



Custom Chassis

Driven By You

S2 CHASSIS

Armored & Utility

Applications



Features & Benefits

- 1** The durable Mercedes-Benz® MBE 900 electronic diesel engine not only reduces operating costs but also provides a fine balance of low-end acceleration and high-end torque.
- 2** Allison® 2100 with optional 2200, 2500 and 3000 automatic transmissions deliver smooth, precise shifting and optimal fuel economy.
- 3** Taper-leaf front suspension, rated from 7,000 to 12,000 lb., provides a smooth, solid ride.
- 4** Optional taper-leaf rear suspension, rated from 18,000 to 23,000 lb., minimizes the effects of potholes and bumps. AirLiner® air suspension, rated from 21,000 to 23,000 lb., is optional.
- 5** Durable, heavy-duty steel frame rails reduce flex and bowing to minimize body stress and keep driver and passengers comfortable.
- 6** Freightliner's exceptional 55-degree wheel cut increases maneuverability, making it much easier to negotiate tight turns and cramped spaces.
- 7** The tilt/telescoping power 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** Standard 35-gallon fuel tank between the rails. Optional 60- or 100-gallon fuel tank 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. To keep the hood from slamming shut too quickly, a hood damper is also provided.
- 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.

FREIGHTLINER CUSTOM CHASSIS S2

Armored & Utility Applications Standards Features & Options

S2 ARMORED & UTILITY CHASSIS	
Engine:	190 hp Mercedes-Benz® 7.2L with 520 lb./ft. torque @ 1,200 rpm
Optional engines:	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
Transmission:	Allison® 2100
Optional transmission:	Allison 2200, 2500, 3000
GVWR:	20,000 lb. to 33,000 lb.
Alternator:	Delco Remy® 160 amp, 28-SI
Optional alternators:	Leece-Neville® 160 amp, 200 amp, 270 amp and 320 amp
Axles:	
Front:	AAC® AF-08.0-2, 8,000 lb. FC1
Optional front axle:	AAC AF-10.0-3, 10,000 lb.; AF-12.0-3, 12,000 lb.
Rear:	AAC ARS 13-2, 13,000 lb.
Optional rear axle:	AAC ARS-15, 15,000 lb.; ARS-17.5, 17,500 lb.; ARS-19.0-2, 19,000 lb.; ARS-21, 21,000 lb. and ARS-23, 23,000 lb.
Suspension:	
Front:	Taper-leaf spring, 7,000 lb.
Optional front suspension:	Taper-leaf spring, 9,000 lb.; 10,000 lb. and 12,000 lb.
Rear:	52" Variable-rate multi-leaf spring, 12,500 lb.
Optional rear suspension:	52" 2-stage taper-leaf springs with rubber helper, 18,000 lb., 21,000 lb. and 23,000 lb.; 21,000 lb., 23,000 lb. AirLiner® air suspension with rear sway bar
Steering:	TRW tilt/telescoping steering column; TRW THP-45 and THP-60 steering gear; 55-degree wheel cut
Brakes:	Bosch® hydraulic pin-slide disc brakes, front and rear WABCO® hydraulic ABS (4) channel
Optional air brakes:	Meritor® 15" x 4" Q+; 15" x 5" Q+; 16.5" x 5" Q+; Rear 16.5" x 6" Q+
Frame:	5/16" x 3" x 10 1/8"; 80 kpsi
Wheelbase:	158", 179", 199", 219", 238", 259", 279"
Fuel tank:	35-gal. between the rails
Optional fuel tanks:	60-gal and 100-gal between the rails; 45-gal. right-side mount
Tires:	Goodyear® G149 245/75R 22.5" 14-ply
Optional tires:	Goodyear or Michelin® 245/75R 22.5" 14-ply through 11R 22.5", most treads
Dash:	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
Wiring:	Fully multiplex electrical system with body-builder-ready electrical drop for interlocks
Hood:	Torsion-bar-assisted for easy opening with minimal force; composite headlamps with brighter beam pattern and integral turn signals
Bumper:	One-piece, 14" painted steel, 1/4" HD; optional, one-piece, 14" painted steel, 1/4" HD with reinforcements for jack provision; optional three-piece chrome
Battery box:	Frame-mounted battery box with sliding tray; capable of holding dual 8 D batteries
Select standards:	Daylight running lights Cruise control and programmable high idle
Select options:	Center switch panel with cutouts for body-builder switches Chrome grille and headlight bezels Dash A/C Dual Seltec® TM-21 A/C compressors T-handle shift lever with interlock

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

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