



# Keyless Vehicle Crime

Information to assist in the identification of tools and tactics involved in current trends of vehicle crime.

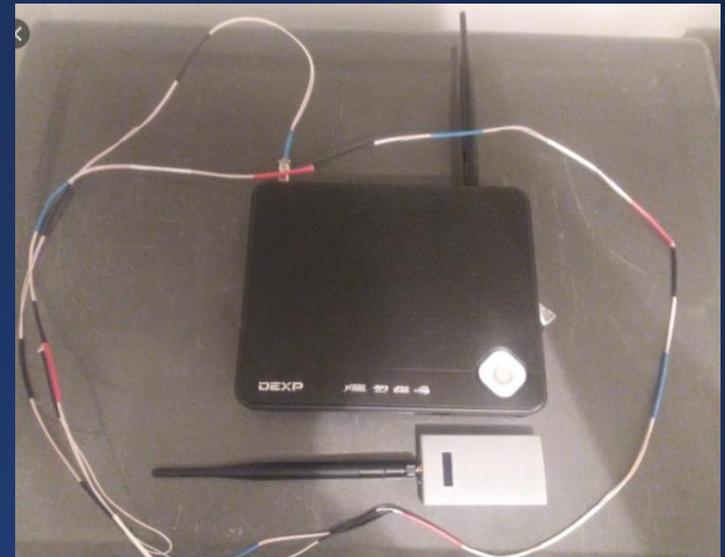
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# Relay Attack



A 'relay attack' is a method of amplifying the signal from the key so that the vehicle can communicate with it over a greater distance than is normally permitted. The types of equipment used to carry out relay attacks vary greatly, as most are 'DIY' or built with repurposed electronic devices such as DVD players or set top digital TV boxes.

Generally the equipment will have an electronic control box, which has a wire aerial / antenna attached to it, and a second receiver device. Due to the size of the device, and associated wiring, the equipment is usually stored within a rucksack, laptop bag or similar for ease of carry.



# Key Programmers



In order to steal a vehicle by way of key programming, the offender will require a programming device (generally manufacturer specific), and a blank key.

Once entry has been gained to the vehicle (whether that be forcing the lock, picking the lock, or smashing a window), the offender will connect the programming device to the On Board Diagnostic (OBD) port. With the device plugged in to the OBD port a blank key can then be coded to the car in around 15 seconds, and once programmed, the vehicle can be driven and locked as though they were in possession of the original key.

You should exercise caution as there are numerous OBD fault scanning devices with the same appearance as the programmer.

A Google search should be able to tell you what the device is capable to doing.



LAND ROVER JAGUAR KEY PROGRAMMING DEVICE  
£450.00



# Signal Jammers



The purpose of a signal jammer is to block any GPS signal from being transmitted from the vehicle. This would include tracking devices and on-board GPS telematics devices.

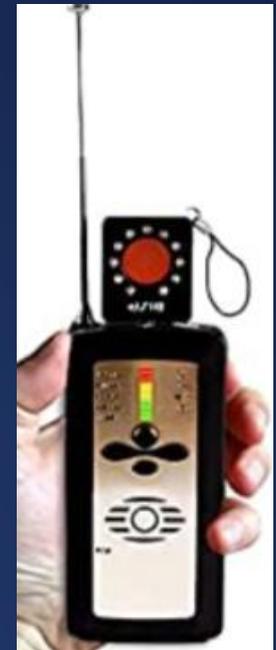
The equipment effectively creates a bubble around the vehicle, which prevents any signal leaving or reaching the vehicle. These are far more common than you may think, with uses ranging from drivers blocking the signals sent to insurers from their black boxes, thieves blocking tracker signals from stolen vehicles, to criminals blocking all signals within a chop-shop premises. It is an offence to **USE** one of these devices, but not to possess one, however there is **NO** good / legitimate reason to possess a signal jammer.



# Tracker Signal Locators / Bug Detectors



These devices can be used to identify if a vehicle has been fitted with a tracking device. It is capable of pinpointing the location of the tracking device with the vehicle so that it can be disabled by the offender.



# Tracking Devices / Lumps



It is also worth bearing in mind, that offenders have been known to fit their own tracking devices to vehicles of interest to them. Whether it be high value vehicles they plan to steal, or for other criminal purposes, the fitting of such a tracking device (also known as lumping), is easy, they are easily concealed on a vehicle and can be removed without trace.

The tracking devices are usually placed in a watertight plastic box fitted with powerful magnets.



# Lock Picks



Offenders are known to use lock picks in order to gain access to a vehicle, there are several different types of pick freely available to order online. The picks are manufacturer specific, as key profiles vary between makes of vehicle. These are the most common types:

**Ford / Jaguar / Land Rover specific pick,**

Available for £30 online. This tool requires skill and practice to operate.



**Turbo Decoder pick,** easy to use but delicate and expensive. Available for £400+ online.

**Ford Tibbe Pick** – relatively easy to use cheap and easily obtained online for around £30.

