

DESIGNED AND BUILT FOR

UTMOST SAFETY!

UTMOST COMFORT!

UTMOST ECONOMY!







SERIES B-750—for 60 passengers



COMPLETELY NEW FOR '53!

# FORD SAFETY CHASSIS

SAVE TIME . SAVE MONEY . LAST LONGER!

# 4 All-New Ford School Bus Safety Chassis

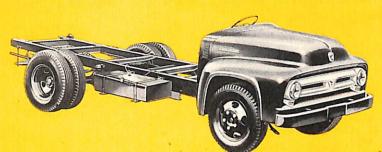
ALL-NEW FORD SAFETY CHASSIS FOR SCHOOL BUS BODIES with up to 60-

passenger capacity



Completely new B-Series Ford Safety School Bus Chassis are constructed to exceed every standard set by the National Education Association. They are tested extensively for fullest protection of the precious "cargo" they are to carry. The new Ford Safety Chassis are constructed to meet rigid requirements of daily dependability, thrifty operation, and riding comfort . . . requirements demanded by School Trustees and others entrusted with the responsibility of purchasing a School Bus chassis. To meet the increasing passenger-load needs of the nation's school systems, the line of

Ford Safety Chassis is greatly expanded for 1953. Four new series for bus bodies with up to 60-passenger capacity, powered by 4 great engines - V-8 or Six - up to 145-h.p.



SERIES B-500-154-in. wheelbase for bus bodies with up to 36 passenger capacity—G.V.W. 12,000 lbs. 101-h.p. Cost Clipper Six or 106-h.p. Truck V-8 engines.

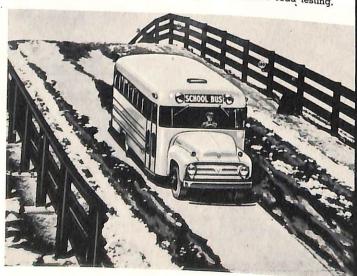


SERIES B-700-233-in wheelbase for hus bodies with up to 60 passenger capacity-G.V.W. 19,500 lbs 112-h.p. Big Six engine.

SERIES B-600-192-in, wheelbase for bus bodies with up to 54 passenger capacity—G.V.W. 16,000 lbs. 112-h.p. Big Six or 106-h.p. Truck V-8 engines.

### TESTED SAFETY!

Ford School Bus Safety Chassis are road-tested in every phase of performance. For example, a test on emergency braking and holding ability on hills is shown below. Here, a Ford School Bus descends a 30% grade in wintry weather. Ford Chassis undergo rigorous laboratory tests plus exhaustive road testing.



### TESTED COMFORT!

Springs, frame and axles receive a thorough testing at the Ford test track. On this stretch of cobblestone road, a Ford School Bus goal. School Bus gets a far rougher "ride" than under most normal service conditions. service conditions. Ford School Bus Chassis provide many comfort features guardings. fort features, such as progressive-type, multi-rate rear springs.



### TESTED AND PROVED IN EVERY WAY

The Ford School Bus Safety Chassis is tested and re-tested to make sure it meets every requirement of the National Education Association and the Ford Motor Company. Every important chassis component must meet uncompromising performance standards. Ford's advanced engineering and thorough testing program pays off in safer, more comfortable transportation . . . in more reliable service . . . and in a longer lifetime of economical operation!

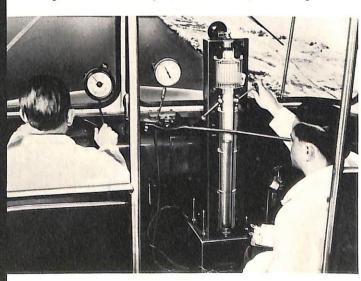
#### TESTED RELIABILITY!

Reliability, too, is of prime importance. This road test shows how well the Ford Chassis stands up under extreme punishment. Every vital part is built to far exceed the greatest calculated service stresses. For example, front axles can be twisted cold, five complete turns, without evidence of fracture.



#### TESTED ECONOMY!

Famed Ford economy is no accident. Exacting tests on fuel consumption, like the one at left, show how little the Ford School Bus Chassis costs to run. There's a 4-engine choice to fit your power needs. There's gas-saving Power Pilot - and many other features designed to hold down your running costs.









PERLEY A. THOMAS CAR WORKS, INC.

## EVERY IMPORTANT SCHOOL BUS BODY BUILDER MAKES BODIES FOR THE FORD SAFETY CHASSIS

Shown here are illustrations of typical school bus bodies, manufactured by some of the nation's leading bus body and equipment builders for the Ford School Bus Safety Chassis. With a choice of four series built in three wheelbase lengths to accommodate bus bodies with up to 60-passenger capacities, Ford offers a Safety Chassis well suited to handle your pupil load requirements. Your Ford Dealer will be happy to assist you in analyzing your school transportation problems. He will show you the Safety Chassis most applicable to your needs, and he will aid you in selecting and purchasing the school bus body to best suit your requirements.











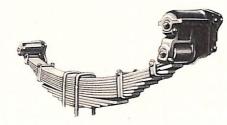


SUPERIOR COACH CORPORATION Lima, Ohio



### Extra Strength Means Extra Safety!







NEW HYDRAULIC BRAKES,

double-cylinder, rear, for smoother, safer stops. Self-centering for minimum lining and drum wear. Vacuum booster (std. B-600, B-700, B-750—avail. B-500). New air-over-hydraulic brake system, avail. B-750.

NEW LONGER SPRINGS, front, for greater riding comfort, with double wrapped fixed spring eyes for utmost safety. Rear springs are wide-span progressive type providing easy-riding action, whether bus is empty or fully loaded.

NEW DEEP-CHANNEL FRAMES, with parallel side rails for greatest strength. Wider front cross members provide greatly improved engine accessibility. Alligator-jaw type cross members make frame resistant to twisting.

## ALL-NEW FORD SAFETY CHASSIS DESIGN PROVIDES SHORTER TURNING FOR BETTER MANEUVERABILITY . . . GREATER SAFETY!







NEW WIDE-TREAD FRONT

AXLES are set back to provide a shorter wheelbase of greater maneuverability, increased stability. Body load center is moved forward for better weight distribution.

**NEW SHORTER TURNING!** Shorter wheelbases and wider tread

Shorter wheelbases and wider tredured reduce turning circle diameters up to 19%. Shorter turning provides easier handling . . . safer transportation under all conditions.

NEW HANDLING EASE! Roll
Action steering reduces friction for
easier turning. Increased steering
angles with wider tread provide
quicker response and better steering control for safer driving.

### ONLY FORD GIVES YOU ALL THESE FEATURES

NEEDLE-BEARING UNIVERSAL JOINTS for unexcelled durability. REMOVABLE BRAKE DRUMS for easier maintenance. WIDE CHOICE OF REAR AXLES and axle ratios — single-speed hypoid standard; 2-speed planet available for greater operating flexibility and economy. NON-WHIPPING PROPELLER SHAFTS, tubular, large diameter for extra strength. Extra-strong SAFETY DRIVE-SHAFT GUARDS. 3-, 4- and 5-speed direct drive or over-

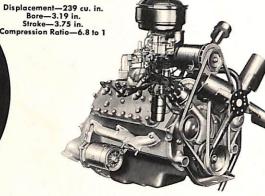
drive Synchro-Silent TRANSMISSIONS for quick operation, easy shifting. AUTOMATIC TIE ROD ENDS—spring-loaded, to take up wear. INDEPENDENT PROPELLER SHAFT HAND BRAKE, EXTENDED EXHAUST PIPE carries fumes away from body. 30-GALLON SAFETY FUEL TANK insulated from exhaust pipe. SAFETY DOUBLE-WRAP FRONT SPRING EYE DESIGN. DOUBLE-ACTING SHOCK ABSORBERS (extra cost).

### Only Ford Gives You a Choice of V-8 or Six

Displacement—215 cv. in. Bore—3.56 in. Stroke—3.60 in. npression Ratio—7.0 to 1 101-H.P. Chrome-plated top comp ring prevents scuffing during break-in COST CLIPPER New high-lift camshaft SIX for fast valve action For Series Full-Flow oil filter prolongs engine life

**FAMOUS** 106-H.P. TRUCK V-8 For Series

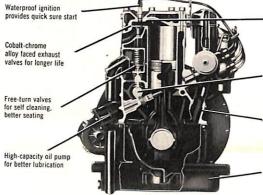
B-500 and



High turbulence combustion chambe Chrome-plated top ring designed to prevent scuffing during break-ins. Full-length water jackets Full pressure lubrication of each connecting rod bearing through drilled crank pins

Horizontal plane intake manifold for more uniform delivery of fuel mixture Free-turn valves for self cleaning, better seating for longer life prevents hot spots Autothermic pistons controlled piston-

Displacement—254 cu. in. Bore—3.50 in. Stroke—4.40 in. Compression Ratio—6.8 to 1 **PROVED** 112-H.P. BIG SIX For Series B-600 and B-700



Power-dome combustion chambers

for fast valve action

better seating and

Autothermic pistons

of aluminum allow

controlled piston-

to-wall clearance

with steel struts for

Series-Flow cooling

prevents hot spots

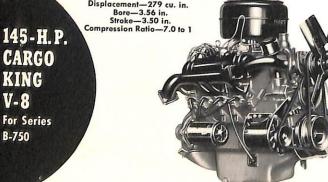
Full-pressure lubrication

of all crankshaft and

alloy block, specially heat-treated to reduce

Removable sump in oil pan for easier

Displacement—279 cu. in. Bore—3.56 in. Stroke—3.50 in.

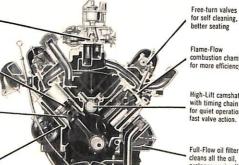


**Dual Downdraft carburetor** for better performance

> Chrome-plated top ring designed to preven

Autothermic pistons of aluminum alloy with steel struts for controlled piston-to-wall clearance.

Full-length water jackets surround each cylinder, maintain cylinder hore



for self cleaning, better seating

Flame-Flow mbustion chambers

High-Lift camshaft with timing chain drive

Full-Flow oil filter prolongs engine life.

### Choice of 3 Wheelbases

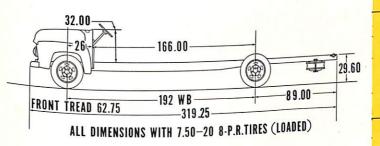
## **B-500** 128.00 265.25

ALL DIMENSIONS WITH 6.50-20 6-P.R. TIRES (LOADED)

#### B-500—SCHOOL BUS CHASSIS WITH COWL TIRES-6, Size-front and dual rear.... 6.50-20 6-p.r. 7.00-20 8-p.r. GROSS VEHICLE WEIGHT RATING.... 10,500 lbs. 12,000 lbs. 154 in. 154 in. \*CURB WEIGHT (with fuel and water) (est.). 4,170 lbs. 4,245 lbs. \*BODY, PUPIL LOAD, EQUIPMENT, etc. 6.330 lbs. 7,755 lbs.

\*With V-8 engine. For Six cylinder engine deduct 85 lbs. from "curb weight" and add like amount to body and pupil load. For 2-speed axle add 90 lbs. to "curb weight" and deduct like amount from body and pupil load.

### **B-600**



#### B-600-SCHOOL BUS CHASSIS WITH COWL

TIRES—6, Size—front and dual rear GROSS VEHICLE WEIGHT RATING		8.25-20 10-p.r. 16,000 lbs.
**WHEELBASE** *CURB WEIGHT (with fuel and water) (est.).	192 in. 4,630 lbs.	192 in. 4,756 lbs.
*BODY, PUPIL LOAD, EQUIPMENT, etc. (approx.)	9,370 lbs.	11,244 lbs.

\*With V-8 engine. For 112-h. p. Big Six add 25 lbs. to "curb weight" and deduct like amount from body and pupil load. For 2-speed axle add 60 lbs. to "curb weight" and deduct like amount from body and pupil load.

8.25-20 10-p.r.

17,000 lbs

5.736 lbs.

11,264 lbs.

9.00-20 10-p.r.

19,500 lbs.

233 in.

5,82% lbs

13,673 lbs.

B-700-SCHOOL BUS CHASSIS WITH COWL

7.50-20 8-p.r

14,250 lbs.

5.540 lbs

8,710 lbs.

TIRES-6, Size-

GROSS VEHICLE

front and dual rear.

WEIGHT RATING.

WHEELBASE..... \*CURB WEIGHT (with

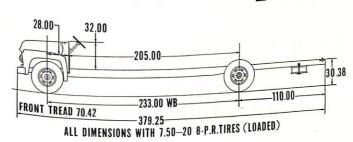
\*BODY, PUPIL LOAD,

EQUIPMENT, etc.

(approx.).....

fuel and water) (est.)

### **B-700**



\*For 2-speed axle add 115 lbs. to "curb weight" and deduct like amount from body and pupil load. For disc wheels deduct 10 lbs. from "curb weight" and add to pupil load.

### **B-750**

28,00 32,00		
	205.00	31.08
FRONT TREAD 68.75	233.00 WB	110.00
ALL D	IMENSIONS WITH 8.25-2	U IU-F.N.TINEO

### B-750-SCHOOL BUS CHASSIS WITH COWL

TIRES—6, Size—front and dual rear GROSS VEHICLE WEIGHT RATING	8.25-20 10-p.r. 17,000 lbs.	9.00-20 10-p.r. 20,000 lbs.
WHEELBASE	233 in.	233 in.
*CURB WEIGHT (with fuel and water) (est.)	6,145 lbs.	6,235 lbs.
*BODY, PUPIL LOAD, EQUIPMENT, etc. (approx.)	10,855 lbs.	13,765 lbs.

\*For 2-speed axle add 115 lbs. to "curb weight" and deduct from body and pupil load For disc wheels deduct 10 lbs. from "curb weight" and add to body and pupil load. For disc wheels deduct 10 lbs. to "curb weight" and deduct from body and pupil load.

### School Bus Safety Chassis Specifications

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SERIES	B-500	B-600	B-700	B-750
RATING Max. G.V.W., Lbs.	12,000	16,000	19,500	20,000
REAR TIRE SIZE FOR MAX. G.V.W. p.r.=Ply Rating	7.00-20 8-p.r. Dual	8.25-20 10-p.r. Dual	9.00-20 10-p.r. Dual	9.00-20 10-p.r. Dual
WHEELBASE Inches	154	192	233	233
AXLE, FRONT Capacity, Lbs.	4,000	4,600	6,000	6,000
(Set Back, Wide Tread) Size (Height x Width x Web), In.	2.57 x 1.89 x 0.35	2.57 x 2.0 x 0.41	3.0 x 2.5 x 0.50	3.0 x 2.5 x 0.50
(Heat-Treated Alloy Steel Forging) Tread (Std. Tires), In.	63.93	62.75	70.42	68.75
AXLE, REAR Capacity, Lbs.	11,000 (S.S.)—13,000 (2-S.)	13,000	15,000	15,000
STANDARD Type	Hypoid—Banjo H	ousing—Full Floating	Hypoid—Split Ho	using—Full Floating
S.S.=Single Speed Tread (Std. Tires), In.	66.53	67.10	69.50	69.50
2-5.= 2-Speed Axle Shaft Diam. at Spline, In.	1.625	1.75	1.875	1.875
- Axle Ratios (to 1)	6.20—6.80	6.80—6.20—7.20	7.20	7.20
OPTIONAL Type	2-Speed Planet	2-Speed Planet	2-Speed Planet	2-Speed Planet
Axle Ratios (to 1)	5.83/8.11	5.83/8.11—6.33/8.81	6.50/9.04	6.50/9.04
BRAKES, SERVICE (Hydraulic) Front—Type		r, Self-Energizing		Anchor
(Demountable Drums, Cast Iron Braking Surface) Size, In.	13 x 2.25	13 x 2.25	16 x 2.25	16 x 2.25
†With 2-Speed Axle Rear—Type		Double Cylinder, Self-Energizin		
Size, In.	14.125 x 3.5   15 x 4†	15 x 4	15 x 5	15 x 5
Total Area (Sq. In.) Lining—Drum	323—494 <b>366—562</b>	366—562	444—697	444—697
Single Unit Vacuum Booster—Type—Size, In.	Opt.—Diaphragm, 81/8	Std.—Diaphragm, 81/8	Std.—Diaphragm, 101/4	Std.—Diaphragm, 101/4
Optional Air-Over-Hydraulic Actuation of Std. Brakes	_		——————————————————————————————————————	Air Booster, 41/2"
BRAKES, HAND Type		Independent—Drum on Driv		
*With 5-Speed Transmission Size, In.—Lining Area, Sq. In.	7.81 x 2.5—61.5	7.81 x 2.5—61.5   9.5 x 3—89*	9.5 x 3—89	9.5 x 3—89
ENGINES AVAILABLE	106-h.p. V-8 or 101-h.p. Six	112-h.p. Big Six or 106-h.p. V-8	112-h.p. Big Six	145-h.p. V-8
CLUTCH (Gyro-Grip) Diameter, In.—Frictional Area, Sq. In.	11 Heavy Duty—123.7	11 Heavy Duty—123.7	11 Heavy Duty—123.7	12—149.2
TRANSMISSION (Helical Synchro-Silent) STANDARD—Type	4-Speed	4-Speed	4-Speed	H. D. 5-Spd. Overdrive
OD.= Overdrive OPTIONAL—Type	Heavy Duty 3-Speed	5-Spd. OD. or Direct	5-Spd. OD. or Direct	H.D. 5-Spd. Direct
DRIVE LINE		hafts with Protective Guards, Needle B		
FRAME Type		apered Front and Rear	•	—Tapered Front and Rear
Max. Side Rail Dimensions, (Depth x Flange x Thickness) In.	8.88 x 2.88 x 0.25	8.94 x 2.90 x 0.28	9 x 3 x 0.25	9 x 3 x 0.25
Channel Reinforcement, (Depth x Flange x Thickness) In.		<u> </u>	8.5 x 2.56 x 0.15	8.5 x 2.56 x 0.15
Section Modulus	8.80	9.92	13.83	13.83
FUEL TANK (with Metal Exhaust Heat Insulator) Gals, Capacity STEERING GEAR Ratio—Steering Wheel Diam In	30—Outside Right Rail	30—Outside Right Rail	30—Outside Right Rail	30—Outside Right Rail
matte eteeting mitter blams, mit	20.4 to 1—18	20.4 to 1—18	20.5 to 1—20	20.5 to 1—20
(Worm and Needle Brg. Rol.) Turning Cir. Diam.—Right or Left, Ft.  SPRINGS FRONT Size (Length x Width), In.—No. Leaves	51.1	62.1	73.9	73.6
and the same of th	45 x 2—8	45 x 2—8	46 x 2.5—12	46 x 2.5—12
The second secon	Progressive	Progressive	Progressive	Progressive
Size (Length x Width), In.—No. Leaves WHEELS AND RIMS Number—Size: Standard	52 x 2.5—10 7—20 x 5.0, RH5°	52 x 2.5—13	52 x 3—12 c.s.—20 x 6.0, R 5°	52 x 3—12
c.s. = 4 cast spoke wheels and	7—20 x 5.0, RH5°	7—20 x 6.0, RH5°	c.s.—20 x 6.0, R 5°	c.s.—20 x 6.5, R 5°
7 demountable rims Optional	/ 20 x 0.0, KH3		c.s.—20 x 6.5, R5°	c.s.—20 x 7.0, R5° 7 d.—20 x 6.5, RH5°
d.=disc wheels with integral rims			7 d.—20 x 7.0, R5°	/ U.—20 X 0.5, KH5
TIRES Size—Ply Rating: Standard	6.50 x 20—6 F. & D. R.	7.50 x 20—8 F. & D. R.	7.50 x 20—8 F. & D. R.	8,25 x 20—10 F, & D, R,
F=Front D.R.=Dual Rear	7.00 x 20—8 F. & D. R.	7.50 × 20—8 F. &	7.50 x 20—8 F. &	9.00 × 20—10 F. & D. R.
△= With 2-Speed Axle Only	7.50 x 20—8 F. & D. R.	8.25 × 20—10 D. R.	8.25 x 20—10 D. R.	7.50 A 20-10 1. Q D. N.
	7.50 x 20—8 F. &	8.25 x 20—10 F. & D. R.	8.25 × 20—10 F. & D. R.	
Optional	8.25 × 20—10 D. R.△		8.25 × 20—10 F. &	7.
Optional equipment, shown in bold			9.00 × 20—10 D. R.	
face italics, is available at extra cost.			9.00 × 20—10 F. & D. R.	

#### CHASSIS EQUIPMENT included as standard, in addition to items specified above:

Hood, Cowl and Dash Assembly
Front Fenders
Channel Front Bumper
Steel Toe Boards
Center Cowl Ventilator
Instrument Panel
Speedometer
Water Temperature Gage
Oil Pressure Gage
Fuel Gage
Charge Indicator
Ash Receptacle
Dispatch Box
Choke Button
Ignition Switch with Key Lock
Light Switch
Push Button Starter Switch

andard, in addition to items specified ab
Hand Throttle
Treadle Type Accelerator Pedal
Single Electric Horns (B-500 and B-600)
Twin Electric Horns (B-700 and B-750)
6-Volt, 17-Plate, 120-Amp. Hr. Battery
35-Amp., 250-Watt Generator (B-500 and B-600)
40-Amp., 280-Watt Generator (B-700 and B-750)
Parking Lights
Left-hand Stop and Tail Light
Sealed Beam Head Lights
Power Pilot Carburetion-Ignition
1 Qt. Oil Bath Air Cleaner
Oil Filter (B-600 Big Six, B-700 and B-750)
Engine Governor (B-600 Big Six, B-700, B-750)
Extended Tail Pipe
Spare Tire Carrier (B-500 and B-600)
Jack and Tool Kit

#### FINISH AND COLOR COMBINATION

Frame, Bumper, Wheels, 30-Gal. Frame Mounted Fuel Tank, Fuel Filler Cap, Tail Light ... Black Head Lamp Doors ... Argent (silver) Emblem, Insignia and Series Plates ... Bright Metal Fenders, Hood, Cowl, Grille Recess and Grille ... Prime

### AVAILABLE EQUIPMENT AND ACCESSORIES, in addition to optional items listed above, at extra cost: Oil Filter—B-500 (V-8 or 6) B-600 (V-9)

Battery—136-Amp. Hr.
Directional Turn Signals (Flasher Type)
Engine Compartment Light
Fan, Heavy-Duty Cooling
Fire Extinguisher (1½ qt.)
Fuel Pump with Vacuum Booster—
for Positive Action Windshield Wipers
—B-500 (V-8 or Six) and B-600 (V-8)
Generator—6-Volt, 45-Amp.
Governors—B-500 (V-8 or 6), B-600 (V-8)

Oil Filter—B-500 (V-8 or 6), B-600 (V-8) Locking Gas Tank Cap Radiator Grille Guard, Heavy-Duty Reflector Flares (3 in Kit) with Flags Rims—Wide Base for Cast Wheels—B-700 and B-750 (see Table) Road Lamps Spare Tire Carrier (B-700 and B-750) Shock Absorbers—Front and Rear Tail Light—Right Hand Tow Hooks—Front

These specifications were in effect at the time this folder was approved for printing. The Ford Division of the Ford Motor Co., whose policy is one of continuous improvement, reserves the right, however, to discontinue models or change at any time, specifications, design or prices without notice and without incurring any obligation. Availability of equipment, accessories and trim is dependent on material supply conditions.

FORD Division of FORD MOTOR COMPANY

DEARBORN, MICHIGAN

#### FORD ECONOMY TRUCKS SAVE TIME, SAVE MONEY, LAST LONGER

Using latest registration data on 8,069,000 trucks, life insurance experts prove Ford Trucks last longer!

