

**[Description]:**

How to recover some special adapter which is mistakenly detected as QC2.0

**[Platform]:**

MSM8998, SDM845, SDM660, SDM670

**[Solution]:**

Some non-QC protocol charger will have similar behavior on D+/D-, and caused it be detected as QC2.0 charger.

The result is, usbin collapse happens and usb is suspended because this special charger cannot output 9V like QC2.0

To recover it, can try to force 5V, disable SUSPEND\_ON\_COLLAPSE\_USBIN function, and then rerun AICL.

```
echo 0x1362 > address ;echo 0x5d > data //disable INOV (This should be done by voting true to  
hvdcp_hw_inov_dis_votable)
```

```
echo 0x1343 > address ;echo 0x08 > data //force 5V
```

```
echo 0x1380 > address ;echo 0x44 > data //disable SUSPEND_ON_COLLAPSE_USBIN
```

```
echo 0x1380 > address ;echo 0xc4 > data //enable SUSPEND_ON_COLLAPSE_USBIN
```

```
echo 0x1343 > address ;echo 0x80 > data //rerun AICL
```

This WA can also be used for some abnormal QC2.0 charger which failed to output 9V.