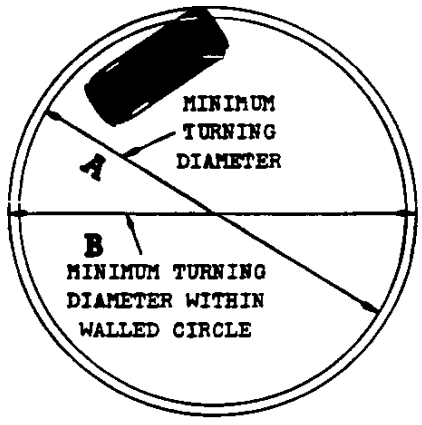


TYPE USED ON 3100, 3600, 3800, 4100, 4400 SERIES

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	1.1245-1.1250		1.2495-1.2500
		Length	1-/38	1	1-1/8
	Inner	Inside dia	1.1255-1.1260		
		Length	27/32		
Pitman shaft	Diameter		1-1/8		1-1/4
	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 156		

TURNING DIAMETERS

Nominal figures based on actual measurements



SERIES	WHEELBASE	A (feet)		B (feet)	
		RIGHT	LEFT	RIGHT	LEFT
3100	116	39-1/2	40	42-1/2	42-1/2
3600	125-1/4	47-1/2	49-1/2	50	51-1/2
3700		42-1/2	43-1/2	45-1/2	46-1/2
3800	137	52	52-1/2	54-1/2	55
3900		48	50	50-1/2	52-1/2
4100		51	52-1/2	54-1/2	56
4400	161	59-1/2	59	63	62-1/2
4500		56	56	59-1/2	59-1/2
5100	110	40	40	43-1/2	43-1/2
5400	134	45-1/2	48-1/2	49	52
5700	158	54-1/2	56-1/2	58	60
6100	137	48	49-1/2	51-1/2	53
6400	161	56	56	59-1/2	59-1/2
6500	179	60-1/2	52-1/2	64	66
6700	199	66-1/2	66-1/2	70	70

8-15-51

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	OFFSET	ATTACHMENT
6.00-16-6 Ø	Base	3100	Five ß	13.6	748	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			13.9	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					1775	55					7/16	
7.00-17-8	278			15.8	637	2100	60	7.50W					
7.50-17-8	272												
7.00-17-6	Base	3800 3900		15.4	655	1575	45	7.00W					
7.00-17-8	278					1775	55						
7.50-17-8	272			15.8	637	2100	60	7.50W					
7.50-17-10	329	3802			640	2395	75				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 5/8-1/8 bolts, 7-1/4 circle
7.00-20-8	300			16.9	596	2000	55	7.00W	765B90°	20M			
7.00-20-10	296					2250	70						
7.50-20-8	304	4100,4400		17.7	571	2375	60	7.50W	177 SB90°		20x5.00S ◘	4-7/8	
7.50-20-10	305				570	2700	75						
7.50-20-8	Base	5000 (S) 61-64-6500 (S) 6700			571	2375	60				20x6.0	5-3/8	
7.50-20-10	305				570	2700	75						
8.25-20-10	343			18.2	553	2900	65	8.25W	77SB90° (77 90° C20)■				
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.

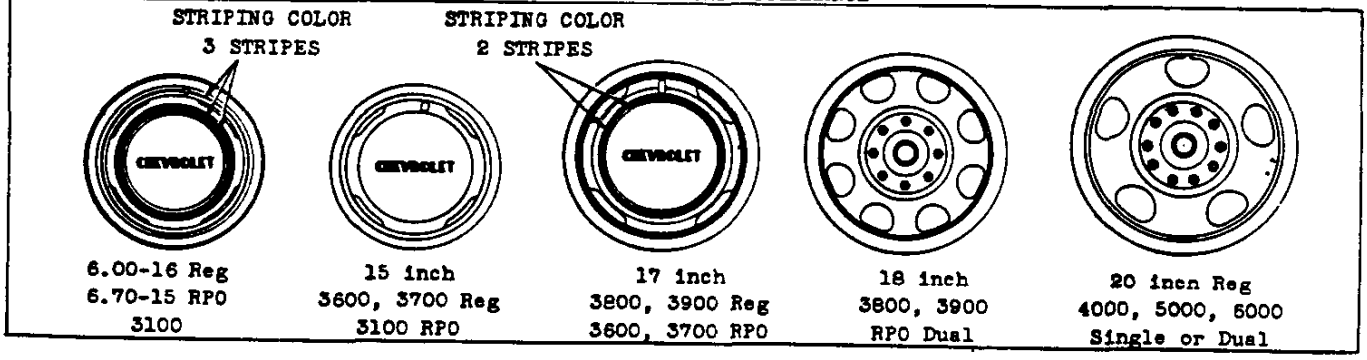
ß - Including spare tire. Ø - Passenger car type tires. All other tires shown are truck type.

● - 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.

WHEEL AND HUB CAP APPEARANCE



6.00-16 Reg
6.70-15 RPO
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

11-1-51

LOAD CAPACITY CHART

GROSS VEHICLE WEIGHT FOR 1951 CHEVROLET TRUCKS AND SCHOOL BUSES

MODEL				NOMINAL RATING	GROSS VEHICLE WEIGHT	MINIMUM TIRES AND EQUIPMENT		
						TIRE SIZE AND PLY RATING		
TYPE	SERIES		WHEEL -BASE			FRONT	REAR	EQUIPMENT
SEDAN DELIVERY	1508	JJ	115		§ 4000	6.70-15-4	6.70-15-4	
					4100	6.70-15-6	6.70-15-6	
LIGHT DUTY	3100	JP	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	JR	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	JT	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	JS	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, and hydrovac
	3942	JU	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, and hydrovac
HEAVY DUTY	4100	UJ	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	UK	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	UPS	110	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	
	5400S	URS	134					
	5700S	USS	158					
	6100S	UVS	137	1-1/2 Ton Special Conventional				
	6400S	UWS	161					
	6500S	UYS	179					
	5100	UP	110	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	
	5400	UR	134					
	5700	US	158					
	6100	UV	137	2 Ton Conventional				
	6400	UW	161					
	6500	UY	179					
SCHOOL BUS CHASSIS	3802 Plus RPO 329	JS	137	16 Pupils	•§7600	7.50-17-8	7.50-17-10	9-leaf rear spring & hydrovac
	4502	UL	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	UX	199	42 Pupils	§13500	7.50-20-8	7.50-20-8 Dual	
				48-54 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 JJ 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

On this 1st day of May 1951, personally appeared before me, Geo. W. Proctor, known to me as such who makes oath that the data on this sheet are true as represented.

Byron N. Holmes
Notary Public, Wayne County
My commission expires July 27th, 1951

May 1, 1951

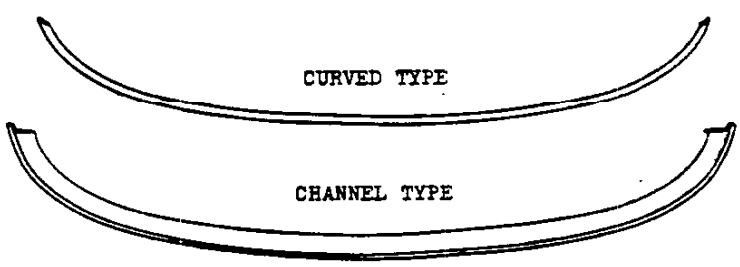
The data on this sheet are true as represented.

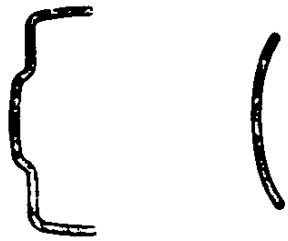
CHEVROLET - CENTRAL OFFICE - ENGINEERING DEPARTMENT
DIVISION OF GENERAL MOTORS CORPORATION

Geo. W. Proctor
Geo. W. Proctor
Transport Engineer

8-15-51

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	Chrome plated				Painted

LIGHTS AND HORN

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

HEADLIGHTS

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

PARKING LIGHTS

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

TAIL AND STOP LIGHTS

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

LIGHTING SWITCHES

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

PROTECTIVE DEVICES

Circuit breaker: Type ---------- Bi-metal thermal element in main lighting switch
Capacity ---------- 30 amperes
Fuses (in series with circuit breaker, in tail and stop light circuits): Number and type ---------- 2 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 ---------- 10 amperes

BULBS

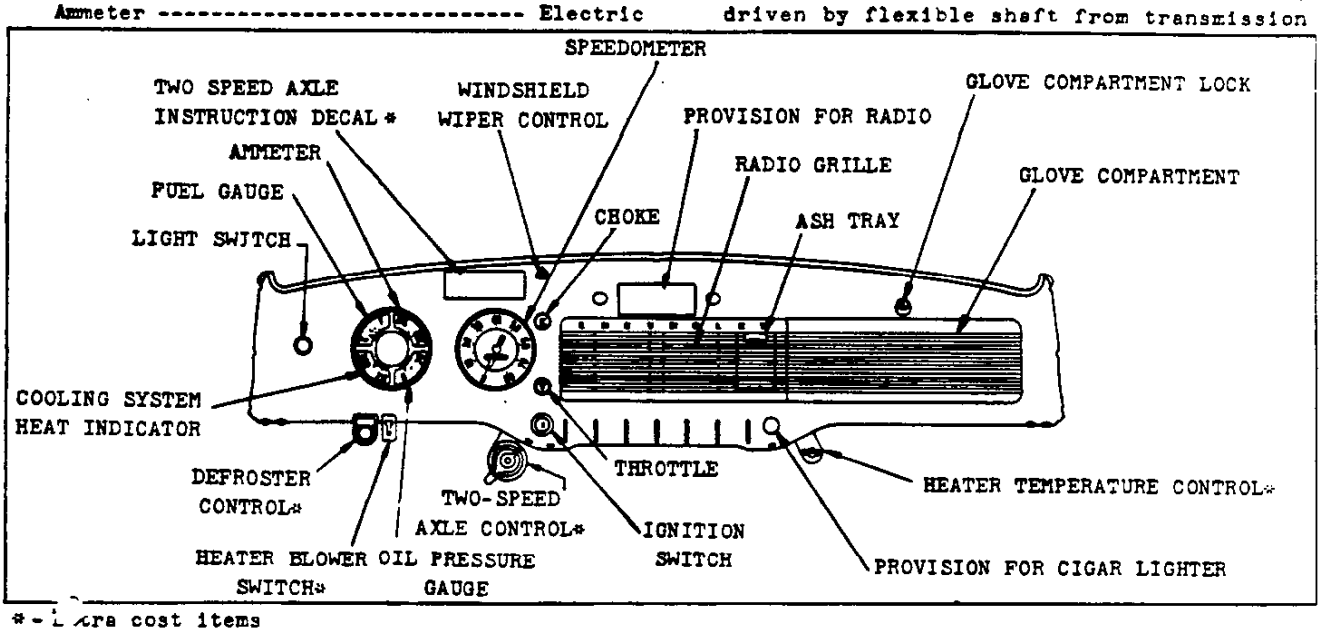
USED IN		QUANTITY	TRADE NO.	POWER	USED IN			QUANTITY	TRADE NO.	POWER
Parking lights		2	63	3 cp	Tail and stop lights	Panel Trucks	Tail Stop	1	1154*	3 cp 21 cp
Instrument cluster		4	55	2 cp						
Beam indicator		1	51	1 cp		All others	Tail	1	63	3 cp
Ignition lock		1	55	2 cp			Stop	1	1129	21 cp
Dome light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

* - Single bulb, double filament

8-15-51

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	Regular	RPO 202 Ⓣ	
Teeth	Drive	6	4	6	4		6	4					
	Driven	18	12	19	12	15	19	15	13	15	14		
Pitch	Drive	26	18.629	30	18.629	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 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					

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[Cover]		Gas tank filler, crown, RH (... LH mounting)	
		Radiator overflow	
		Gas tank filler, locking	
	Seat	Fiber	
		Woven paper matting	
		Installation kit	Al...
Filter	Gasoline		bo...
Frame	License plate		
Guard	Bumper		30...
	radiator grille	Painted, for curved type face bar	Al...
		Painted, for channel type face bar	All except ...
Heater	With defroster	Outside air type	
		Recirculating type	310...
Horns	Two, matched		4000, 5...
Injector	Static eliminator		3700 and 3900
	Powder for		All...
Lamp	Fog (dual), Guide sealed beam		All, except 5000 wit...
	Spot	With bracket, Unity	3000, 4000, ...
		Portable	
	Glove compartment		
	Tail and stop, universal, RH		
	Underhood		All
	Directional signal: Rear LH and RH,single lens		All with cigarette ...
	Front LH and RH, single lens		All
Lighter	Cigarette		3100, 3600, 3800, 4000, 5...
Mirror	Rear view, outside, long arm, adjustable		3000, 4000, 6000
Bracket	Mirror, rear view (for attaching arm to cowl)		All
Deflector	Rain		
Radio	Delco receiving set plus antenna		All except flat face cowl chassis m...
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
Washer	Windshield, foot controlled		3100, 3600, 3800, 4000, 6000

Book original is like this too

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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			Series 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
213				Series 3600, 3700, 3800, 3900
216	Oil bath air cleaner	1 pt capacity		Series 3000, 4100, 4400
		2 pt capacity		Series 3100, 3600, 3800, 4000
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 122)
237	Oil filter			All, except Series 3700, 3900
241	Engine governor			Series 3100, 3600, 3800, 4100, 4400, 5000, 6100, 6400, 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
263	Auxiliary seat			All Panels and Canopy Express models
267	Auxiliary rear springs			Series 3800, 3900, 4100, 4400
268	Two stage rear springs			Series 4100, 4400, 6100, 6400, 6500
281	Vacuum reserve tank			Series 4000, 5000, 6000
318	Four-speed transmission			Series 3100, 3600, 3700
326	Heavy-duty generator equipment	Rating, 40 amp		All models
		Rating, 55 amp		All, except 3700, 3900, 5000
328	Auxiliary stand-drive control			Models 3802, 4102
329	School bus chassis equipment (Junior)			Model 3802
340	Vacuum booster fuel pump			All models
367	Front bumper			Series 3700, 3900
384	Spare wheel carrier equipment			Series 3700, 3900
387	Rear corner windows			All cab models
389	Wide running boards			Model 3104
401	Stake racks			All platform and express 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
615	Less rear fender equipment			Models 3102-03-12

ANTI-FRICTION BEARINGS

BEARING FUNCTION		GM PART NUMBER	TYPE	1500 2100	3100	3600	3700	3800	3900	4100 4400	4500	5100	5400-5700 6100-6400	6500 6700
Front Wheel	Inner	909052	Cup-Cone	2	2									
		909026	Cup-Cone			2	2	2	2					
		7450131	Barrel R							2	2	2	2	2
	Outer	909001	Cup-Cone	2	2									
		909025	Cup-Cone			2	2	2	2					
		7450034	Barrel R							2	2	2	2	2
King Pin thrust	R a c e Upper	373476	S R Ball	2	2									
	R a c e Lower	373476	S R Ball	2	2									
	R a c e Upper	365309	S R Ball			2		2						
	R a c e Lower	365309	S R Ball			2		2						
Rear axle	Pinion, front	954394	D R Ball	1	1									
		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	Roller			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, fr		954378	S R Ball	1	1	1	1	1	1	1	1	1	1	1
Clutch release		909422 597874 3657696	Special permanently lubricated and sealed single row ball bearing and sleeve											
Transmission	Clutch gear	954388	S R Ball	1	1	1	1							
		954358	S R Ball		ⓞ	ⓞ	ⓞ	1	1	1	1	1	1	1
	Mainshaft, fr	435844	Roller	1	1	1	1							
		7450010	Roller		ⓞ	ⓞ	ⓞ	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	Roller	●	1	1	1							
		142260	Roller		ⓞ	ⓞ	ⓞ	1	1	1	1	1	1	1
	Countershaft, rr	435847	Roller	●	1	1	1							
		954164	S R Ball		ⓞ	ⓞ	ⓞ	1	1	1	1	1	1	1
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 9/32 OD											
		266800	100 recirculating balls 9/32 OD											
	Strg col upper	270255	One. Special insulated ball bearing (23, 1/8 dia balls)											
Total number of anti-friction brg per vehicle (less two-speed axle)				22	24	35	33	39	37	37	37	32	37	42

* - 2-speed axle. ● - One used, RPO heavy-duty 3-speed transmission. ⓞ - One used, RPO 4-speed transmission.

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