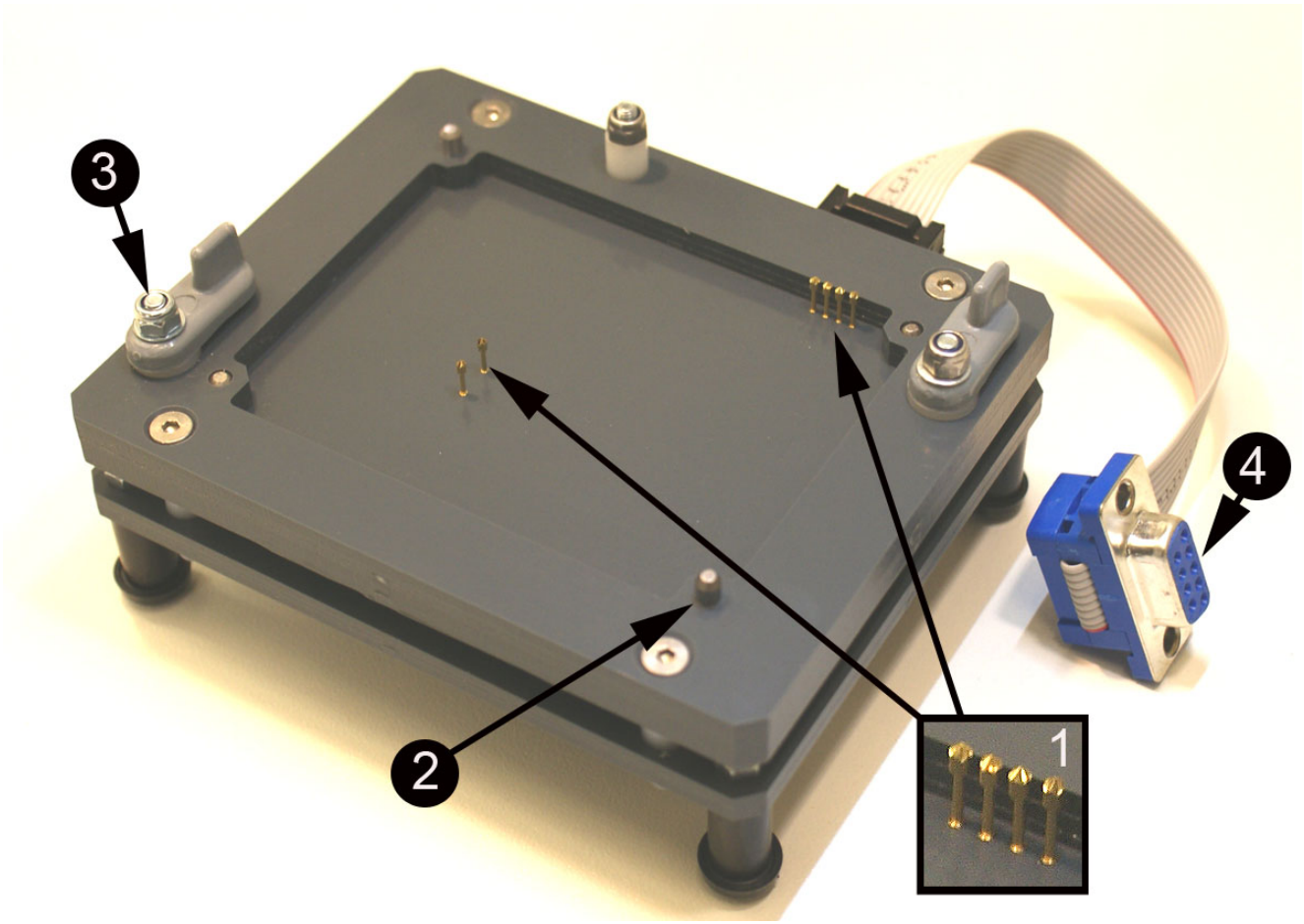
Mercedes WSP Solderless Programming Adapter

Version 2

Applicable to: ***All Mercedes Sprinter, Vito etc. models fitted with the WSP unit shown below, with HC08xxx micros***



- **Allows a suitable programmer to read / program the micro in the WSP unit in seconds.**
- **Uses the original manufacturer's test pads on the back of the PCB.**
- **No soldering or desoldering required.**
- **Precision made in the UK.**
- **Supplied with a connector for Codex / Elrasoft UPA programmers. (Programmer not supplied).**

Key Features:

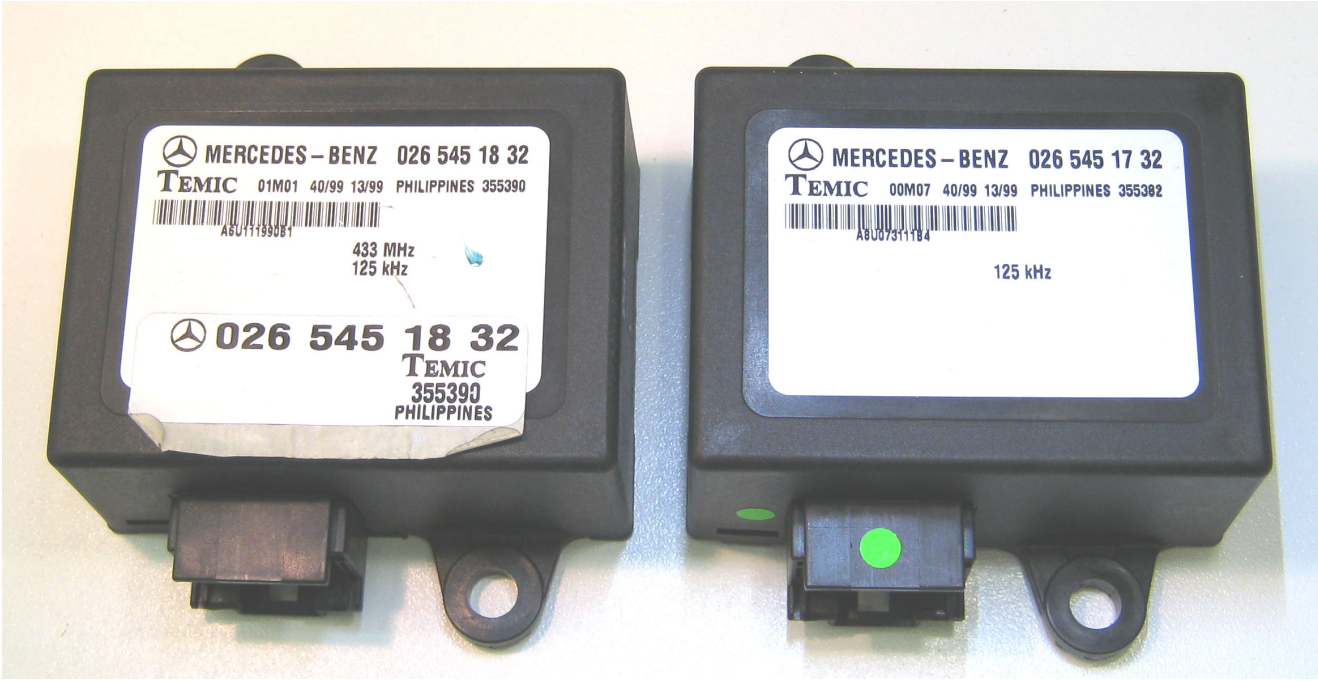
1) **Spring loaded contact pins**
2) **Steel location pins – use existing holes in PCB**
3) **PCB Hold-downs**
4) **9 Way 'D' Connector for programmer**

AVON DIAGNOSTICS Ltd, UNIT 17, ADMINGTON LANE UNITS, SHIPSTON ON STOUR, WARWICKSHIRE. CV36 4JJ Tel 01789 450808
sales@avon-diagnostics.co.uk Website: www.avon-diagnostics.co.uk

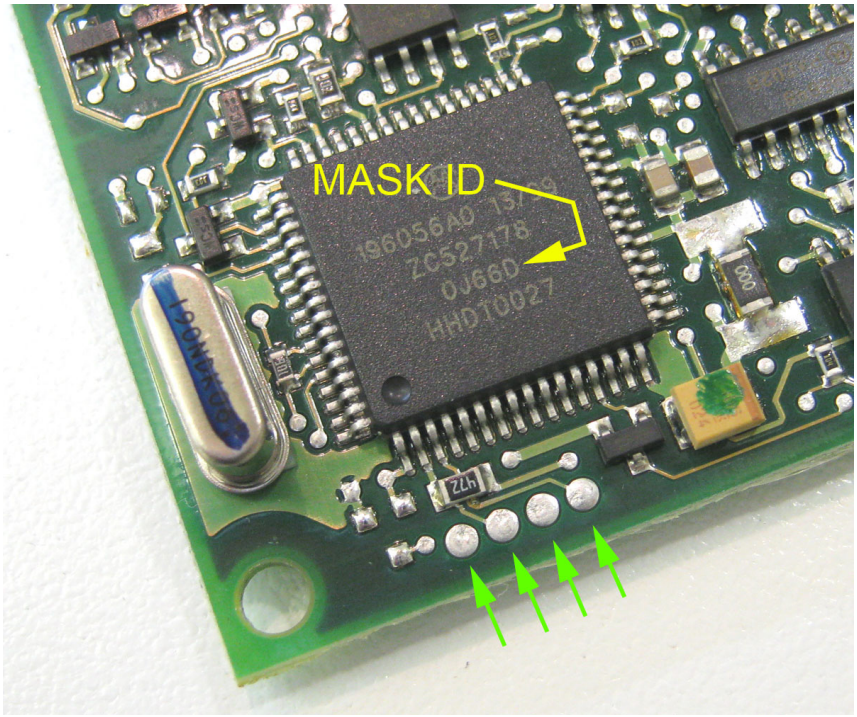
Instructions

1) Compatibility: Ensure that the WSP unit is compatible with the adapter.

The adapter will work with the versions that have an HC08 micro.



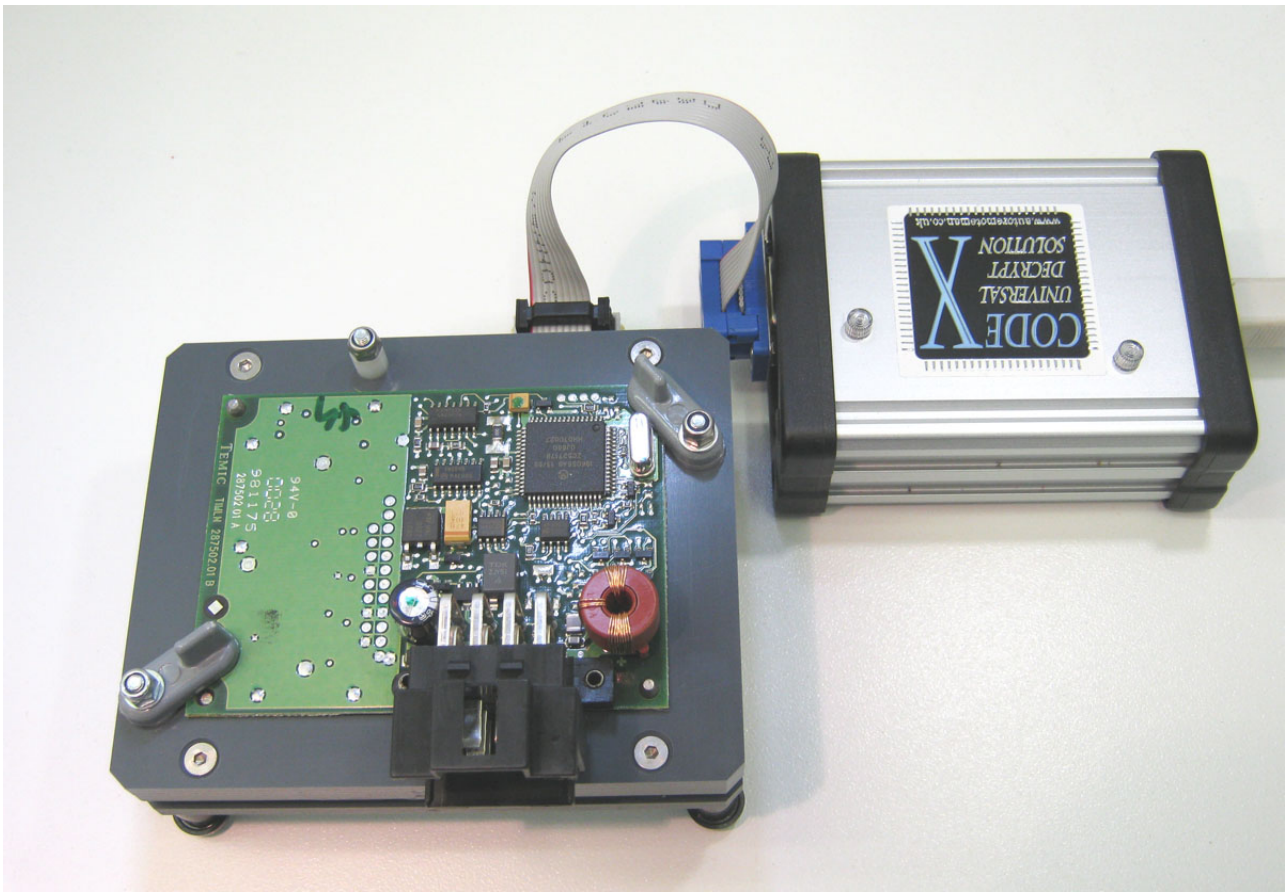
i.e. it is definitely compatible with the 2 units shown above, but as a more general rule, the micro in the WSP unit should be a HCx08 version, with the arrangement of pads shown below, indicated by the green arrows:



If in doubt, check the processor's Mask ID.

2) Mount the PCB on the Adapter, and secure it using the thumb latches.

Note that you can only fit the PCB onto the Adapter one way round.

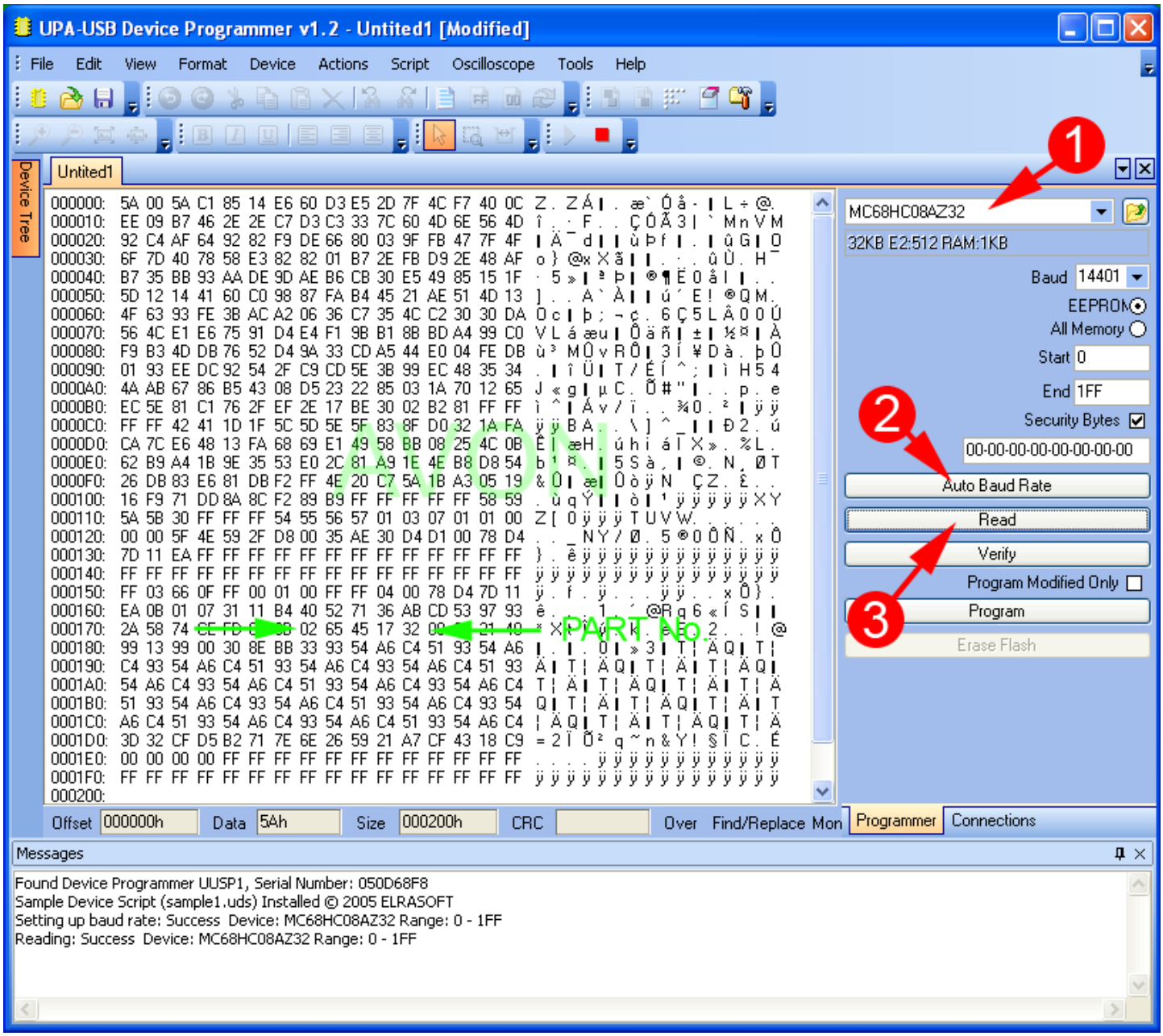


3) Once the programmer is connected, the micro can be read in the usual fashion, using your own programmer.

No power supply is required for the adapter. Power is supplied by the programmer, usually through its USB connection.

Example 1

Reading a memory dump from a WSP unit, part number 026 545 17 32, mask ID J66D no security feature set.



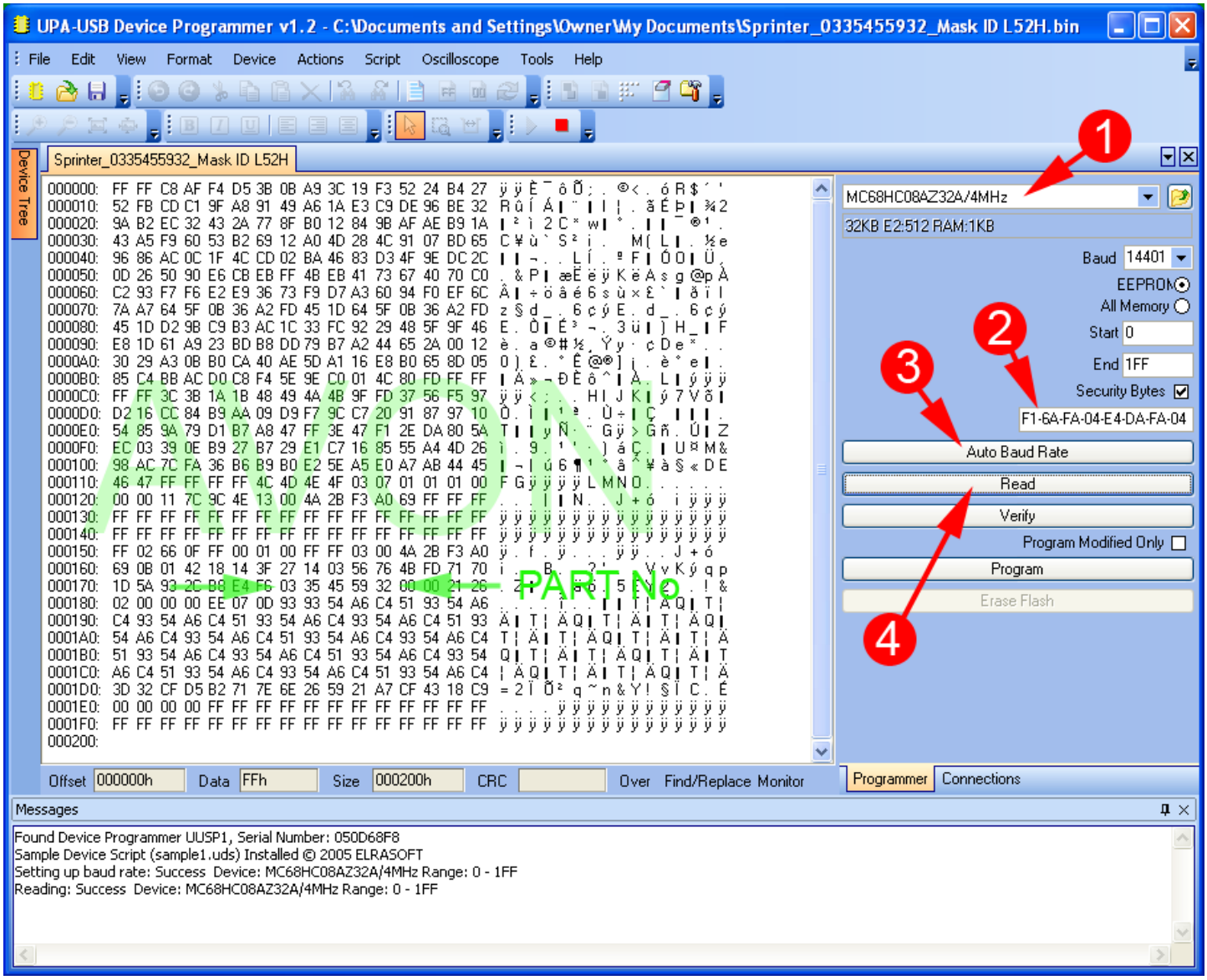
1 – Select MC68HC08AZ32
2 – Click on ‘Auto Baud Rate’. A baud rate of 14401 should be detected.
3 – Click ‘Read’

The part number appears in the dump as indicated.

The ‘Program’ button can be used to write data to the micro.

Example 2

Reading a memory dump from a WSP unit, part number 033 545 59 32, mask ID L52H with security feature set.



1 – Select MC68HC08AZ32A/4MHz
2 – Enter the security bytes: `F1-6A-FA-04-E4-DA-FA-04` in the box shown.
3 – Click on 'Auto Baud Rate'. A baud rate of 14401 should be detected.
4 – Click 'Read'

The part number appears in the dump as indicated.

The 'Program' button can be used to write data to the micro.