



# TECH TIPS

**Dixie Part Numbers:** S-80003

**Applications:** 2003 – 2004 Kia Rio 1.6L

**Condition:**  
The vehicle operator may complain of hard starting in cold climates.

**Cause:**  
The ECM may not be programmed to operate correctly in cold climates.

**Correction:**  
Verify that the ECM has been updated before troubleshooting for other issues. The table below shows the updated ROM information for the ECM. Check that the ECM contains this or a newer update.

| Model Year | Engine  | ECM (ECU)    | Factory ROM information | Updated ROM information |
|------------|---------|--------------|-------------------------|-------------------------|
| 2003       | 1.6DOHC | 39110 2X 131 | B3D6CN00                | B4D6CN01                |
|            |         |              | B3D6CN01                |                         |
| 2004       | 1.6DOHC | 39110 2X 131 | B4D6CN00                |                         |