



IMMO BLOCK I

Immobilizer Block for Drive-Block-Equipped 1995-1998
Porsche 993's

INSTALLATION MANUAL for Rest-of-World (RoW) 993's

Designed and Engineered by PCAR Products

RoW 993 INSTALLATION

This installation applies to all RoW 993's (except UK models). RoW 993's lack the gong relay socket that North American cars have so IMMO BLOCK must be wired to the car. In all other ways IMMO BLOCK works the same in all 993's. You will be connecting 2 wires from IMMO BLOCK to the main wire loom under the carpet in the left-side footwell. Your RoW IMMO BLOCK comes with the following parts and an installed battery:

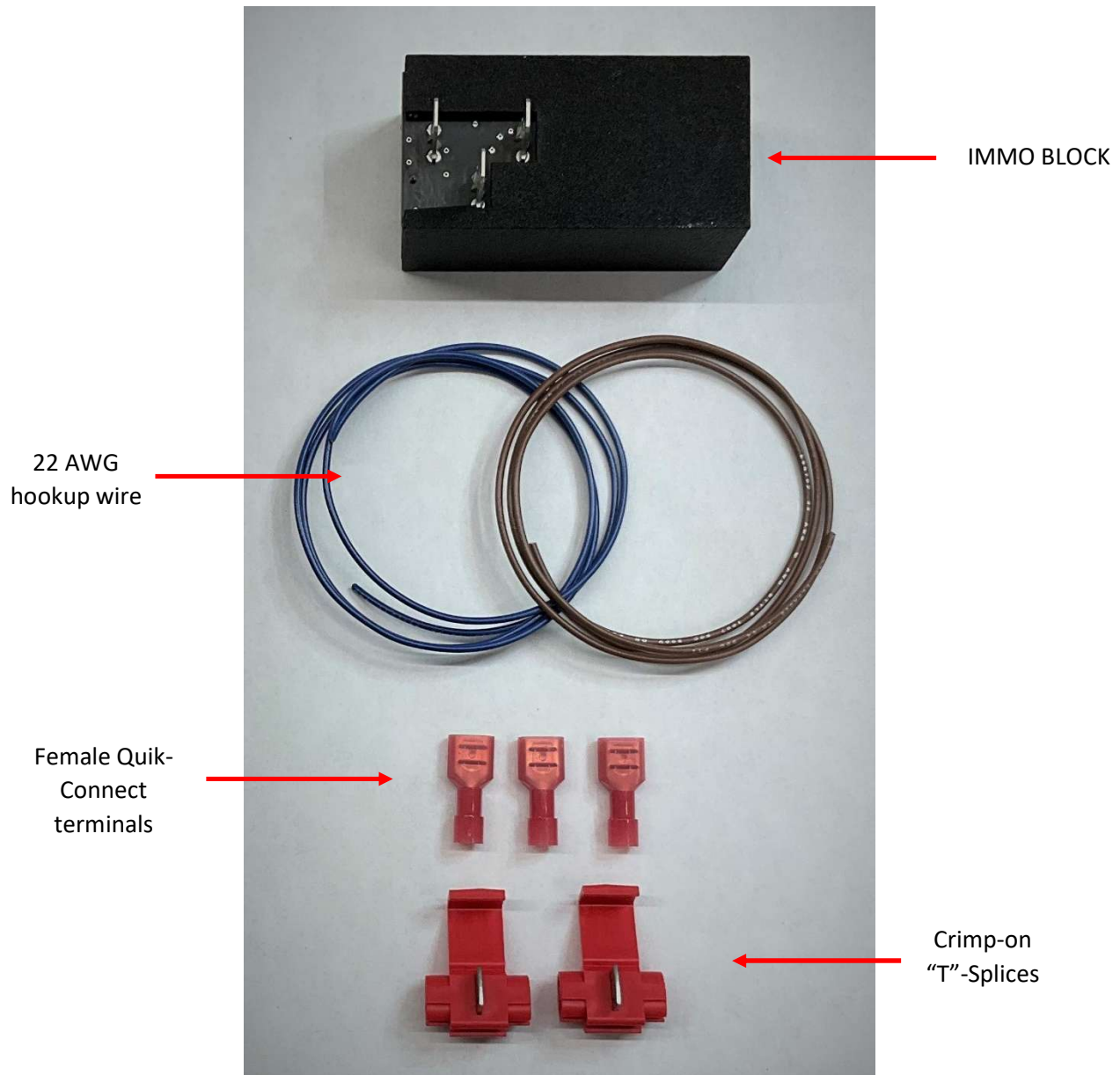


Figure 1 Installation Kit

In addition to the parts provided in the kit you will need:

- scissors
- slip-jaw pliers
- electrical tape
- Crimping tool

Before starting, remove key from ignition (Vehicle battery can stay connected).

- Slide left seat all the way back.
- Starting at the seat, roll carpet & insulation forward to expose the large wire loom next to the center console.
- Using scissors, carefully cut the protective tape starting at a point about 10" forward of the seat. Working towards the seat, unwrap about 6" of tape to expose the wire bundle. (Do not cut tape off)

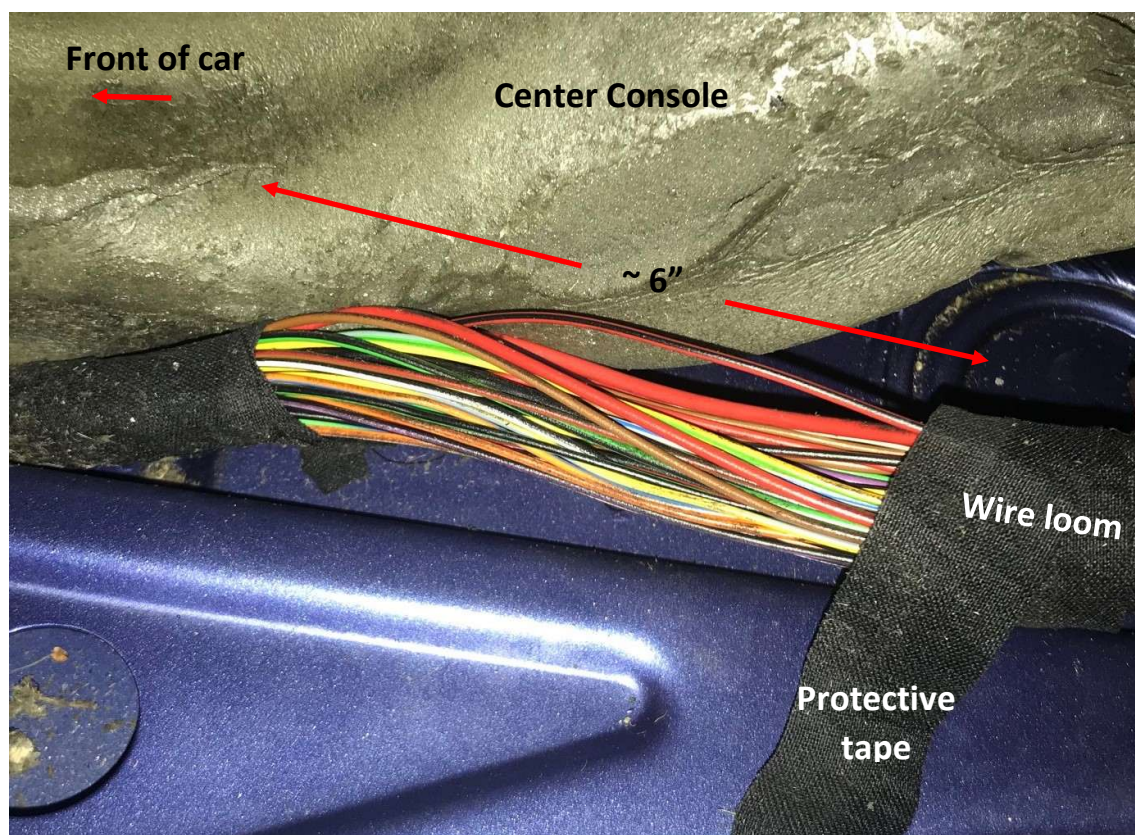


Figure 2 Wire loom (tape removed)

- Locate the 3 brown ground wires. Isolate the large one and put the others back.

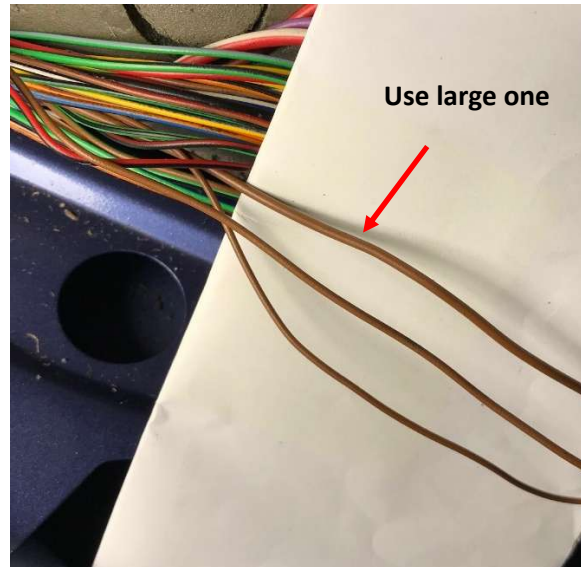


Figure 3 BROWN loom wire

- Pick a spot close to the forward end of the exposed section of loom wires and slip a T-splice onto the brown loom wire (do not cut or strip the loom wire).
- Put the BROWN wire into the other cavity in the splice. Do not strip insulation off. Make sure the wire is all the way in.

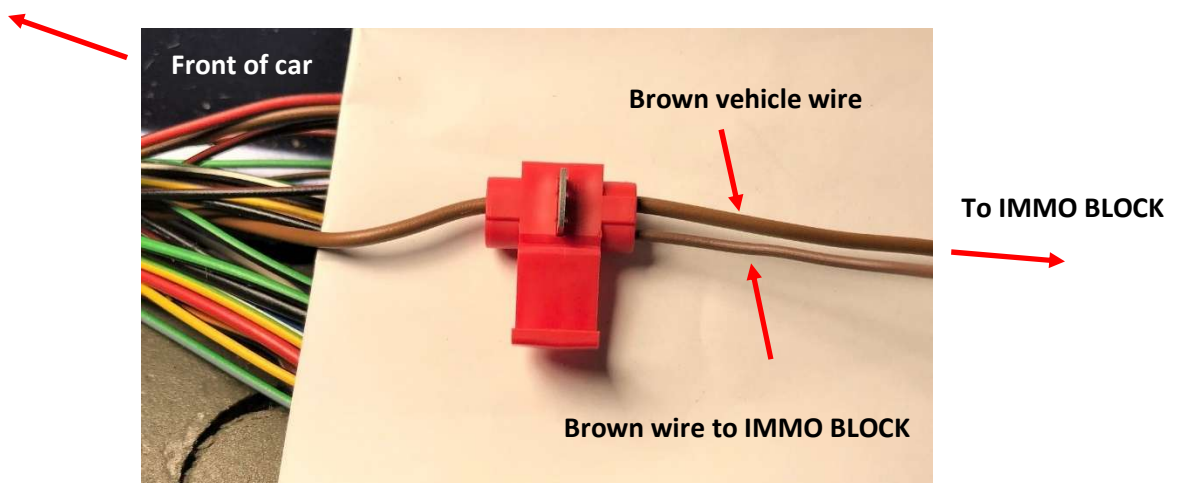


Figure 4 BROWN wire connection using T-Splice

- Using slip-jaw pliers¹, squeeze the metal contact all the way down, at the same time making sure the brown IMMO BLOCK wire stays fully inserted. Fold the plastic flap over and snap in place:

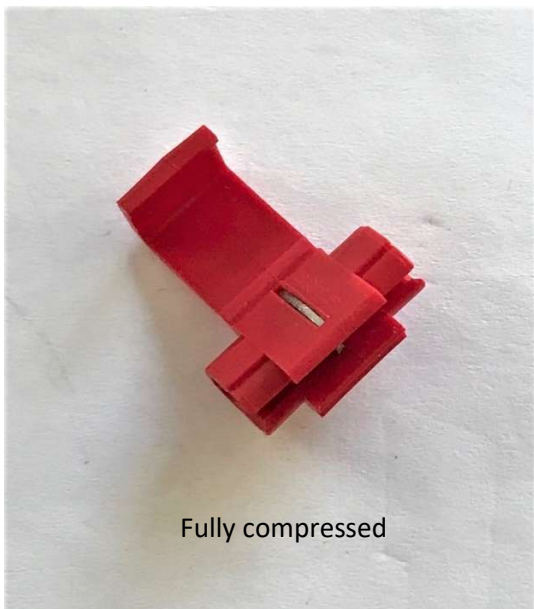


Figure 5 T-SPLICE Install

¹slip-jaw pliers provide more even pressure than standard pliers.

- Give a little tug on the brown wire to test connection.
- Next, locate the RED wire with BLACK tracer. There is only one but be careful – there are two BLACK wires with RED tracer that look similar. The best way to insure you have the right one is to pull all 3 out and compare them side-by-side (Clean off adhesive to get a better view). The one you want has more red than black and is larger than the other 2:

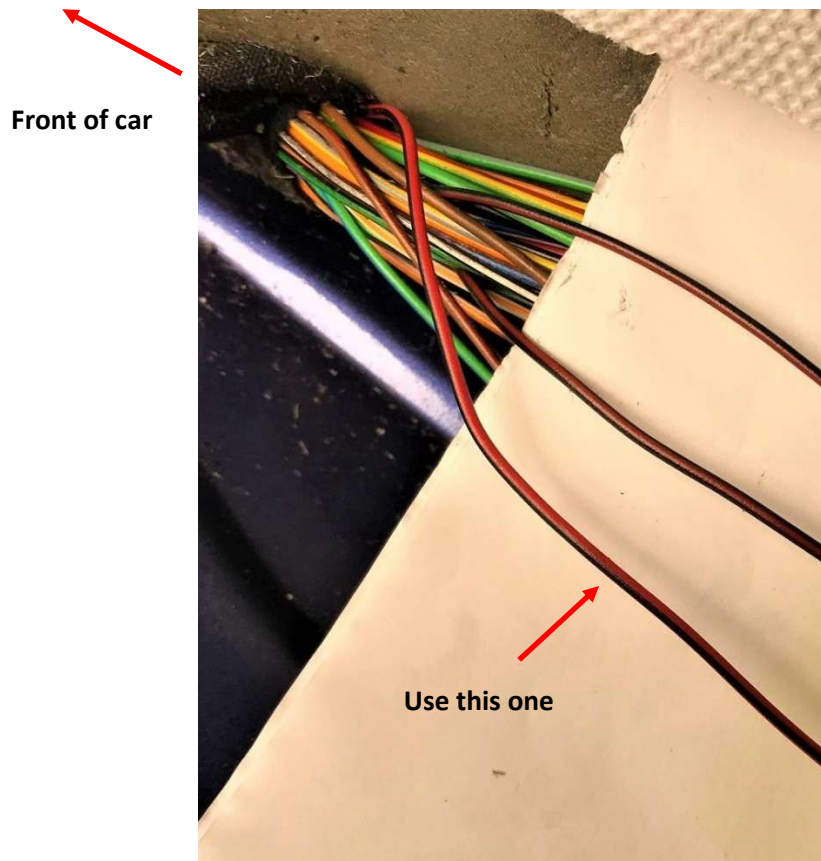


Figure 6 RED/BLK loom wire

- Pick a spot a few inches away from the first splice so that the two don't end up on top of each other, and slip the T-splice over the RED/BLK wire (do not cut or strip the loom wire).
- Put the BLUE wire into the other cavity in the splice. Do not strip insulation off. Make sure the wire is all the way in.
- Using slip-jaw pliers, squeeze the metal contact all the way down while at the same time making sure the blue IMMO BLOCK wire stays fully inserted. Fold the plastic flap over and snap in place.
- Give a little tug on the blue wire to test connection.
- The finished connections should look like this:

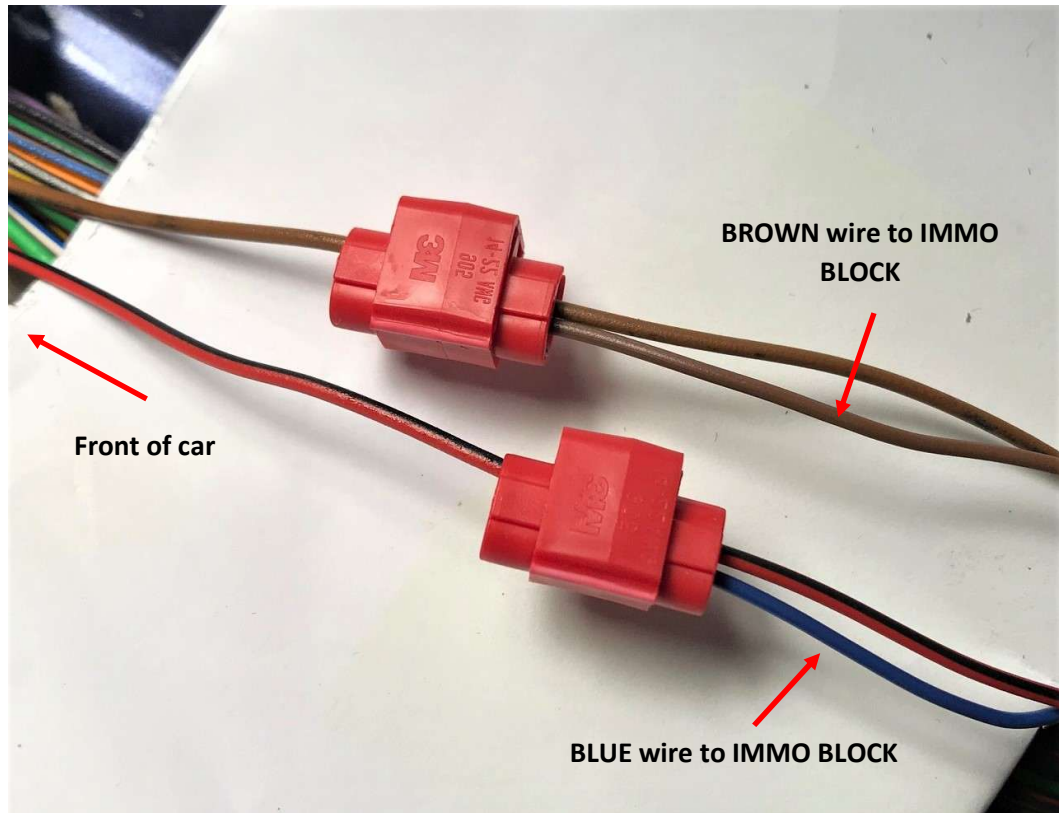


Figure 7 Finished splices

- You will be mounting IMMO BLOCK under the carpet in front of the Motronics ECU, so route the brown and blue wires back to this area and cut to length.
- Attach a female quick-connect terminal to the brown and blue wires.
- Connect the brown and blue wires to the IMMO BLOCK as shown below.
- Install a dummy quick-connect terminal to the third IMMO BLOCK terminal. This is for protection only.

It should look like this when done:

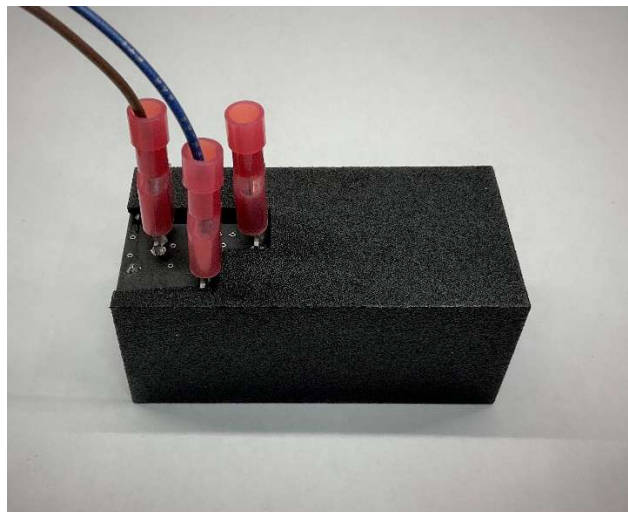


Figure 8 Wires connected to IMMO BLOCK

Complete Installation

- Double check wiring
- Notch carpet insulation as shown below to make room for IMMO BLOCK.
- Put IMMO BLOCK in place and temporarily cover with the carpet.

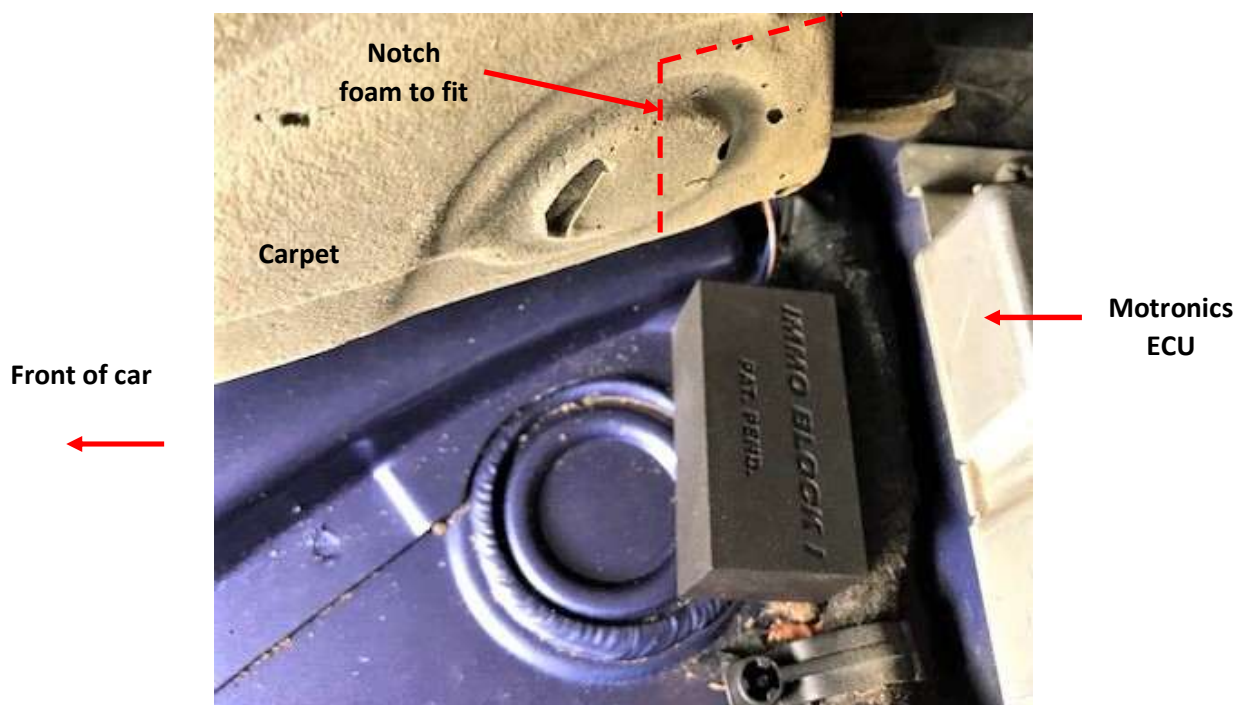


Figure 9 Notch insulation



IMMO BLOCK must be completely covered by the carpet.

Test

- Close door and lock with FOB.
- Unlock with FOB, open door, get in.
- Wait at least 3 minutes.
- Start car

If car starts, IMMO BLOCK is operational.

If car does not start:

- Double check wiring.
- Make sure battery is installed in IMMO BLOCK.
- Make sure IMMO BLOCK is completely covered by the carpet.
- Repeat test

Complete installation.

- Wrap protective tape back onto wire loom. Use additional tape if necessary.
- Roll carpet back into place
- Installation complete! 

From now on the vehicle can be started any time with just the key - no more double FOB presses, no more lock cycling. IMMO BLOCK works in the background and requires no further action by you. If you remove IMMO BLOCK, or change its battery, or the car battery is disconnected/reconnected, simply unlock the car again with the FOB to re-initialize IMMO BLOCK.



IMPORTANT

THE IMMOBILIZER IS DEFEATED WHEN THE VEHICLE IS UNLOCKED. ALWAYS LOCK YOUR VEHICLE FOR FULL ANTI-THEFT PROTECTION.

BATTERY INSTALLATION

IMMO BLOCK is powered by an internal 9-volt battery that will run approximately 2 years. Replace battery when voltage goes below 6.5V or IMMO BLOCK stops working. Replace as follows:

- Turn Ignition OFF and remove key.
- Turn unit over and note how the notch in the case engages the terminal (Figure 10).
- Gently push the case to the left to disengage the notch from the terminal and simultaneously pull or push the electronics body out (Figure 11).
- Alternatively, wedge a plastic pry tool between the case and terminal and work it back and forth to push the electronics body out (Figure 12).
- Release battery by pushing rear tab outward and rotating battery up and out (Figure 13). Avoid contacting exposed pins.
- Install a fresh 9-volt battery observing proper polarity and slide case back on.
- Wait 5 minutes, then re-install IMMO BLOCK.



The IMMO BLOCK case shields and protects sensitive circuitry.

DO NOT OPERATE IMMO BLOCK WITH CASE REMOVED

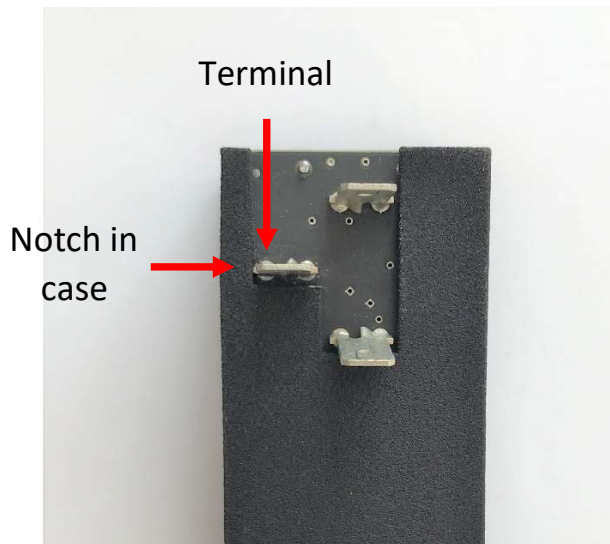


Figure 10 Notch engages terminal

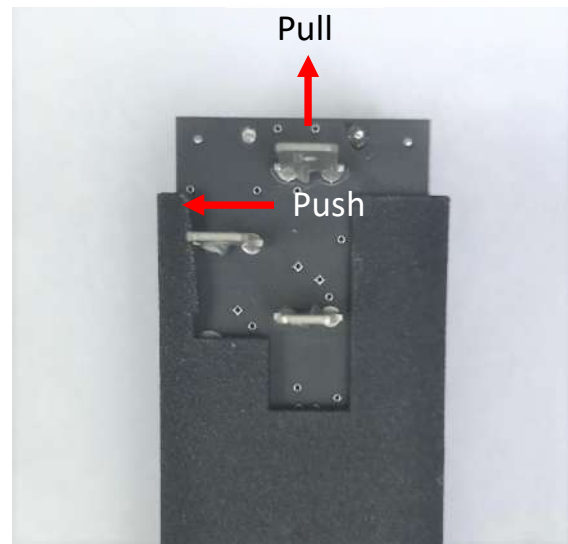


Figure 11 Push case. Pull electronics out.

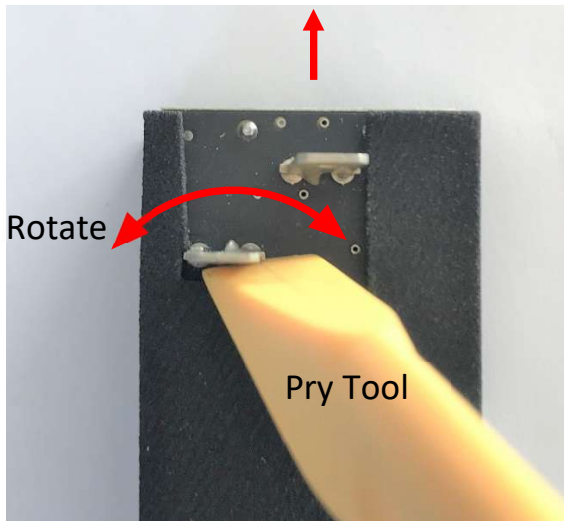


Figure 12 Alternate removal method

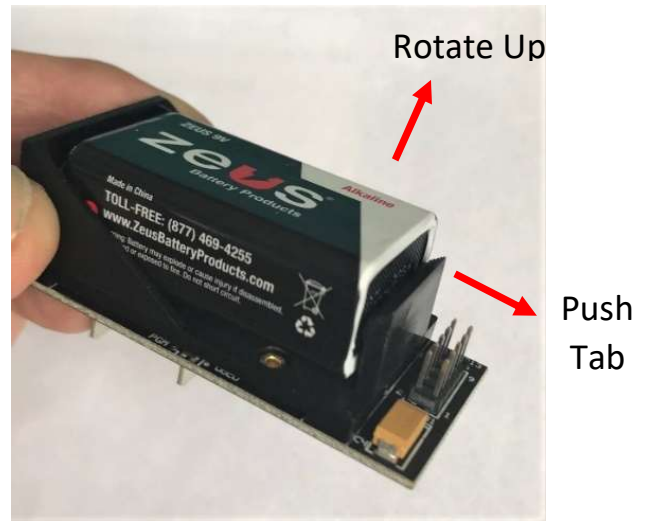


Figure 13 Remove battery

FAQs

Q: Which 993's should IMMO BLOCK be wired to?

A: IMMO BLOCK should be wired to all non-North American (Rest-of-World) Porsche 993's, except UK-market cars. It works in all models and all model years from mid 95 to 98.

Q: What about early 95's that do not use wireless key FOBs?

A: Early 95's use immobilizers that do not have the lock/unlock issue. If you do not have a radio frequency key FOB you do not need IMMO BLOCK and should not install one.

Q. My computer (ECU) has performance tuning modifications. Will IMMO BLOCK work for me?

A. Yes. IMMO BLOCK only requires that the car have an original equipment immobilizer and radio frequency key FOB.

Q. Will I still need my key FOB after installing IMMO BLOCK?

A. Yes. The FOB is the only way to unlock the doors without setting off the alarm.

Q: Are there any unwanted side effects to using IMMO BLOCK?

A: There are no known side effects using IMMO BLOCK. IMMO BLOCK simply eliminates nuisance locking/unlocking. In all other ways your car will behave normally.

Q: Do I need to install a starter bypass relay?

A: No. Older ECU-type work arounds require a starter bypass relay. IMMO BLOCK does not.

Q: Will IMMO BLOCK interfere with my OBD II diagnostic scanner?

A: No. Any scanner that worked before IMMO BLOCK was installed will work after installing IMMO BLOCK.

Q: Can I still program FOBs with IMMO BLOCK installed?

A: Yes. The FOB programming procedure / Emergency start procedure in your Owner's Manual will work without having to remove IMMO BLOCK.

Q: Can someone start my car by just plugging in an IMMO BLOCK?

A: No. IMMO BLOCK must be activated by your FOB before it will work.

Q: How long will the IMMO BLOCK battery last?

A: IMMO BLOCK will work down to around 6.5v. A 9V alkaline battery will last approximately 2 years. A 9v lithium will last about 3 years. Actual battery life depends on manufacturer, age of the battery and temperature.

Q: What happens if the IMMO BLOCK battery dies?

A: If the IMMO BLOCK battery dies, there is no danger, the car simply behaves like it did before IMMO BLOCK was installed. Change the IMMO BLOCK battery to resume blocking behavior.

Q: After I replaced the IMMO BLOCK battery it stopped working. Is this normal?

A: Yes. Whenever the IMMO BLOCK battery is changed it needs to be reactivated with a FOB unlock after installation.

Q: I disconnected my car battery and after reconnecting it IMMO BLOCK stopped working. Is this normal?

A: Yes. If the car battery is disconnected and reconnected, unlock the car with the FOB to reactivate IMMO BLOCK.

Q: My IMMO BLOCK stopped working after I started the car. Is this normal?

A: If your car's battery is weak or the power cables are loose or corroded, voltage can drop low enough to reset the immobilizer. If this happens, the immobilizer will power up ARMED. Simply unlock with the FOB to make IMMO BLOCK operational again.

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