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Communication

91 - Mobile Telephone and Two-Way Radio Operation

General information

Cellular phones and portable two-way radios may not be used in the vehicle without a separate external antenna.

- ◆ Radio remote controls (e.g. for garage door opener) and wireless units (e.g. keyboard or PC mouse) may only be used in the vehicle if the transmitted output is max. 100mW.
- ◆ Installation of "e-marked units" is only permitted (Europe only).
- ◆ Cellular phones or other retrofitted two-way units (business equipment) must have "CE mark" (Europe only).
- ◆ It is absolutely necessary to observe the manufacturers operating and installation instructions for cellular telephones, two-way radios and antennas.
- ◆ The optimum unit range is only reached via an external antenna.
- ◆ When telephone and two-way radio systems are installed properly there is no danger to safety system e.g. ABS or airbag. A prerequisite is however that there has been no intervention in their installations. Parallel wiring to such systems must be prevented.
- ◆ The use of cellular telephones or two-way radios without or with an incorrectly installed external antenna results in increased electromagnetic fields in the vehicle interior.
- ◆ By the use of magnetically adhered antennae on vehicle roof, there is the hazard that the navigation system will malfunction due to magnetic influence and remaining magnetization of the vehicle roof. For complaints of inaccurate or faulty navigation system, ask the customer whether a magnetically adhered antenna is being used before starting repair work.

In this case, detrimental affects to health or malfunctions of vehicle electronics could be the consequence.

Installation and operation of two-way radios with a transmitted output above 10 watts for the radio communication services listed in the table is only permitted regarding the following prerequisites:

- ◆ The transmitted output on antenna base (see manufacturers designations) must not exceed the relevant max. values.
- ◆ Antenna locations listed in the table must be maintained.

Transmitted output and antenna fitting locations table, ⇒ [Transmitted output and antenna](#)

[installation locations](#)

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