Stuff done to my HTC Inspire 4G

BV

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These notes start after I've already put CyanogenMod 10 on my HTC Inspire 4G aka Desire HD aka "ace".

1   Get ADB talking

1.1   Install

On Ubuntu 14.04 install and test access

```
$ sudo apt-get install android-tools-*
$ adb devices
List of devices attached
```

1.2   udev permissions

```
# cat <<EOF > /etc/udev/rules.d/51-android.rules
SUBSYSTEM=="usb", ATTR{idVendor}=="0bb4", MODE="0666", GROUP="plugdev"
EOF
# addgroup bv plugdev
Adding user 'bv' to group 'plugdev' ...
Adding user bv to group plugdev
Done.
```

Still no contact

1.3   Debug/devel access in CyanogenMod

LOL "Enable developer mode by tapping on Build Number 7 times under Settings -> About Phone"

Then select "Android debugging" in "Settings -> Developer options". Turn on other useful looking stuff.

Closer:

```
adb devices
List of devices attached
???????????? no permissions
```

Oh, oops, I had the wrong vendor above (should be "0bb4" not "04e8", /var/log/syslog tells me, above fixed).

Now, replug USB and phone asks to accept computer's key.

```
adb devices
List of devices attached
HT144T201050 device
```

Sweet.

2 Install

2.1 ClockworkMod Recovery Touch 5.8.1.5

I have 5.0 now and I'm not able to install CM11 with it due to this error. That says I need CWMR 6, but 5.8 is the highest I can find to install. Latest ClockworkMod recovery are here. Following this:

```
$ adb reboot bootloader
$ fastboot flash recovery recovery-clockwork-touch-5.8.1.5-ace.img
sending 'recovery' (3554 KB)...
OKAY [  0.661s]
writing 'recovery'...
OKAY [  0.628s]
finished. total time: 1.289s
$ fastboot reboot
rebooting...

finished. total time: 0.161s
```

Now we try.

2.2 Try to upgrade to CyanogenMod 11

Reboot into recovery from "Developer options" enabled reboot menu or power off and VolDown+Power. Follow this. Unplug USB while doing so. I've already copied the CM11 image to SD.

Oooh, new CWM Touch is pretty....

Installing CM11 still fails with

```
Installing update...
set_metadata_recursive: some changes failed
E:Error in /sdcard/cm-11-20140621-UNOFFICIAL-ace.zip
(Status 7)
Installation aborted.
```

Reinstall the old CM10 image before leaving recovery.

2.3 Find CWM 6! ... ?

More searching finds this pointing to this.

But, some confusion over which file.

```
$  md5sum 6.0.4.*
c038c1d70c731f9774f6babf9d3c2ee7  6.0.4.5-cooper.zip
3c02e1d2cf6472c8edd4f66e43136dce  6.0.4.6-cooper_fix.zip
```

This seems sketchy. Cooper/ACE may not be the same as mine.

2.4 Another source

- Looking here points to here. Download latest released version

```
$ md5sum cm-11-20140609-UNOFFICIAL-BR4-ace.zip
fa5852804b8bf049ec61038a55a43b57  cm-11-20140609-UNOFFICIAL-BR4-ace.zip
$ unzip cm-11-20140609-UNOFFICIAL-BR4-ace.zip boot.img
$ mv boot.img  cm-11-20140609-UNOFFICIAL-BR4-ace-boot.img
```

get gapps minimal, md5 18840b64fecf8c460a249541b6fb69b7.

Copy both zips to phone via USB.

- VolDown+Power On to get to fastboot

- flash the extracted boot image

```
$ fastboot flash boot cm-11-20140609-UNOFFICIAL-BR4-ace-boot.img
sending 'boot' (3312 KB)...
OKAY [  0.622s]
writing 'boot'...
OKAY [  0.589s]
finished. total time: 1.211s
$ fastboot reboot
```

I had to replug USB to get this to work. Also after the `fastboot reboot`
I had to pull the battery.

- Enter Recovery

- `wipe data/factory reset`

- `wipe cache partition` (although the above does this)

- `advanced -> wipe dalvik cache`

- install the `cm-11-20140609-UNOFFICIAL-BR4-ace.zip boot.img`

fingers crossed.....
Success! woo hoo

- install GApps minimal

Rebootin' tootin' and we are good to go.

3   Upgrade to CM 12.1

- here is one succinct set of instructions

```
9044f63fc16cf7d4b8d1612652bf4844   openrecovery-TWRP-ace-2.8.6.1-unofficial.img
71bc66a23b289b382dbca2dd5b49ebc9   cm-12.1-20150701-UNOFFICIAL-ace.zip
0b2634b2d57aec091aaf451cfce01150   L_SPEED_V2.2_REVOLUTION.zip
dceef84c307c3565eabd014d675242a7   inspiremod-revamped-nobranding-20150303-signed.zip
2ad33a2f749a1edf9e20b89ce71f0ca1   gapps-511-base-20150701-1-signed.zip
```

Results:

- really slow boot times.

- slow system but seems to be getting faster.

- future updates can be done through OTA updates.