NIStune Type 2 Real-time Daughterboard Instructions

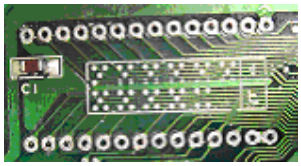
Warning! Static Sensitive Components

Be aware of static electricity when handling the daughterboard. Although it is very rare to cause immediate damage to components it can result in failure later on. This is true for all electronic equipment to some extent. Try to keep the board wrapped in antistatic bubblewrap or similar while transporting it and try to ground yourself to the ECU before fitment. While handling the board try to minimise activities like sliding around on synthetic materials (eg: car seats) or walking on carpet, which generate large amounts of static electricity.

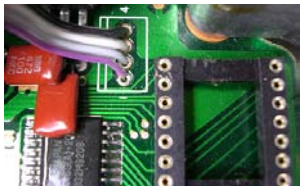
Fitting

a. Remove top and bottom from ECU

b. Using a cotton bud and acetone (or similar solvent) remove the conformal coating from around the ROM chip/s you need to remove. Remove solder from the ROM chip pins and 4 connector pads using a solder sucker.



c. Solder in 28 pin socket and connector cable.



Wire	HCR32	BNR32	Z32/M30	U12
1. (Marked)	Pad near 61	Pad 1	Pad D	Pad R/W
2.	...	Pad 2	Pad C	Pad A14
3.	...	Pad 3	Pad B	Pad A15
4.	Pad near 9	Pad 4	Pad A	Pad E

See Type 2 hardware installation document for detailed connector pin installation location.

d. Insert the NIStune board into the socket and connect the CPU connector to X1

e. To ensure the board does not come loose due to vibration, secure the board using a hot glue gun to the edges of the ECU or other ECU components where available.

f. Replace the ECU's covers and you're ready to go. All remapping is done via the Consult connector using NIStune software.