HowToCode7

COLLABORATORS

	TITLE : HowToCode7		
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REVISION HISTORY

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Contents

Chapter 1

HowToCode7

1.1 HowToCode: Kickstart

```
        Important Kickstart Differences on Amiga
        ----------------------------------------
```

There are major differences between the early kickstart machines
(Kickstart 1.2) and current releases (Kickstart 3.0/3.1)

Important differences:

Size: Kickstart 1.2 was 256Kb. Kickstart 3.0 is 512Kb

Offsets: *EVERYTHING* changes. Do not make any assumptions about
any data in rom, for example reset locations, topaz.font data
position.

Libraries: Many disk-based libraries under 1.3 are now in ROM, along
with disk-validator and other things....

Workbench: Workbench is much improved. Use it.

OS Functions: *Many* new OS functions in all libraries. Now much
easier to use, and faster. Much faster than under 1.2/1.3

How to check kickstart:

```
   move.l   4.w,a6
   move.l   LIB_VERSION(a6),d0
```

d0 now contains version number. Compare with the following (all
values in decimal)

V0 to V32   - Obsolete! No longer supported.

V33   - Kickstart 1.2

V34   - Kickstart 1.3 (1.2 with autoboot for HD)

```
V35              - Early beta-kickstart 1.4. Obsolete

V36              - Obsolete! Early V2.00-V2.03 supplied with Amiga 3000
                   Amiga 3000 owners should upgrade to at least V37

V37              - Kickstart 2.04. Final release version of Kickstart 2

(V38)            - Workbench 2.1 (exec.library should not show this
                   version. All true V38 libraries are disk based)

V39              - Kickstart 3.0

V40              - Kickstart 3.1 - Currently only in AmigaCD 32
```

Do NOT compare numbers directly, eg.

```
    cmp.w #39,d0
    beq   kickstart3
```

Always check for greater or equal... eg.

```
    cmp.w #39,d0
    bcc   kickstart3      (bcc = BHIS, branch higher or same, unsigned)
```