



Run Smart™

# FREIGHTLINER

## BUSINESS CLASS® M2



# Built for maximum productivity, performance and profitability.



The Business Class® M2 line of trucks offers unparalleled benefits that help businesses increase productivity, performance and profitability. Available in 106- and 112-inch BBC platforms, the Business Class M2 supports a wide range of bodies and chassis-mounted equipment, making it the ideal solution for pickup and delivery, towing, food and beverage distribution, tanker and fire/emergency applications. Vocational models are available for specialized jobs such as garbage pickup and utility repair.

## Designed for the demands of your business.

The demands of driving in urban environments require a truck that's agile, comfortable and easy to drive. That's why the Business Class M2 delivers a tight turning radius, and its optional automatic transmission is easy on new and experienced drivers alike. And because driver comfort is key, this truck features a spacious cab with low step-in height, an advanced heating and cooling system and a smooth, quiet ride.

# BUSINESS CLASS M2



## Best overall value.

Increased efficiency leads to increased profits, so the Business Class M2 offers great fuel economy and easy maintenance for maximum productivity with minimum downtime. Adding to the value of ownership is Freightliner's legendary customer support, a network of more than 400 dealers across North America and a 24-hour assistance hotline that will keep you operating at peak efficiency day in and day out. The Business Class M2 is more than just a vehicle. It's a clear business advantage.



# Versatility and efficiency to meet the demands of today's business.



## BUSINESS CLASS M2 106

### The all-around performer.

The Business Class M2 106 is the true utility player of the family, offering the perfect platform for a variety of applications. Available as a truck or a tractor, it is extremely agile, featuring up to a 55-degree wheel cut, set-back front axle and swept-back bumper for excellent maneuverability in tight urban situations.

With a GVWR of up to 60,000 pounds, this medium-duty vehicle supports a wide range of bodies and chassis-mounted equipment. It comes standard with a powerful yet fuel efficient MBE 900 engine, with horsepower ratings from 170-350 hp. It's available with manual, automatic and automated transmissions from Mercedes-Benz, Eaton® Fuller® and Allison, as well as Freightliner's SmartShift® option that offers hands-on-the-wheel shifting with AGS transmissions.

Stylish and practical, the Business Class M2 106 features an aerodynamic sloped hood, low profile dash and an expansive 2,500 square-inch windshield that gives drivers unparalleled visibility. With a multiplex wiring system, clear frame rails and a variety of exhaust packages, you can get the configuration you need for the job at hand.





## BUSINESS CLASS M2 106V

### For applications requiring a front engine PTO.

Freightliner's Business Class M2 106V is designed for vocational applications requiring a front engine PTO and front frame extensions, such as refuse collection, snow plowing, crane and utility operations and fire/emergency needs. Front frame rail extensions in 6," 12" and 24" increments come standard and give a solid mounting point for hydraulic pumps, winches, front stabilizers and snowplows.

Available with front suspension ratings up to 20,000 pounds and single or dual steering gears, the Business Class M2 106V will take on jobs previously unsuited for a truck this size. It comes standard with the MBE 900 family of engines with 170-350 hp. But for all its power, it is



amazingly agile. Like its sibling the Business Class M2 106, it features a tight wheel cut and a lightweight aluminum cab that maximizes payload. Its 1,000 square-inch radiator provides excellent cooling capacity, and the PTO shaft runs below the radiator, not through it, for optimal cooling and reliability. It's the perfect solution for specialized applications.



# Ready to take on heavy-duty assignments.



## BUSINESS CLASS M2 112

### Built for power and performance.

With a GVWR of up to 66,000 pounds, the Business Class M2 112 is the truck for the most demanding situations. It comes standard with a powerful MBE 4000 engine, with horsepower ratings from 350-450 hp and 1,450 ft.-lbs. of torque. Transmission options include manual, automatic and automated transmissions from Mercedes-Benz, Eaton Fuller and Allison, as well as Freightliner's SmartShift option that offers hands-on-the-wheel shifting with AGS transmissions.

The Business Class M2 112 has a lightweight aluminum cab that maximizes payload and resists corrosion. It's available as a truck, tractor or truck with end-of-frame connectors. With optional spring or air suspensions—including Freightliner's TufTrac™ and AirLiner® rear suspensions rated up to 52,000 pounds—this truck delivers a smooth, even ride under the most demanding conditions. In fact, with frames of up to 3.7 million RBM and 1,200 square-inch radiators, the Business Class M2 112 can tackle the toughest jobs.





## BUSINESS CLASS M2 112V

### For vocational applications requiring a front engine PTO.

The Business Class M2 112V is designed for vocational applications requiring high horsepower and a front engine PTO, such as snow plows, refuse collection and mixers. With a variety of front engine PTO op-



tions, it comes standard with front frame rail extensions in 12," 18" and 24" increments and dash-mounted PTO controls. Also standard is the MBE 4000 engine, which offers the best combination of power, fuel efficiency and ease of service.

The Business Class M2 112V is all about choices. Select from a full range of transmissions, each with PTO capabilities. Choose from the easy-to-replace three-piece steel bumper that comes standard, or opt for the rigid one-piece bumper for severe applications. Also available is a wing dash that brings controls and gauges closer to the driver and an air-ride seat that assures a smooth, comfortable ride. For operating in adverse conditions, the cab features a precise HVAC system that keeps temperatures constant and an insulation package that protects against noise and temperature extremes. Whatever the job, the Business Class M2 112V is ready and willing to take on the assignment.



# Powered for serious performance.

The Business Class M2 may look stylish on the outside, but underneath it's pure productivity. A broad range of engine and transmission choices allows the buyer to select the optimum combination to match virtually any business application. All models come standard with one of Freightliner's proprietary Mercedes-Benz engines, which means outstanding drivability and durability combined with excellent fuel economy and low cost of operation. All engine options meet strict EPA '07 emissions standards that require engines built in 2007 and beyond to burn cleaner and dramatically reduce emissions of nitrogen oxides and particulate matter. The new engines run on ultra low sulfur diesel fuel and use low ash engine oil.

Along with cleaner-burning engines, a number of design changes have been made to improve performance. A new turbocharger design adds responsiveness while reducing the amount of fuel required for acceleration. The truck features a larger, more efficient cooling system without changing the hood profile, preserving the vehicle's excellent line of sight.

## The EPA '07 compliant power system.

The EPA '07 power system features an exhaust after-treatment device (ATD) that breaks down soot and captures ash in a diesel particulate filter. This double-walled device is mounted on the chassis and replaces the muffler assembly. Servicing entails cleaning or exchanging the filter at a service shop and can be performed with other scheduled maintenance. Service is required no more often than every 150,000 miles or 6,000 hours of service.

Soot is broken down in the ATD through a process known as "regeneration." There are two types of regeneration: passive and active. Passive regeneration is an ongoing process that happens as the truck is operated and the internal temperature of the ATD is high enough to break down soot. If the truck's duty cycle prevents the exhaust from reaching the optimal temperature, an active regeneration is required. On Detroit Diesel, Mercedes-Benz and Cummins® engines, the additional heat required for an active regeneration is achieved by passing diesel fuel through a diesel oxidation catalyst. Caterpillar® engines use the proprietary Caterpillar Regeneration System.

### ENGINES

TYPE	RATINGS
Mercedes-Benz MBE 900	Ratings from 170-350 hp
Mercedes-Benz MBE 4000	Ratings from 350-450 hp
Cummins ISB	Ratings from 200-300 hp
Cummins ISC	Ratings from 240-330 hp
Caterpillar C13	Ratings from 305-470 hp
	Some higher hp ratings only available for emergency service applications.

### TRANSMISSIONS

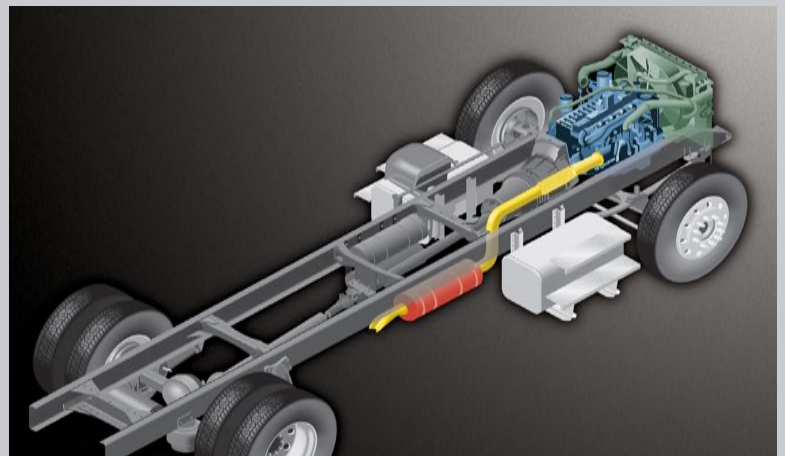
Mercedes-Benz Manual & Automated	6-speed
Eaton Fuller Manual	5-, 6-, 9-, 10-, 11- or 13-speed
Eaton Fuller AutoShift & UltraShift	10-speed
Allison	1000, 2000, 3000 and 4000 series

### AXLES

TYPE	CAPACITY (lbs.)
Steer	6k, 8k, 10k, 12k, 13k, 13.3k, 14k, 14.7k, 16k, 18k, 20k
Drive	10k, 12k, 13k, 15k, 17.5k, 19k, 20k, 21k, 23k, 26k, 30k
Tandem	34k, 40k, 44k, 46k, 52k, 58k

## Many exhaust system configurations possible.

On EPA '07 trucks, the after-treatment device is mounted to the chassis by the manufacturer, and all piping is stainless steel. The distance between the turbocharger and the ATD is important to maintain the exhaust temperatures required for passive regeneration. Four of the most common exhaust configurations are shown here.



Horizontally-mounted ATD with a horizontally-mounted tailpipe.



# Engineered for body builder flexibility.

## Efficient placement of wiring and pneumatic lines.

Electrical, pneumatic and fuel lines have been moved and are neatly organized on top of the left-hand rail for most applications. This relieves congestion at the back of cab, making access easier for body builders and service technicians.

## Wiring connectors eliminate splicing.

To assist body builders, Freightliner has pre-engineered standard interfaces for engine wiring and lighting. Vehicle Interface Wiring Connectors eliminate the need for splicing and provide an easy “plug and play” point for body builders to connect such things as brake lights, turn signals and tail lights. Three Mega® fuses are standard: one for the cab, one for the engine/transmission and one open fuse that allows components to be easily added.

## Adding switches is easy.

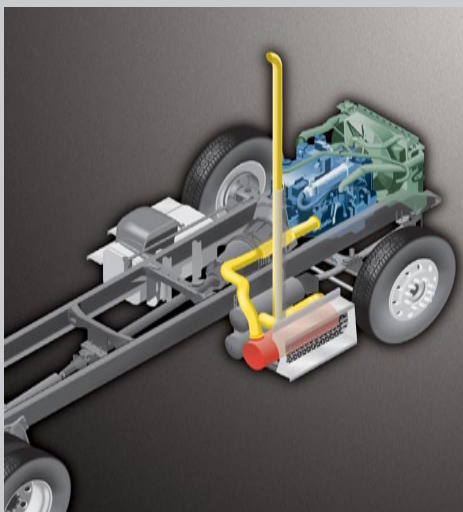
The Smart Switch system enables switches in the cab interior to be easily added or interchanged without removing the dashboard. Programming can be configured for specific vocational trucks, such as utility vehicles, refuse haulers, emergency vehicles and street sweepers.



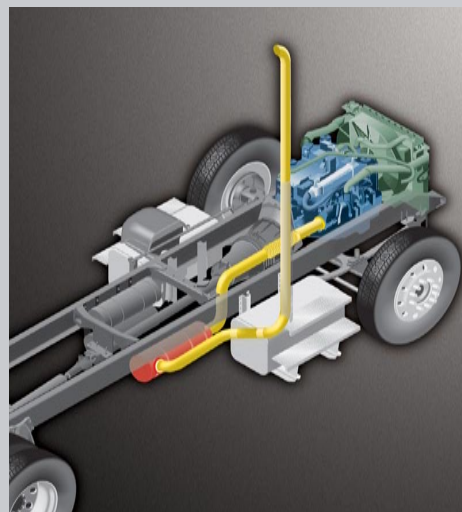
## Order by vocational application.

With the multiplex wiring system, body builders can modify PTO interlocks with software instead of having to design a new harness. And for new truck orders, the M2 Body Builder website contains suggested data codes that allow ordering by vocational application.

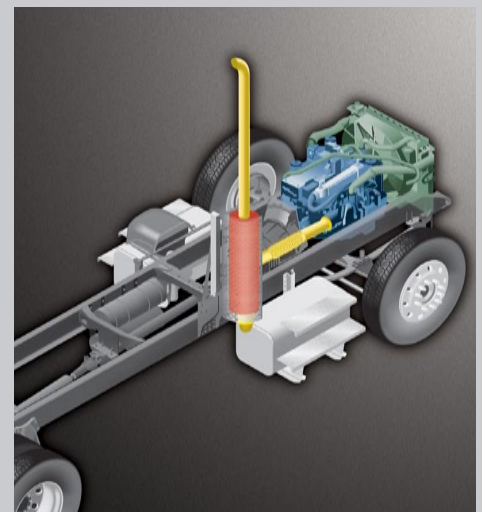
The website for body builders, [www.M2BodyBuilder.com](http://www.M2BodyBuilder.com), can be accessed 24 hours a day without a password. It provides the most current information on the Business Class M2's electrical system, including component information, harness locations and wiring diagrams.



Horizontal under-step-mounted ATD with a B-pillar-mounted vertical tailpipe.



Horizontally-mounted ATD with a vertically-mounted tailpipe.



Vertically-mounted ATD with a vertical top stack.

- Engine
- Exhaust System
- After-Treatment Device
- Cooling System & Radiator

# A cab that works with the driver.

The Business Class M2 has an aerodynamic aluminum cab with a steel reinforced front wall, making it strong, lightweight and rust resistant. Every aspect of the cab was designed to make the driver's job less of a job, leading to increased productivity.

To reduce fatigue for drivers who make frequent stops, the cab features a low step-in height with slip-resistant dual steps, a large door opening

and strategically placed exterior and interior grab handles. For safety, the cab's hood slopes downward for better line-of-sight, and a 2,500 sq. in. windshield provides excellent visibility for spotting potential hazards. Optional down-view mirrors and an optional lower window in the passenger door provide greater visibility in hard-to-see areas.

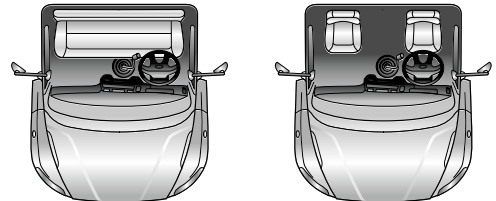
## CAB CONFIGURATIONS / OPTIONS

The Business Class M2 has flexible seating options for any application. Front bench seats are available in day and crew cabs, while a rear bench seat is available in both the extended and the crew cab. Air-suspended and SCBA seats are available with most seating options. A few of the many seating configurations are shown here.



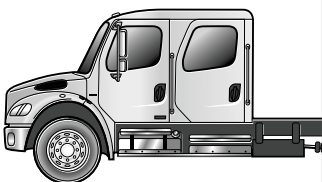
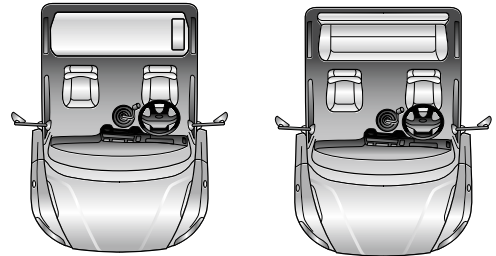
### DAY CAB

- Full width bench seat
- Fixed or air suspension driver and passenger seats
- Passenger seats with SCBA, storage or locking safe provisions



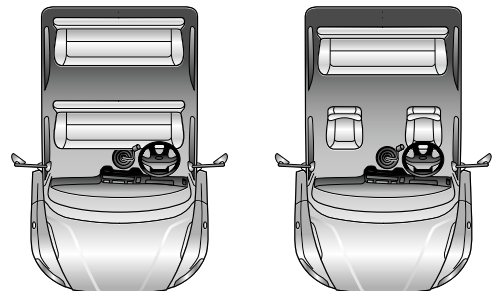
### 26" EXTENDED CAB

- 24" liftable bunk with storage
- Full-width rear bench seat or forward-facing rear jump seats
- Fixed or tip-out tinted side rear windows
- Cab privacy curtain



### 48" CREW CAB

- Rear bench or individual seats including air-suspended and SCBA
- Electric rear door windows



## CAB FEATURES

- Firewall and hood liner insulation
- Single or dual, electric or air horns
- LED marker lights
- Daytime running lights
- Swivel-mounted utility lights
- Mirror-mounted AM/FM/WB/CB antennas
- Aerodynamic airshield roof deflector or roof fairing
- Bonded or roped-in tinted windshield
- Painted or chrome exterior sun visor
- Black or chrome door mounted mirrors with heat or remote control
- Tinted door glass with operating or fixed wing windows
- Door-mounted down-view mirror
- Cab side extenders
- Exterior assist handles
- Fender- or hood-mounted auxiliary convex mirrors
- Heated door-mounted auxiliary convex mirrors
- Black plastic, painted steel or stainless steel quarter fenders
- Fender extensions
- Integral headlight/marker lights mounted in hood
- Painted or chrome front grille
- Painted or chrome three-piece bumpers, flexible plastic ends available
- Clear or amber fog lights, mounted in or under bumper
- Chrome air intake

*Some features may be optional.*

## ALL-WHEEL DRIVE AND DUAL DRIVE OPTIONS

Business Class M2 trucks can be ordered with an all-wheel drive option and several combinations of axles and suspension for optimized performance.

A Sit-Down Dual Drive option, available on the Business Class M2 106 and 106V truck models, is an easy-to-use feature that allows for smooth transitions from left-to-right-hand drive operations. Installed by Fontaine Modification, the right-hand drive option is ideal for use in refuse collection, road striping, street sweeping and other applications

where a right-hand drive option is advantageous.



Interior of the Business Class M2 106 featuring the Sit-Down Dual Drive Option.

The all-wheel drive option optimizes off-road performance.



## A pleasant place to spend the day.

Sure, a truck is a business on wheels, but it's also a driver's home for eight or more hours a day. That's why we've designed the Business Class M2 with the driver in mind.

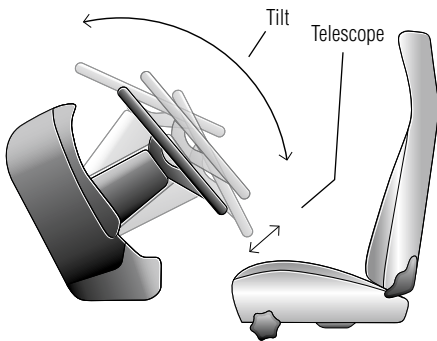
The cab is wide and deep, providing the driver much-appreciated elbow and leg room. The ergonomically designed driver's area features an automotive style dashboard, easy to read LED-backlit gauges and controls that are within easy reach. An advanced heating and air conditioning system provides excellent air flow for uniform temperature

control throughout the cab, and extensive interior insulation reduces noise and provides additional protection against the elements.

And for those who use their truck as an office, the Business Class M2 offers plenty of storage space. Items can be stored in the overhead console that comes standard or in the optional floor-mounted compartment that features a writing surface, printer provision and 12-volt power outlet.

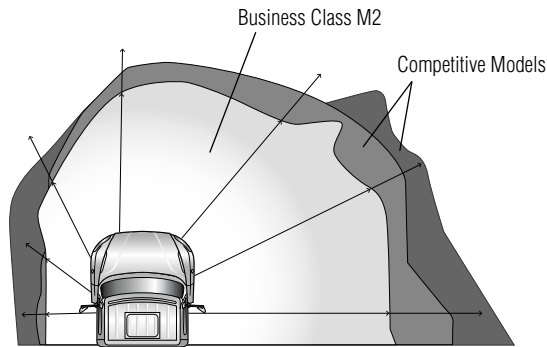


## TILT AND TELESCOPE STEERING



The foot-controlled release on the adjustable steering column lets both hands stay on the wheel while providing an infinite number of adjustments.

## VISIBILITY



The Business Class M2's visibility zone starts closer than that of competitive truck models, to provide better visibility for maneuverability and safety.

## INTERIOR FEATURES

- Door-activated dome lights
  - Overhead console with additional center storage
  - Dual reading lights mounted in overhead console
  - Multiple between-seat storage options including writing surface
  - Electric powered door windows and door locks
  - Door-mounted storage
  - Two cupholders molded into lower dash
  - Complete selection of driver and passenger seats including storage, safe and SCBA options
  - Washer fluid level indicator
  - Trip odometer, tachometer, transmission temperature and air pressure gauges
  - Heater and defroster or heater, defroster and air conditioner
  - AM/FM, Weatherband or Sirius Satellite radios with CD
  - CB mounting provision conveniently located in overhead console
  - Wing dash
- Interior convenience package
- Woodgrain dash
  - Vinyl door trim
  - Extra overhead storage
  - Dual reading lights (day cab)

*Some features may be optional.*



Flat Dash



Wing Dash

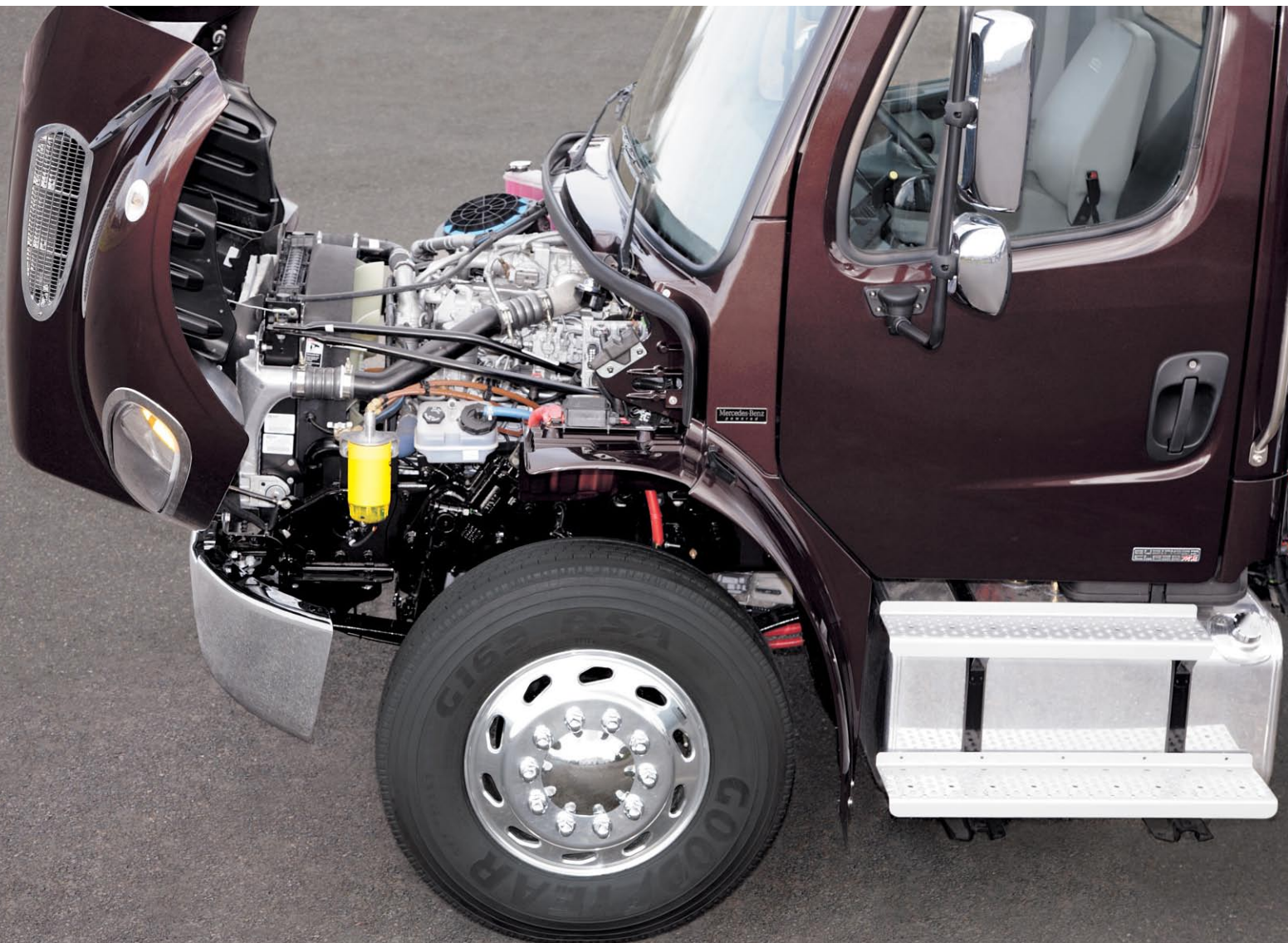
# Maintenance made easy.

We've designed the Business Class M2 to be easy to maintain, with quick access to critical maintenance points. The hood opens easily and features integrated splash shields that lift out of the way for better accessibility. Frequently inspected components are strategically placed, allowing for faster repairs and adjustments. See-through fluid reservoirs reduce the time spent checking fluid levels and a removable floor section allows access to the transmission without removing the floor covering.

The standard proprietary Donaldson PowerCore™ air cleaner is designed to go longer between replacements, yet still traps 99.85 percent of airborne particles before they reach the engine. We've also added a lube-free

steering shaft, a self-adjusting hydraulic clutch and suspensions that require no maintenance or lubrication.

The truck's multiplex electrical system has about half the wires of a traditional electrical system, which reduces possible failure points and allows technicians to more quickly pinpoint electrical problems. Even the three-piece bumper was designed to save repair costs by allowing partial replacement. The result is a vehicle that spends more time on the road.



# Support that delivers peace of mind.

## A simple purchase process that's second to none.

Purchasing a truck is one of the most important decisions a company makes, whether buying one truck or a fleet of hundreds. With this in



mind, Freightliner makes the buying process easy with highly-trained sales consultants and one of the largest dealer networks in the industry



so businesses don't have to look far for their next purchase. Trucking professionals count on Freightliner dealers for reliable product information, truck parts and service and ongoing customer support.

## Financing is easy.

DaimlerChrysler Truck Financial offers a variety of options, including loans and leases tailored to the trucking industry that make financing go smoothly. DCTF has been meeting the financing challenges of customers for nearly 30 years. It has solutions for owner-operators or fleets from ten to 1,000 vehicles and can provide conventional retail financing at attractive and competitive rates. It offers a variety of terms to match cash flow and up to 100-percent financing for qualified customers.

DaimlerChrysler Truck Financial

Financing that works for you.

## Comprehensive warranties for added peace of mind.

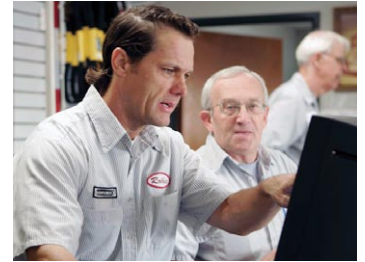
Freightliner stands behind its trucks every step of the way. We offer one of the most comprehensive warranties in the business, as well as a variety of extended warranties.

## Unmatched service and support.

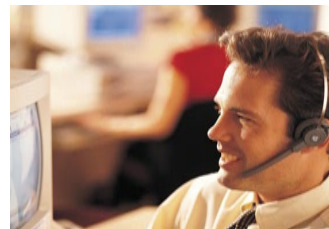
With over 400 Freightliner dealer locations across North America, customers are never far from the convenient service and support they



have come to expect from the industry leader. Additionally, 162 Freightliner ServicePoint facilities, integrated with TravelCenters of America locations across the country, offer certified repair and warranty work. Freightliner also main-



tains eight strategically located parts distribution centers throughout North America, ensuring fast parts delivery to keep customers up and running.



Freightliner's Customer Assistance Center provides customers a hot-line that's available 24 hours a day, seven days a week. Customers may call the toll-free number (1-800-FTL-HELP) for technical support, to arrange roadside assistance or towing services, or to locate the nearest dealer or service center.

## Reliable, affordable parts.

Freightliner's private label products, sold under the Alliance Parts brand, offer quality parts at affordable prices. From starters and batteries to filters and brake drums, Alliance parts, accessories and components fit virtually all types of medium- and heavy-duty trucks. Alliance also offers a full line of remanufactured components such as engines, transmissions, clutches and more. Alliance parts are sold at Freightliner dealers throughout the U.S. and Canada.



## SPECIFICATIONS AND OPTIONS

### ENGINE AND POWERTRAIN ACCESSORIES

- Mercedes-Benz MBE 900 engines
- Mercedes-Benz MBE 4000 engines
- Cummins ISB engines
- Cummins ISC engines
- Caterpillar C13 engines
- Exhaust Gas Recirculator
- Smart Fuel System®
- Electronic engine management system
- Maintenance-free electrostatic breather system
- Dual-stage Turbocharger (MBE 900)
- High-tech Grid Heater (MBE 900)
- Engine brakes
- Multi-functional fuel filter (MBE 900)
- Emergency service application HP ratings available
- 130 amp alternator standard, with other options available
- Several clutch options from Eaton Fuller and Sachs
- Hydraulic and mechanical clutch control options
- Engine shut-down protection system
- Exhaust and compression brakes
- Electric engine coolant preheater
- Electric oil pan heater
- Mercedes MBT 6-speed synchronized transmission
- Mercedes AGS (Automated Gear Shift) transmission
- Eaton Fuller 5-, 6-, 9-, 10-, 11- or 13-speed manual transmissions
- Eaton Fuller 10-speed AutoShift & UltraShift transmissions
- Allison automatic transmissions
- Factory PTO provisions
- FEPTO & REPTO acceptability

### CHASSIS

- Clear frame rail back of cab
- Towing provision at end of frame
- Battery shut-off switch
- Left-hand and right-hand exhaust (horizontal or vertical)
- Taper-leaf and flat-leaf front suspension capacity from 6,000 lbs. to 20,000 lbs.
- Front shock absorbers included with taper-leaf and available for flat-leaf suspensions
- Meritor rear axles, capacity from 10,000 lbs. to 46,000 lbs.
- Freightliner AirLiner, TuffTrac, multi-leaf, taper-leaf and flat-leaf suspensions to 52,000 lbs.
- Hendrickson HN/RT/RTE suspensions

- Wide family of frame rails available up to 7/16" x 11-1/8" with 1/4" c-channel inner reinforcement
- Integral or bolt-on front frame extensions
- Driver-controlled differential lock for traction control
- Painted or chrome three-piece bumpers with flexible plastic ends available
- Optional one-piece 1/4" rigid bumper
- Clear or amber fog lights, mounted in or under bumper
- InstaHeat fuel heaters
- Black plastic, painted steel or stainless steel quarter fenders
- Alliance or Davco fuel/water separators
- Back-up alarm
- Tire sizes up to 445/65 R22.5
- Left, right or dual 30- to 120-gallon aluminum fuel tanks (cylindrical on Business Class M2 112)

### CAB

- 106" or 112" BBC aluminum cab
- 2-door, stand-up, right-hand drive available
- Sit-down, dual drive available
- Metal door kick plates
- Available wing dash
- Aerodynamic airshield roof deflector or roof fairing
- Cab side extenders
- Fender extensions
- Painted or chrome front grille
- Firewall and hood liner insulation
- Single or dual, electric or air horns
- Integral headlight/marker lights mounted in hood
- LED marker lights
- Daytime running lights
- Swivel-mounted utility lights
- Black or chrome door-mounted mirrors with heat or remote control
- Door-mounted down-view mirror
- Heated door-mounted auxiliary convex mirrors
- Fender- or hood-mounted auxiliary convex mirrors
- Painted or chrome exterior sun visor
- Tinted door glass with operating or fixed wing windows
- Bonded or roped-in tinted windshield
- Mirror-mounted AM/FM/WB/CB antennas
- Windshield wiper motor with delay
- Hood access hatches on 106V and 112V

### DRIVER SAFETY AND COMFORT

- Driver convenience package
- Rubber, leaf spring or air cab mounts
- Exterior assist handles
- Electric powered door windows and electric door locks
- Washer fluid level indicator
- Lower right-hand door window
- Door-mounted storage
- Overhead console with additional center storage
- Heater and defroster, or heater, defroster and air conditioner
- Two cupholders molded into lower dash
- Multiple between-seat storage options including writing surface and 12-volt power supply
- Complete selection of driver and passenger seats including storage, safe and SCBA options
- Silencer package or extreme climate thermal insulation
- Door-activated dome lights
- Optional step lighting package
- Dual reading lights mounted in overhead console
- Adjustable tilt and telescoping steering column
- Trip odometer, tachometer, transmission temperature and air pressure gauges
- AM/FM, Weatherband or Sirius Satellite radios with CD
- CB mounting provision conveniently located in overhead console
- Cordura seat covers

*Some options not available on all models.*

Visit your local Freightliner dealer for complete specifications and options.



For the Freightliner Trucks Dealer nearest you, call 1-800-FTL-HELP. [www.freightlinertrucks.com](http://www.freightlinertrucks.com) 30M 3/07  
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