

FACT SHEET

ADR-adaptation ADR2



ADR is a European agreement aimed at creating safe international transportation of goods that may be hazardous to people or the environment. Vehicles carrying out such transport assignments are subjected to special regulations governing their equipment.

The chassis is ADR-modified by encapsulating the electrical system, thus shielding the electrical cables, connections and junctions against mechanical wear. The equipment is designed and installed at the factory, in accordance with the high quality level that characterises Volvo chassis.

For the transport of most ADR-classified substances, the vehicle must be equipped with rectangular, reflecting orange-coloured signs that identify the type of hazardous cargo being transported. In the event of an accident, this information makes it possible for rescue personnel to immediately take the appropriate measures to minimise the consequences.

The ADR2 package fulfils ADR types AT, FL, EX/II and EX/III.

FEATURES AND BENEFITS

- Permits the transport of ADR-classified cargo.

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Easily accessible emergency cutout switches for quick shut-off of the power supply

In order for the driver to be able to quickly shut off the power supply in the event of an accident, there is a main power cutout within convenient reach inside the cab. For Volvo FE it is located on the engine tunnel and on Volvo FL it is placed on the right hand side of the steering wheel. The switch has a two-stage safety setting to prevent accidental activation.

An additional emergency cutout switch is located on the outside of the cab (at the front right fender).

Minimised risk of spark generation and short-circuiting thanks to a thoroughly shielded electrical system

All the electrical cables in the chassis behind the cab have extra protection against chafing, impact and bumps, since they are encapsulated inside a corrugated plastic pipe. This eliminates the risk of sparks and short-circuiting in the electrical system. The junction box, side-marker lamps and tail lamps are also fully insulated in the same way, so that no live components can come into contact with leaking gas or inflammable liquids.

The battery box is equipped with an ADR unit whose task is to transfer the signal from each of the emergency cutout switches (inside and outside the cab) and thus disconnect the battery. All the cable connectors are protected with plastic housings. On the battery box there are ventilation holes to evacuate the explosive gases that are formed inside the batteries.

ADR-adapted supplementary equipment

A vehicle intended for the transportation of hazardous goods shall be equipped with one or more portable fire extinguishers with a minimum total capacity of 12 kg dry powder (or an equivalent capacity for any other suitable extinguishant agent). One of them must have a minimum capacity of 6 kg.

The fire extinguishers are not included and must be ordered separately. Above mentioned requirements concern driving of the vehicle, i.e. must be fulfilled by the user of the vehicle.

ADR-approved installation of a parking heater is available as an option.

Some safety-related equipment can be ordered directly from the factory, such as wheel chocks, warning vests and warning triangles.

VOLVO

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