

**HowToCode7**

COLLABORATORS
---------------

	TITLE : HowToCode7		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		November 29, 2024	

REVISION HISTORY
------------------

NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>HowToCode7</b>	<b>1</b>
1.1	HowToCode: Kickstart . . . . .	1
1.2	How to make a RESET . . . . .	1
1.3	Trackloaders . . . . .	2

## Chapter 1

# HowToCode7

### 1.1 HowToCode: Kickstart

Miscellaneous hints and tips

- 1 How to make a RESET
- 2 Trackloaders

### 1.2 How to make a RESET

How to make a RESET

Here is the official routine supported by Commodore:  
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

```
INCLUDE "exec/types.i"
INCLUDE "exec/libraries.i"

; csect text                ; in lattice ASM
; section text,code         ; in Devpac/Argasm

xdef  _ColdReboot
xref  _LVOSupervisor

EXECBASE      equ 4
ROMEND        equ $01000000
SIZE_OFFSET   equ -$14

KICK_V36      equ 36
V36_ColdReboot equ -726
```

\_ColdReboot:

```

        move.l EXECBASE,a6
        cmp.w  #KICK_V36,LIB_VERSION(a6)    ;which Version of Exec ?
        blt.s  .old_kick                    ;old one -> goto old_kick

        jmp     V36_ColdReboot(a6)           ;else use Exec-Function

.old_kick:
        lea     .Reset_Code(pc),a5
        jsr     _LVOSupervisor(a6)          ;get Supervisor-status
        ;never reaching this point

        cnop 0,4                            ;very important
.Reset_Code:
        lea     ROMEND,a0                   ;Calc Entrypoint
        sub.l   SIZE_OFFSET(a0),a0
        move.l  4(a0),a0
        subq.l  #2,a0
        reset                                       ;Reset peripherie
        jmp     (a0)                             ;done
        ; <reset> and <jmp> in the same LONGWORD !!!!
END

```

### 1.3 Trackloaders

Trackloaders  
-----

Use CIA timers! DON'T use processor timing. If you use processor timing you will MESS UP the diskdrives in accelerated Amigas.

Use AddICRVector to allocate your timers, don't hit \$bfxxxx addresses!!!

On second thoughts. DON'T use trackloaders! Use Dos...