



MRMODULE.COM.AU

# HOLDEN MEMCAL INSTALLATION INSTRUCTIONS

## VN – VP – VR – VS – VT

Thanks for your purchase of a Mr Module replacement memcal. As your replacement doesn't use the original keyed header connector, it is possible to install it incorrectly. Please follow these notes to ensure correct installation.

The original memcal can be found behind the removable aluminium cover. There will be 2x hex or torx screws holding it place.

There are 2 different types, a "long" and "short" version, depending on PCM or ECU type. Long are used on VN to VR as well as VS V8. Short are used with VS V6, VS series 3 and VT applications.

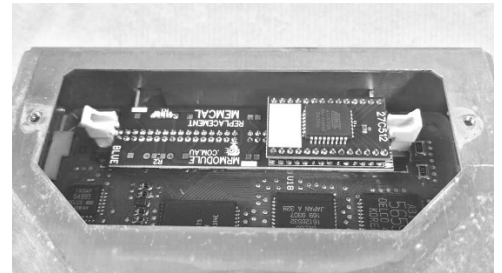
**Long type:** Pull the blue and white levers at each end away from the memcal, while lifting the memcal up to release it.

**Short type:** Squeeze the 2 fingers at each end to release the locking tabs while lifting the memcal out



## LONG TYPE

Insert the memcal so that the memory chip is towards the white lever end. There is "white" and "blue" printed on PCB, ensure they match the colour of the locking handles at each end.



## SHORT TYPE

Take note of the positions of the keyways in the socket. The new memcal has white markings on the PCB which align with these.

Note: There is also an extra pin next to pin 1 in the socket, which is not connected to the memcal.

