

### Comfort systems

A2.4.1.1  
Car radio



Car radio (A2.4.1.1)

Cat. No.	Description	A2.4.1.1
739 718	BT car radio	1
739 731	Broad Band Loudspeaker	4
739 7421	Short rod antenna	1
726 10	Panel frame T150, Two Level	1
738 02	Automotive power supply 13.8 V/36 A	1
738 10	Ignition Switch	1
524 013S	Sensor-CASSY 2 Starter	1
531 183	Digital Multimeter 3340	1
524 011USB	Power-CASSY USB	1
500 59	Set of 10 safety bridging plugs, black	4
738 9821	Safety experiment cables, set of 51	1
500 592	Safety Bridging Plugs with Tap, black, set of 10	1
775 040EN	LIT: Car Radio A2.4.1.1	1
738 01	Cable and plug box	1*
739 736	Automotive Bass Loudspeaker	2*
739 735	MOST Loudspeaker	2*
738 06	12 V on-board socket	1*
500 593	Fault simulation plugs, black, set of 10	1*
775 040EN	LIT: A2.4.1.1 Car Radio	1

\*additionally recommended

Comfort systems, like safety systems, are part of the basic equipment in modern motor vehicles. In contrast to driver assistance systems, however, they do not actively intervene in the driving process, but they are only useful for information and comfort.

The development of the car radio was just as interesting as the components related to the motor. Starting in the form of a tube, there was already an FM car radio with station scanner in 1953. At the end of the 1950's, transistors no longer were tubes, which led to a significant reduction in weight and volume. Stereo reception appeared in 1969, followed by the compact cassette, and the first traffic report on the German ARI radio service began in 1974. Digital technology made its appearance at the beginning of the 1990's; digital displays, CD play back, RDS and DAB paved the way to an integrated multimedia system.

The educational system consists of a CD radio and features:

- four loudspeakers (connected in the back)
- a power antenna
- Bluetooth™ phone connection
- telephone muting, and
- Bluetooth™ audio transmission.

The car radio features two cinch connectors on the front to connect an external amplifier. To teach communications electronics, the system offers the possibility to measure the signal received by the antenna as well as to determine the loudspeaker impedance.