

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF EDUCATION
P.O. BOX 2120
RICHMOND, VIRGINIA 23218-2120

SPECIFICATION NOTICE 01-1 SEPTEMBER 1, 2000

TO: TAMI FOWLER, CUSTOMER SPECIFICATION ANALYST, AMERICAN TRANSPORTATION CORP.

FROM : VINCE NEVIUS, ASSOCIATE SPECIALIST, PUPIL TRANSPORTATION SERVICE

SUBJECT: APPROVED BUS BODIES AND SPECIFICATIONS FOR USE IN VIRGINIA.

BASED ON VIRGINIA'S 2001 SPECIFICATIONS AND FLOOR PLAN DRAWINGS SUPPLIED TO THIS OFFICE BY AMERICAN TRANSPORTATION CORPORATION, THE FOLLOWING BODIES AND SPECIFICATIONS ARE APPROVED SUBJECT TO ACTUAL MEASUREMENTS OF COMPLETED UNITS.

<u>NO. PASS.</u>	<u>WB</u>	<u>ROWS</u>	<u>OAL</u>	<u>KNEE ROOM</u>	<u>DRAWING NO.</u>
34-CONV.	152"	6	19'2"	26.1"	DX0566A001
52-CONV.	218"	9	25'11"	25.5"	DX0356A001
64-CONV.	254"	11	30'5"	25.1"	DX0219A006
42-TRANSIT	144"	7	26'3"	27.5"	DA0060A004
54-TRANSIT	144"	9	28'6"	26.3"	DA0081A002
66-TRANSIT	180"	11	33'0"	25.4"	DA0041A001
72-TRANSIT	198"	12	35'3"	25.3"	DA0009A024
78-TRANSIT	216"	13	37'6"	25.0"	DA0026A006
84-TRANSIT	234"	14	39'9"	25.0"	DA0014A014
66-TRANSIT-RE	195"	11	33'2"	25.0"	DC0122A001
72-TRANSIT-RE	222"	12	35'5"	25.0"	DC0011A032
78-TRANSIT-RE	249"	13	37'8"	25.0"	DC0005A025
84-TRANSIT-RE	276"	14	39'11"	25.0"	DC0003A022

TYPE "A" UNITS WILL BE APPROVED ON AN INDIVIDUAL BASIS.

ADDITIONAL LENGTH BODIES MAY BE REQUESTED FOR LIFT GATE BODIES.
A MAXIMUM OF TWO ELONGATED SECTIONS WILL BE PERMITTED.
A BACK-UP ALARM OF APPROX. 97 DBA SHALL BE INSTALLED ON EACH BUS.
AN APPROVED STROBE LIGHT SHALL BE INSTALLED ON EACH BUS.
PLASTIC BODY AUX. HEATER PUMPS WILL **NOT** BE APPROVED.
ALL CROSSING GATES SHALL HAVE A LATCH.
SPECIAL NEEDS BUSES AND ALL GAS POWERED BUSES SHALL BE SUPPLIED WITH A JOMARR THERMATIC FIRE EXTINGUISHER SYSTEM WITH NAF S-111 LIQUID AGENT.

ALL CONSTRUCTION, MATERIAL, AND EQUIPMENT MUST COMPLY WITH "REGULATIONS GOVERNING PUPIL TRANSPORTATION INCLUDING MINIMUM STANDARDS FOR SCHOOL BUSES IN VIRGINIA" – JULY 1994.

CC:KINGMOR SUPPLY

AMTRAN-01

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

AMTRAN – 42F – PASSENGER DIESEL – AIR BRAKE

<u>GVWR</u>	29,500 LB	<u>WHEELBASE</u>	144"
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 14 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10.125" X 3.062" X .312" FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	22'6" CURB TO CURB
<u>FRONT BUMPER</u>	¼" CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER "T" BEAM 12,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 17,500 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15" X 5" FRT. – 161/2" X 7" REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 7,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 9,250 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR DT-466E – 175 HP @ 2300 – 430 LB. FT. TORQUE @ 1500 HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	685 SQ. IN. – CAPACITY 28 QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON AT-545 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL "U" JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	35 GALLON – 32 GALLON DRAW – RIGHT SIDE MOUNTED		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2" FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

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

AMTRAN – 54F– PASSENGER DIESEL– AIR BRAKE

<u>GVWR</u>	29,500 LB	<u>WHEELBASE</u>	144"
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 14 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10.125" X 3.062" X .312" FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	22'6" CURB TO CURB
<u>FRONT BUMPER</u>	¼" CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER "I" BEAM 12,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 17,500 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15" X 5" FRT. – 16 1/2" X 7" REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 7,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 9,250 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR DT-466E – 175 HP @ 2300 – 430 LB. FT. TORQUE @ 1500 HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	685 SQ. IN. – CAPACITY 28 QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON AT-545 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL "U" JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	35 GALLON – 32 GALLON DRAW – RIGHT SIDE MOUNTED		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2" FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

**SPECIFICATIONS FOR 2001 SCHOOL BUS CHASSIS
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AMTRAN – 66F– PASSENGER DIESEL– AIR BRAKE

<u>GVWR</u>	29,500 LB	<u>WHEELBASE</u>	180”
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 14 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10.125” X 3.062” X .312” FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	27’4” CURB TO CURB
<u>FRONT BUMPER</u>	¼” CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER “T” BEAM 12,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 17,500 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15” X 5” FRT. – 16½” X 7” REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 7,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 9,250 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR DT-466E – 175 HP @ 2300 – 430 LB. FT. TORQUE @ 1500 HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	685 SQ. IN. – CAPACITY 28 QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON AT-545 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL “U” JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2” FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

**SPECIFICATIONS FOR 2001 SCHOOL BUS CHASSIS
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AMTRAN – 66RE– PASSENGER DIESEL– AIR BRAKE

<u>GVWR</u>	30,000 LB	<u>WHEELBASE</u>	195”
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 14 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10” X 3” X .250” FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	29’7” CURB TO CURB
<u>FRONT BUMPER</u>	¼” CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER “I” BEAM 12,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 19,800 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15” X 5” FRT. – 161/2” X 7” REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 6,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 9,250 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR T-444E – 190 HP @ 2300 RPM—485 LB. FT. TORQUE @1500 RPM HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	766 SQ. IN. – CAPACITY _____ QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON AT-545 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL “U” JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2” FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

**SPECIFICATIONS FOR 2001 SCHOOL BUS CHASSIS
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AMTRAN – 72F– PASSENGER DIESEL– AIR BRAKE

<u>GVWR</u>	29,500 LB	<u>WHEELBASE</u>	198”
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 14 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10.125” X 3.062” X .312” FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	29’1” CURB TO CURB
<u>FRONT BUMPER</u>	¼” CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER “I” BEAM 12,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 17,500 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15” X 5” FRT. – 161/2” X 7” REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 7,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 9,250 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR DT-466E – 175 HP @ 2300 – 430 LB. FT. TORQUE @ 1500 HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	685 SQ. IN. – CAPACITY 28 QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON AT-545 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL “U” JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2” FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

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AMTRAN – 72RE– PASSENGER DIESEL– AIR BRAKE

<u>GVWR</u>	30,000 LB	<u>WHEELBASE</u>	222"
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 14 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10" X 3" X .250" FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	32'1" CURB TO CURB
<u>FRONT BUMPER</u>	¼" CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER "I" BEAM 12,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 19,800 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15" X 5" FRT. – 161/2" X 7" REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 6,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 10,000 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR T-444E –190 HP @ 2300 485 LB. FT. TORQUE @ 1500 HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	766 SQ. IN. – CAPACITY _____ QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON AT- 545 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL "U" JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2" FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

**SPECIFICATIONS FOR 2001 SCHOOL BUS CHASSIS
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AMTRAN – 78F– PASSENGER DIESEL– AIR BRAKE

<u>GVWR</u>	30,000 LB	<u>WHEELBASE</u>	216"
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 16 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10.125" X 3.062" X .312" FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	31'4" CURB TO CURB
<u>FRONT BUMPER</u>	¼" CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER "I" BEAM 14,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 19,000 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15" X 5" FRT. – 161/2" X 7" REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 7,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 10,000 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR DT-466E – 190 HP @ 2300 – 485 LB. FT. TORQUE @ 1500 HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	685 SQ. IN. – CAPACITY 28 QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON AT-545 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL "U" JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	65 GALLON – 61 GALLON DRAW – MOUNTED RIGHT SIDE		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2" FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

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

AMTRAN – 78RE– PASSENGER DIESEL– AIR BRAKE

<u>GVWR</u>	30,000 LB	<u>WHEELBASE</u>	249”
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 14 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10” X 3” X .250” FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	35’8” CURB TO CURB
<u>FRONT BUMPER</u>	¼” CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER “I” BEAM 12,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 19,800 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15” X 5” FRT. – 161/2” X 7” REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 6,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 10,000 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR T-444E – 190 HP @ 2300 RPM – 485 LB. FT. TORQUE @ 1500rpm HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	766 SQ. IN. – CAPACITY _____ QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON AT-545 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL “U” JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2” FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

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

AMTRAN – 84F– PASSENGER DIESEL– AIR BRAKE

<u>GVWR</u>	33,000 LB	<u>WHEELBASE</u>	234"
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 16 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10.125" X 3.062" X .312" FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	34'5" CURB TO CURB
<u>FRONT BUMPER</u>	¼" CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER "I" BEAM 14,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 19,000 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15" X 5" FRT. – 161/2" X 7" REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 7,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 10,000 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR DT-466E – 210 HP @ 2300 – 520 LB. FT. TORQUE @ 1500 HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	685 SQ. IN. – CAPACITY 28 QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON MT-643 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL "U" JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	65 GALLON – 61 GALLON DRAW – MOUNTED RIGHT SIDE		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2" FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

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

AMTRAN – 84RE– PASSENGER DIESEL– AIR BRAKE

<u>GVWR</u>	30,000 LB	<u>WHEELBASE</u>	276”
<u>WHEELS</u>	DISC – 10 – STUD BUDD TYPE – 22.5 X 8.25 RIM		
<u>TIRES</u>	11R22.5 – 14 PLY TUBELESS RADIAL		
<u>FRAME</u>	ONE PIECE SIDE MEMBER – 10” X 3” X .250” FRONT TOW HOOKS		
<u>STEERING</u>	ROSS TAS-65	<u>TURNING RADIUS</u>	35’8” CURB TO CURB
<u>FRONT BUMPER</u>	¼” CHANNEL STEEL		
<u>FRONT AXLE</u>	SPICER “I” BEAM 12,000 LB.		
<u>REAR AXLE</u>	SPICER SINGLE SPEED 21,000 LB.	<u>RATIO</u>	5.38
<u>BRAKES</u>	FULL AIR – 13.2 CF. COMPRESSOR – 15” X 5” FRT. – 161/2” X 7” REAR – BW DRYER		
<u>PARKING BRAKE</u>	SPRING LOADED REAR CHAMBERS		
<u>SUSPENSION</u>	FRONT SPRINGS – PARABOLIC – 6,000 LB. EACH @ GROUND REAR SPRINGS – VARI-RATE – 11,500 LB. EACH @ GROUND SHOCK ABSORBERS FRONT AND REAR		
<u>ENGINE</u>	NAVISTAR T-444E – 210 HP @ 2300 RPM – 485 LB. FT. TORQUE @ 1500rpm HAND THROTTLE – ELECTRONIC SET ECM TO MAX. ROAD SPEED OF 55 MPH		
<u>RADIATOR</u>	766 SQ. IN. – CAPACITY _____ QUARTS – 190 DEGREE THERMOSTAT		
<u>TRANSMISSION</u>	ALLISON MT-643 AUTOMATIC WITH FILTER AND QUADCO CONTROL		
<u>DRIVE SHAFT</u>	GREASE FITTINGS ON ALL “U” JOINTS GUARDS ON ALL SHAFTS		
<u>FUEL TANK</u>	65 GALLON – 61 GALLON DRAW – RIGHT SIDE MOUNTED		
<u>AIR CLEANER</u>	DRY ELEMENT TYPE WITH RESTRICTION GAUGE		
<u>OIL FILTER</u>	TWO - 1-QUART SPIN-ON		
<u>BATTERY</u>	TWO 12 VOLT – 925 CCA -EACH - POSITIVE CABLE RED – NEGATIVE CABLE BLACK		
<u>ALTERNATOR</u>	145 AMP DELCO - 4 GA. CHARGING AND GROUND CIRCUITS		
<u>HORN</u>	DUAL ELECTRIC		
<u>LIGHTS</u>	PER FMVSS108		
<u>EXHAUST</u>	16 GA. (MIN.) STEEL TO EXTEND TO BUT NOT BEYOND 11/2” FROM REAR BUMPER HEAT SHIELD		
<u>GAUGES</u>	SPEEDOMETER TO SHOW TENTHS OF MILE TACHOMETER VOLTMETER TEMPERATURE GAUGE OIL PRESSURE GAUGE FUEL GAUGE		
<u>COLOR</u>	FRAME, WHEELS, RUB RAILS AND BUMPER SHALL BE BLACK BALANCE TO BE NATIONAL SCHOOL BUS YELLOW PAINT SHALL MEET LEAD FREE STANDARDS		

