STUDEBAKER
DELIVERY CARS AND TRUCKS
THREE QUARTER TON TO THREE & ONE HALF TONS
In these modern plants, representing an investment of $65,000,000, 151 acres of floor space are devoted to the manufacture of Studebaker transportation units - delivery cars, trucks, buses, funeral cars, ambulances and passenger cars. Modern facilities, large scale production and huge purchasing power enable Studebaker to offer the delivery cars and trucks shown in the following pages at remarkably low prices.
Studebaker Offers Custom Designed Delivery Cars at Popular Prices

For the first time, progressive business concerns can obtain delivery cars and trucks of custom design without a premium in price.

Studebaker's new custom line offers three chassis models comprising 13 standard body combinations in three body heights and four loading lengths. The three chassis include: ¾-ton of 115-inch wheelbase; 1-ton of 130-inch wheelbase and a 4000 pound capacity truck with 4-speed transmission on 146-inch wheelbase.

These new cars are powered by a sturdy, economical six-cylinder engine designed and built by Studebaker. It develops 68 horsepower giving an abundant flow of power, smooth and adequate at all speeds.

In addition to the new custom designed delivery cars and trucks, Studebaker also offers heavy duty, high speed commercial chassis of 7300 and 8300 pound capacities.

In creating a commercial unit to meet a wide variety of needs it has been the aim of Studebaker engineers to combine rugged design with smart style.

The ultra smartness of the new custom designed delivery cars offers the progressive business concern an opportunity to use delivery equipment for the purpose of advertising as well as hauling. No longer can the modern business establishment ignore the importance of attractive delivery equipment. It is as important in creating prestige as the appearance of a store front, the fixtures within, or the sales people who represent the organization.
Studebaker 3/4 Ton Custom Designed Delivery Cars

INSIDE DIMENSIONS

<table>
<thead>
<tr>
<th>Panel</th>
<th>Length Back of Seat</th>
<th>Width at Belt</th>
<th>Height at Center</th>
<th>Extreme Height at Side</th>
<th>Cu. Ft. Loading Space</th>
<th>Overall Length of Car</th>
<th>Overall Height (Loaded)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 20-H</td>
<td>72&quot;</td>
<td>52½&quot;/52&quot;</td>
<td>50&quot;</td>
<td>47½&quot;/47½&quot;</td>
<td>115</td>
<td>189½&quot;</td>
<td>74½&quot;</td>
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<tr>
<td>Model 20-S</td>
<td>72&quot;</td>
<td>52½&quot;/52&quot;</td>
<td>50&quot;</td>
<td>43½&quot;/43½&quot;</td>
<td>106</td>
<td>189½&quot;</td>
<td>74½&quot;</td>
</tr>
<tr>
<td>Screen</td>
<td>72&quot;</td>
<td>52½&quot;/52&quot;</td>
<td>50&quot;</td>
<td>47½&quot;/47½&quot;</td>
<td>115</td>
<td>189½&quot;</td>
<td>74½&quot;</td>
</tr>
</tbody>
</table>

Overall width of cars ........................................... 69"
Height of loading floor from ground (loaded) ........... 26½"
Inside width of body at floor ................................ 49"
Inside width of floor between wheel housings .......... 45½"
Height of sideboard and tail-gate (Screen side) ........ 21"

Seats: Floor to top of cushion ......................... 13"
Front of cushion to seat back ........................... 18"
Width of cushion ............................................. 17½"

Seats are well cushioned, adjustable and folding type.
Upholstered in genuine brown leather. Right hand seat is
removable permitting an extra 34½ inch loading length.
Tool compartment under seats.

Floor: The loading floor of both panel and screen bodies
is yellow pine, laid lengthwise of body. The joints are dust-
proof and the floor is protected by ‘J’ angle skid strips.

Doors: Side doors, one piece pressed steel, 35 inches
wide. Width of two doors at rear is 46½". Model 20-S
rear doors are 47½" high; Model 20-H, 51½" high.

Screen Side: Black enamel screens are removable.
Water-proof curtains for side and rear are rolled and at-
tached to roof side board.

Roof: Model 20-S has roof of seden type with cadet
visor at front. All other models have the overhanging roof
at front with visor built integral.

Interior Finish: Natural wood in panel and screen.

Painting: Body lacquered in any one of four optional
colors. Wheels in black enamel striped to match body.

3/4 Ton Models Are Especially Suited For:

- Advertising Distributors
- Bakers
- Battery Dealers
- Cigar Mfrs.
- Clothiers
- Confectioners
- Country Clubs
- Dry Goods & Dept. Stores
- Dairy Products
- Drapery Mfrs.
- Dyers & Cleaners
- Electrical Equip. Dealers
- Fish Dealers
- Florists * Retail
- Gas Companies
- Grocers * Retail
- Hardware Dealers * Retail
- Meat Dealers
- Mercantile & Dress Mfrs.
- Musical Instruments
- Newspapers
- Office Equipment & Supplies
- Painters
- Plumbers
- Radio Dealers
- Seed Dealers
- Sewing Machine Dealers
- Shoe Mfrs. * Dealers
- Steel Product Mfrs.
- Teas and Coffees
- Tire Repair & Tire Co.'s
- Towel Supplies

Chassis Specifications, Page 15

Page Two
Studebaker ¾-Ton Panel De Luxe Delivery Car « Model 20-S
(also available with wood artillery wheels which are standard)
115-inch wheelbase » « 68 horsepower
Choice of 4 color combinations
Studebaker 1 Ton Custom Designed Delivery Cars

INSIDE DIMENSIONS

<table>
<thead>
<tr>
<th>Panel</th>
<th>Length of Car (Loaded)</th>
<th>Overall Height (Loaded)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 30-B</td>
<td>80½&quot;</td>
<td>80½&quot;</td>
</tr>
<tr>
<td>Model 30-H</td>
<td>80½&quot;</td>
<td>80½&quot;</td>
</tr>
<tr>
<td>Model 30-S</td>
<td>80½&quot;</td>
<td>80½&quot;</td>
</tr>
</tbody>
</table>

Overall width of cars............................... 70½"
Height of loading floor from ground (unloaded)...... 27½"
Inside width of body at floor......................... 47½"
Inside width of floor between wheel housings........ 46½"
Height, sideboard and tail-gate (screen side)...... 29"

Seats:  
Floor to top of cushion.................................. 13"
Front of cushion to seat back............................ 18"
Width of cushion........................................... 17½"

Seats are adjustable and folding type. Upholstered in genuine leather. Right hand seat is removable permitting an extra 34½ inch loading length. Tool compartment under seats.

Floor:  
The loading floor of both panel and screen bodies is yellow pine, laid lengthwise of body. The joints are dustproof and the floor is protected by "J" angle skid strips.

Doors:  
Side doors of sedan type are 35 inches wide. Width of two doors at rear is 46½". Model 30-S rear door height is 45½"; Model 30-B and Model 30-H, 49½" high.

Screen Side:  
Black enamel screens are removable. Waterproof curtains for side and rear are rolled and attached to roof side board.

Roof:  
Model 30-S has roof of sedan type with cadet visor at front. All other models have the overhanging roof at front with visor built integral.

Interior Finish:  
Natural wood in panel and screen.

Painting:  
Body lacquered in any one of four optional colors. Wheels in black enamel striped to harmonize.

Chassis Specifications, Page 15

1 Ton Models Are Especially Suited For:

- Awning Dealers
- Bakers
- Cigar Mfrs.
- Colleges and Schools
- Commission Merchants
- Dry Goods and Dept. Stores
- Dairy Products
- Drug Mfrs.
- Dyers-Cleaners
- Dyers
- Electrical Equipment Dealers
- Feed Dealers
- Fertilizer Mfrs.
- Fish Dealers—Wholesale
- Florists—Retail
- Funeral Directors
- Furnace Dealers
- Furriers
- Gas Companies
- Grain Elevator
- Grocers—Retail
- Hardware Dealers—Retail
- Ice Companies
- Mattress Mfrs.
- Meat Dealers
- Newspapers
- Nurseries
- Office Equipment and Supplies
- Painters
- Plumbers
- Plumbers Supplies
- Porcelain Mfrs.
- Pottery Mfrs.
- Produce Dealers
- Radio Dealers
- Refrigerator Dealers
- Restaurants
- Rug Dealers
- Seed Dealers
- Sign Companies
- Steel Product Mfrs.
- Teas and Coffees
- Transfer & Storage Companies
- Washing Machine Dealers

Page Four
Studebaker 1-Ton Custom Designed Panel Delivery Car » » Model 30-H
(also available with wire wheels)
130-inch wheelbase » 68 horsepower
4 optional colors
Studebaker 4000 Pound Capacity Truck

**INSIDE DIMENSIONS**

<table>
<thead>
<tr>
<th>Panel</th>
<th>Length Back of Seat</th>
<th>Width at Belt</th>
<th>Height at Center</th>
<th>Extreme Height at Side</th>
<th>Cu. Ft. Loading Space</th>
<th>Overall Length of Car</th>
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<tbody>
<tr>
<td>Model 40-B</td>
<td>108&quot;</td>
<td>52½&quot;</td>
<td>56&quot;</td>
<td>51⅜&quot;</td>
<td>185</td>
<td>221¼&quot;</td>
<td>84½&quot;</td>
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<td>Model 40-M</td>
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<td>52½&quot;</td>
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<td>47⅜&quot;</td>
<td>172</td>
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<tr>
<td>Model 40-H</td>
<td>96&quot;</td>
<td>52½&quot;</td>
<td>56&quot;</td>
<td>51⅜&quot;</td>
<td>164</td>
<td>209½&quot;</td>
<td>84½&quot;</td>
</tr>
<tr>
<td>Model 40-S</td>
<td>96&quot;</td>
<td>52½&quot;</td>
<td>52&quot;</td>
<td>47⅜&quot;</td>
<td>153</td>
<td>209½&quot;</td>
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</tr>
<tr>
<td>Screen</td>
<td>Model 40-B</td>
<td>108&quot;</td>
<td>52½&quot;</td>
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</tr>
<tr>
<td></td>
<td>Model 40-H</td>
<td>96&quot;</td>
<td>52½&quot;</td>
<td>56&quot;</td>
<td>51⅛&quot;</td>
<td>209½&quot;</td>
<td>84½&quot;</td>
</tr>
</tbody>
</table>

Overall width of car: 70¾"  
Height of loading floor from ground (loaded): 27"  
Inside width of body at floor: 47⅜"  
Inside width of floor between wheel-housings: 46"  
Height of sideboard and tail-gate (screen only): 22½"  

**Seats:**  
Floor to top of cushion: 13½"  
Front of cushion to seat back: 18½"  
Width of cushion: 17¾"  

Seats are well cushioned, adjustable and folding type. Upholstered in genuine gray leather. Right side seat is removable permitting an extra 34½ inch loading length. Tool compartment under seats.  

**Floor:** Yellow pine in both panel and screen bodies, laid lengthwise of body. Floor protected by "J" angle skid strips.  

**Doors:** Side doors, 35 inches wide. Width of two doors at rear is 46¾". Height of rear door is 47¾" in Models 40-M and 40-S, and 51¾" in Models 40-B and 40-H.  

**Screen Side:** Black enamel screens are removable. Water-proof curtains for side and rear are rolled and attached to roof side board.  

**Roof:** Models 40-M and 40-S have roofs of sedan type with cadet visor at front. All other models have the over-hanging roof with visor built integral.  

**Interior Finish:** Gray engine enamel in panel and screen.  

**Painting:** Lacquered in any one of four color options. Wheels in black enamel striped to harmonize with body.  

*Chassis Specifications, Page 16*

The 4000 Pound Truck Is Especially Suited For:

Bakers  
Bottlers  
Carpet Cleaners  
Commission Merchants  
Confectioners  
Contractors  
Dry Goods & Dept. Stores  
Dairy Products  
Drug Mfrs.

Electrical Equip. Dealers  
Feed Dealers  
Film Exchanges  
Fertilizer Mfrs.  
Farmers  
Furnace Dealers  
Furniture Dealers  
Garage and Auto Supplies  
Gas Companies  

Glass Mfrs. " Retail "  
Whole Sale  
Grain Elevator  
Grocers " Retail "  
Hardware Dealers " Retail "  
Ice Cream Mfrs.  
Ice Companies  
Live Stock (See Farmers)  
Lumber Dealers  

Mattress Mfrs.  
Meat Dealers  
Newspapers  
Oil Dealers  
Packaging Houses  
Plumbers Supplies  
Porcelain Mfrs.  
Pottery Mfrs.  
Produce Dealers  
Radio Dealers  
Refrigerator Dealers  
Shoe Mfrs. " Dealers  
Sign Companies  
Steel Product Mfrs.  
Spinners  
Transfer and Storage Companies
Studebaker Model 40-H Truck, with Screen Body on 4000 Pound Capacity Truck Chassis

146-inch wheelbase  
68 horsepower engine  
4-speed transmission  
4 optional colors
Open Express Body — 4000 Pound Capacity Truck Chassis

Loading length ............. 96 inches
Loading width .............. 70 inches
Height of side panel ........ 13½ inches
Width of flare boards ...... 8½ inches

Floor: Made of solid oak 1½ inches thick and protected by skid strips of heavy gauge steel.

Construction: Lengthwise and crosswise sills are of clear grain oak, securely bolted and reinforced with heavy angle iron braces. Flare boards and tail gate banded with ½ inch steel. Flare boards, 8½ inches wide, are made of oak.

Provision is made for converting the open express body into a canopy express type or grain body.

Approximate loading height of floor from ground — 40 inches (loaded).

Chassis Specification, Page 16
Stake Body — 4000 Pound Capacity Truck Chassis

Loading length ............... 96 inches
Loading width ................. 70 inches
Height of racks ............... 27 or 48 inches

Floor: Made of solid oak 1 1/4 inch thick and protected by skid strips of heavy gauge steel.
Racks: Built of solid oak with side slats fastened by two bolts (not riveted or screwed). Stakes are fully ironed with inset sockets.

The wood sign board is covered with heavy sheet steel. The two side racks and two rear racks are removable.

Construction: Lengthwise and crosswise sills are of clear grain oak securely bolted and reinforced with heavy angle iron braces. Approximate loading height of floor from ground — 40 inches (loaded).

Chassis Specification, Page 16

Studebaker Platform and Stake Truck »» Model 40 Series, 4000 Pound Capacity Truck Chassis
4-speed transmission » 146-inch wheelbase » 68 horsepower engine
DeLuxe weatherproof cab
Studebaker 4000 Pound Truck Chassis with DeLuxe Cab

Dimensions:
Dash to rear of cab .......................... 51"
Overall width of cab ........................... 57"
Overall height of cab .......................... 52½"
Width of door .................................. 35"
Height of door window opening ................. 16"
Width of door window opening ................. 31½"
Steering wheel to seat back ..................... 19"
Floor to top of seat cushion .................... 13"
Rear of cab to rear end of chassis frame .......... 89½"
Rear of cab to center line of rear axle ........... 61½"

Seats: Two individual seat cushions and the seat backs are upholstered in brown Spanish grain leather. The tool compartment of sheet metal is located under the seats.

Doors: Wide doors (35 inches) of pressed steel are of sedan type, braced to insure a snug fit at all times. Interior of door is trimmed in brown leather to match seat cushion. Weatherproof door strips.

Windshield: One piece, movable for ventilation.

Construction: Built entirely of No. 1 hardwood. Joints are securely glued and screwed together to prevent body squeaks. Side and rear of cab is enclosed in sheet steel, and the well constructed roof is covered with a waterproof coated fabric.

Equipment: Equipment includes rubber floor mat, automatic windshield wiper, cowl ventilator, indirectly illuminated instrument board. Ignition key also locks steering column, cab doors and tire holder.
Studebaker 4000 Pound Capacity Truck Chassis with De Luxe Cab => Model 40 Series
146-inch wheelbase => 68 H. P. engine => 4-speed transmission

At the top of the page are shown some of the special bodies for which this chassis is particularly adapted.
A dome light for night deliveries.

The driver's compartment, as comfortable and convenient as a passenger car.

The new French visor, full vision bodies and cowl ventilator are appreciated features.

A handsome lacquered instrument board with engine thermometer, speedometer, ammeter, oil pressure gauge and hydrostatic gasoline gauge.

A full width tool box under the folding seats.

Features:

Custom Designed Bodies with smartly curved roof lines and curved rear quarter.

Four Color Options—at no extra charge.

Hand Rubbed and Polished Lacquer Finish which means lasting beauty. The process is similar to that used on Studebaker-built passenger cars.

Chromium Plating on all exterior bright work—non-tarnishable.

Full Balloon Tires on delivery cars—high pressure cords on 4000-pound capacity truck chassis and rear wheels of 1-ton delivery car.

Low Loading Height, 27 inches—makes for easy loading and unloading.

Non-Sagging Extra Wide 35-inch Pressed Steel Doors facilitate quick entrance and exit. Make for easy loading and unloading from the front. Doors are square cut, a custom practice.

Dome Light in panel units aids in night deliveries.

Adjustable Driver's Seat makes for greater comfort. 4-inch adjustment range.

Cowl Ventilator, automatic windshield cleaner, and rear view mirror—typical of features contributing to convenience and comfort.

Full Width Tool Box—conveniently located under front seats, which quickly fold up and allow access to tools.

Optional Heights and Lengths, or both. Bodies are offered in various sizes on three chassis.

Genuine Leather Upholstery used for seats.

Varnished Natural Wood Interior on ¾-ton and 1-ton units. Gray engine enamel on 4000-pound capacity truck.

Skid Irons on floor facilitate loading and unloading.

Steel Body Bracing Irons at points subject to stress and strain, giving maximum rigidity and long life to body construction.

New Treatment Belt Line and door paneling makes for a more attractive appearance.

Belt Boards four inches wide contribute greater strength.

Full-vision Bodies—steel over hardwood foundation—the accepted fine car coachcraft. Sturdy uprights braced by irons to give maximum rigidity.

Fabric Welt Between Fenders, Body and Chassis—typical of the precaution taken to provide lasting quietness in body and chassis. An example of the care with which these units have been constructed.

Removable Screens, weatherproof curtains, on screen unit.
FEATURES

Tilt-Ray Headlights, controlled by switch from steering column.

One-piece Steel Core Safety Steering Wheel of thin grip type.

One-key control of spare tire lock and coincidental lock to steering and ignition.

Amplified-Action Four-Wheel Brakes bring car to stop in half the distance established as standard by safety codes.

Adjustable Steering Column makes for greater convenience.

Powerful Six Cylinder Engine of 221 cubic inch piston displacement. Abundant power, marvelous flexibility and smoothness.

Double-drop Frame with new compound flange on 1/4-ton chassis, sturdy kick-up frame on 1-ton and 4000 pound truck chassis. Low center of gravity attained in all chassis.

Timken Tapered Roller Bearings—offering long wear and freedom from attention. If wear does occur, Timken bearings allow adjustment as against replacement.

Thermostatically Controlled Cooling System retards flow of water until motor has reached precisely correct temperature for highest operating efficiency.

Vertical Tube Radiator, with horizontal fins, a chain driven pump and a 4-blade, 17-inch fan provides positive cooling.

Cam and Lever Steering makes for remarkable ease of control.

Full Pressure Lubrication to main connecting rod and camshaft bearings.

Connecting Rods, Drop Forged from selected steel and machined in sets for perfect balance.

Chrome-Nickel Steel Inlet Valves—all chrome exhaust valves make for long life and dependability.

Fuel Pump assures steady flow of gasoline at all speeds, under all conditions.

Oil Filter, gasolene filter and crankcase ventilating system contribute maximum engine efficiency.

Lanchester Vibration Dampeners—contribute marked smoothness of power flow.

Waterproof Ignition System—a guarantee of freedom from trouble in rainy weather or after washing.

Wire Wheels at additional cost are optional on 1/2-ton and one-ton models, 6 wire wheels on one-ton models and 5 wire wheels on one-ton models. Wood wheels are standard equipment on 1/4-ton and one-ton.

Clark metal spoke wheels standard equipment on 4000 pound capacity truck chassis.

Quarter-turn Caps on radiator and gasoline tank.

Aluminum-bound running board.

Full Crown Fenders of heavy pressed steel.

Complete Dash Equipment including speedometer, hydrostatic gasoline gauge, oil pressure gauge, ammeter and engine thermometer, under glass and indirectly illuminated. Auxiliary floodlight in driving compartment.

The reliable Studebaker 6-cylinder engine is noted for its economical performance. This engine develops full 68 horsepower at normal engine speed.

Gasoline is supplied to the carburetor by a fuel pump. It provides an even flow of gasoline regardless of grade conditions or speed.

A sectional view of the 4 speed transmission used in the 4000 pound capacity truck chassis.

All Studebaker cars and trucks are equipped with amplified, action 4-wheel brakes.

A "phantom" view of the special heavy duty rear axle—note the heavy box section housing and large shafts.
High Speed, Heavy Duty Commercial Chassis in Three Sizes

STUDEBAKER offers three heavy duty chassis for high speed express delivery. These chassis have allowable capacities of 7300 to 8300 pounds for body and payload. All are powered with the famous Studebaker Straight Eight motor which develops 115 horsepower. These chassis have a low center of gravity; the top of the frame is but 25 3/4 inches from the ground when loaded. Stout cross members, including large tubular unit, give great rigidity to the big 8-inch frame.

The transmission, either 3 or 4-speed, is specially designed for heavy duty as are the front and rear axles. Powerful 4 wheel brakes, cam and lever steering gear, heavy springs with short shackles, 12 volt generator and battery with automatic voltage regulator, Gruss air springs, double belt fan drive and power-driven fuel pump are important features. Tire and spring equipment, ventilated disc or malleable spoke wheels may be obtained according to the user's individual requirements.

Studebaker's mighty straight eight motor develops 115 horsepower. In buses as well as commercial hauling units, its high efficiency and unflinching dependability is being demonstrated daily on the principal highways in every part of the country.
SPECIFICATIONS

Three-Quarter Ton Delivery Chassis

Wheelbase—115 inches.
Capacity (Body, Cab, Payload, Driver)—2360 pounds.
Lubrication—Force feed to crankshaft, camshaft, connecting rod bearings. Oil filter insure clean oil.
Carburetor—1 1/2 special design plain tube. No dash adjustment necessary except choke for starting in cold weather.
Ignition and Generator—6-volt generator. Ignition coil is high tension moisture proof. Storage battery 6-volt, 90 ampere hour capacity unit.
Starter—Bendix drive is used.
Cooling System—Cooling is by positive chain driven pump and vertical tube type radiator. Horizontal fins afford maximum cooling. Fan blade 17 inches in diameter.
Engine Suspension—Engine, clutch and transmission unit rigidly secured in the frame by four brackets.
Drive—Engine, clutch, transmission assembly as a unit. Drive is transmitted through clutch, three-speed transmission, three metal universal joints, two-section tubular propeller shaft, spiral bevel gear differential and semi-floating axle shafts. Torque and thrust reaction absorbed through rear springs by Hotchkiss drive.
Clutch—Single dry disc type. Ball pilot bearing used in flywheel.
Transmission—Three speeds forward. One reverse. Shafts and gears of alloy steel. Ball bearings used in clutch and transmission shaft.
Drive Shaft—Tubular, 2 inches in diameter. Supported by two metal universal joints.
Front Axle—Drop forged reverse Elliott type. Roller thrust bearings at pivot pins. Taper roller bearings are used at the wheels.
Rear Axle—Semi-floating with chrome molybdenum steel shafts 1 1/2 inches diameter at wheel bearing. By removing housing cover all parts are readily accessible.
Brakes—4-wheel type, mechanical, self-energizing. Correct leverages provide powerful braking action with light pedal pressure. Emergency on four wheels.

Wheelbase—130 inches.
Capacity (Body, Cab, Payload, Driver)—3000 pounds.
Lubrication—Force feed to crankshaft, camshaft, connecting rod bearings. Oil filter insure clean oil.
Carburetor—1 1/4 inch special plain tube. No dash adjustment necessary except choke for cold weather.
Ignition and Generator—6-volt generator. Ignition coil is high tension moisture proof. Storage battery 6-volt, 90 ampere hour, capacity unit.
Starter—Bendix drive is used.
Cooling System—Positive chain driven pump and vertical tube type radiator. Horizontal fins afford maximum cooling. Fan blade 17 inches in diameter.
Engine Suspension—Engine, clutch and transmission unit rigidly secured in the frame by four brackets.
Drive—Engine, clutch, transmission assembly as a unit. Drive is transmitted through clutch, three-speed transmission, three metal universal joints, two-section tubular propeller shaft, spiral bevel gear differential and semi-floating axle shafts. Torque and thrust reaction absorbed through rear springs by Hotchkiss drive.
Clutch—Single dry disc type. Ball pilot bearing used in flywheel.
Transmission—Three speeds forward. One reverse. Shafts and gears of alloy steel. Ball bearings used in clutch and transmission shaft.
Drive Shaft—Tubular, 2 inches in diameter. Supported by two metal universal joints.
Front Axle—Drop forged reverse Elliott type. Roller thrust bearings at pivot pins. Taper roller bearings are used at the wheels.
Rear Axle—Semi-floating with chrome molybdenum steel shafts 1 1/2 inches diameter at wheel bearing. By removing housing cover all parts are readily accessible.
Brakes—4-wheel type, mechanical, self-energizing. Correct leverages provide powerful braking action with light pedal pressure. Emergency brake operates on rear wheel.

Studebaker reserves the right to change any of the specifications listed without obligation to subsequent purchasers or to add new designs or improvements without making similar alterations in automobiles already manufactured.
SPECIFICATIONS

4000 Pound Capacity Truck Chassis

Wheels—Clark metal spoke wheels.

Tires—30 x 5 high pressure, heavy duty, 6-ply in front and 32 x 8.10-ply high pressure heavy duty in rear.

Steering Gear—Cam and lever type specially designed.

Frame—Pressed steel channel. Maximum width 41 inches. Two pressed steel cross members and four tubular members. Frame has side members 61/2 inches deep, with 3-inch flange.

Springs—Semi-elliptic type used. Front 38 inches long, 2 inches wide, 13 leaves. Rear, 50 inches long, 21/2 inches wide, 12 leaves. Studebaker built.


Fenders—Fenders made of heavy gauge pressed steel.

Light—Twin-beam headlamps provide two distinct and separate beams of light. Controlled by switch on steering wheel.

Tread—Front, 561/2 inches; rear, 57 inches.

Overall Length (bumpers-rear of frame)—201 inches.

Overall Width (front fenders)-71 inches.

Overall Height (front bumper)-61 inches.

Frame Height (rear, loaded, approx.)—361/2 inches.

Road Clearance—front axle, 14 inches; rear axle, 84 inches.

Turning Radius—Right, 22.5 feet; left, 27.5 feet.

Spring Center Distance—front, 351/4 inches; rear, 39 inches.

Dash to Center Line Front Axle—351/4 inches.

Dash to Center Line Rear Axle—1121/4 inches.

Dash to Rear of Frame—140 inches.

Standard Equipment—Speedometer, engine temperature indicator, oil pressure gauge, ammeter and gasoline tank gauge, mounted in a panel in the instrument board. Spare tire room mounted in a well in the front left fender. Electric horn with button on steering column. The coincidental steering gear and ignition lock (approved by Insurance Underwriters' Laboratories) entitle owners to lowest theft insurance rates.

Studebaker reserves the right to change any of the specifications listed without obligation to subsequent purchasers or to add new designs or improvements without making similar alterations in automobiles already manufactured.

Heavy Duty Commercial Chassis »» 3 Sizes

Models & Capacity (Body, Cab and pay load)

Max. Capacity for Tires

Models Wheelbase (inches) Capacity (lb.) Max. Capacity Tires for Tires on standard size tires
77 158 7300 lbs. 32 x 6.5 H. p. dual 184 184
99 184 8300 lbs. 34 x 7 H. p. dual 184 184

Springs—Semi-elliptic. Front 38 x 21/2 and rear 56 inches. The rear ends of the front springs are carried on links of special steel, designed to take up wear. Gross "air springs" in front standard equipment.

Brakes—Amplified action, mechanical four-wheel brakes with oversized drums, front and rear. Westinghouse vacuum booster reduces normal pedal pressure two-thirds. Front and rear wheel brakes of the internal expanding type, with drums 171/2 x 3 inches on Models 99 Heavy Duty Chassis and 15 x 21/2 inches on Models 77 Junior and Model 88 Special Chassis.

Transmission—A parking brake mounted on rear of transmission. 14-inch ventilated disc type operated by hand brake lever located within easy reach.

Steering Gear—Non-reversing cam and lever type. Specially designed for balloon tires. 20-inch steering wheel. Taper roller bearings on steering pivots.

Frame—Deep, rigid pressed steel channel section, narrow at the front to allow a short turning radius. Side members 81/2 inches deep, with 3-inch flange, are secured by seven cross members in Model 99 Heavy Duty and Model Special and six cross members in Model 77 Junior. Frame greatly strengthened by sturdy mountings at front and rear of engine. Rigid construction of STUDEBAKER frame provides large factor of safety.

Wheels—Van heavy duty malleable spoke wheels—single or dual at rear. Ventilated type disc wheels at extra cost.

Tires—7.50 x 20—Duplex truck and bus balloon tires are standard on 99 and 88 models. 6.75 x 20—6-ply truck and bus balloon tires are standard on the model 77 chassis. Tire sizes shown at top of column at left, necessary for maximum capacities indicated.

Lights—Two-beam headlamps provide two distinct beams of light. Rear traffic signal light.

Equipment—Speedometer, engine thermometer, oil pressure gauge, and ammeter mounted in instrument panel. Gasoline gauge at filler. Front full width bumper at extra cost. Extra wheel rim and carrier.
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