



The Car Hacker's Handbook: A Guide for the Penetration Tester

Craig Smith

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Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack.

The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems.

Then, once you have an understanding of a vehicle's communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, Kayak, can-utils, and ChipWhisperer, *The Car Hacker's Handbook* will show you how to:

- Build an accurate threat model for your vehicle
- Reverse engineer the CAN bus to fake engine signals
- Exploit vulnerabilities in diagnostic and data-logging systems
- Hack the ECU and other firmware and embedded systems
- Feed exploits through infotainment and vehicle-to-vehicle communication systems
- Override factory settings with performance-tuning techniques
- Build physical and virtual test benches to try out exploits safely

If you're curious about automotive security and have the urge to hack a two-ton computer, make *The Car Hacker's Handbook* your first stop.

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Martin Williams:

People live in this new time of lifestyle always try to and must have the time or they will get great deal of stress from both everyday life and work. So , whenever we ask do people have extra time, we will say absolutely indeed. People is human not really a robot. Then we consult again, what kind of activity have you got when the spare time coming to you actually of course your answer will certainly unlimited right. Then do you try this one, reading books. It can be your alternative in spending your spare time, the actual book you have read will be The Car Hacker's Handbook: A Guide for the Penetration Tester.

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