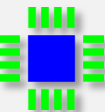


Defcon 23

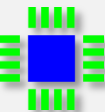
Car Hacking Village Badge

The Badge Game

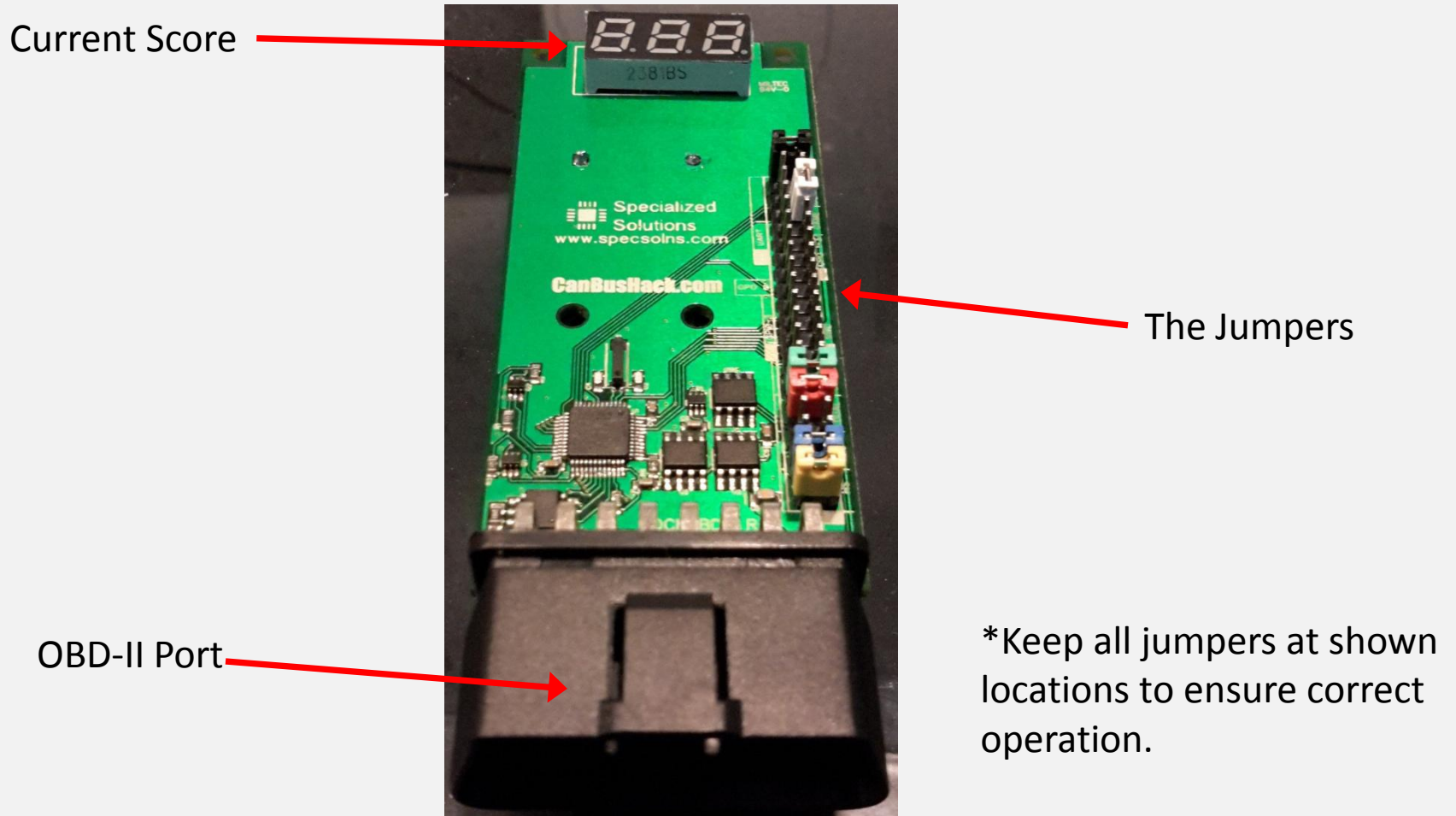


The Game

- Let's see how security-conscious the public is about OBD-II
- Try to plug into as many different cars as possible – brush up on your social hacking skills!
- Badge will keep track of unique car count
- Badge can dump accumulated cars to Village
- Scores will be maintained
- Prizes will be awarded



The Hardware



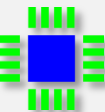
Jumper Details

- Make sure that the white jumper is on the “Game” setting!



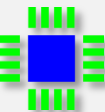
Score

- Everybody starts with a count of 1
 - This proved that the badge worked during testing
 - Nobody will get credit for this vehicle
- Duplicate vehicles recorded by the same badge will only count as one
- Duplicate vehicles recorded by different badges will “cancel” each other out
- Try not to get caught cheating
- Be sure to post cool pictures and experiences to Twitter
 - #CHVBadge
 - It might earn you extra credit



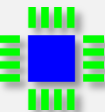
Village Syncing

- Plug into bot to dump vehicles
- May need to create a username on first sync
- Score will reset to zero after dump
- If three dashes are shown on badge –
 - you rock!
 - the badge is full and needs to be sync'd
 - Badge can hold 150 vehicles



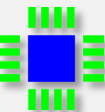
Getting Vehicles

- Make sure vehicle ignition is on
- Plug in badge into OBD-II port
- Display will say “VIN OK” when vehicle is recorded
- Will likely only work on 2008 and newer vehicles, but feel free to try on others
- If “VIN Err” is shown, then
 - Vehicle ignition is not on
 - Vehicle is too old
 - Something is goofed up on the OBD-II port
 - Badge is not fully plugged in



Fun Badge Details

- Badge is actually a fully-scriptable OBD-II tool
 - Embedded language is PAWN with custom routine library
 - <http://www.compuphase.com/pawn/pawn.htm>
- Be sure to attend my follow-on Village talks to learn about this



Questions?

- Feel free to talk to me, Nathan Hoch at the Village
- For the high-achievers, I want to know how you did it!

