NIStune "Type 3" Daughterboard Fitting Instructions

Updated 24Jul08

Applicable vehicles: S13/U13/RNN14 SR20DET
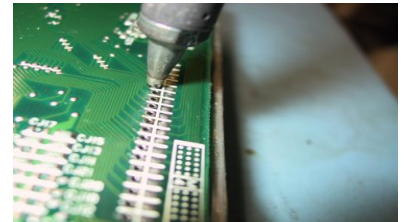   S14 (early) SR20DET
                              N14 SR20DE
                              S13 KA24DE
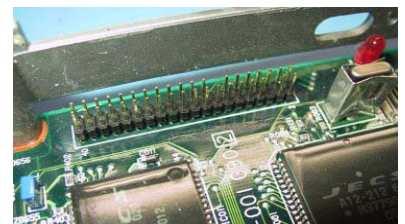   Z32 (late) VG30DE(TT)

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 both sides of the board where the 20+20 header will be fitted and from around the area of CJ1/CJ2 (or J010/J011 in case of the S14/Z32).

c. Remove solder from the 20+20 pads on motherboard where daughterboard will be fitted.

d. On rear of motherboard remove link from "**CJ1**" and fit it to "**CJ2**" (in case of S14/Z32 move **J011** to **J010**). This will make the ECU access the external maps (on the daughterboard) instead of using its internal (factory) maps.

e. Solder the 20+20 way header to the motherboard. The daughterboard now plugs directly onto this header. Make sure the pins line up correctly with the holes in the socket or damage may result. On S13 SR20 ECUs the board edge just touches the crystal on one side.

f. To ensure that the board does not come loose over time make sure you fit the self adhesive rubber strips. Stick the strips (on top of each other to get the correct thickness) to the lid of the ECU above the daughterboard. The daughterboard will then be pushed down firmly onto the rubber spacers when the lid is fitted. It is important that the board is located correctly or problems with the connector may occur – leading to intermittent operation.

g. Replace the ECU's covers and you're ready to go. All tuning is done via the Consult port using NIStune software.

PLEASE REFER TO NISTUNE TYPE 3 HARDWARE INSTALLATION MANUAL FOR MORE DETAIL
FULL DOCUMENTATION AVAILABLE AT www.nistune.com