



Technical Service Bulletin

91 Audi phone box customer registration form and reporting obligation by customer to MNO

91 18 10 2051720/1 September 14, 2018.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
All	2019 - 2022	All	With Audi phone box

Condition

The customer has inquired about the Audi phone box (Figure 1) and/or wants to know more about the registration form to be submitted to the customer's Mobile Network Operator (e.g. AT&T, T-Mobile, Verizon, Sprint, etc.).



Figure 1. Audi phone box with wireless charging.

Technical Background

Audi phone box background information:

Starting with the MY19, vehicles sold in the USA can be equipped with the Audi phone box system (PR Code GP2). The Audi phone box system includes a Qi compatible wireless charging pad and a wireless connection to an external LTE antenna located outside the vehicle (Figure 1). Although, by design the system is a “signal compensator” only moving the signal to outside the vehicle, the FCC has classified this type of device as a “signal booster”. It is important to note to the customer that this system does not appreciably amplify the signal from the mobile phone to the network, as with older style signal boosters which were in use before 2013. Thus, if the customer is unable to receive a signal from the MNO to their mobile device while standing outside the vehicle, using the Audi phone box inside the vehicle will *NOT* improve the signal strength.

From the FCC.gov website:

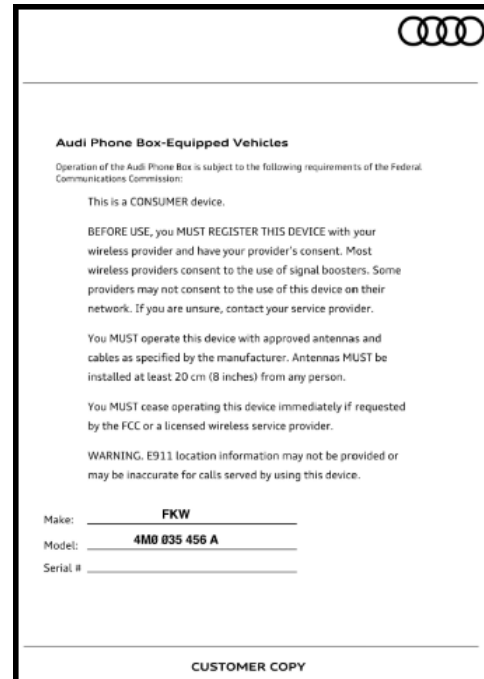
The FCC issued a Report and Order on February 20, 2013, that includes rules and policies that will enhance wireless coverage for consumers, particularly in rural, under-served, and difficult-to-serve areas by broadening the availability of signal boosters while ensuring that boosters do not adversely affect wireless networks. New FCC rules for wireless signal boosters came into effect on March 1, 2014. Consumers can read the Consumer Advisory for consumers who own signal boosters here: <https://www.fcc.gov/document/consumer-advisory-information-consumers-who-own-signal-boosters>.



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Audi Dealers MUST provide the registration form the customer at time of delivery.

Audi dealers must provide to the vehicle owner the customer registration form (Figure 2) found in the glovebox. This form is installed at the port of arrival in the USA. The form contains the Make, Model, and Serial number of the Audi phone box installed in the vehicle. Customers must submit this information to their personal cell phone service provider (MNO).



The form is titled "Audi Phone Box-Equipped Vehicles" and includes the Audi logo in the top right corner. It contains the following text:

Audi Phone Box-Equipped Vehicles
Operation of the Audi Phone Box is subject to the following requirements of the Federal Communications Commission:
This is a CONSUMER device.
BEFORE USE, you MUST REGISTER THIS DEVICE with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your service provider.
You MUST operate this device with approved antennas and cables as specified by the manufacturer. Antennas MUST be installed at least 20 cm (8 inches) from any person.
You MUST cease operating this device immediately if requested by the FCC or a licensed wireless service provider.
WARNING: E911 location information may not be provided or may be inaccurate for calls served by using this device.

Make: FKW
Model: 4M0 035 456 A
Serial #: _____

CUSTOMER COPY

Figure 2. Customer registration form.

Below is a list of the known registration sites for the four most common providers operating in the USA. Please keep in mind these URLs are subject to change at any time. If the URL does not work, then please ask the customer to contact their provider's support center to find the latest registration process which will be specific to their provider:

AT&T: <https://securec45.securewebsession.com/attsignalbooster.com/>

Sprint: <https://www.sprint.com/en/legal/signal-boosters.html>

T-mobile: <https://www.signalboosterregistration.com/>

Verizon: <https://www.verizonwireless.com/solutions-and-services/accessories/register-signal-booster/>

Production Solution

Not applicable.



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Service

If the customer cannot locate the form to register the factory installed Audi phone box, please download and print off the form which is attached to this TSB. Additionally, the form can be downloaded from ServiceNet located at *Audi >> Technician References >> Electrical >> Audi phone box registration form*.

How to fill out the form:

The three main fields on the form are *Make*, *Model*, and *Serial number*.

Make:

- For all Audi vehicles, the Make will be “**FKW**”.

Model:

- For all Audi vehicles, the Model will be the Audi phone box part number, **4M0.035.456A**. For MY19, the part number is same for all Audi vehicles with the Audi phone box.

Serial Number:

The serial number is the only value which will change for each vehicle. Each Audi phone box system installed will have a unique serial number. This serial can be found in ElsaPro under the vehicle information section (Figure 3). Additionally, for some MY19 models only (except D5, C8, and R8), a sticker will be placed in the rear luggage water drain channel (Figure 4) with the installed Audi phone box Serial number.

The screenshot shows a software interface with two main sections: 'PR numbers' and 'PhoneBox'. The 'PR numbers' section has a blue header and a small blue circle icon below it. The 'PhoneBox' section has a blue header and a white body. Below the 'PhoneBox' header, there is a table with three columns: 'Manufacturer:', 'FKW', and 'Model:'. Below this, there is a row with 'Serial number:', '00130.05.1800020690', and an empty space.

Manufacturer:	FKW	Model:
Serial number:	00130.05.1800020690	

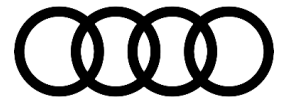
Figure 3. Serial number in ElsaPro.



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Figure 4. Sticker locations on various Audi models for MY19.



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For MY19 A8 (D5), A6/A7 (C8), and R8; the serial number is located on the factory production sticker. This sticker should already be placed in the owner's manual (Figure 5). If the sticker is not in the owner's manual, it can be found in the spare wheel well area or front luggage area of the R8. Please relocate the sticker to the owner's manual.



Figure 5. Factory production sticker.

Warranty

This TSB is informational only and not applicable to any Audi Warranty.

Additional Information

All part and service references provided in this TSB (2051720) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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