

**THE COLT CAR COMPANY**

DATE	20 March 2008
NUMBER	SNL-2008-13-004
MODEL	Shogun (CK), L200 (P), Shogun Sport (P45)
GROUP	Fuel (13)
SUBJECT	Idle Learning Procedure After ECU/Battery Disconnection
TYPE	Newsletter

Condition:

Whenever the vehicle's battery is disconnected or the engine ECU is disconnected, the idle learning procedure will need to be carried out as the ECU memory will be re-set.

Affected Vehicle Range:

- Models - Shogun (CK) With 4M41 Engine
L200 (P) and Shogun Sport (P45) With 4D58 Engine
- VIN/Chassis Number - All
- Markets Concerned - All

Field Fix:

In the event that a vehicles battery or engine ECU needs to be disconnected, please carry out the idle learning procedure using the following methods:

4M41**Idle learning with A/C:**

- 1) Warm up the engine and ensure that the coolant temperature is greater than 78°C (Ideally the temperature should be over 80°C as a precaution to be sure that it doesn't drop below 78°C).
- 2) Close all the doors/windows and warm up the interior by setting the temperature to the hottest position, with the A/C off, and the fan speed set to the maximum speed.
- 3) After the interior has been completely warmed up, set the temperature to the coolest position, switch the A/C on, and keep the fan speed set to the maximum speed.
- 4) Allow the engine to idle for at least one minute (In position "N" on vehicles with automatic transmission).
- 5) On vehicles with automatic transmission only, continue to allow the engine to idle for another minute with the vehicle in "D" (ensure that the foot brake and hand brake are firmly applied during this period to prevent the vehicle from moving forwards).
- 6) Set the temperature to the middle temperature setting and carry out steps 4 and 5 again.
- 7) If the vehicle is equipped with option X05 'Idling enhancement device for heater without heater switch' (Note: No official UK vehicles were supplied with this option), set the temperature to the hottest position, ensure that all electrical loads are switched off and then switch the heat switch on (the heat switch is in the dashboard near the steering wheel, as can be seen in 55A-40 of the Workshop Manual). Then carry out steps 4 and 5 again.
- 8) After the idle learning procedure has been completed, confirm the idle quality and engine RPM fluctuation. I.E. Engine speed increases slightly when the air conditioning compressor cuts in, or when the heat switch is switched on/off.
- 9) If the idle quality is normal, then idle learning procedure has been completed correctly.
- 10) If idle quality is not normal, repeat the above steps.

Note: This Newsletter is not an authorization to retrofit all vehicles. If you have any questions regarding this Newsletter, please submit a Technical Service Request (TSR) to the Technical Services Department.