



**Volvo B7L
Articulated**

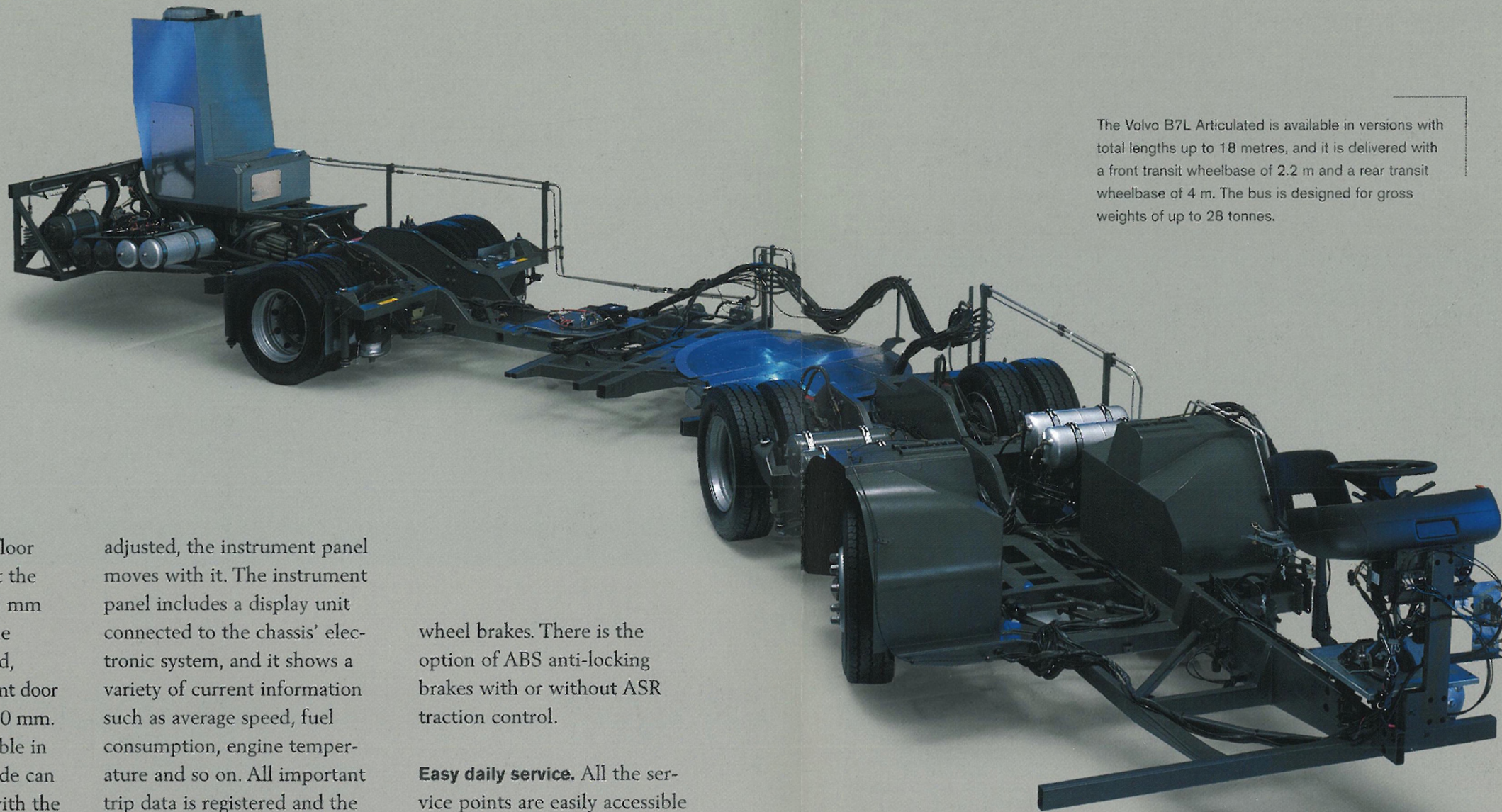
VOLVO



Volvo B7L Articulated

The Volvo B7L Articulated is a purpose-built low-floor bus chassis with a capacity of up to 180 passengers in a package offering excellent total economy. The floor is flat throughout and free from steps at all the doors, which is of particular benefit to children, passengers with physical disabilities and passengers with child carriages. Generous standing room and the possibility of fitting four double doors contributes to efficient passenger through-flow.





The Volvo B7L Articulated is available in versions with total lengths up to 18 metres, and it is delivered with a front transit wheelbase of 2.2 m and a rear transit wheelbase of 4 m. The bus is designed for gross weights of up to 28 tonnes.

Genuine low floor. The floor height is just 320 mm at the two front doors and 345 mm at the rear door. With the kneeling facility activated, boarding height at the front door can be lowered to just 230 mm. The chassis is also available in a variant whose entire side can be lowered by 90 mm with the kneeling function.

First-class driver's environment. The Volvo B7L Articulated is easy to drive even in intense inner-city traffic. Independent front suspension offers excellent ride comfort. And with a front wheelbase of 5.2 metres, the turning radius at the body's front corners is just over 11 metres. The driver's compartment is ergonomically designed and is equipped with a number of practical features. For example, the steering wheel can be adjusted for both height and angle using a simple control, with automatic pneumatic locking of the required setting. When the steering wheel is

adjusted, the instrument panel moves with it. The instrument panel includes a display unit connected to the chassis' electronic system, and it shows a variety of current information such as average speed, fuel consumption, engine temperature and so on. All important trip data is registered and the operator can monitor how the bus is driven on its various shifts. The driver's compartment is also available in a version that complies with the German VDV standard.

Flexible driveline. The Volvo B7L Articulated is available with a choice of several automatic gearboxes with three, four and five forward ratios offering smooth, convenient progress. Powerful rear S-cam brakes and front disc brakes offer excellent braking performance. The Volvo B7L Articulated is also equipped with a steplessly regulated hydraulic retarder that offers gentle braking and reduces wear on the

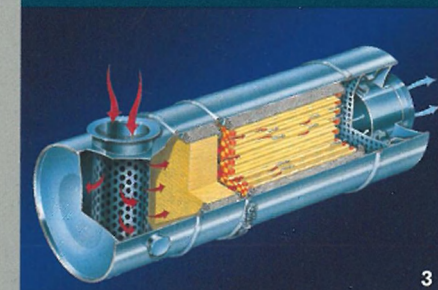
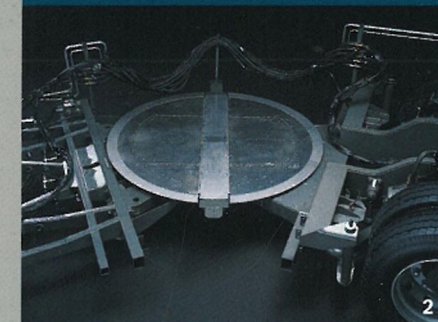
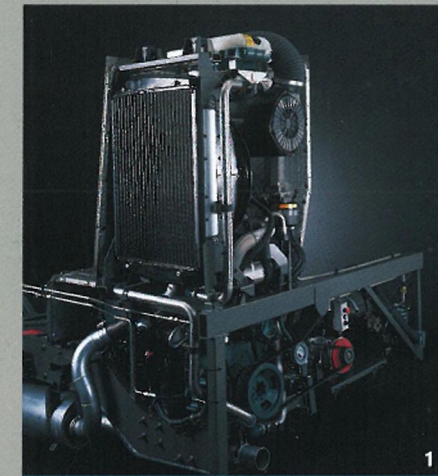
wheel brakes. There is the option of ABS anti-locking brakes with or without ASR traction control.

Easy daily service. All the service points are easily accessible and the on-board electronic system provides automatic control of a range of basic functions, such as coolant level, oil level, oil pressure, braking pressure and turbo boost pressure every time the bus is started.

Economical and environmentally optimised. The engine is a high-efficiency, electronically managed unit producing a choice of 250, 290 or 310 hp, with low fuel consumption and emission levels. At the same time, the engine has excellent low-rev characteristics for quick starts and swift acceleration. The engine is approved as per Euro 2 and is developed

to meet the Euro 3 norms that are scheduled for adoption in 2001. In order to further reduce emission levels, the Volvo B7L Articulated can be equipped with a factory fitted oxidising catalytic converter or an exhaust filter utilising CRT technology.

The effectively noise-insulated engine is installed vertically in the rear left corner to intrude as little as possible into the passenger area. At the same time, it permits a low exit height at the rearmost door.



1. A modern, electronically managed 7.3-litre engine with a power output of 250, 290 or 310 hp combines low fuel consumption with high torque.

2. The low-mounted turntable requires minimum maintenance.

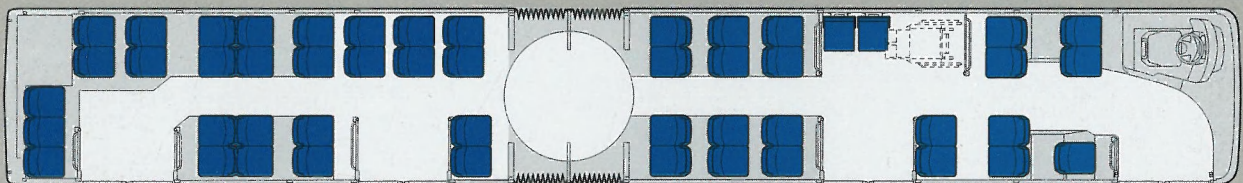
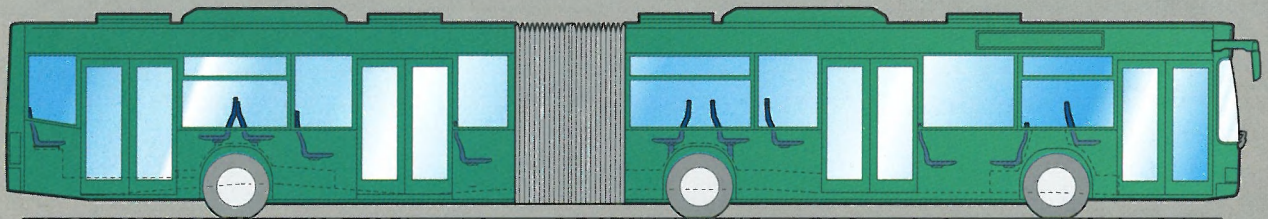
3. Volvo's exhaust filter, which is based on CRT technology, reduces emissions of carbon monoxide, hydrocarbons and particulates by between 80 and 90 percent.

4. The driver's compartment is ergonomically designed, and includes features such as an adjustable steering wheel.

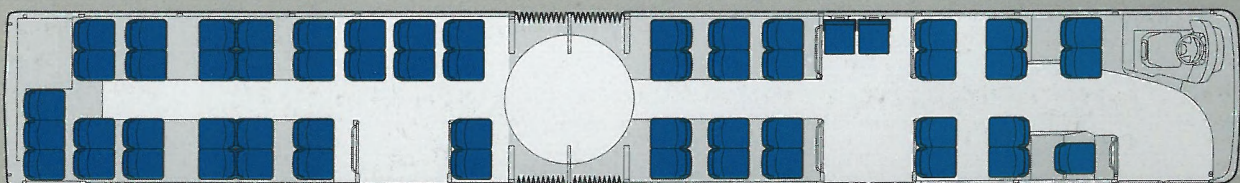
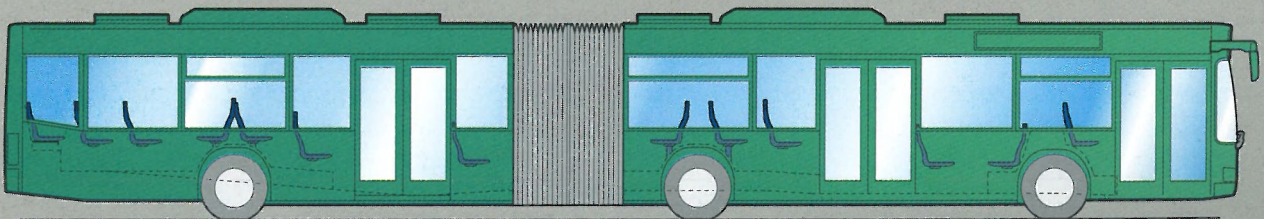


Volvo B7L Articulated, examples of layouts

A flexible design that offers considerable freedom in planning the layout to suit individual needs.



Volvo B7L Articulated, version with 4 doors.



Volvo B7L Articulated, version with 3 doors.

Facts Volvo B7L Articulated

Engine

Volvo D7C producing 250, 290 or 310 hp. Euro 2.

Gearbox

Choice of ZF, Voith and Allison automatic gearboxes, with 3, 4 or 5 forward ratios.

Rear axle

Drop-centre axle with a choice of ratios: 5.74:1, 5.13:1, 4.54:1, 4.07:1.

Suspension

All-round air suspension and independent front suspension with dual stabilisers.

Brakes

Front disc brakes, rear S-cam brakes, hydraulic retarder.

Driver's compartment

Ergonomically designed driver's compartment with a wide range of individually tailored parameters and detailed on-the-move driver information. Available as VDV variant.

Gross weight

Max. gross weight 28,000 kg.

VOLVO

Volvo Bus Corporation

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