



KIA MOTORS

GROUP
Engine

MODEL
2008 Rio / Rio5 (JB)

NUMBER
066

DATE
April 2010

TECHNICAL SERVICE BULLETIN

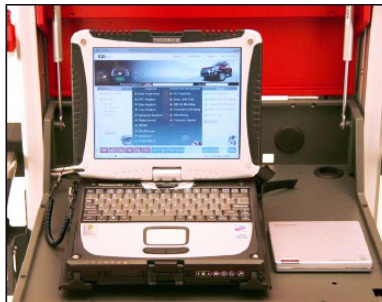
SUBJECT: COMBINED TSB/SERVICE ACTION: ECM UPGRADE FOR MULTIPLE DTC'S LISTED P0300, P0128, P0140, P0451, P0461(SA 036)

This bulletin provides the procedure to upgrade the Engine Control Module (ECM) of some 2008 RIO/RIO5 (JB) 1.6L vehicles produced June 12, 2007 to June 30, 2008 (MAP sensor vehicles only) which may experience a rough idle during initial cold start-up period or illuminate the MIL with DTC's below. The ECM update addresses engine misfire that may occur in the first minute of idle after cold start with coolant temperature ranging from 30-70° F and other indicated upgrades referenced below. If engine misfire continues beyond this period refer to service manual diagnostic procedure for engine mechanical and engine control hardware issues. For confirmation that the upgrade has been done to a vehicle you are working on, verify ROM using the following TSB.

To improve customer satisfaction, Kia is requesting the following Service Action on all affected 2008 Rio/Rio5 (JB) vehicles.

For vehicles not on the VIN list (not listed VIN report), but with a customer complaint; perform the following procedure as outlined in this bulletin and submit a warranty claim per "customer concern" (see information on page 5).

- **P0300:** Random/Multiple Cylinder Misfire Detected
- **P0128:** Fuel System Pressure - Below Normal
- **P0140:** Oxygen Sensor Circuit No Activity Detected (Bank 1, Sensor 2, stored in memory)
- **P0441:** Evaporative Emission Control System Leak Detected (Small Leak)
- **P0451:** Evaporative Emission Control System Pressure Sensor/Switch Range Performance
- **P0461:** Fuel Level Sensor "A" Circuit Range/Performance



Global Diagnostic System (GDS)

To correct this condition, the ECM should be reprogrammed using the GDS download as described in this bulletin.

File Under: Engine

- Circulate To: General Manager Service Manager Parts Manager
 Service Advisor(s) Technician(s) Body Shop Manager Fleet Repair

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7. When the GDS tool reports that the ECU upgrade has been successfully completed, click OK, turn OFF the ignition key, and wait at least 10 seconds before attempting to start the engine.
8. Check for Diagnostic Trouble Codes using the GDS and erase any DTCs stored **due to CAN Line communication during reprogramming.**

AFFECTED PRODUCTION RANGE:

Model	Production Date Range
2008 Rio / Rio5 with 1.6L engine	June 12, 2007 to June 30, 2008

SERVICE ACTION WARRANTY CLAIM INFORMATION:

The affected Service Action vehicles are listed on the "Not Completed Recall VIN Report".

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty
V	39110 26BG6	0	N69	C40	(SA 036) ECM Upgrade – CAN-line	100014R0	0.2 M/H	N/A	0

Note: Only one Labor Op can be claimed.

STANDARD TSB WARRANTY CLAIM INFORMATION:

Use this information only to file a warranty claim for vehicles for which:

1. A customer complains of the same concern.
2. The VIN does not appear on the "affected vehicles" list for Service Action SA 036.
3. The vehicle model year and production date range are identified in this bulletin.

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Replacement Part No.	Qty
W	39110 26BG6	0	N69	C40	(TSB 066) ECM Upgrade – CAN-line	39110F92	0.2 M/H	N/A	0

Note: Only one Labor Op can be claimed.

*NOTICE

VIN Inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA 036 when accessing their Dealer Communications System (DCS).