



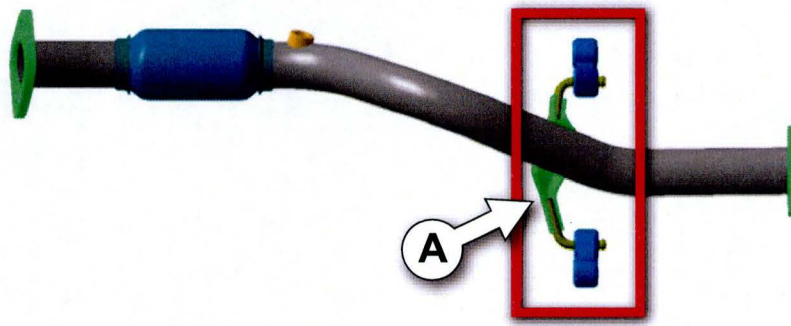
GROUP Engine	MODEL 2008~2011MY Rio (JB)
NUMBER 120	DATE November 2012

TECHNICAL SERVICE BULLETIN

SUBJECT:

RIO FRONT MUFFLER PIPE HANGER BRACKET REPLACEMENT

Some Rio vehicles, produced from February 25, 2008 to July 10, 2011, may experience a rattling noise while driving emanating from under the vehicle. This condition may be due to the separation of the front muffler pipe hanger bracket (A) from corrosion. Inspect the front muffler pipe hanger bracket to verify partial or complete separation from the muffler pipe and confirm this as the source for the noise concerns.



To correct this condition without replacing the front muffler pipe assembly, Kia is making a replacement bracket kit available as a service part. Follow the procedure in this bulletin to install a new bracket.

File Under: <Engine>

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

SUBJECT:

RIO FRONT MUFFLER PIPE HANGER BRACKET REPLACEMENT

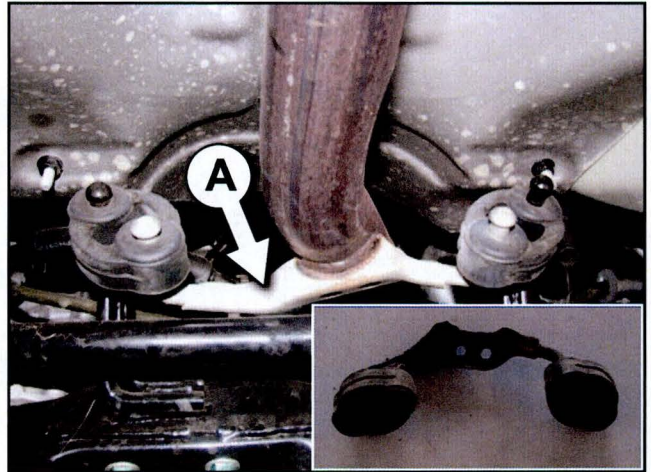
Front Muffler Pipe Hanger Bracket Inspection:

1. Place the vehicle on a lift.

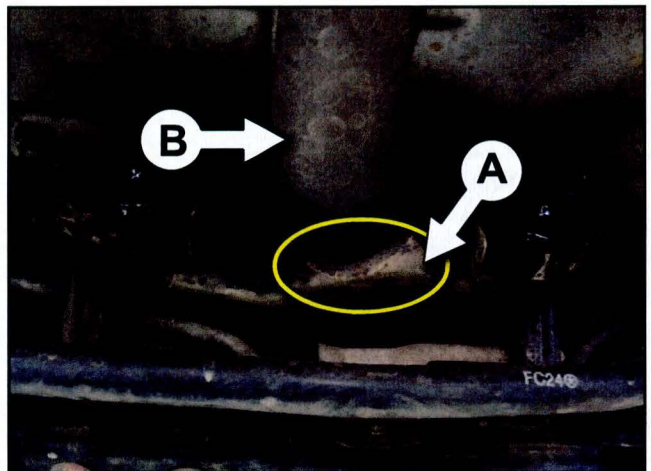
Locate the front muffler pipe hanger bracket (A). Photo insert shows an old, damaged hanger bracket.

CAUTION

Allow the exhaust system to cool before inspecting or repairing.



2. Check to determine whether the front muffler pipe hanger bracket (A) has become partially or completely separated from the muffler pipe (B).



3. If the front muffler pipe hanger bracket has **completely** separated from the front muffler, replace it with a new bracket, following the replacement procedure on the next page. If the front muffler pipe hanger bracket is only **partially** separated, separate it completely from the front muffler by cutting or grinding the welds.

CAUTION

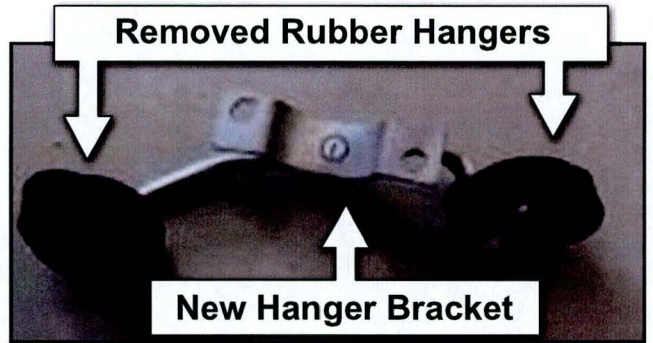
Use care when removing the welded part so as not to damage the front muffler flex pipe assembly.

SUBJECT:

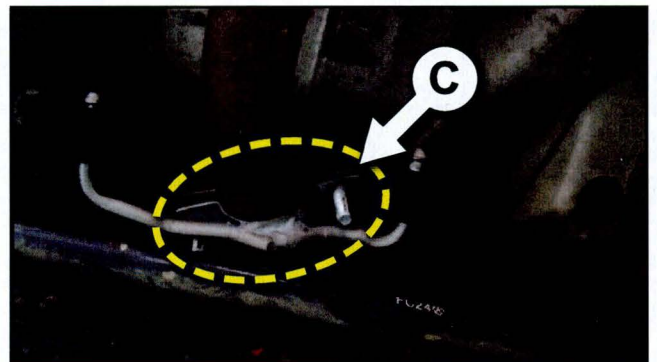
RIO FRONT MUFFLER PIPE HANGER BRACKET REPLACEMENT

Front Muffler Pipe Hanger Bracket Replacement Procedure:

1. Remove the old front muffler pipe hanger, including the rubber hangers, from the vehicle.
Install the removed rubber hangers onto the new front muffler pipe hanger bracket as shown.



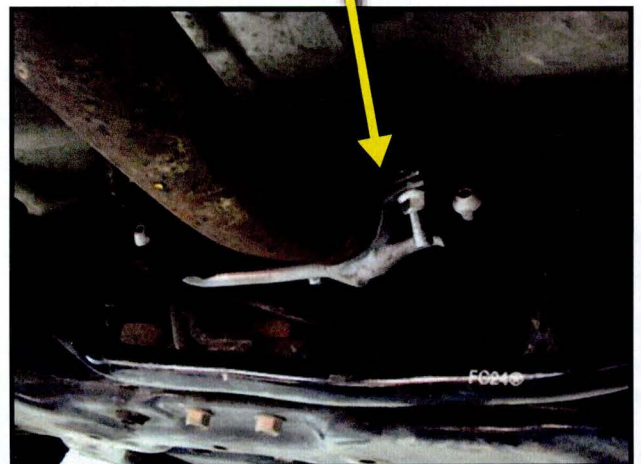
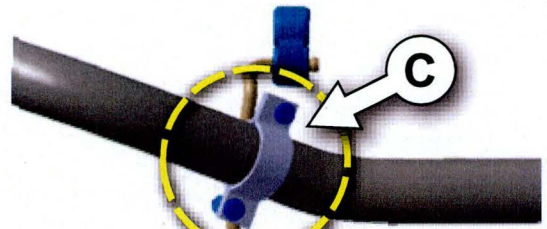
2. Install the new front muffler pipe hanger bracket (C) over the original mounting location (between existing welds).
3. Rotate bracket to ensure rubber hangers align properly.



4. Secure the hanger bracket in place using two (2) nuts.
5. Tighten the mounting nuts to specified torque.

Tightening torque:

29~43 lb-ft (40~60 Nm)





CAUTION

Make sure to properly install the hanger bracket to prevent it from sliding to one side.

SUBJECT:**RIO FRONT MUFFLER PIPE HANGER BRACKET REPLACEMENT****AFFECTED VEHICLE PRODUCTION RANGE:**

Model	Production Range
Rio (JB)	February 25, 2008 to July 10, 2011

REQUIRED PART:

Part Name	Part Number	Figure
Front Muffler Pipe Hanger Assembly	28785 1G300FFF	
Hanger Exhaust Pipe (2) (Replace only if damaged or missing)	28768 1G000	

WARRANTY CLAIM INFORMATION:

Claim Type	Causal P/N	Qty	N Code	C Code	Repair Description	Labor Op Code	Time	Replacement P/N	Qty
W	28610 1G300	0	N56	C03	(ENG 120) Front Muffler Hanger Bracket Inspect/ Replace	28785F00	0.4 M/H	28785 1G300FFF	1