L-LS 911 B

Mercedes-Benz

9.3 tons permissible gross vehicle weight
18.3 tons permissible gross combination weight
120 gr. HP/SAE (110 net b.h.p./DIN)
Mercedes-Benz direct injection system

A Mercedes-Benz truck undergoes the most severe testing before it is sold.

that means:
mature, sturdy vehicles with powerful, robust engines.
Mercedes-Benz spends a great deal of time, money and thought on development and testing.

A truck which pleases its driver is the best truck you can buy.
And a Mercedes-Benz truck will give your driver a great deal of pleasure because it offers the optimum in comfort and safety.

that means:
the driver does not become fatigued.
He drives better and the goods are transported with care.

Service we regard as the essential precondition for sales.
This is proved by the more than 3.000 Service-Stations all over the world.

that means:
Mercedes-Benz Service is ready to assist you with trained and expert staff as well as with spare parts.

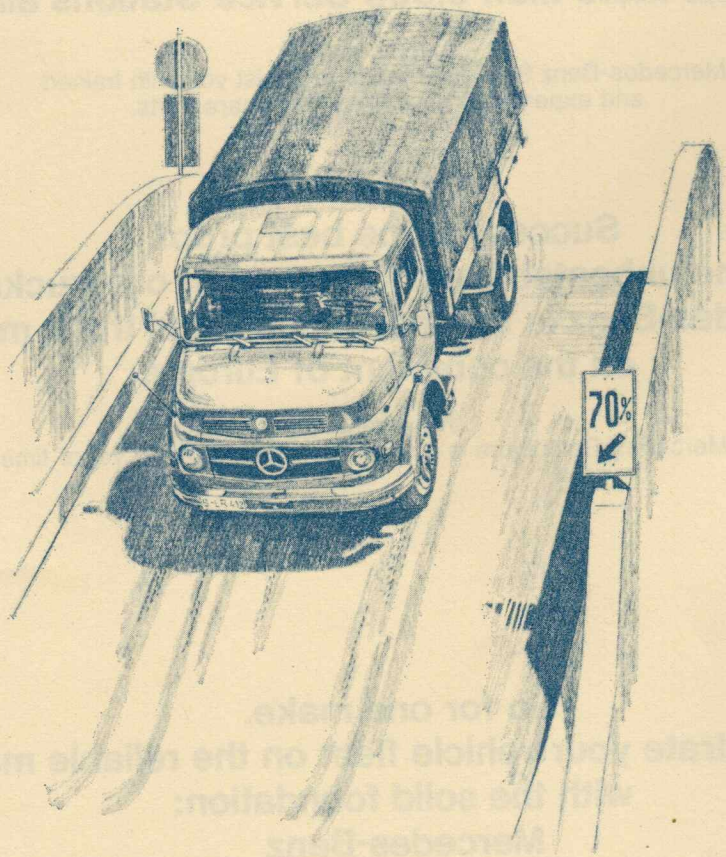
Success is the best proof of the unbeatable performance of our trucks.
Mercedes-Benz is the most successful truck make on the continent of Europe.

that means:
with Mercedes-Benz there is no risk, not today nor in 10 years' time.

Go for one make.
Concentrate your vehicle fleet on the reliable make with the solid foundation:
Mercedes-Benz

We leave nothing to chance.

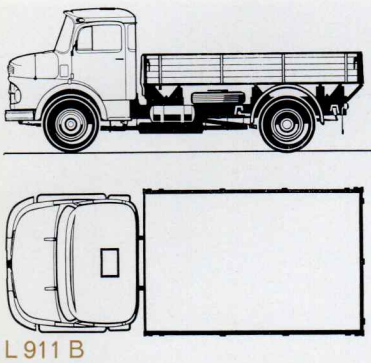
Everything is thoroughly planned, considered, tried and tested;
on simulators, in cold chambers, on vibrators and,
finally, on the road:
day by day, month after month the vehicles move in open country,
run along highways and climb steep gradients.
In addition, all our trucks are subjected
to rigorous continuous testing on the factory-owned proving ground,
with water passages, marshy stretches,
paving so rough it would hardly be found anywhere else, 60% gradients and deep ruts.
Even then we are not satisfied.
We take the test vehicles to pieces down to the smallest screw,
check every part and start all over again.
If the truck can be said to have held its own, it goes into series production.
Only then we can be quite sure
it has deserved the star.



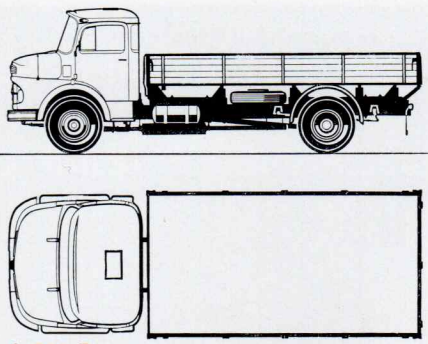
L/LS 911 B

Vehicle development at Mercedes-Benz never stops. The L 911 B series has also been improved.
The new L 911 B has a standard perm. gross vehicle weight of 20,500 lbs. (9.3 tons).

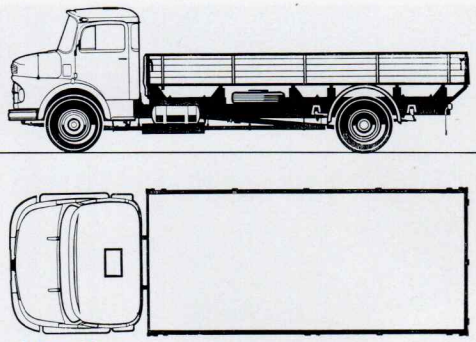
On request all variations can be supplied with perm. gross vehicle weights of either 19,800 lbs. (8.99 tons) or 20,950 lbs. (9.5 tons).
The wide range of versions and wheelbases offers a suitable type for all transport tasks.
A special prospectus gives information on tippers and all-wheel drive tippers.



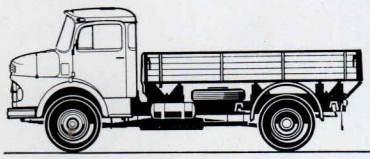
L 911 B
Wheelbase 141.7 in. (3,600 mm)
Payload and body allowance
13,085 lbs. (5,935 kg)
Recommended body size
141.7 x 92.5 x 19.7 in.
(3,600 x 2,350 x 500 mm)



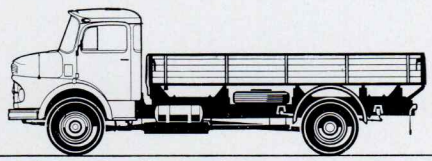
L 911 B
Wheelbase 165.3 in. (4,200 mm)
Payload and body allowance
12,985 lbs. (5,895 kg)
Recommended body size
177.2 x 92.5 x 19.7 in.
(4,500 x 2,350 x 500 mm)



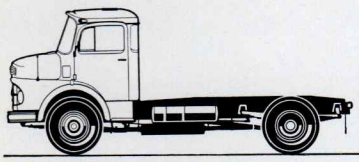
L 911 B
Wheelbase 190.2 in. (4,830 mm)
Payload and body allowance
12,885 lbs. (5,845 kg)
Recommended body size
208.7 x 92.5 x 19.2 in.
(5,300 x 2,350 x 500 mm)



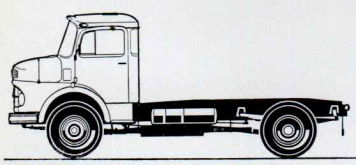
LA 911 B, all-wheel drive dropsider
Wheelbase 141.7 in. (3,600 mm)
Payload and body allowance
12,350 lbs. (5,600 kg)
Recommended body size
141.7 x 92.5 x 19.7 in. (3,600 x 2,350 x 500 mm)



LA 911 B, all-wheel drive dropsider
Wheelbase 165.3 in. (4,200 mm)
Payload and body allowance
12,250 lbs. (5,550 kg)
Recommended body size
177.2 x 92.5 x 19.7 in. (4,500 x 2,350 x 500 mm)



LS 911 B, tractive unit
Wheelbase 141.7 in. (3,600 mm)
Fifth wheel load 12,950 lbs. (5,875 kg)
Perm. gross combination weight
40,300 lbs. (18,300 kg)



LAS 911 B, all-wheel drive
tractive unit
Wheelbase 141.7 in. (3,600 mm)
Fifth wheel load 12,250 lbs. (5,560 kg)
Perm. gross combination weight
40,300 lbs. (18,300 kg)

Dropsiders and Tractive Units

Economical operation, long life and sturdiness are some of the demands made by the operator on his vehicles. Comfort, easy maintenance, a spacious cab and a pleasant interior are the most important points for the driver.

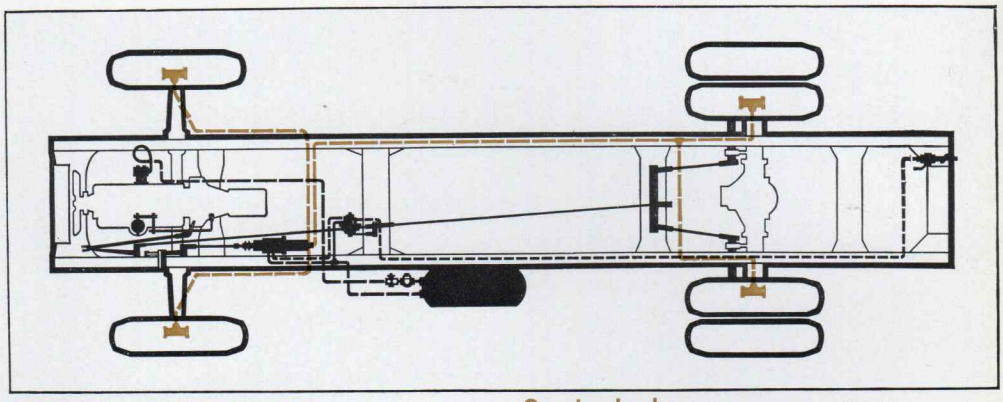
Mercedes-Benz trucks, which have proved successful for many years, are designed to meet the demands of both operators and drivers.


911
S-V 8775

Sturdy Chassis Assembly

The sturdy frame assembly is a vital factor in the reliability and long service life of our vehicles.
Strong channel-section side members with riveted cross members ensure high torsional rigidity.
Front cross member with towing jaw.
Rear cross member especially strong to take the trailer coupling.
Engine-gearbox-unit mounted on vibration-damping rubber pads.

Tractive unit with reinforced double frame
L-shaped side members reinforce the frame over the full length.
This greatly increases the resistance to bending and eliminates the need for mounting an auxiliary frame.



Reliable braking systems

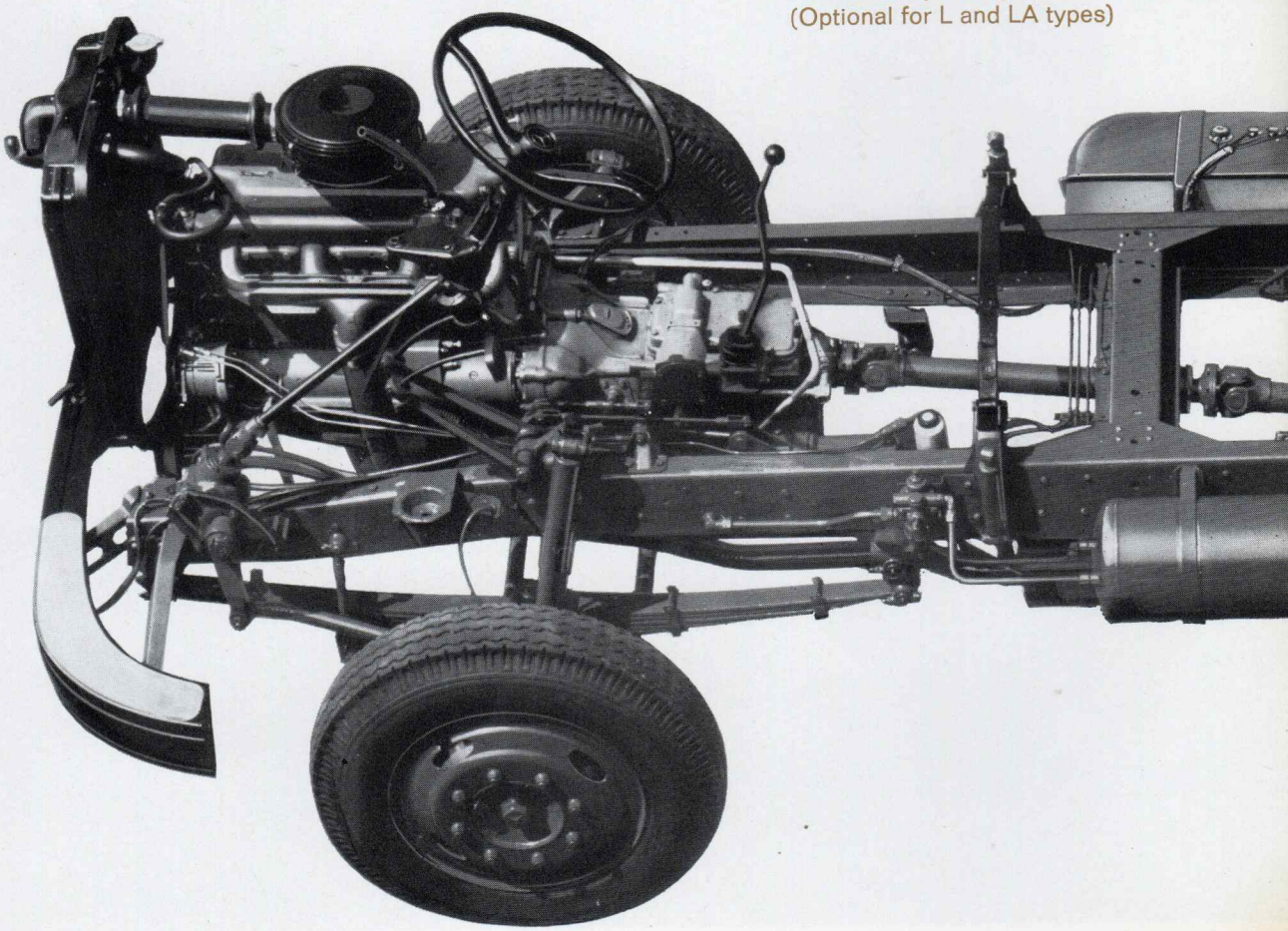
Three separate braking systems (LS 911 B) provide maximum safety – for the driver, for the vehicle and for the load.
The vehicle can be controlled safely under all circumstances.

Service brake

Hydraulic brake with compressed-air boost. One-line trailer brake connection for L-types optional.
LS: load-sensitive brake acting on rear wheels.

Parking brake
Lever-type handbrake acting on rear wheels.

Exhaust brake
Mechanically acting. Actuated by foot.
(Optional for L and LA types)



New standards in driving comfort and safety

The suspension elements of the chassis are carefully tuned and balanced – which is by no means usual in commercial vehicle construction. Mercedes-Benz trucks are outstanding for driving comfort, driving properties and general safety characteristics. Numerous features show the care with which Daimler-Benz designers have developed new vehicles incorporating increased safety, easier maintenance and long service life. One example of this is the spring suspension.

Front and rear axle

Front axle: forged knuckle-yoke axle, I-beam
Rear axle: Generously dimensioned Mercedes-Benz rear axle with box-section casing.

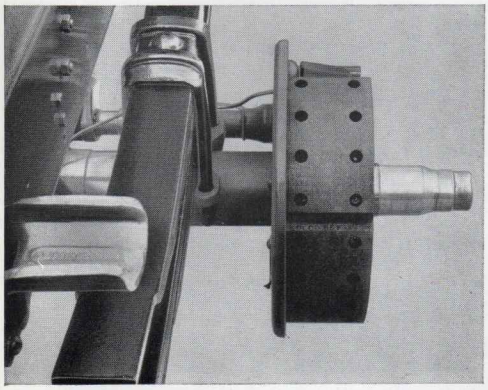
Steering

Mercedes-Benz recirculating ball steering with automatic readjustment, ensuring light and positive steering at all times.
Optional:
Mercedes-Benz LS 5 power steering.

Turning circle diameter

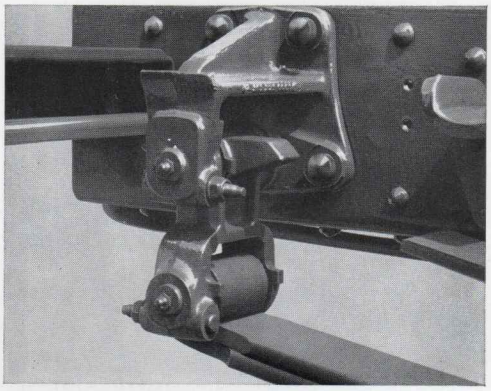
L, LS wheelbase ins./mm	141.7/3,600	165.3/4,200	190.2/4,830
ft./m	43.5/13.2	49.2/15.0	55.5/16.9

LA, LAS wheelbase ins./mm	141.7/3,600	165.3/4,200
ft./m	51.5/15.7	61.0/18.6



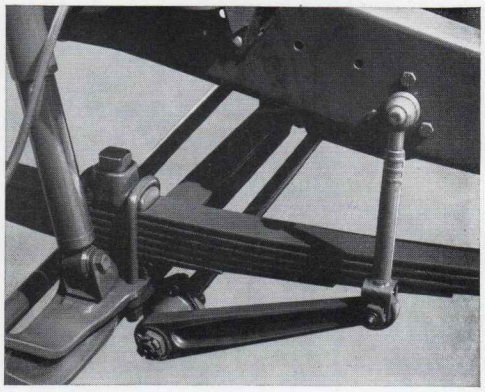
Large braking area

The total effective braking area of the 911 B is 469.0 sq. in. (3,204 cm^2). Thickness of linings 0.6 in. (15 mm). The generous braking area provides maximum safety under all circumstances.



New spring suspension

Particularly strong spring suspension
Wear-resistant spring bolts
Exchangeable shims
Lip sealing rings prevent dust penetration
Guide lugs prevent lateral displacement of springs on rear axle.
Additional safety through two rolled-up spring leaf ends and spring shackles with stop lugs.

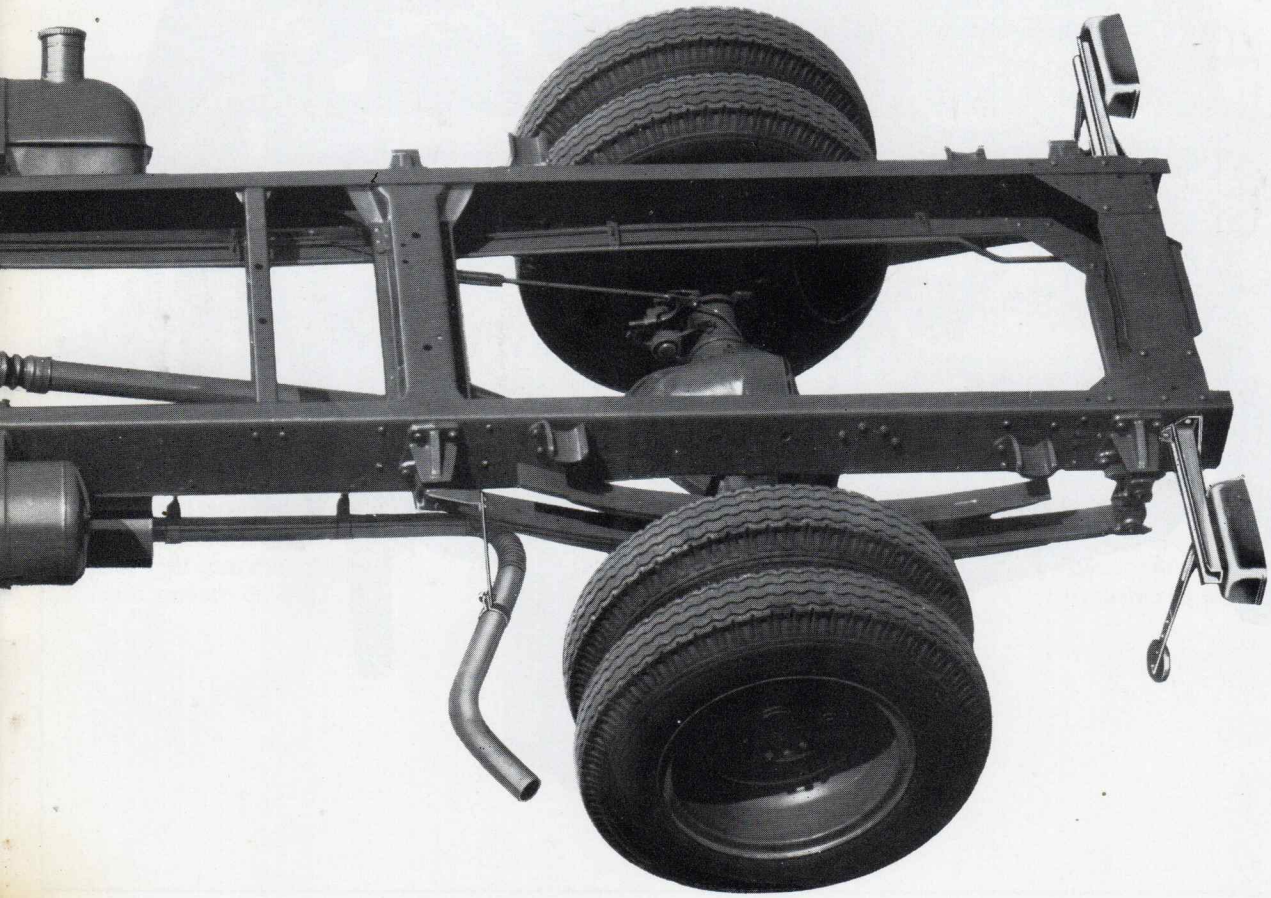


Front axle

Long leaf springs
Telescopic shock absorbers, outrigged for maximum effect.
Stabilizer with maintenance-free linkages.

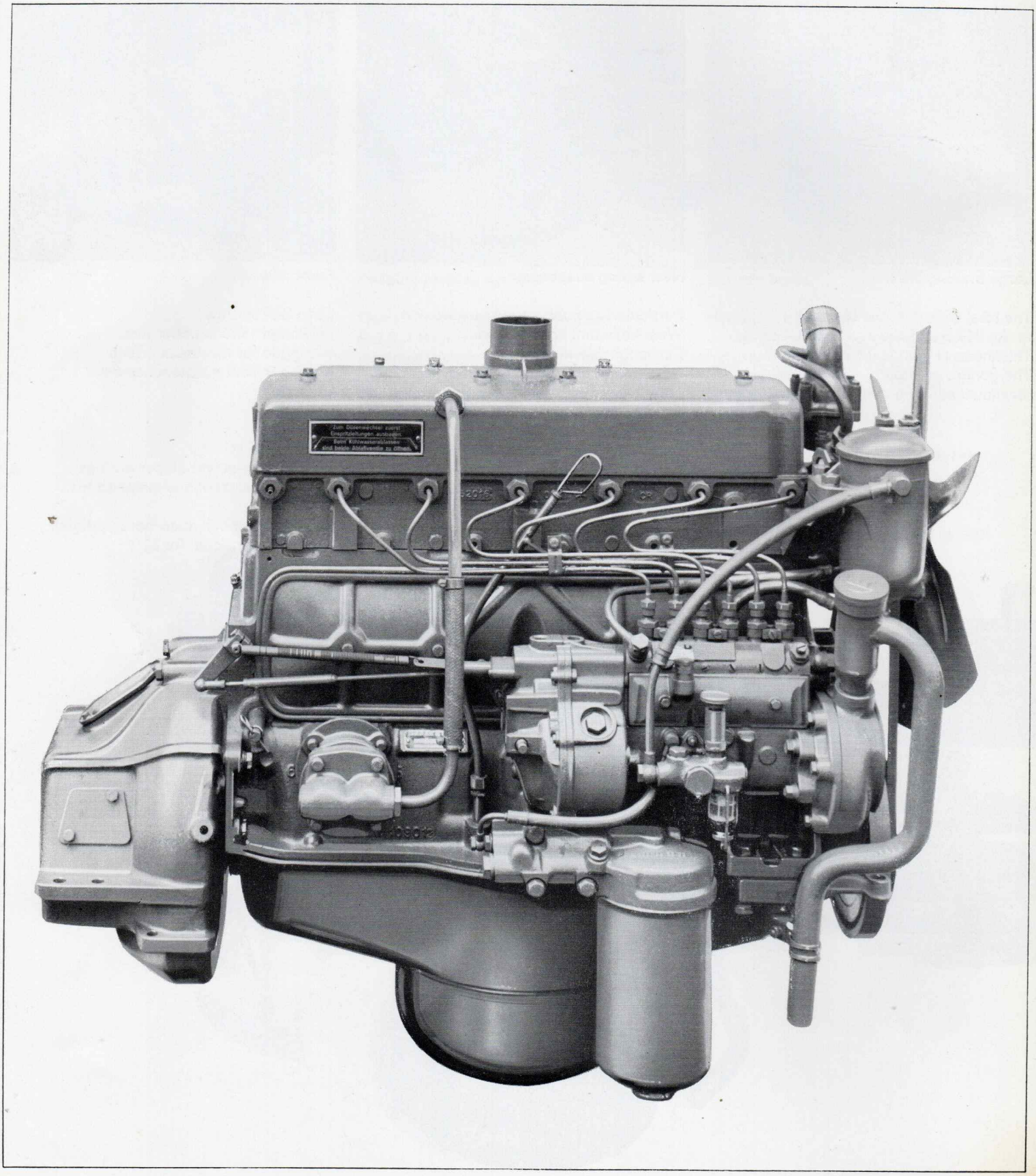
Rear axle

Strong leaf springs
Progressive-action helper springs
Spring characteristics matched for all loads.
Telescopic shock absorbers optional.
Stabilizer (optional for L)



Mercedes-Benz Direct Injection Engine

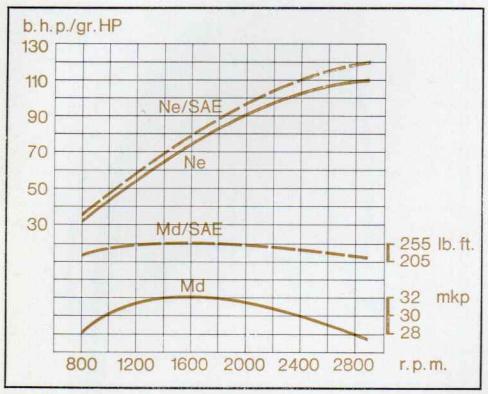
The 6-cylinder diesel engine works according to the Mercedes-Benz direct injection system, which results in low fuel consumption – an important factor for overall economic operation.
Other advantages of the Mercedes-Benz direct injection system:
Optimum fuel utilization
Good starting characteristics
Constant operational readiness
Maximum thermal efficiency
Long service life.



Outstanding design features

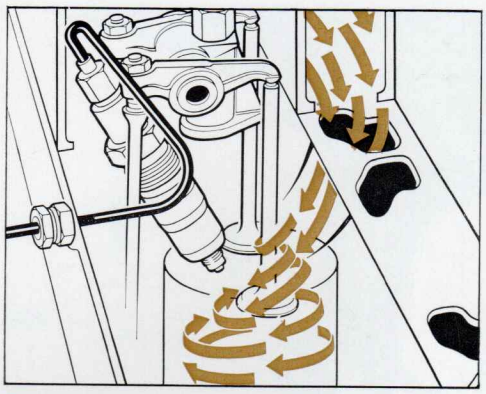
Hardened seats and valve seat inserts on inlet and exhaust valves
Thermostat for accurate control of cooling water temperature
Oil water heat exchanger
Large full-flow oil filter
By-pass microfilter
Oil changes only every 6,200 miles (10,000 km)

Seven-bearing crankshaft
Steel-backed multi-layer main and big-end bearings
Crankshaft vibration damper
Maintenance-free injection pump lubricated by main engine oil circuit.



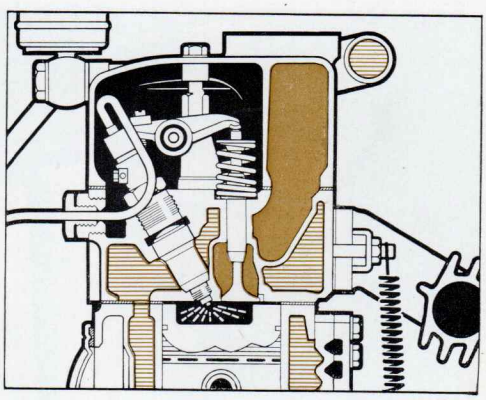
High torque, low fuel consumption

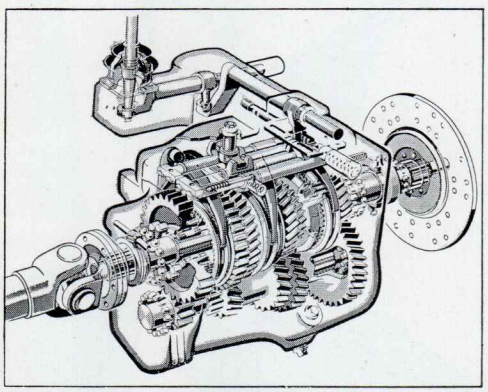
Advantageous torque characteristics
35 mkp maximum torque at 1,600 r.p.m. acc. to SAE
Ne = effective output in b.h.p. acc. to DIN 70020
Md = torque in mkp



Economical Mercedes-Benz direct injection system

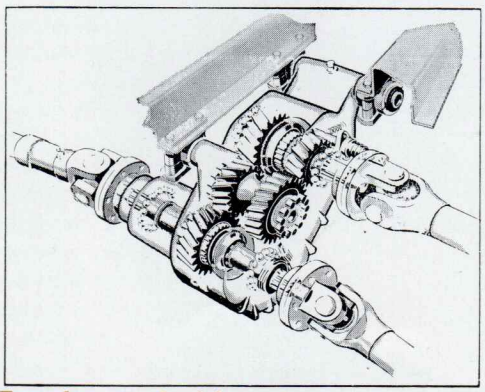
On the suction stroke of the piston the inducted air is given a strong rotary movement as a result of the specially shaped inlet port. On the compression stroke the air is forced into the piston cavity, further increasing the swirl effect. The fuel is injected into this turbulent air, thereby ensuring thorough mixing of fuel and air, and therefore uniform combustion.





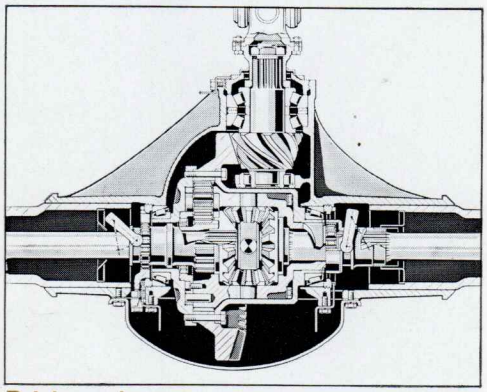
5-speed synchromesh gearbox

Well matched to engine speed and performance.
Positive, light gearchanging to ensure smooth driving.



Transfer case for LA versions

With the front axle drive engaged an additional reduction becomes effective, therefore increased traction.



Driving axles

Mercedes-Benz axles with bevel-gear drive.
Two different reductions are available as standard.

Wider vision
More room
Greater comfort
Increased safety

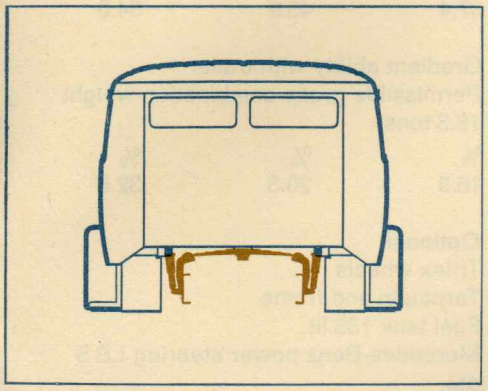
Truck driving involves responsibility. With this fact in mind, our engineers continually work out new improvements to driving comfort and safety as well as new ways to meet individual requirements.

At present, we offer high driver's cabs for all Mercedes-Benz semi-forward control types.
This means more space, more light, more air in the driver's cab.
It means also improved all-round vision, upwards to the traffic lights or straight ahead covering the road and the traffic.

The driver's cab for all Mercedes-Benz semi-forward control vehicles

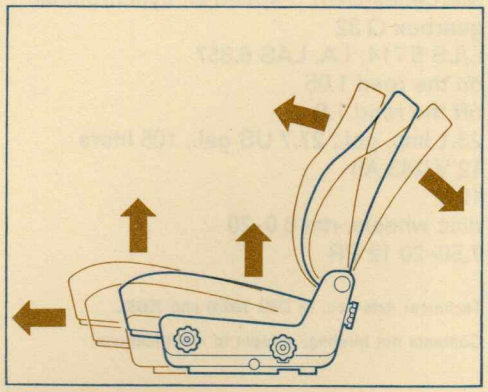
Windscreen washer
Three-blade 2-speed wipers clean 73 % of the windscreen
Vibration-free outside mirror with new mounting
Second sun visor
Forked striker plate locks preventing unintentional opening of doors during driving
Interior door handles flush-fitted

Adjustable roof flap for draught-free ventilation
Button control for ventilation flaps
All electric wires assembled in a new kind of harness
Combined fuses, easily accessible from driver's seat
Interior panelling washable, easy to clean



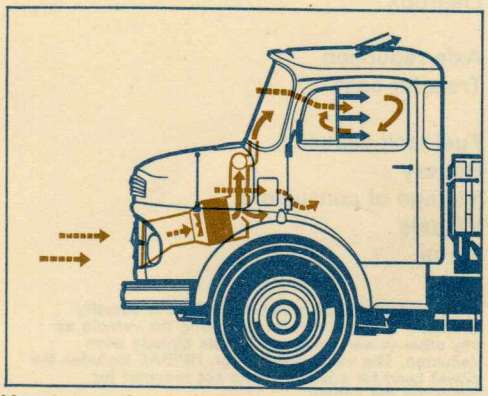
Cab suspension

Large rubber mounts at the front
Long leaf springs with two shock absorbers at the rear



New driver's seat

Can be precisely adjusted fore-and-aft as well as for height and backrest angle, even when occupied during driving. Seat and backrest anatomically contoured.



Heating and ventilation

Infinitely variable distribution of warm and fresh air between windscreen and floor.
Blower for air circulation when driving slowly or at a standstill.
Wind-down windows and opening quarter lights.
Ventilation flaps at floor level.
Adjustable roof flap.

Appointment

Comfortable, generous appointment
Easy entry, ample space
Gearchange lever and handbrake within easy reach of the driver
Low-effort clutch and brake pedals
Offset steering column, therefore the driver can leave through either door
Spacious glove compartment
Two ashtrays, two coat hooks
Good all-round vision, upwards and downwards
Large, vibrations-free outside mirrors
Padded sun visors.

Mercedes-Benz diesel engine

Type	Mercedes-Benz OM 352
Method of operation	Mercedes-Benz direct injection system
Number of cylinders	6
Bore/Stroke	3.81 in./97 mm 5.04 in./128 mm
Cubic capacity	346 cu.in./5,675 cc
Engine output SAE	120 gr. HP at 2,900 r.p.m.
Engine output DIN[1]	110 net b.h.p. at 2,900 r.p.m.
Max. torque SAE	255 ft.-lb./35.0 mkp at 1,600 r.p.m.
Max. torque DIN[1]	232 ft.-lb./32.0 mkp at 1,600 r.p.m.
Starter motor	4 HP/12 V
Generator, three-phase	400 W/12 V

Chassis

Clutch	single plate dry clutch
Gearbox	Mercedes-Benz 5-speed all-synchromesh gearbox G 32
Axle reduction	L/LS 5.714; LA, LAS 6.857
Transfer case	on the road 1.05 off the road 1.6
Fuel tank capacity	23.1 Imp. gal., 27.7 US gal., 105 liters
Battery	12 V/143 Ah
Voltage of consumers	12 V
Wheels	disc wheels, rim 6.0–20
Tyres	7.50–20 12 PR

[1] The output stated in net b.h.p./DIN is actually available at the clutch for operating the vehicle as any other power consumption has already been deducted. The value given in gr. HP/SAE includes the power used for auxiliary units not required for operating the engine.

Technical data acc. to DIN 70020 and 70030.

Contents not binding; subject to modifications.

Max. speed
at rated engine speed

	on the road mph / km/h	off the road mph / km/h
L, LS	53 / 85.5	
LA, LAS	42 / 68.1	28 / 44.5

Max. gradient ability
at altitudes up to 3,280 ft./1,000 m above sea level, in 1st gear, at max. torque and with a permissible gross vehicle weight of 9.3 tons

L, LS	LA, LAS	
on the road	on the road	off the road
%	%	%
37,4	45.9	84.0

Gradient ability with trailer
Permissible gross combination weight 18.3 tons

%	%	%
16.9	20.3	32.6

Optional
Trilex wheels
Tarpaulin and frame
Fuel tank 135 lit.
Mercedes-Benz power steering LS 5
pto.

Weights in lbs./kg L	Wheelbase 141.7 in./3,600 mm	Wheelbase 165.3 in./4,200 mm	Wheelbase 190.2 in./4,830 mm
Chassis with driver's cab, tools and spare wheel	7,250/ 3,290	6,350/ 3,330	6,450/ 3,380
Payload and body allowance	13,085/ 5,935	12,985/ 5,895	12,885/ 5,845
Perm. front axle load	7,300/ 3,300	7,300/ 3,300	7,300/ 3,300
Perm. rear axle load	13,450/ 6,100	13,450/ 6,100	13,450/ 6,100
Perm. gross vehicle weight	20,500/ 9,300	20,500/ 9,300	20,500/ 9,300
Perm. gross combination weight	40,300/18,300	40,300/18,300	40,300/18,300

LA	Wheelbase 141.7 in./3,600 mm	Wheelbase 165.3 in./4,200 mm
Chassis with driver's cab, tools and spare wheel	7,990/ 3,625	8,100/ 3,675
Payload and body allowance	12,350/ 5,600	12,240/ 5,550
Perm. front axle load	7,300/ 3,300	7,300/ 3,300
Perm. rear axle load	13,450/ 6,100	13,450/ 6,100
Perm. gross vehicle weight	20,500/ 9,300	20,500/ 9,300
Perm. gross combination weight	40,300/18,300	40,300/18,300

LS	Wheelbase 141.7 in./3,600 mm
Chassis with driver's cab, tools, without spare wheel	7,380/ 3,350
Perm. fifth wheel load incl. anchorage and spare wheel	12,950/ 5,875
Perm. front axle load	7,300/ 3,300
Perm. rear axle load	13,450/ 6,100
Perm. gross vehicle weight	20,500/ 9,300
Perm. gross combination weight	40,300/18,300

LAS	Wheelbase 141.7 in./3,600 mm
Chassis with driver's cab, tools, without spare wheel	8,080/ 3,665
Perm. fifth wheel load incl. anchorage and spare wheel	12,250/ 5,560
Perm. front axle load	7,300/ 3,300
Perm. rear axle load	13,450/ 6,100
Perm. gross vehicle weight	20,500/ 9,300
Perm. gross combination weight	40,300/18,300

Successful under the same trade mark:

**Diesel engines (output 9 - 910 b.h.p./DIN)
for installation in industry,
for pumps and power plants, boats and ships and
as drive units in building machinery.**

**Unimog (output 38 - 110 gr. H.P./SAE)
the versatile specialist for building and transport trades,
in agriculture and forestry, in industry and for municipal authorities.**

Engines produced by one and the same manufacturer in the various working machines simplify maintenance and spare part storage.

Ask for further details.
Your nearest Mercedes-Benz Service-Station will willingly supply you with information
or put you in touch with one of our experts.

Daimler-Benz
Aktiengesellschaft

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