



Driven By You

# S2 CHASSIS

# Shuttle Bus

# S2



## Features & Benefits

- 1** The extraordinarily durable Mercedes-Benz® MBE 900 and Cummins® ISB electronic diesel engines not only reduce operating costs but also provide a fine balance of low-end acceleration and high-end torque.
- 2** Allison® 2100 PTS with optional 2200 PTS, 2500 PTS and 3000 PTS automatic transmissions deliver smooth, precise shifting and optimal fuel economy.
- 3** Taper-leaf front suspension, rated from 7,000 to 12,000 lb.—with optional tuned Sachs® shocks — provides a smooth ride.
- 4** Multi-leaf rear suspension, rated from 12,500 to 16,000 lb., and taper-leaf rear suspension, rated from 18,000 to 23,000 lb., minimizes the effects of potholes and bumps. AirLiner® air suspension, rated 21,000 and 23,000 lb.—with tuned Sachs shocks — is optional.
- 5** Freightliner's exceptional 55-degree wheel cut increases maneuverability, making it much easier to negotiate tight turns and cramped spaces.
- 6** Durable, heavy-duty steel frame rails reduce flex and bowing, minimize coach stress and keep driver and passengers comfortable.
- 7** The tilt/telescoping steering column is controlled by foot-lever release, so hands stay on the wheel. A see-through steering reservoir makes checking and filling easy. The steering shaft is lube-free.
- 8** To reduce the number of fuel stops, choose between a 35-, 60- or 100-gallon rectangular steel fuel tank with left-hand or right-hand fill. The tank is mounted between the rails.
- 9** Bosch® hydraulic pin-slide disc brakes—with Meritor® WABCO hydraulic four-channel ABS—deliver reliable, uniform stopping power and better steering control in emergency situations. Meritor air brakes are optional.
- 10** The sloped hood helps ensure excellent forward visibility. Torsion-bar assistance lets you open the hood with minimum exertion. The hood tilts forward, allowing easy engine access.
- 11** The new automotive-style, ergonomically designed dash has a low profile to maximize visibility and an instrument cluster with a driver's message center. Its odometer/trip, hour/diagnostic/voltage display provides accurate, instant feedback.

# STANDARD FEATURES AND OPTIONS: S2 CHASSIS

The superior choice for public transportation, resort and hotel shuttles, day-tour operators and any business with special transport needs.

S2 SHUTTLE BUS CHASSIS	
<b>Engine:</b>	190 hp Mercedes-Benz® 7.2L with 520 lb./ft. torque @ 1,200 rpm
<b>Optional engines:</b>	210 hp Mercedes-Benz 7.2L with 520 lb./ft. torque @ 1,200 rpm 230 hp Mercedes-Benz 7.2L with 620 lb./ft. torque @ 1,200 rpm 250 hp Mercedes-Benz 7.2L with 660 lb./ft. torque @ 1,200 rpm  200 hp Cummins® ISB 6.7L with 520 lb./ft. torque @ 1,600 rpm 220 hp Cummins ISB 6.7L with 520 lb./ft. torque @ 1,600 rpm 240 hp Cummins ISB 6.7L with 560 lb./ft. torque @ 1,600 rpm 240 hp Cummins ISB 6.7L with 620 lb./ft. torque @ 1,600 rpm 260 hp Cummins ISB 6.7L with 620 lb./ft. torque @ 1,600 rpm
<b>Transmission:</b>	Allison® 2100 PTS
<b>Optional transmission:</b>	Allison 2200 PTS, 2500 PTS, 3000 PTS
<b>GVWR:</b>	19,500 lbs. to 33,000 lbs.
<b>Alternator:</b>	Delco Remy® 160 amp, 28-SI
<b>Optional alternators:</b>	Leece-Neville® 170 amp, 185 amp, 200 amp, 270 amp and 320 amp
<b>Axles:</b>	
<b>Front:</b>	AAC® AF-08.0-2, 8,000 lbs. FC1
<b>Optional front axle:</b>	AAC AF-10.0-3, 10,000 lbs.; AF-12.0-3, 12,000 lbs.
<b>Rear:</b>	AAC ARS 13-2, 13,000 lbs.
<b>Optional rear axle:</b>	AAC ARS-15, 15,000 lbs.; ARS-17.5, 17,500 lbs.; ARS-19.0-2, 19,000 lbs. and ARS-21, 21,000 lbs.
<b>Suspension:</b>	
<b>Front:</b>	Taper-leaf spring, 7,000 lbs.
<b>Optional front suspension:</b>	Taper-leaf spring, 9,000 lbs., 10,000 lbs. and 12,000 lbs. ratings
<b>Rear:</b>	52" Variable-rate multi-leaf spring, 12,500 lbs.
<b>Optional rear suspension:</b>	52" 2-stage taper-leaf spring with rubber helper, 18,000 lbs., 21,000 lbs. and 23,000 lbs. ratings; 21,000 lbs. and 23,000 lbs. AirLiner® air suspension with tuned Sachs® shocks with rear sway bar
<b>Steering:</b>	TRW® tilt/telescoping steering column; TRW THP-45 or THP-60 steering gear; 55-degree wheel cut
<b>Brakes:</b>	Bosch® hydraulic pin-slide disc brakes, front and rear WABCO® hydraulic ABS (4) channel
<b>Optional air brakes:</b>	Meritor® 15" x 4" Q+; 15" x 5" Q+; 16.5" x 5" Q+; Rear 16.5" x 6" Q+
<b>Frame:</b>	5/16" x 3" x 10 1/8" 50 kpsi; 80 kpsi with rear air suspension
<b>Wheelbase:</b>	158", 179", 199", 219", 238", 259", 279"
<b>Fuel tank:</b>	35-gal. between the rails
<b>Optional fuel tanks:</b>	60- or 100-gal. mounted between the rails
<b>Tires:</b>	Goodyear® G149 245/75R 22.5" 14-ply
<b>Optional tires:</b>	Goodyear or Michelin® 255/70R 22.5" 16-ply
<b>Dash:</b>	New automotive-styled, ergonomically designed dash; odometer/trip, hour/diagnostic/voltage display; LED backlights on switches and gauges offer solid-state design and longer life; integral driver cup holders
<b>Wiring:</b>	Fully multiplex electrical system with body-builder-ready electrical drop for ADA wiring
<b>Hood:</b>	Torsion-bar-assisted for easy opening with minimal force; composite headlamps with brighter beam pattern and integral turn signals
<b>Bumper:</b>	Three-piece steel bumper; optional three-piece with plastic ends molded for integral fog lights; optional single-piece; optional chrome
<b>Battery box:</b>	Frame-mounted battery box with sliding tray; capable of holding dual 8 D batteries
<b>Select standards:</b>	Daylight running lights
	Standard cruise control and programmable high idle
<b>Select options:</b>	Center switch panel with cutouts for body-builder switches Chrome grille and headlight bezels Dual Seltec® TM-21 A/C compressors T-handle shift lever with interlock Dash A/C

Call Freightliner Custom Chassis Corporation at (800) 545-8831, or visit us on the Web at [freightlinerchassis.com](http://freightlinerchassis.com).

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