**Diagnostic LED**

**Blinks/  
Flashes**

**1 U25 RAM FAILURE** U25 RAM is not usable. (No other tests are performed; the game is locked here, until it is turned off).

**2 MEM. PROT. FAILURE** This message means that (A) the Coin Door may be shut; (B) the Memory Protect Switch may be stuck in the ON position;  
 (C) the memory protect logic is protecting the memory; or (D) a U25 RAM failure is occurring. (See Note 1)

**3 U51 PIA FAILURE** U51 has a malfunction. (see Note 2)

**4 U38 PIA FAILURE** U38 has a malfunction. (see Note 2)

**5 U41 PIA FAILURE** U41 has a malfunction. (see Note 2)

**6 U42 PIA FAILURE** U42 has a malfunction. (see Note 2)

**7 U54 PIA FAILURE** U54 has a malfunction. (see Note 2)

**8 U10 PIA FAILURE** U10 has a malfunction. (see Note 2)

**9 IRQ FAILURE** IRQ has a malfunction. It may be missing, or too fast, or too slow.

**10 U27 ROM FAILURE** U27’s internal checksums do not match. It may be a ROM failure, or see Note 2. (The following U26 Test is skipped.)

**11 U26 ROM FAILURE** U26’s internal checksums do not match.

Notes:

1. This test assumes that the Coin Door is OPEN; it is initiated ONLY  
   by pressing the CPU Diagnostic Switch (SW2).
2. Alternatively, its associated connections or connecting devices are  
   causing the IC to appear to have problems.

**16-8587-906**

**Display Message**

**Explanation**

**Diagnostic LED**

**Blinks/  
Flashes**

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**16-8587-906**

**Display Message**

**Explanation**

**Diagnostic LED**

**Blinks/  
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**16-8587-906**

**Display Message**

**Explanation**

Fonts used: Helvetica, Times New Roman.

Card size: 165x64mm

Diagnostic card 16-8587-906 confirmed (used in System 11).

Enjoy and have fun,

Peter

[www.inkochnito.nl](http://www.inkochnito.nl)

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