



VOLUME

3

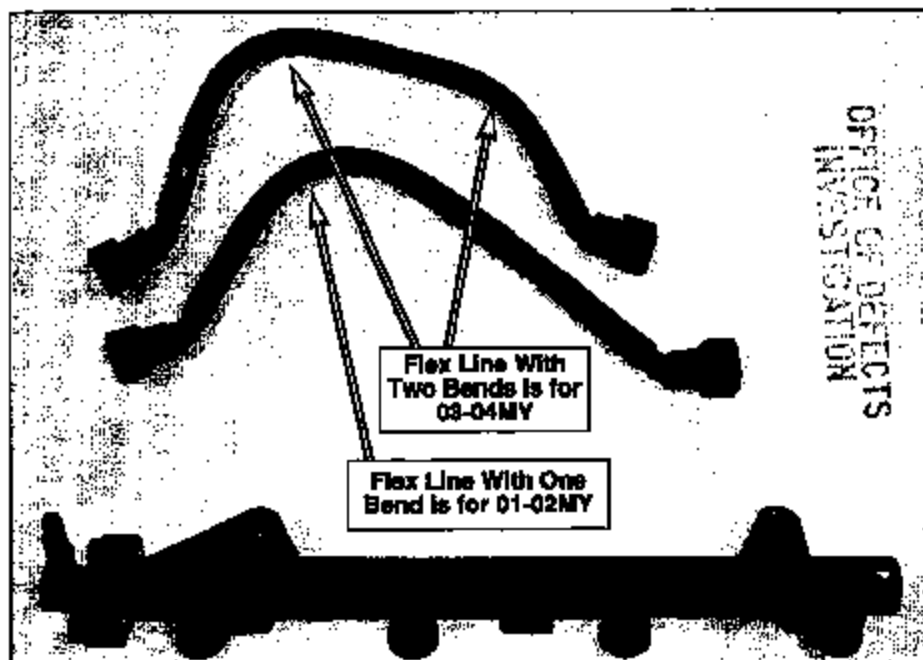
GROUP
CampaignNUMBER
036MODEL
Rio/Rio CincoDATE
June 2004

Technical Service Bulletin

SUBJECT**Safety Recall: Rio/Rio Cinco Fuel Distributor Replacement**

This bulletin provides information relating to a recall campaign to replace the fuel distributor and flexible fuel line on certain 2001-2004MY Rio/Rio Cinco models.

Some Rio vehicles produced from 5/4/00 through 3/31/04 may develop a crack in the fuel inlet fitting on the fuel distributor resulting in a fuel leak. To prevent possible leakage a new fuel distributor has been made available with a steel inlet fitting and an improved flexible fuel line.

*** NOTICE**

There is no charge to the customer for this repair. Under applicable law, you may not sell or otherwise deliver any affected 2001-2004MY Rio or Rio Cinco until it has been repaired, pursuant to the procedures set forth in this bulletin.

File Under: Campaign

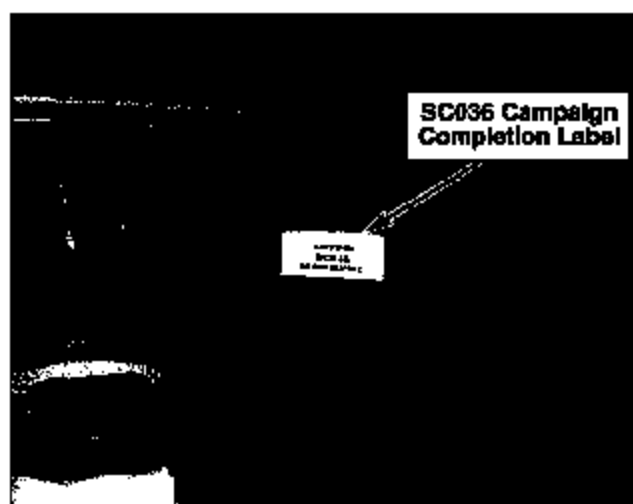
Circulate To: ☒ General Manager ☒ Service Manager ☒ Parts Manager
☒ Service Advisor(s) ☒ Technician(s) ☒ Body Shop Manager

SUBJECT:

Rio Fuel Distributor Replacement

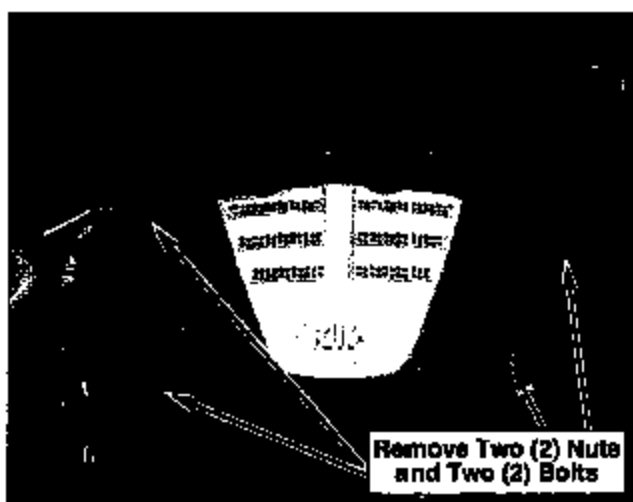
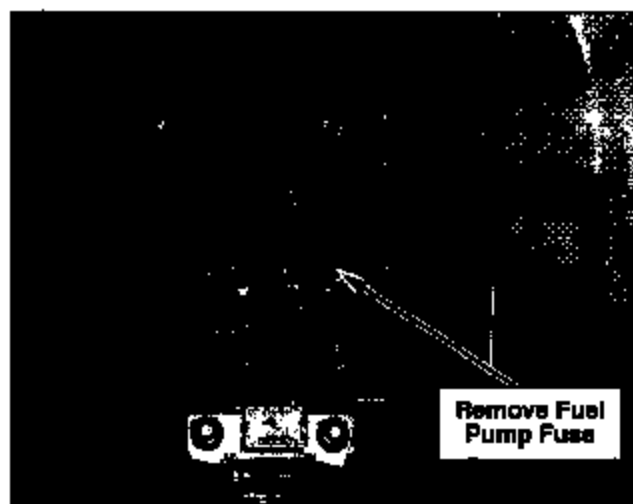
INSPECTION PROCEDURE:

1. Open hood and check for SC036 Campaign Completion Label on bulkhead above master cylinder.
- If label exists, NO FURTHER ACTION IS REQUIRED.
- If label DOES NOT EXIST, continue on to REPLACEMENT PROCEDURE.



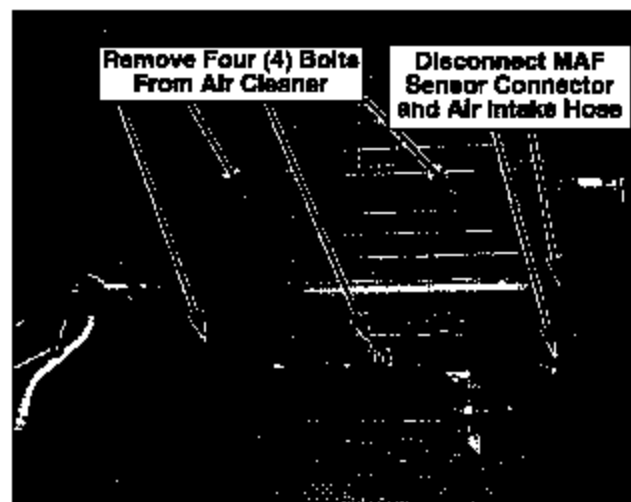
REPLACEMENT PROCEDURE:

1. Open hood, remove fuse box cover and remove fuel pump fuse. Attempt to start engine, crank engine for an additional 10 seconds to remove fuel pressure.
2. Turn ignition key off, reinstall fuse and fuse box cover.
3. Remove two nuts and two bolts securing engine cover, remove engine cover.

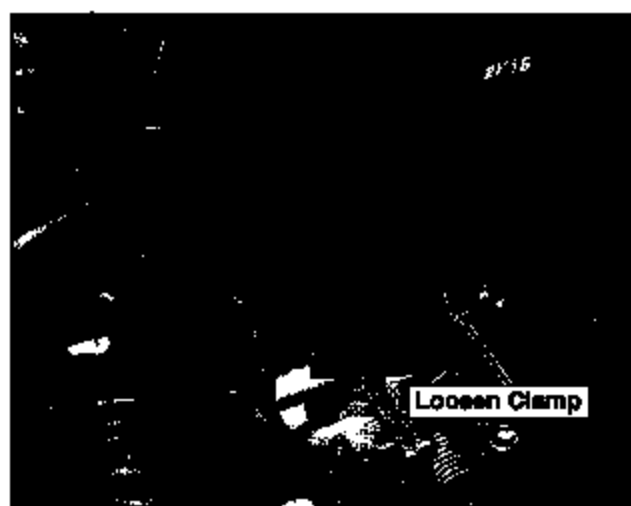


SUBJECT:**Rio Fuel Distributor Replacement**

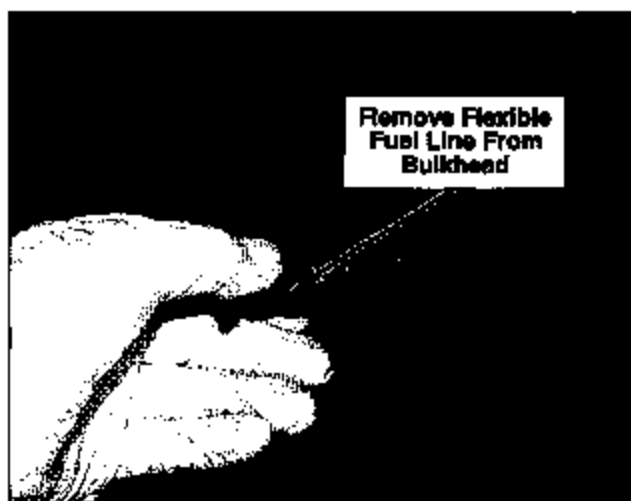
4. Disconnect MAF sensor connector, loosen clamp at air intake hose and remove hose from air cleaner.
5. Disconnect crankcase vent hose from head cover.
6. Remove four bolts securing air cleaner.



7. Loosen clamp at throttle body hose.
8. Remove air cleaner.



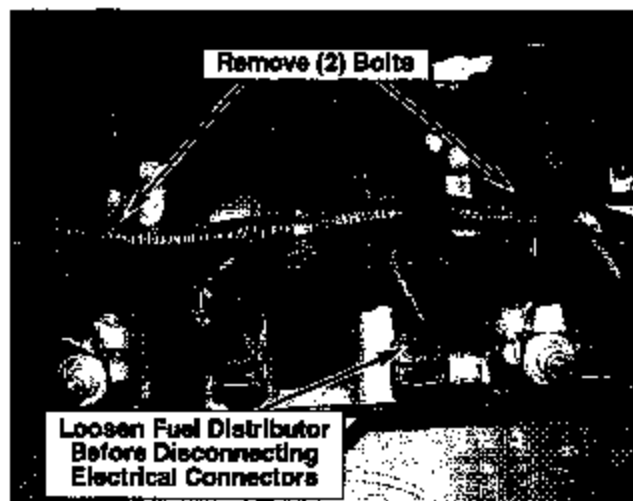
9. Remove flexible fuel line at bulkhead end by pushing line toward bulkhead and installing fuel line removal tool (see TSB Fuel 005, Quick Connect Fuel Line Tool). Pull gently on tool and flexible line to remove from steel line. (Use a shop towel to catch any residual fuel.)



SUBJECT:

Rio Fuel Distributor Replacement

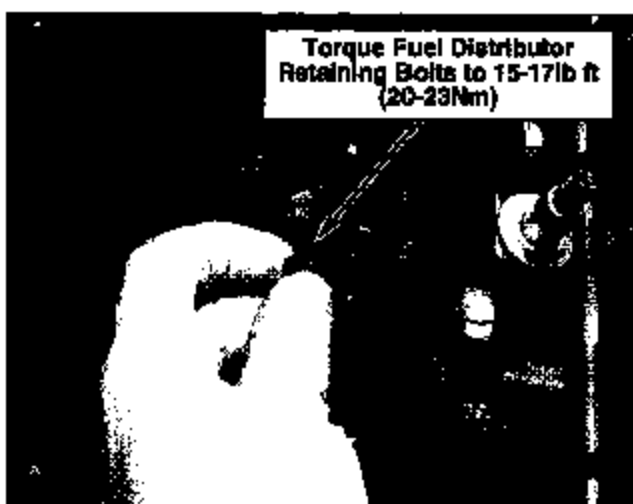
10. Remove two bolts securing fuel distributor to intake manifold.
11. Gently pry injectors loose from intake manifold.
12. Disconnect injector connectors and detach injector harness retainers from fuel distributor.



13. Drain fuel from fuel distributor into an approved container.
14. Remove injector retaining clips from fuel distributor and remove fuel injectors.
15. Install new upper 'O' rings (included in kit) onto fuel injectors, reinstall fuel injector retaining clips.
16. Lubricate upper 'O' rings with clean engine oil and install injectors into new fuel distributor.

Note: Use only clean engine oil to lubricate injector 'O' rings, the use of grease may plug injector screen resulting in a misfire.

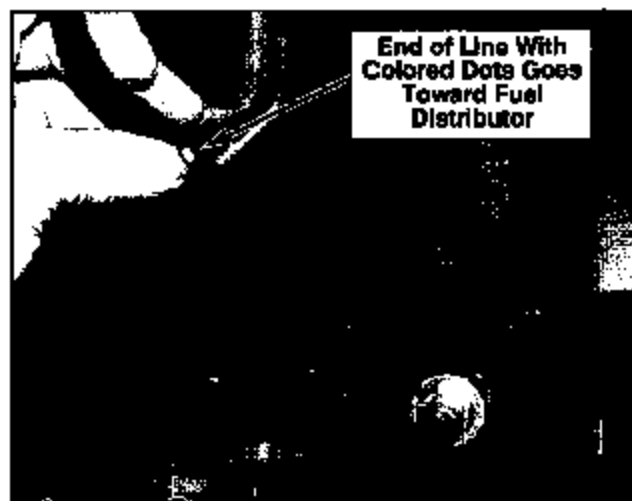
17. Lubricate lower 'O' rings (NOT included in kit) with clean engine oil, reconnect injector electrical connectors before installing fuel distributor onto intake manifold.
18. Install fuel distributor retaining bolts, torque to 15-17lb ft (20-23Nm).
19. Reattach injector harness retainers.



SUBJECT:**Rio Fuel Distributor Replacement**

20. Install new flexible fuel line by pushing onto fittings until a click is heard, pull gently to test.

Note: End of line with colored dots goes toward fuel distributor.

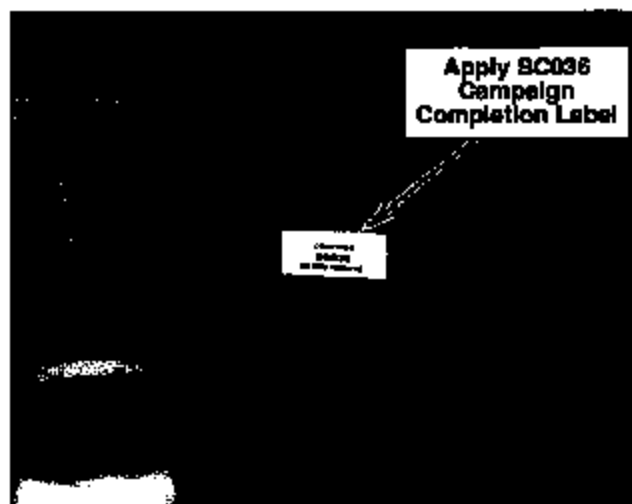


21. Reinstall air cleaner and engine cover in reverse order of removal.

22. Turn ignition key on to cycle fuel pump, check fuel distributor for leaks, start engine and check again for leaks.

23. Install SC036 Campaign Completion Label onto bulkhead above master cylinder.

Note: The fuel pressure test port was intentionally left off the new fuel distributor. Use fuel pressure test adapter 'D' to test fuel pressure at the quick disconnect located at the bulkhead end of the new flexible fuel line.



SUBJECT:**Rio Fuel Distributor Replacement****FOR CALIFORNIA, MASSACHUSETTS, VERMONT, AND MAINE DEALERS:****VEHICLE EMISSION RECALL - PROOF OF CORRECTION CARD**

A Vehicle Emission Recall - Proof of Correction card **must be** filled out for all vehicles registered in California, Massachusetts, Vermont, and Maine.

California, Massachusetts, Vermont, and Maine residents who own an affected vehicle will be required to possess a **Vehicle Emission Recall - Proof of Correction** card as evidence of voluntary service campaign completion when they apply for vehicle registration renewal.

WHAT TO DO WITH THE CARD:

Each customer whose vehicle is registered in California, Massachusetts, Vermont, and Maine must be **given** a completed **Vehicle Emission Recall - Proof of Correction** card after the voluntary service campaign has been completed.

Note: This card MUST be completed by the Dealership's Service Manager using a permanent ink pen. A fine point pen is recommended. When filling in the information, copy the information directly from the vehicle, NOT the repair order. ALL INFORMATION MUST BE PRINTED AND NEAT.

DO NOT COMPLETE THE CARD UNLESS THE SERVICE CAMPAIGN WORK IS COMPLETED!

The copy of the card shown below indicates the areas to be filled in.
Each area must be filled in.

Vehicle Emission Recall - Proof of Correction									
Enter Vehicle's License Number	Enter Make	Enter Vehicle's Model Year	Enter Vehicle's Model Name (i.e. Rio)	Enter Vehicle's VIN No.					
License Number	Make	Year/Model	Body Type	Vehicle Identification Number					
Manufacturer: <u>Kia Motors America, Inc.</u>				Recall Number: <u>SC036</u>					
The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws and for vehicles sold in Massachusetts, Vermont and Maine.									
Dealers Name		Address, City, State and Zip							
Date	Dealership Authorized Signature								
Return this certificate to DMV <u>only</u> when required— otherwise retain for your records.									
Enter Dealership's Name	Enter Date of Repair	Sign Here	Enter Dealership's Physical Address (NOT Mailing Address)						

SUBJECT:**Rio Fuel Distributor Replacement****AFFECTED PRODUCTION RANGE:**

Some 2001-2004MY Rio/Rio Cinco vehicles with production dates 5/4/00 through 3/31/04.

PART NUMBER INFORMATION:

Note: An initial inventory of the Fuel Distributor Kits will be shipped to all dealers to coincide with the recall announcement.

Description	New P/N
Fuel Distributor Kit 01-02MY	Q0K30 E1315X1Q
Fuel Distributor Kit 03-04MY	Q0K30 E1315X2Q
SC036 Campaign Completion Labels*	UR040 SC036
SC036 Proof of Correction Card*	UR041 SC036

*Extra completion labels in sheets of 20 and Proof of Correction cards are available at no cost through the KMA parts system or your DPSM.

WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty.	Cond. Code	Cause Code	Repair Description	Labor OP Code	Time	Related Parts	Qty.
R	Q0K30E 13150	0	C99	N99	Replace Fuel Distributor & Flexible Fuel Line	04R017R0	0.4	Q0K30 E1315X1Q	1
								Q0K30 E1315X2Q	1



VOLUME

3

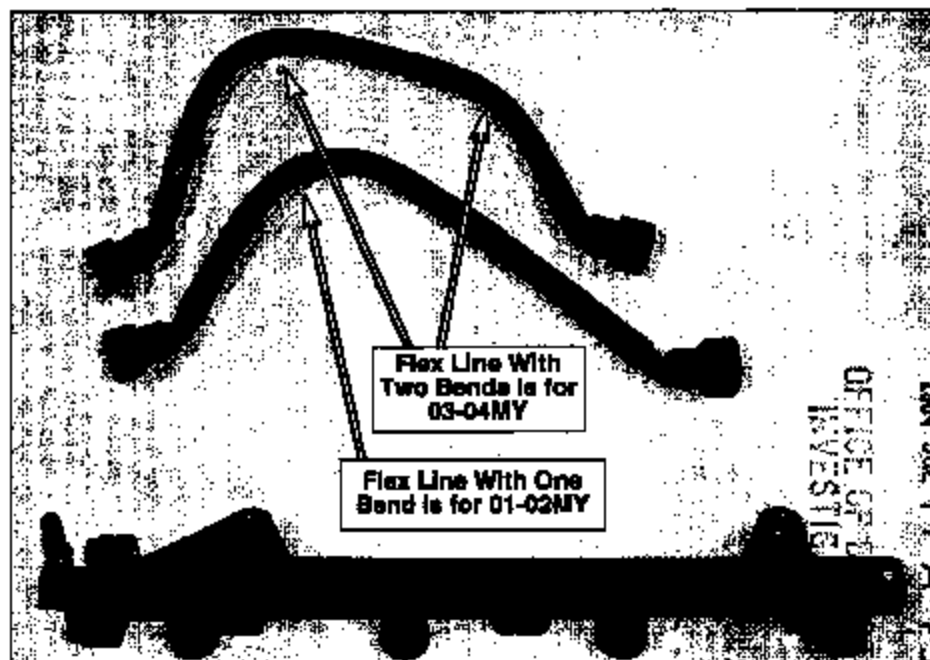
GROUP
CampaignNUMBER
036 (Revised)MODEL
Rio/Rio CincoDATE
June 2004

Technical Service Bulletin

SUBJECT**Safety Recall: Rio/Rio Cinco Fuel Distributor Replacement**

This bulletin provides information relating to a recall campaign to replace the fuel distributor and flexible fuel line on certain 2001-2004MY Rio/Rio Cinco models.

Some Rio vehicles produced from 5/4/00 through 3/31/04 may develop a crack in the fuel inlet fitting on the fuel distributor resulting in a fuel leak. To prevent possible leakage a new fuel distributor has been made available with a steel inlet fitting and an improved flexible fuel line.

*** NOTICE**

There is no charge to the customer for this repair. Under applicable law, you may not sell or otherwise deliver any affected 2001-2004MY Rio or Rio Cinco until it has been repaired, pursuant to the procedures set forth in this bulletin.

File Under: Campaign

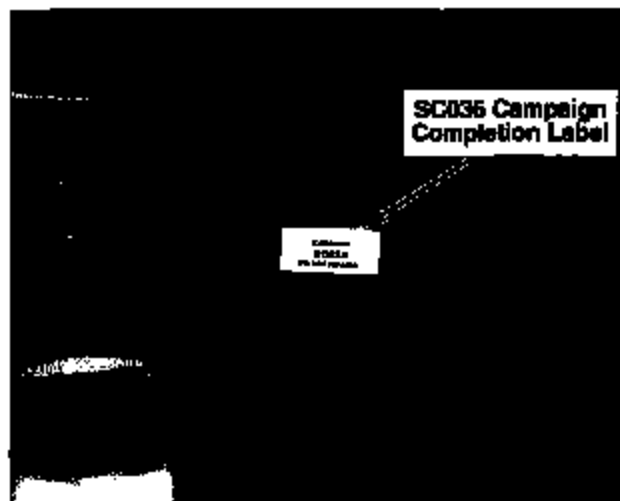
Circulate To: ☒ General Manager ☒ Service Manager ☒ Parts Manager
☒ Service Advisor(s) ☒ Technician(s) ☒ Body Shop Manager

SUBJECT:

R/o Fuel Distributor Replacement

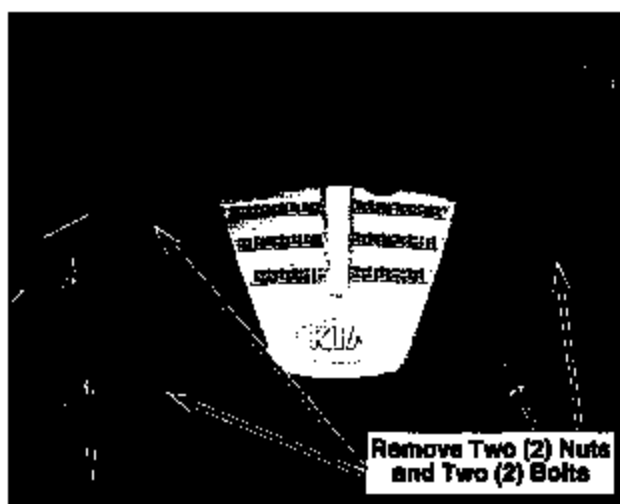
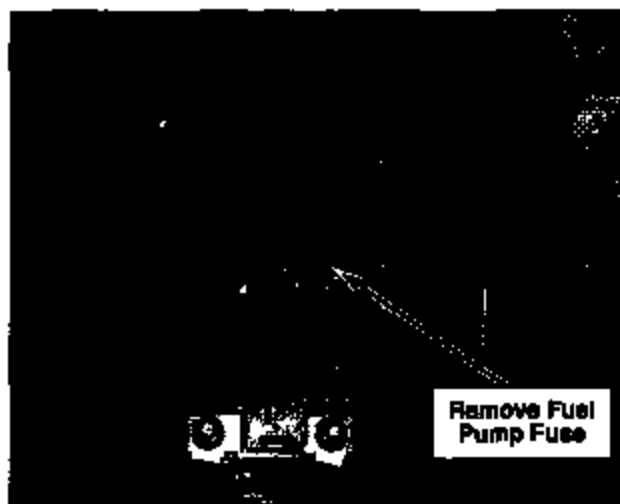
INSPECTION PROCEDURE:

1. Open hood and check for SC036 Campaign Completion Label on bulkhead above master cylinder.
- If label exists, NO FURTHER ACTION IS REQUIRED.
- If label DOES NOT EXIST, continue on to REPLACEMENT PROCEDURE.



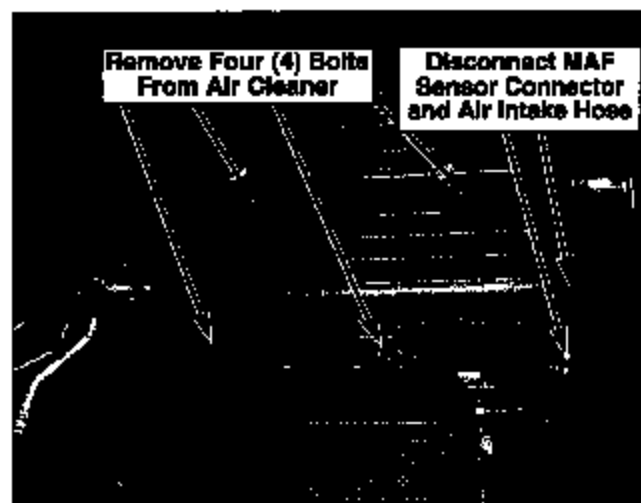
REPLACEMENT PROCEDURE:

1. Open hood, remove fuse box cover and remove fuel pump fuse. Attempt to start engine, crank engine for an additional 10 seconds to remove fuel pressure.
2. Turn ignition key off, reinstall fuse and fuse box cover.
3. Remove two nuts and two bolts securing engine cover, remove engine cover.

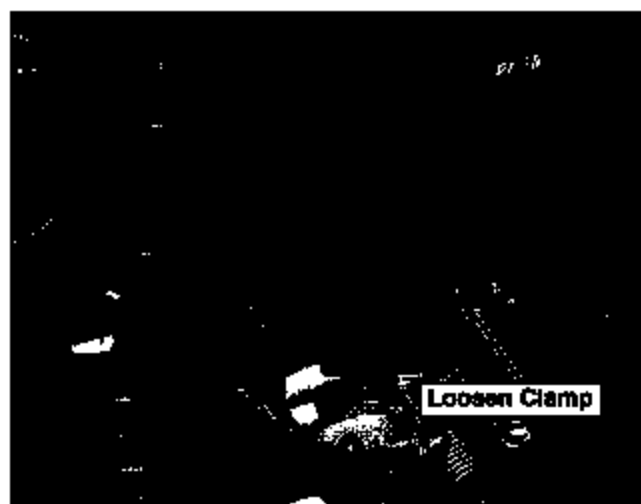


SUBJECT:**Rio Fuel Distributor Replacement**

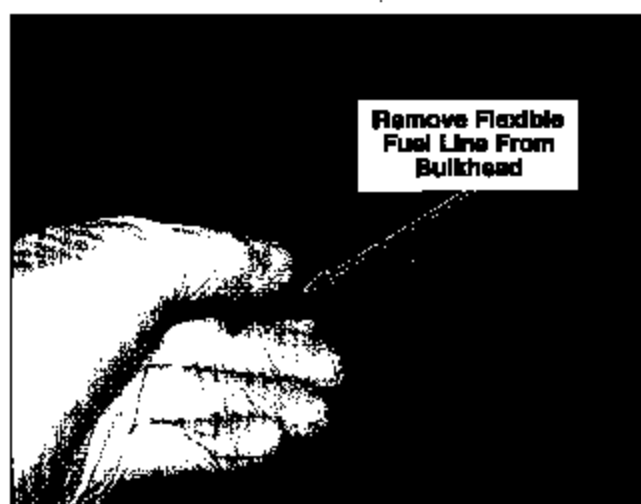
4. Disconnect MAF sensor connector, loosen clamp at air intake hose and remove hose from air cleaner.
5. Disconnect crankcase vent hose from head cover.
6. Remove four bolts securing air cleaner.



7. Loosen clamp at throttle body hose.
8. Remove air cleaner.



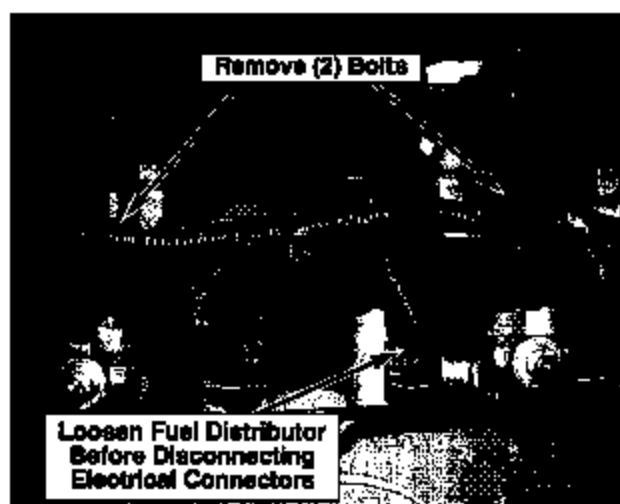
9. Remove flexible fuel line at bulkhead end by pushing line toward bulkhead and installing fuel line removal tool (see TSB Fuel 005, Quick Connect Fuel Line Tool). Pull gently on tool and flexible line to remove from steel line. (Use a shop towel to catch any residual fuel.)



SUBJECT:

Rio Fuel Distributor Replacement

10. Remove two bolts securing fuel distributor to intake manifold.
11. Gently pry injectors loose from intake manifold.
12. Disconnect injector connectors and detach injector harness retainers from fuel distributor.

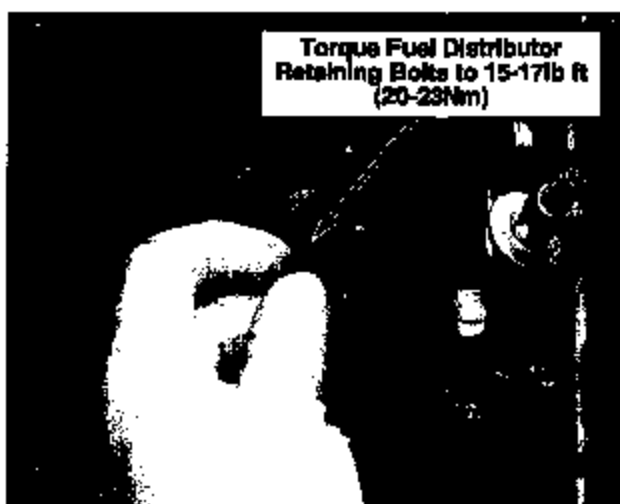


13. Drain fuel from fuel distributor into an approved container.
14. Remove injector retaining clips from fuel distributor and remove fuel injectors.
15. Install new upper 'O' rings (included in kit) onto fuel injectors, reinstall fuel injector retaining clips.
16. Lubricate upper 'O' rings with clean engine oil and install injectors into new fuel distributor.



Note: Use only clean engine oil to lubricate injector 'O' rings, the use of grease may plug injector screen resulting in a misfire.

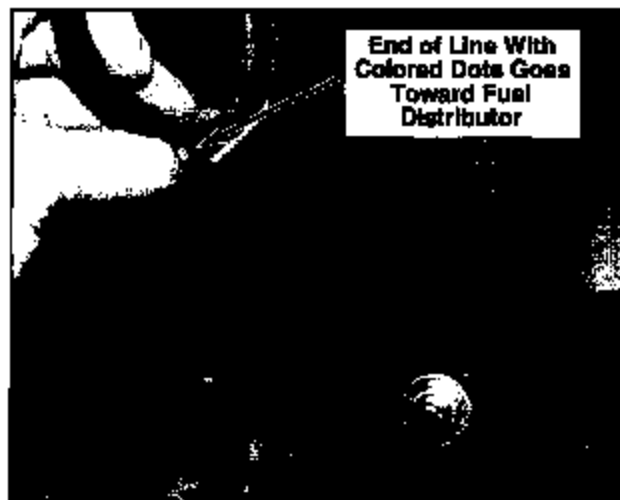
17. Lubricate lower 'O' rings (NOT included in kit) with clean engine oil, reconnect injector electrical connectors before installing fuel distributor onto intake manifold.
18. Install fuel distributor retaining bolts, torque to 15-17lb ft (20-23Nm).
19. Reattach injector harness retainers.



SUBJECT:**Rio Fuel Distributor Replacement**

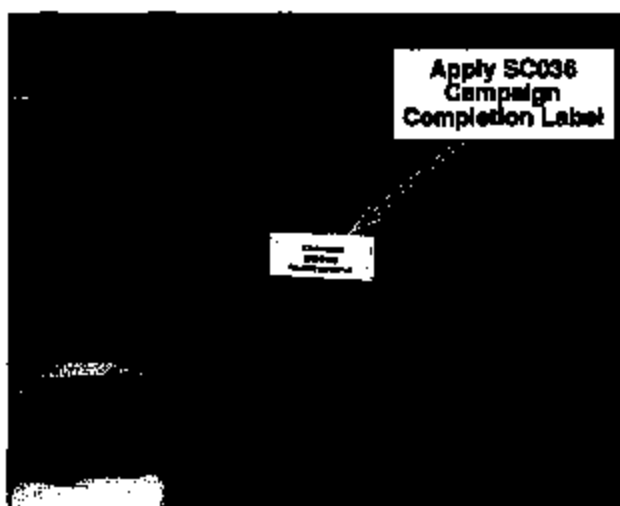
20. Install new flexible fuel line by pushing onto fittings until a click is heard, pull gently to test.

Note: End of line with colored dots goes toward fuel distributor.



21. Reinstall air cleaner and engine cover in reverse order of removal.
22. Turn ignition key on to cycle fuel pump, check fuel distributor for leaks, start engine and check again for leaks.
23. Install SC036 Campaign Completion Label onto bulkhead above master cylinder.

Note: The fuel pressure test port was intentionally left off the new fuel distributor. Use fuel pressure test adapter 'D' to test fuel pressure at the quick disconnect located at the bulkhead end of the new flexible fuel line.



SUBJECT:**Rio Fuel Distributor Replacement****FOR CALIFORNIA, MASSACHUSETTS, VERMONT, AND MAINE DEALERS:****VEHICLE EMISSION RECALL - PROOF OF CORRECTION CARD**

A Vehicle Emission Recall - Proof of Correction card **must** be filled out for all vehicles registered in California, Massachusetts, Vermont, and Maine.

California, Massachusetts, Vermont, and Maine residents who own an affected vehicle will be required to possess a **Vehicle Emission Recall - Proof of Correction** card as evidence of voluntary service campaign completion when they apply for vehicle registration renewal.

WHAT TO DO WITH THE CARD:

Each customer whose vehicle is registered in California, Massachusetts, Vermont, and Maine must be given a completed **Vehicle Emission Recall - Proof of Correction** card after the voluntary service campaign has been completed.

Note: This card **MUST** be completed by the Dealership's Service Manager using a permanent ink pen. A fine point pen is recommended. When filling in the information, copy the information directly from the vehicle, **NOT** the repair order. **ALL INFORMATION MUST BE PRINTED AND NEAT.**

DO NOT COMPLETE THE CARD UNLESS THE SERVICE CAMPAIGN WORK IS COMPLETED!

The copy of the card shown below indicates the areas to be filled in.
Each area must be filled in.

Enter Vehicle's License Number	Enter Kia	Enter Vehicle's Model Year	Enter Vehicle's Model Name (i.e. Rio)	Enter Vehicle's VIN No.
Vehicle Emission Recall -- Proof of Correction				
License Number	Make	Year Model	Body Type	Vehicle Identification Number
Manufacturer: <u>Kia Motors America, Inc.</u>		Recall Number: <u>8C036</u>		
The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws and for vehicles sold in Massachusetts, Vermont and Maine.				
Dealers Name		Address, City, State and Zip		
Date	Dealership Authorized Signature			
	X			
Return this certificate to DMV <u>only</u> when required— otherwise retain for your records.				
Enter Dealership's Name	Enter Date of Repair	Sign Here	Enter Dealership's Physical Address (NOT Mailing Address)	

SUBJECT:**Rio Fuel Distributor Replacement****AFFECTED PRODUCTION RANGE:**

Some 2001-2004MY Rio/Rio Cinco vehicles with production dates 5/4/00 through 3/31/04.

PART NUMBER INFORMATION:

Note: An Initial Inventory of the Fuel Distributor Kits will be shipped to all dealers to coincide with the recall announcement.

Description	New P/N
Fuel Distributor Kit 01-02MY	Q0K30 E1315X1Q
Fuel Distributor Kit 03-04MY	Q0K30 E1315X2Q
SC036 Campaign Completion Labels*	UR040 SC036
SC036 Proof of Correction Card*	UR041 SC036

*Extra completion labels in sheets of 20 and Proof of Correction cards are available at no cost through the KMA parts system or your DPSM.

WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty.	Cond. Code	Cause Code	Repair Description	Labor OP Code	Time	Related Parts	Qty.
R	Q0K30E 13150	0	N99	C99	Replace Fuel Distributor & Flexible Fuel Line	04R017R0	0.4	Q0K30 E1315X1Q	1
								Q0K30 E1315X2Q	1

Revisions in Bold

* Side bar denotes revised line.

TSB: Campaign 036 (Revised) June 2004