

How to fit the Bits4Twos delimiter

If at anytime, you have difficulty fitting the unit, contact me by email at stefan.derner@ntlworld.com for support.

Tools required: Cross point and flat blade screwdriver, Small cutters to cut off a small plastic lug.



Firstly remove the ashtray, gear lever gaiter and its plastic surround. The plastic surround is a snap fit, just pull it up gently at the back. Lowering the steering gives you more room later on. Remove the 2 screws from behind the ashtray

Then the 2 hidden screws holding the lower section of the dash. These require removal before the stereo surround can be removed. Pull the lower section of the dash down an inch or so.



Pull the stereo surround off (snap fit) and reach behind to unplug the cigarette lighter power plug and hazard light switch plug. The cigarette lighter illumination bulb holder twists 90 degrees to allow removal. As you can see from the picture below, the hazard switch connector (larger white connector) has a security clip. This clip hides on the tight side (nearest the instruments and away from your eyes).


Make sure you squeeze it to release it.


The screws highlighted in the next image should now be removed. Remove the right hand dash trim. This is also a snap fit. The 2 screws in the following image should be removed.

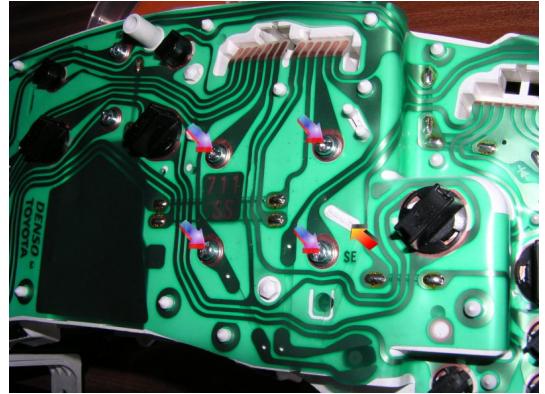
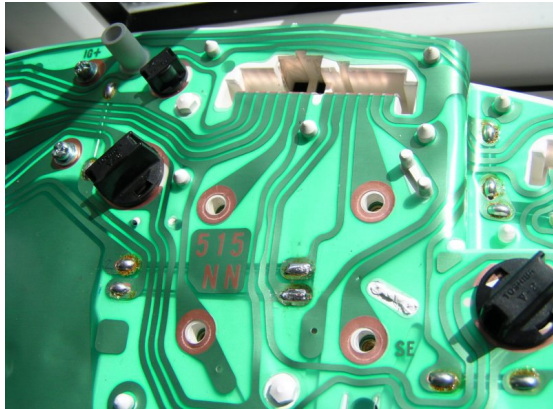


Remove the narrow trim above the cluster. You will now be able to remove the instrument cluster (reaching behind to unplug the various connectors). You'll find it easier to withdraw the cluster with the steering column set to its lowest position.

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Having removed the instruments from the dashboard turn them over and locate the flexi PCB alignment lug arrowed  and remove it.

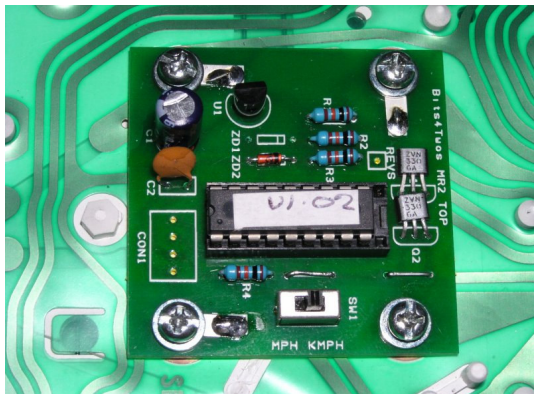
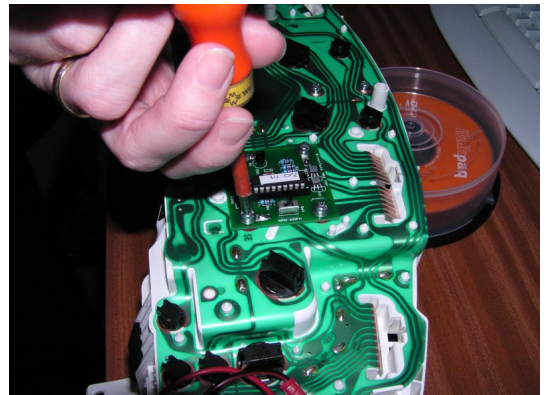
Remove the four screws  that secure the Speedo to the binnacle



If there are any sharp points on the two solder islands in the middle of the four screws smooth them now. If these islands are sharp and pierce the insulation on the delimiter it WILL damage the unit.

Fit the Delimiter PCB as shown; make sure it is the correct way up. It is marked "Top" at the top edge. The top edge goes nearest to the wiring connector.

Refit all the screws, tighten them all a couple of turns before tightening them securely. Take care not to over tighten them.



The switch is the conversion select switch, if you have an MPH Speedo fitted and you want to remove the speed limit but wish your Speedo to continue to read and count in miles, move the switch to MPH.

If you have a KMPH Speedo and wish to convert it to read and count in miles move the switch to KMPH.

MPH position = 1:1 output – NO conversion. Limit removed

KMPH position = 8:5 output – KMPH > MPH conversion. Limit removed

In both cases the 180KMPH / 112.5MPH speed limit is removed. Speed sensitive items are not affected. The delimiter can be set to carry out a self test each time the ignition is switched on, the Speedo needle will sweep to 120, drop to 60 and then to the rest. The self test can be switched off and on by moving the selector switch to the opposite position and back with the ignition on. Test by switching off the ignition and switching on again. (Do this before refitting the dash ;))

Thanks to PeteJ for the original "How to" remove the instruments, from which these instructions are derived.