

Injectronics

TECHNICAL BULLETIN

TOYOTA - VARIOUS

#T0019

Make: Toyota

Model: Various

Subject: ECM does not transmit fault codes

On many Toyota digital engine management systems the diagnostic mode is entered by connecting a link between T1 and E1 in the diagnostic connector.

However, sometimes the ECM will not generate any fault codes, even a steady flash, system pass, which indicates the system is Ok. On inspection it can be seen that all supplies (+12 volts and grounds) are within specification and the ECM light is functional, but no codes are available.

If the above situation exists it has been found that the TPS may be out of adjustment or even faulty. Often to overcome idle problems the throttle stop is adjusted, when inspecting a vehicle that will not provide diagnostic codes ensure that the throttle stop has not been tampered with because this will open the IDL - E2 contacts. If the contacts on the TPS are open, indicating an "off idle" condition the ECM will not transmit fault codes. Correct adjustment or even replacement of the TPS may be necessary before codes will become available.

It may also be necessary to recheck the ignition timing after the TPS has been correctly adjusted, in case the timing had previously been set when the TPS contacts were open. The base timing must be set with the TPS contacts, IDL-E2 closed. The diagram for the TPS is provided below.

THROTTLE POSITION SENSOR

