

<b>Technical Bulletin</b>		<b>Model</b> <b>6 Cyl.</b>	<b>Group</b> <b>9</b>
<b>Subject</b>	<b>Introduction of Immobilizer System</b>	<b>Part Identifier</b> <b>9068</b>	<b>Number</b> <b>9501</b>

**ATTENTION: Service Manager / Service Technician**

**This bulletin replaces Technical Bulletin Group 9, number 9501, dated 2-21-95.**

**Model Affected:** ***1995 911 Carrera with M-Option 530 (Immobilizer) installed***

**Concern:** Using the correct procedure for locking/unlocking doors and starting the engine.

**General Information:** The immobilizer feature (M-Option 530) operates together with the vehicle alarm and central locking system. When activated, functions of the engine management system are blocked, and it is impossible to use the starter. This system is remote controlled by hand operated senders (two supplied with each vehicle).

**Important:** **PLEASE READ THIS ENTIRE BULLETIN BEFORE ATTEMPTING TO OPERATE THE SYSTEM, OR PERFORM EMERGENCY UNLOCKING WITH THE VEHICLE KEY. WITH THIS SYSTEM, THE DOORS SHOULD ONLY BE UNLOCKED AND LOCKED USING THE REMOTE CONTROLS.**

In order to eliminate the possibility of accidentally unlocking the doors with the key, the lock cylinders are covered with a plastic cap. For emergencies, the plastic caps can be removed with a fingernail. Some early production vehicles may not be equipped with lock cylinder caps. These vehicles with an immobilizer can be recognized by a decal stating "Porsche Drive Block System" adhered to the side windows. Again, only the remote controls should be used to unlock and lock doors.

The purpose of this bulletin is to make the servicing technician aware of the various immobilizer system functions:

- Basic Immobilizer Operations and Features
- Emergency Operation with the Vehicle Key
- Remote Control Sender Operation and Maintenance
- Parts Information

**Operation and Features:** **Activation and Deactivation**  
Starting with an unlocked vehicle, when the remote control is pressed for at least one (1) second, the central locking system, car alarm, and immobilizer are activated. This cycle of activation can be recognized by the flashing of the light emitting diodes (LED) at the top of the door panels. A second pressing of the remote control button will deactivate the system. The remote control has a range of about 15 feet (5 meters) depending on the environment and the



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**Operation and Features:**(Cont'd) strength of the battery in the remote control.

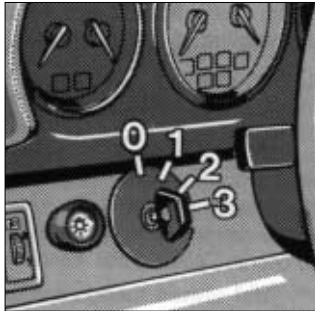
**Note:** Frequent activation of the remote control outside its range will lead to rapid discharge of the battery in the remote control.



#### Immobilizer Warning Light

A warning light in the clock will display the operational status of the immobilizer if the ignition key is switched to position 1 or 2. When the immobilizer is activated, the warning light will be on. Once the immobilizer is deactivated by using the remote control, the warning light will stay on for approximately two (2) seconds for a bulb check (with the ignition switched on).

**Important:**Should the warning light flash on and off repeatedly after switching on the ignition, the immobilizer system has a fault, and deactivation is not possible. It will then be necessary to have the vehicle transported to an authorized Porsche dealer.



#### Automatic Immobilizer Activation

The immobilizer function will activate automatically (without using the remote control) if:

- the ignition key is removed from the ignition switch and not replaced within 90 seconds and switched to position 2.
- the key is not placed in the ignition switch and turned to position 2 within 180 seconds after deactivating the system using the remote control.

**Note:**If the vehicle starter motor does not operate when attempting to start the engine and the immobilizer warning light is on, press the button on the remote control. After the two (2) second bulb check, the warning light will go out and the engine will start.

#### Central Locking Features:

##### Automatic Relocking

If the vehicle is unlocked using the remote control and subsequently none of the doors are opened within a period of one (1) minute, the doors will be automatically relocked, and the alarm system and immobilizer will be activated. To unlock the vehicle again, the remote control must be pressed twice.



##### Non-Operational Central Locking System

If the central locking system cannot function due to an open door or centralized malfunction (electrical/mechanical), the alarm horn will sound briefly to indicate a problem in the central locking system. Under these conditions, the vehicle will not be locked and the **alarm** system will not be activated. The alarm system may be activated in spite of the malfunction in the central locking system by operating



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**Central Locking Features:**(Cont'd) the key in the door lock in the locking direction three (3) times or by operating the remote control six (6) times.

**Emergency Operation:**

If the remote control is lost, damaged, or malfunctioning, it is possible to unlock the vehicle and deactivate the immobilizer using the key. The process for doing this is detailed and exacting. The instructions for unlocking the vehicle with the key and deactivating the immobilizer must be followed to the letter. Any deviation from the procedure such as exceeding the allowed time interval or omitting a step will result in an abort of the procedure, and the alarm horn will sound along with flashing of the exterior lights. If this occurs, the alarm horn will sound for a period of up to 3 minutes and cannot be switched off. Only a remote control tuned to the vehicle will cancel the alarm before 3 minutes has expired.

**Emergency Operation using the key**

The plastic cap covering the door lock cylinder must be removed to insert the key.

**Locking**

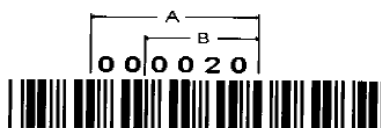
When the vehicle is locked with the key, the central locking system, alarm, and immobilizer are activated

**Unlocking**

For emergency unlocking of a door, the key must be held in the unlocked position while the door is opened using the door handle. Once the door is opened the key may be released and removed. When the vehicle is unlocked with the key and the door opened, the alarm will sound immediately. This is why only the remote control should be used to unlock the vehicle. The door will be relocked as soon as it is closed.

**Emergency Unlocking**

Use the emergency unlocking procedure only if the remote control is lost, damaged, or malfunctioning. The alarm horn can be switched off for a period of two (2) minutes so that the immobilizer can be deactivated. During this time, the vehicle lights will continue to flash. Deactivation of the immobilizer is then accomplished by entering a four (4) digit code (specific to the vehicle) using the key in the ignition switch. The code number is identical to the last four (4) digits of the immobilizer control unit serial number which is located on the vehicle key card.



**A - Serial Number**  
**B - Code Number**



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**9501****Emergency Operation:**(Cont'd)

This key card should be in the owner's possession but not kept in the vehicle.

**Procedure**


1. The door lock must be **unlocked, locked, and unlocked again within five (5) seconds**. The alarm horn will sound momentarily. Now the door may be opened without sounding the alarm, but the lights will begin to flash.
2. Within another **ten (10) seconds**, the ignition switch must be turned to position 2. The immobilizer warning light then comes on.
3. Within another **one hundred (100) seconds**, the four (4) digit code must be entered using the ignition key. After the code is successfully entered, the immobilizer, central locking system, and alarm will be deactivated.

**Note: The alarm horn will sound indicating an abort of the procedure if any of the time intervals are exceeded!**

**Entering the code numbers**

1. After the immobilizer warning light has turned off, the ignition must be switched off and on again (key position 2) within **five (5) seconds**. The immobilizer warning light will come on again. If the above time is exceeded, the procedure will be aborted.
2. The immobilizer light will start to flash after approximately **ten (10) seconds**. You must start entering the first code number within the next **five (5) seconds!**
3. Each digit of the code number is entered with the ignition key by switching the ignition **off, then on**(key position 2). Start with the first digit of the code, and repeat the off/on process the number of times equal to the digit of the code. For Example: 2 = off-on-off-on.  
**Note: The code digit 0 is equal to ten (10) ignition off/on cycles.**
4. After the first digit of the code has been entered, (ignition is back in the on position) wait **three (3) seconds** and the immobilizer warning light will come on again. Once this happens, begin to enter the second digit of the code. Repeat this process for the remaining digits of the code.
5. The immobilizer will be deactivated if the code has been correctly entered. The central locking system will be in the unlocked position, and the alarm system will be deactivated. After switching off the ignition once, the engine may then be started.



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<p><b>Emergency Operation:</b>(Cont'd)      <b>The automatic activation feature of the immobilizer will not be defeated by the emergency deactivation. Therefore, do not remove the key from the ignition switch after the procedure, or the immobilizer will reactivate after 90 seconds.</b></p> <p><b>Remote Control Sender:</b>      A maximum of four (4) remote control senders may be allocated to one car. If a remote control is lost, damaged, or malfunctioning, a replacement remote control can be purchased and calibrated to operate to a specific vehicle. Since the vehicle comes with two (2) remote controls, any additional remote control senders must be calibrated at the same time along with the controls already existing for the vehicle.</p> <p><b>Remote Control Calibration</b>  <u>A new remote control can only be calibrated by following the "Emergency Unlocking" and "Entering the Code Numbers" procedures. Once you have reached the end of step 5 (Entering the Code Numbers section), do not switch off the ignition. You now have one (1) minute to complete the calibration process. Have on hand the number of remote controls (up to four) you wish to calibrate to the vehicle. Press the button on the remote control for at least one (1) second, and the light emitting diodes on the doors will start to flash. Calibration of the remote is then complete.</u></p> <p>Set remote controls one after the other until all of the remote controls are recalibrated. <b>Any remote control already assigned to the vehicle which is not recalibrated during this process will become inoperative.</b> If the remote controls are not calibrated within one (1) minute or the ignition switch is turned off, the calibration process will be ended.</p> <p><b>Remote Control Maintenance</b>  The only maintenance the remote control should require is replacement of the battery. A weak battery can be recognized by a reduction of the range of the remote control. Although a weak battery may have sufficient power to light the LED in the remote control, it is possible that the transmitted signal is too weak to deactivate the immobilizer, alarm, and central locking system. Therefore, it is important to replace the battery in the remote control before this occurs.</p> <p><b>Note: Frequent activation of the remote control outside its range will lead to rapid discharge of the battery in the remote control.</b></p>			
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**Remote Control Sender:**(Cont'd) It is recommended that you make a copy of "Emergency Operation with Keys" from the Owner's Manual, on which you should note the 4 digit code number of the Immobilize control unit. This document should be carried by the customer in the event emergency operation becomes necessary.

The immobilizer system is installed in 1995 911 Carreras as of the following **VIN** numbers:

**WP0AA2 99 1 SS 32 1454      Coupe**  
**WP0CA2 99 8 SS 34 1225      Cabriolet**

**Parts Information:**

**Spare Parts**

If an immobilizer control unit is sold as a spare part, the serial number / bar code label must be completely removed by the authorized Porsche dealer before the part is installed or sold over the counter. There are two (2) serial number labels on the control unit. One label must be kept at the dealer in the vehicle file, and the other must be given to the vehicle's owner.

**Important Notice:** Porsche Cars N.A Technical Bulletins are intended for use by professional technicians, not a "Do-it-yourselfer." They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Special tools may be required to perform certain operations identified in these bulletins. Use of tools and procedures other than those recommended in these bulletins may be detrimental to the safe operation of your vehicle. Properly trained technicians have the equipment, tools, safety instructions and know-how to do a job properly and safely. If a condition is described, do not assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your Porsche Dealer for information on whether your vehicle may benefit from the information. Part numbers listed in these bulletins are for reference only. Always check with your authorized Porsche dealer to verify correct part numbers. ©1995 Porsche Cars North America, Inc.

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