



  
**MERCEDES-BENZ**  
**TRUCKS**

# LP 1419

CAB OVER ENGINE TRUCK

## GENERAL SPECIFICATIONS

Effective June 26, 1989

Weight Ratings	
Front GAWR	11,700 lbs.
Rear GAWR	21,200 lbs.
Total GVWR	32,900 lbs.

### Engine

Model	Mercedes-Benz OM 368LAA Turbocharged and Intercooled
Displacement	364 cu. in.
Configuration	6 cylinder in-line
Maximum Output	130 GR BHP @ 2000 rpm
Maximum Torque	450 GR lb-ft @ 1400 rpm

### Engine Cooling

Radiator	708 sq. in. frontal area
Fan	6 blade viscous 22.4 in. dia.
Cooling System Capacity	26.4 gals.

### Clutch

Diameter	13.8 in.
Type	Single plate, dry hydraulically actuated

### Transmission

Model	Mercedes-Benz G3-60-5/7.5
Speeds	5 forward speeds fully synchronized
Gear Ratios	1 7.508:1 2 3.986:1 3 2.302:1 4 1.387:1 5 1.000:1 R 6.932:1
Maximum Governed Speed	64 mph @ 2600 rpm

### Front Axle

Manufacturer	Mercedes-Benz
Type	Drop forged I beam
Rating (GAWR)	11,700 lbs.

### Front Suspension

Type	Semi-elliptical leaf springs with shock absorbers and stabilizer bar
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### Rear Axle

Manufacturer	Mercedes-Benz
Type	Hypoid gear
Ratio	4.875:1
Rating (GAWR)	21,200 lbs.
Ground Clearance	11.1 in.

### Rear Suspension

Type	Semi-elliptical leaf springs with progressively acting auxiliary springs and shock absorbers
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### Service Brakes

Type	Cam type full air system w/auto slack adjusters at all wheels
Drum Diameter	16.14 in.
Lining Width	Front 5.51 in. Rear 6.20 in.
Lining Thickness	.71 in.
Lining Area	Front 282 sq. in. Rear 326 sq. in. Total 608 sq. in.

### Parking Brake

Type	Pneumatically controlled spring chambers acting on both rear wheels; spring chamber actuated with air release
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### Steering

Type	Mercedes-Benz integral variable assist hydraulic recirculating ball
Ratio	19.3:1 4.5 turns lock to lock
Steering Wheel	22 in. diameter
Steering Angle	48° inside wheel cut
Turning Radius	23.3 ft. - 31.1 ft. depending on wheelbase

### Air Cleaner

Type	Dry Donaldson-type stage
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### Fuel System

Fuel Tank	60 gallon, rectangular steel
Filters	Fuel/water separator w/heater and primary and secondary filters

### Air System

Air Compressor	5 CFM* capacity, cam driven
Air Dryer	Wabco, heated
Total Air Reservoir Volume	3661 cu. in.

### Electrical

System	12 volt negative ground
Batteries	(2) 825 DCA BCI Group 31 maintenance free
Starter	12 volt/4 hp Bosch
Alternator	12 volt/60 amp Bosch

### Wheels

Type	10 hole (150) steel disc, pilot mounted
Size	22.5 in. x 7.5 in.

### Tires

Type	Tubeless radial ply
Size	11R22.5 14 ply rating

\* at sea level

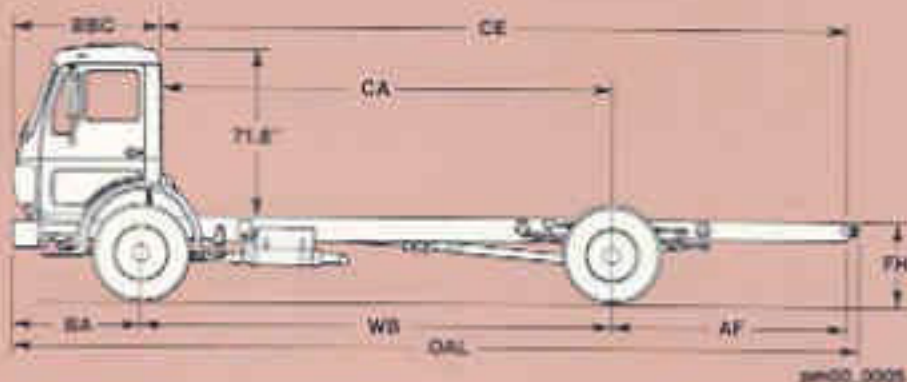
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## CHASSIS DIMENSIONS: LP 1419



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MODEL/WB	BBC	BA	CA†	CE	AF	OAL	FH		CHASSIS WEIGHTS (lbs.)*		
							Unloaded	Loaded	Front	Rear	Total
LP 141900 (141.7")	61.8"	53.5"	133.4"	162.5"	39.1"	355.2"	44.3"	36.7"	7,221	3,038	10,859
LP 141940 (146.4")	61.8"	53.5"	157.3"	243.7"	66.8"	309.5"	44.3"	36.8"	7,244	3,662	10,906
LP 141948 (150.2")	61.8"	53.5"	181.9"	276.1"	96.2"	343.7"	44.3"	36.3"	7,275	3,751	11,026
LP 141951 (203.5")	61.8"	53.5"	195.2"	302.1"	106.9"	367.7"	44.4"	36.8"	7,340	3,885	11,205

\* Manufacturer's estimated weight of the vehicle (cab and chassis) in driver-seat condition, with all standard equipment, filled with lubricants, coolant and fuel, but without body, payload, driver and passengers.

† Body mounting CA is 14 inches less than listed CA to allow for cab-to-body clearance.

BBC - Bumper to back of cab

BA - Bumper to centerline of front axle

WB - Wheelbase—distance between centerlines of front and rear axle

CA - Back of cab to centerline of rear axle

CE - Back of cab to end of frame

AF - Centerline of rear axle to end of frame

FH - Frame height

OAL - Overall length including tailight measurement

### Important

All dimensions given in inches unless otherwise noted. Dimensions given are based on design drawings. Production deviations may cause these dimensions to vary. Therefore, it is recommended that the particular model and wheelbase be measured to confirm dimension data. Vehicle frame height (FH) dimensions, in particular, may deviate ± 1 in.

### Cab Features

- 61.8 in. BBC all steel construction
- 280° of all around visibility due to large cab windows
- Four part cab suspension reduces vibration
- Eight-way adjustable driver seat
- Large two person passenger seat
- Large full width storage tray behind seat
- Large 2261 in.<sup>2</sup> one piece windshield
- Windshield wipers cover over 70% of windshield
- Two speed plus intermittent wiper control
- Two overhead console storage compartments
- Radio installation provision in overhead console
- Efficient heating/defrost system with variable speed blower motor
- Center mounted dome light
- Full complement of dash gauges and controls which include: speedometer, tachometer, coolant temperature gauge, engine oil pressure gauge, fuel gauge, primary and secondary air reservoir pressure gauge, audible Hi temperature/LD oil pressure buzzer.
- Hydraulic cab tilt

### Frame Specifications\*

Wheelbase Designation	.036, .042, .048, .051
Frame Rail Material	Steel
Minimum Yield Strength	40,600 psi
Section Modulus (cu. in. per rail)	11.20
Resisting Bending Moment (RBM, lb-in. per rail)	454,720
Width of Frame Assembly	35.6"
Rating	Frame limited to 32,900 lbs. GVWR

\* For additional technical information and drawings see the Mercedes-Benz Diesel Truck Data Book.

‡ Corresponds to ASTM A36 structural steel.

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### Options

Allison MT 643 automatic transmission, air conditioning, short rear springs, spare wheel, block heater, horizontal muffler/vertical exhaust, power take-off, and more. See your Mercedes-Benz truck dealer for details.

### Warranty

36 months/100,000 miles on the engine and powertrain; 18 months/unlimited mileage on the basic vehicle; 24 months/100,000 miles on cab structure and sheet metal; 100% parts and labor. See your dealer for details.

### Parts Support

Includes five regionally located Parts Distribution Centers, a state-of-the-art parts inventory system, and this guarantee: The part you need will be delivered in 48 hours or it's free.\*\*

\*\* Certain limitations apply. See your delivering Mercedes-Benz truck dealer for details.

Authorized Dealer



MERCEDES-BENZ  
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Class and equipment listed on the specification sheet is based upon the latest available information at the time of preparation. Mercedes-Benz Truck Co., Inc. reserves the right to change specifications or design at any time without notice and without obligation to provide notice.

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