



TEST BUS CHECK-IN

I. OBJECTIVE

The objective of this task is to log in the test bus, assign a bus number, complete the vehicle data form, and perform a safety check.

II. TEST DESCRIPTION

The test consists of assigning a bus test number to the bus, cleaning the bus, completing the vehicle data form, obtaining any special information and tools from the manufacturer, determining a testing schedule, performing an initial safety check, and performing the manufacturer's recommended preventive maintenance. The bus manufacturer must certify that the bus meets all Federal regulations.

III. DISCUSSION

The check-in procedure is used to identify in detail the major components and configuration of the bus.

The test bus consists of a model Low Floor Friendly Bus. The bus is built on a Ford Motor Co. F450 XL Super Duty chassis. The bus has Ford OEM cab driver's and passenger doors rear of the front axle a right side passenger door equipped with a Ricon model BR 2SSOO Bi-fold ramp, rear of the cab door, and also a rear door centered in the back equipped with a Ricon model BR 2SSOO Bi-fold ramp. Power is provided by a diesel-fueled, International Truck and Engine Corp. model A325 engine coupled to a Ford Motor Co. model 5-Speed TorqShift transmission.

The measured curb weight is 5,980 lbs for the front axle and 6,340 lbs for the rear axle. These combined weights provide a total measured curb weight of 12,320 lbs. There are 14 seats including the driver and room for 16 standing passengers bringing the total passenger capacity to 30. Gross load is 150 lb x 30 = 4,500 lbs. At full capacity, the measured gross vehicle weight is 16,750 lbs.

VEHICLE DATA FORM

Bus Number: 0706	Arrival Date: 5-11-07
Bus Manufacturer: Dallas Smith Corporation	Vehicle Identification Number (VIN): 1FDXF46P25EB88079
Model Number: Low Floor Friendly Bus	Date: 5-23-07

Personnel: T.S. & S.C.	Chassis: Ford Motor Co. / F450 XL Super Duty
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WEIGHT:

Individual Wheel Reactions:

Weights (lb)	Front Axle		Middle Axle		Rear Axle	
	Right	Left	Right	Left	Right	Left
CW	3,020	2,960	N/A	N/A	3,010	3,330
SLW	3,240	3,180	N/A	N/A	3,660	4,340
GVW	3,500	3,460	N/A	N/A	4,500	5,290

Total Weight Details:

Weight (lb)	CW	SLW	GVW	GAWR
Front Axle	5,980	6,420	6,960	7,000
Middle Axle	N/A	N/A	N/A	N/A
Rear Axle	6,340	8,000	9,790	12,000
Total	12,320	14,420	16,750	GVWR: 16,000

Dimensions:

Length (ft/in)	28 / 0
Width (in)	106.0
Height (in)	98.0
Front Overhang (in)	36.0
Rear Overhang (in)	75.0
Wheel Base (in)	225.0
Wheel Track (in)	Front: 75.0
	Rear: 85.0

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CLEARANCES:

Lowest Point Outside Front Axle	Location: Tie rod Clearance(in): 11.1
Lowest Point Outside Rear Axle	Location: Handicap ramp Clearance(in): 11.4
Lowest Point between Axles	Location: Fuel tank bracket Clearance(in): 8.0
Ground Clearance at the center (in)	8.0

Front Approach Angle (deg)	23.3
Rear Approach Angle (deg)	8.9
Ramp Clearance Angle (deg)	4.1
Aisle Width (in)	22.0
Inside Standing Height at Center Aisle (in)	78.0

BODY DETAILS:

Body Structural Type	Semi-monocoque		
Frame Material	Steel		
Body Material	Steel / fiberglass		
Floor Material	Plywood		
Roof Material	Fiberglass		
Windows Type	<input type="checkbox"/> Fixed	<input type="checkbox"/> Movable	
Window Mfg./Model No.	Janel Glass / AS-3 DOT 322 M-180		
Number of Doors	<input checked="" type="checkbox"/> Front	<input checked="" type="checkbox"/> Rear	
Mfr. / Model No.	A & M / 123874		
Dimension of Each Door (in)	Driver's – 40.7 x 47.5 Cab pass. – 40.7 x 47.5	Front pass. – 36.8 x 70.4 Rear pass. – 37.0 x 71.4	
Passenger Seat Type	<input type="checkbox"/> Cantilever	<input type="checkbox"/> Pedestal	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	Freedman Seating Co. / Mid High FW 35"		
Driver Seat Type	<input type="checkbox"/> Air	<input type="checkbox"/> Spring	<input type="checkbox"/> Other (cushion)
Mfr. / Model No.	Recaro Seats / LXF High Back		
Number of Seats (including Driver)	14		

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BODY DETAILS (Contd..)

Free Floor Space (ft ²)	25.0
Height of Each Step at Normal Position (in)	Front 1. <u>12.7</u> 2. <u>N/A</u> 3. <u>N/A</u> 4. <u>N/A</u>
	Middle 1. <u>N/A</u> 2. <u>N/A</u> 3. <u>N/A</u> 4. <u>N/A</u>
	Rear 1. <u>15.8</u> 2. <u>N/A</u> 3. <u>N/A</u> 4. <u>N/A</u>
Step Elevation Change - Kneeling (in)	2.0 (Rear)

ENGINE

Type	<input type="checkbox"/> C.I.	<input type="checkbox"/> Alternate Fuel	
	<input type="checkbox"/> S.I.	<input type="checkbox"/> Other (explain)	
Mfr. / Model No.	International Truck and Engine Corp. / A325		
Location	<input type="checkbox"/> Front	<input type="checkbox"/> Rear	<input type="checkbox"/> Other (explain)
Fuel Type	<input type="checkbox"/> Gasoline	<input type="checkbox"/> CNG	<input type="checkbox"/> Methanol
	<input type="checkbox"/> Diesel	<input type="checkbox"/> LNG	<input type="checkbox"/> Other (explain)
Fuel Tank Capacity (indicate units)	35 gals.		
Fuel Induction Type	<input type="checkbox"/> Injected	<input type="checkbox"/> Carburetion	
Fuel Injector Mfr. / Model No.	International Truck and Engine Corp. / A325		
Carburetor Mfr. / Model No.	N/A		
Fuel Pump Mfr. / Model No.	International Truck and Engine Corp. / A325		
Alternator (Generator) Mfr. / Model No.	Motorcraft / OEM American Armature / NA		
Maximum Rated Output (Volts / Amps)	12 / 130 (Motorcraft) 12 / 200 (Ameriacan)		
Air Compressor Mfr. / Model No.	Thomas Compressors / BA3616-4208-7		
Maximum Capacity (ft ³ / min)	N/A		
Starter Type	<input type="checkbox"/> Electrical	<input type="checkbox"/> Pneumatic	<input type="checkbox"/> Other (explain)
Starter Mfr. / Model No.	Visteon / 4M23B		

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TRANSMISSION

Transmission Type	<input type="checkbox"/> Manual	<input type="checkbox"/> Automatic	
Mfr. / Model No.	Ford Motor Co. / 5-Speed Torqshift		
Control Type	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Other
Torque Converter Mfr. / Model No.	Ford Motor Co. / 5-Speed Torqshift		
Integral Retarder Mfr. / Model No.	N/A		

SUSPENSION

Number of Axles	2		
Front Axle Type	<input type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle	
Mfr. / Model No.	Dana Corp. / 60		
Axle Ratio (if driven)	4.88		
Suspension Type	<input type="checkbox"/> Air	<input type="checkbox"/> Spring	<input type="checkbox"/> Other
No. of Shock Absorbers	2		
Mfr. / Model No.	Motorcraft / 5634-18045-HE		
Middle Axle Type	<input type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle	
Mfr. / Model No.	N/A		
Axle Ratio (if driven)	N/A		
Suspension Type	<input type="checkbox"/> Air	<input type="checkbox"/> Spring	<input type="checkbox"/> Other
No. of Shock Absorbers	N/A		
Mfr. / Model No.	N/A		
Rear Axle Type	<input type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle	
Mfr. / Model No.	Dallas Smith Corporation / D810015 & 16		
Axle Ratio (if driven)	N/A		
Suspension Type	<input type="checkbox"/> Air	<input type="checkbox"/> Spring	<input type="checkbox"/> Other
No. of Shock Absorbers	2		
Mfr. / Model No.	Motorcraft / 5C34-18080		

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WHEELS & TIRES

Front	Wheel Mfr./ Model No.	Accuride / 19.5 x 6.00
	Tire Mfr./ Model No.	General LMT 400 / 22.5 / 70R 19.5
Rear	Wheel Mfr./ Model No.	Accuride / 19.5 x 7.5
	Tire Mfr./ Model No.	Michelin XTA2 / 265 / 70R 19.5

BRAKES

Front Axle Brakes Type	<input type="checkbox"/> Cam	<input type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	TRW / 6C34-2B120-BA & 6C34-B121-BA		
Middle Axle Brakes Type	<input type="checkbox"/> Cam	<input type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	N/A		
Rear Axle Brakes Type	<input type="checkbox"/> Cam	<input type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	TRW / 6C34-2B120-BA & 6C34-B121-BA		
Retarder Type	N/A		
Mfr. / Model No.	N/A		

HVAC

Heating System Type	<input type="checkbox"/> Air	<input type="checkbox"/> Water	<input type="checkbox"/> Other
Capacity (Btu/hr)	65,000		
Mfr. / Model No.	Ford Motor Co. / O.E.M. Rear- ACC Climate Control / 20077A000A		
Air Conditioner	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Location	Front – dash Rear – roof		
Capacity (Btu/hr)	Front - NA Rear – 87,000		
A/C Compressor Mfr. / Model No.	International Components Engineering / 2521467 International Components Engineering / TM - 16		

STEERING

Steering Gear Box Type	Hydraulic gear
Mfr. / Model No.	Ford / XR-50
Steering Wheel Diameter	15.5
Number of turns (lock to lock)	4.0

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OTHERS

Wheel Chair Ramps	Location: Front right & Rear center	Type: Bi Fold Ramp Bi Fold Ramp
Wheel Chair Lifts	Location: N/A	Type: N/A
Mfr. / Model No.	Ricon Corp / Bi Fold / BR2SS00 (Both)	
Emergency Exit	Location: Window Hatch Door	Number: 2 1 2

CAPACITIES

Fuel Tank Capacity (units)	35 gals
Engine Crankcase Capacity (quarts)	15.0
Transmission Capacity (quarts)	17.5
Differential Capacity (pints)	6.3
Cooling System Capacity (quarts)	27.5
Power Steering Fluid Capacity (gallons)	NA

COMPONENT/SUBSYSTEM INSPECTION FORM

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Subsystem	Checked	Comments
Air Conditioning Heating and Ventilation	✓	
Body and Sheet Metal	✓	
Frame	✓	
Steering	✓	
Suspension	✓	
Interior/Seating	✓	
Axles	✓	Front wheel drive.
Brakes	✓	
Tires/Wheels	✓	
Exhaust	✓	
Fuel System	✓	
Power Plant	✓	
Accessories	✓	
Lift System	✓	
Interior Fasteners	✓	
Batteries	✓	

CHECK - IN



DALLAS SMITH CORP.

**MODEL LOW FLOOR FRIENDLY BUS
CHECK - IN CONT.**



MODEL LOW FLOOR

EQUIPPED WITH A RICON MODEL BR 2SS00 HANDICAP RAMPS

FRIENDLY BUS

