



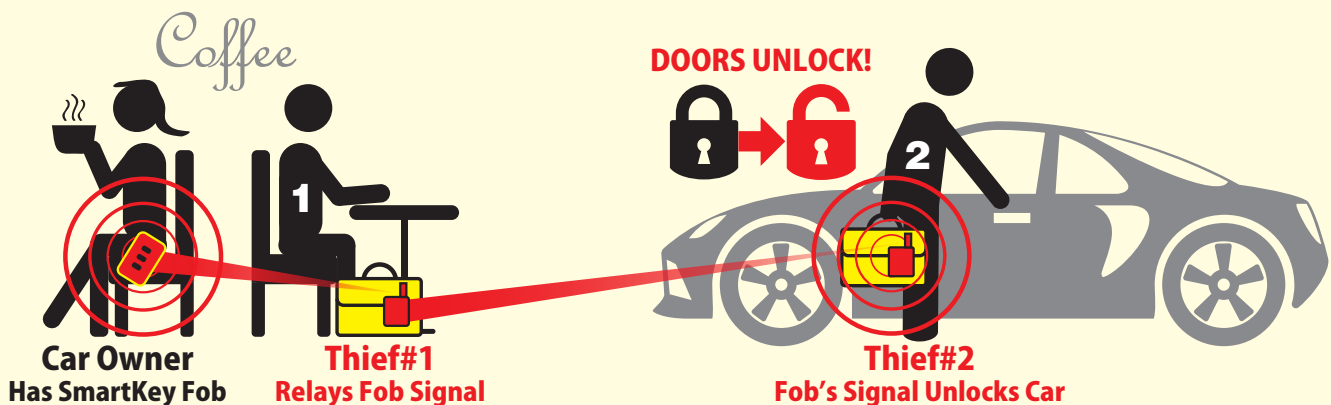
Relay Attack



“Relay Attack”?

Car manufacturers purposely design Keyless Fobs to have a *very short control range*. The fob must be in your pocket when you touch the outside door handle to Lock or Unlock, and the fob must be completely inside the car for you to Push Start the engine. If the range wasn't so short, anyone could touch your outside door handle to Unlock as long as the car continued to sense the wireless fob in your pocket.

A Relay Attack basically extends the range of the Keyless Fob to steal the car. One thief will get close to the driver who has the car's SmartKey Fob. Without even touching the fob, that thief wirelessly relays the fob's signal to a companion thief who stands near the car and who can then easily Unlock the doors or start the engine!



Many popular car security systems use the car's keyless entry system to Arm when you Lock and Disarm when you Unlock. The problem is that if thieves use a Relay Attack to Unlock the doors, your alarm system will Disarm!

VISION™ 1460 & 1480 systems can now* prevent Relay Attacks using either of 2 user-programmable methods. **Method-1** prevents Disarming by Unlock. Relay Attack thieves can still Unlock doors, but opening a door will trigger the 1460/1480's full siren blast; and if an optional Starter Kill Relay is installed, thieves won't be able to start the engine. You can still use Lock to Arm with Method-1 enabled, but Disarming requires use of either Manual Disarming (see Owner's Guide for details) or a VISION wireless remote (optional purchase). **Method-2** (*patent pending*) requires 2 presses of Unlock to Disarm. Method-2 is more convenient than Method-1, but you have the choice of using either. Simply put, VISION security systems can protect your car from Relay Attacks.

*1480 OS firmware T35 introduced Relay Attack Prevention Method-1. OS firmware T39 introduced Method-2 which requires Dec. 2017 or newer "vehicle" firmware† (currently, Toyota & Lexus only). 1460 firmware T14 introduced Method-1 & Method-2. † Does NOT support Auto Speed-Locking or Door Locking with an optional VISION remote.