



TECH TIPS

Dixie Part Numbers: A-8938 and A-80050

Applications: 2002 – 2003 Kia Spectra

Condition: Customers may complain that the vehicle is hard to start, especially in temperatures in excess of 27°C. Once started the engine operates normally.

Cause: The ECM logic may be causing the condition.

Correction: The ECM may require replacing or reprogramming depending on the model year as shown in the table below. Ensure that the vehicle ROM contains the ECM and program shown below or newer.

Model Year	Production ECM	Replacement ECM	Production ROM	Updated ROM
2002	0K2NA 18 881	Not required	F2D8NS1C	F2D8NS3C
	OK2NA 18 881A	Not required	F2D8NS2C	F2D8NS4C
2003	39111 2Y600	39111 2Y610	F3D8NS0C	F3D8NS1C