

**SPECIFICATIONS FOR 2001 SCHOOL BUS CHASSIS  
TO MEET REQUIREMENTS OF  
VIRGINIA STATE BOARD OF EDUCATION**

**NAVISTAR – 34 – PASSENGER – DIESEL – HYDRAULIC BRAKE**

<b><u>GVWR</u></b>	20,200 LB.	<b><u>WHEELBASE</u></b>	152”
<b><u>WHEELS</u></b>	DISC – 8 – S TUD BUDD TYPE – 22.5 X 6.75 RIM		
<b><u>TIRES</u></b>	9R22.5 – 12 PLY TUBELESS RADIAL		
<b><u>FRAME</u></b>	ONE PIECE SIDE MEMBER – 10.125” X 3.062” X .312” FRONT TOW HOOKS		
<b><u>STEERING</u></b>	ROSS TAS-40	<b><u>TURNING RADIUS</u></b>	22’11”” CURB TO CURB
<b><u>FRONT BUMPER</u></b>	¼” CHANNEL STEEL		
<b><u>FRONT AXLE</u></b>	SPICER “T” BEAM 6,000 LB.		
<b><u>REAR AXLE</u></b>	SPICER SINGLE SPEED 15,500 LB.	<b><u>RATIO</u></b>	4.78
<b><u>BRAKES</u></b>	HYDRAULIC DISC – BENDIX DUAL SYSTEM WITH ABS		
<b><u>PARKING BRAKE</u></b>	PROPELLOR SHAFT BAND TYPE – 9” X 3” WITH ORSCHELN TYPE LEVER		
<b><u>SUSPENSION</u></b>	FRONT SPRINGS – TAPERED LEAF – 3,000 LB. EACH @ GROUND REAR SPRINGS – TAPERED LEAF – 7,750 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<b><u>ENGINE</u></b>	T-444E – 175HP – DIESEL – 420 LB. FT. TORQUE @ 1500 RPM – VISCOUS FAN DRIVE HAND THROTTLE – ELECTRONIC SET ICM TO MAX. ROAD SPEED OF 55 MPH		
<b><u>RADIATOR</u></b>	374 SQ. IN. – CAPACITY 36.5 QUARTS– 190 DEGREE THERMOSTAT		
<b><u>TRANSMISSION</u></b>	SPICER5-SPEED DIRECT IN 5 <sup>TH</sup>		
<b><u>CLUTCH</u></b>	14” SINGLE PLATE CERAMIC – STARTER SAFETY SWITCH		
<b><u>DRIVE SHAFT</u></b>	GREASE FITTINGS ON ALL “U”JOINTS GUARDS ON ALL SHAFTS		
<b><u>FUEL TANK</u></b>	35 GALLON FILL – 32 GALLON DRAW – RIGHT SIDE MOUNTED		
<b><u>AIR CLEANER</u></b>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<b><u>OIL FILTER</u></b>	2 -QUART SPIN-ON		
<b><u>BATTERY</u></b>	TWO 12 VOLT – 1850 CCA - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<b><u>ALTERNATOR</u></b>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<b><u>HORN</u></b>	DUAL ELECTRIC		
<b><u>LIGHTS</u></b>	PER FMVSS108		
<b><u>EXHAUST</u></b>	16 GA. (MIN.) STEEL TO EXTEND AT LEAST 5” BEYOND END OF FRAME – HEAT SHIELD		
<b><u>GAUGES</u></b>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<b><u>COLOR</u></b>	FRAME, WHEELS, AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		
<b><u>FRONT END</u></b>	LOW EFFORT TILT HOOD		

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**NAVISTAR - 52 – PASSENGER DIESEL– HYDRAULIC BRAKE**

<b><u>GVWR</u></b>	23,000 LB	<b><u>WHEELBASE</u></b>	218”
<b><u>WHEELS</u></b>	DISC – 8 – STUD BUDD TYPE – 22.5 X 6.75 RIM		
<b><u>TIRES</u></b>	9R22.5 – 12 PLY TUBELESS RADIAL		
<b><u>FRAME</u></b>	ONE PIECE SIDE MEMBER – 10.125” X 3.062” X .312” FRONT TOW HOOKS		
<b><u>STEERING</u></b>	ROSS TAS-40	<b><u>TURNING RADIUS</u></b>	31’6” CURB TO CURB
<b><u>FRONT BUMPER</u></b>	¼” CHANNEL STEEL		
<b><u>FRONT AXLE</u></b>	SPICER “T” BEAM 8000 LB.		
<b><u>REAR AXLE</u></b>	SPICER SINGLE SPEED 15,500 LB.	<b><u>RATIO</u></b>	4.78
<b><u>BRAKES</u></b>	HYDRAULIC DISC – HYDROMAX II – BENDIX DUAL SYSTEM WITH ABS		
<b><u>PARKING BRAKE</u></b>	PROPELLOR SHAFT BAND TYPE – 9” X 3” WITH ORSCHELN TYPE LEVER		
<b><u>SUSPENSION</u></b>	FRONT SPRINGS – PARABOLIC – 4,000 LB. EACH @ GROUND REAR SPRINGS – PROGRESSIVE TYPE – 7,750 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<b><u>ENGINE</u></b>	T-444E 175 HP – DIESEL – 430 LB. FT. TORQUE @ 1500 RPM – VISCOUS FAN DRIVE GLOW PLUG STARTING SYSTEM HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<b><u>RADIATOR</u></b>	374 SQ. IN. – CAPACITY 36.5 QUARTS – 190 DEGREE THERMOSTAT		
<b><u>TRANSMISSION</u></b>	SPICER 5-SPEED DIRECT IN 5 <sup>TH</sup>		
<b><u>CLUTCH</u></b>	14” SINGLE PLATE CERAMIC – STARTER SAFETY SWITCH		
<b><u>DRIVE SHAFT</u></b>	GREASE FITTINGS ON ALL “U” JOINTS GUARDS ON ALL SHAFTS		
<b><u>FUEL TANK</u></b> <b><u>AIR CLEANER</u></b>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<b><u>OIL FILTER</u></b>	2-QUART SPIN-ON		
<b><u>BATTERY</u></b>	TWO 12 VOLT – 1850 CCA - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<b><u>ALTERNATOR</u></b>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<b><u>HORN</u></b>	DUAL ELECTRIC		
<b><u>LIGHTS</u></b>	PER FMVSS108 – DAYTIME RUNNING LIGHTS		
<b><u>EXHAUST</u></b>	16 GA. (MIN.) STEEL TO EXTEND AT LEAST 5” BEYOND END OF FRAME – HEAT SHIELD		
<b><u>GAUGES</u></b>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<b><u>COLOR</u></b>	FRAME, WHEELS, AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		
<b><u>FRONT END</u></b>	LOW EFFORT TILT HOOD		

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**NAVISTAR - 52 – PASSENGER DIESEL– AIR BRAKE**

<b><u>GVWR</u></b>	23,500 LB.	<b><u>WHEELBASE</u></b>	218"
<b><u>WHEELS</u></b>	DISC – 10 – STUD BUDD TYPE – 22.5 X 7.5 RIM		
<b><u>TIRES</u></b>	10R22.5 – 12 PLY TUBELESS RADIAL		
<b><u>FRAME</u></b>	ONE PIECE SIDE MEMBER – 10.125" X 3.062" X .312" FRONT TOW HOOKS		
<b><u>STEERING</u></b>	ROSS TAS-40	<b><u>TURNING RADIUS</u></b>	31'6" CURB TO CURB
<b><u>FRONT BUMPER</u></b>	¼" CHANNEL STEEL		
<b><u>FRONT AXLE</u></b>	SPICER "I" BEAM 8000 LB.		
<b><u>REAR AXLE</u></b>	SPICER SINGLE SPEED 17,500 LB.	<b><u>RATIO</u></b>	4.78
<b><u>BRAKES</u></b>	FULL AIR – 13.2 CF COMPRESSOR – 15" X 4" FRONT – 161/2" X 7" REAR – BW DRYER		
<b><u>PARKING BRAKE</u></b>	SPRING LOADED REAR CHAMBERS		
<b><u>SUSPENSION</u></b>	FRONT SPRINGS – PARABOLIC – 4,000 LB. EACH @ GROUND REAR SPRINGS – PROGRESSIVE TYPE – 9,250 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<b><u>ENGINE</u></b>	T-444E 175 HP – DIESEL – 430 LB. FT. TORQUE @ 1500 RPM – VISCOUS FAN DRIVE GLOW PLUG STARTING SYSTEM HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<b><u>RADIATOR</u></b>	374 SQ. IN. – CAPACITY 36.5 QUARTS – 190 DEGREE THERMOSTAT		
<b><u>TRANSMISSION</u></b>	SPICER 5-SPEED DIRECT IN 5 <sup>TH</sup> – OR ALLISON AUTOMATIC		
<b><u>CLUTCH</u></b>	14" SINGLE PLATE CERAMIC – STARTER SAFETY SWITCH		
<b><u>DRIVE SHAFT</u></b>	GREASE FITTINGS ON ALL "U" JOINTS GUARDS ON ALL SHAFTS		
<b><u>FUEL TANK</u></b> <b><u>AIR CLEANER</u></b>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<b><u>OIL FILTER</u></b>	2-QUART SPIN-ON		
<b><u>BATTERY</u></b>	TWO 12 VOLT – 1850 CCA - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<b><u>ALTERNATOR</u></b>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<b><u>HORN</u></b>	DUAL ELECTRIC		
<b><u>LIGHTS</u></b>	PER FMVSS108 – DAYTIME RUNNING LIGHTS		
<b><u>EXHAUST</u></b>	16 GA. (MIN.) STEEL TO EXTEND AT LEAST 5" BEYOND END OF FRAME – HEAT SHIELD		
<b><u>GAUGES</u></b>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<b><u>COLOR</u></b>	FRAME, WHEELS, AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		
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**NAVISTAR - 64 – PASSENGER DIESEL– HYDRAULIC BRAKE**

<b><u>GVWR</u></b>	25,500 LB	<b><u>WHEELBASE</u></b>	254"
<b><u>WHEELS</u></b>	DISC – 10 – STUD BUDD TYPE – 22.5 X 7.5 RIM		
<b><u>TIRES</u></b>	10R22.5 – 12 PLY TUBELESS RADIAL		
<b><u>FRAME</u></b>	ONE PIECE SIDE MEMBER – 10.125" X 3.062" X .312" FRONT TOW HOOKS		
<b><u>STEERING</u></b>	ROSS TAS-40	<b><u>TURNING RADIUS</u></b>	___' ___" CURB TO CURB
<b><u>FRONT BUMPER</u></b>	¼" CHANNEL STEEL		
<b><u>FRONT AXLE</u></b>	SPICER "I" BEAM 10,000 LB.		
<b><u>REAR AXLE</u></b>	SPICER SINGLE SPEED 17,500 LB.	<b><u>RATIO</u></b>	4.78
<b><u>BRAKES</u></b>	HYDRAULIC DISC – HYDROMAX II – BENDIX DUAL SYSTEM WITH ABS		
<b><u>PARKING BRAKE</u></b>	PROPELLOR SHAFT BAND TYPE – 9" X 3" WITH ORSCHELN TYPE LEVER		
<b><u>SUSPENSION</u></b>	FRONT SPRINGS – PARABOLIC – 5,000 LB. EACH @ GROUND REAR SPRINGS – PROGRESSIVE TYPE – 9,900 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<b><u>ENGINE</u></b>	T-444E 175 HP – DIESEL – 430 LB. FT. TORQUE @ 1500 RPM – VISCOUS FAN DRIVE GLOW PLUG STARTING SYSTEM HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<b><u>RADIATOR</u></b>	374 SQ. IN. – CAPACITY 36.5 QUARTS – 190 DEGREE THERMOSTAT		
<b><u>TRANSMISSION</u></b>	SPICER 5-SPEED DIRECT IN 5 <sup>TH</sup>		
<b><u>CLUTCH</u></b>	14" SINGLE PLATE CERAMIC – STARTER SAFETY SWITCH		
<b><u>DRIVE SHAFT</u></b>	GREASE FITTINGS ON ALL "U" JOINTS GUARDS ON ALL SHAFTS		
<b><u>FUEL TANK</u></b> <b><u>AIR CLEANER</u></b>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<b><u>OIL FILTER</u></b>	2-QUART SPIN-ON		
<b><u>BATTERY</u></b>	TWO 12 VOLT – 1850 CCA - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<b><u>ALTERNATOR</u></b>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<b><u>HORN</u></b>	DUAL ELECTRIC		
<b><u>LIGHTS</u></b>	PER FMVSS108 – DAYTIME RUNNING LIGHTS		
<b><u>EXHAUST</u></b>	16 GA. (MIN.) STEEL TO EXTEND AT LEAST 5" BEYOND END OF FRAME – HEAT SHIELD		
<b><u>GAUGES</u></b>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<b><u>COLOR</u></b>	FRAME, WHEELS, AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		
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<b><u>TIRES</u></b>	10R22.5 – 12 PLY TUBELESS RADIAL		
<b><u>FRAME</u></b>	ONE PIECE SIDE MEMBER – 10.125" X 3.062" X .312" FRONT TO W HOOKS		
<b><u>STEERING</u></b>	ROSS TAS-40	<b><u>TURNING RADIUS</u></b>	___' ___" CURB TO CURB
<b><u>FRONT BUMPER</u></b>	¼" CHANNEL STEEL		
<b><u>FRONT AXLE</u></b>	SPICER "I" BEAM 10,000 LB.		
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<b><u>TRANSMISSION</u></b>	SPICER 5-SPEED DIRECT IN 5 <sup>TH</sup> -OR ALLISON AUTOMATIC		
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<b><u>FUEL TANK</u></b> <b><u>AIR CLEANER</u></b>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<b><u>OIL FILTER</u></b>	2-QUART SPIN-ON		
<b><u>BATTERY</u></b>	TWO 12 VOLT – 1850 CCA - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<b><u>ALTERNATOR</u></b>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<b><u>HORN</u></b>	DUAL ELECTRIC		
<b><u>LIGHTS</u></b>	PER FMVSS108 – DAYTIME RUNNING LIGHTS		
<b><u>EXHAUST</u></b>	16 GA. (MIN.) STEEL TO EXTEND AT LEAST 5" BEYOND END OF FRAME – HEAT SHIELD		
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<b><u>COLOR</u></b>	FRAME, WHEELS, AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		
<b><u>FRONT END</u></b>	LOW EFFORT TILT HOOD		