



GROUP
Engine

MODEL
2008~2011MY
Rio (JB)

NUMBER
120 (REV 1 08/29/2013)

DATE
November 2012

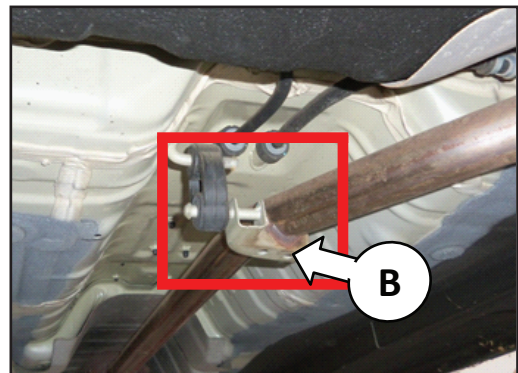
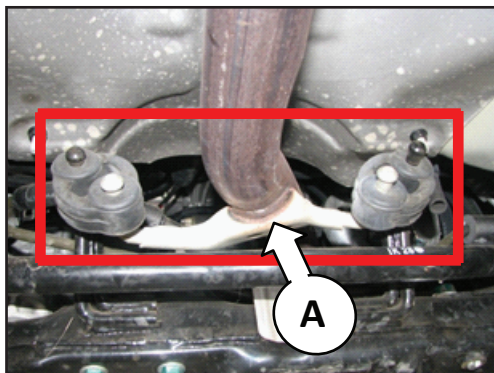
TECHNICAL SERVICE BULLETIN

SUBJECT: MUFFLER PIPE HANGER BRACKET REPLACEMENT

* NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

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 (A) or center (B) muffler pipe hanger brackets from corrosion. Inspect the muffler pipe hanger brackets 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 muffler pipe assembly, Kia is providing replacement bracket kits available as service parts. Follow the procedure in this bulletin to install a replacement bracket kit and correct the concern.

File Under: <Engine>

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

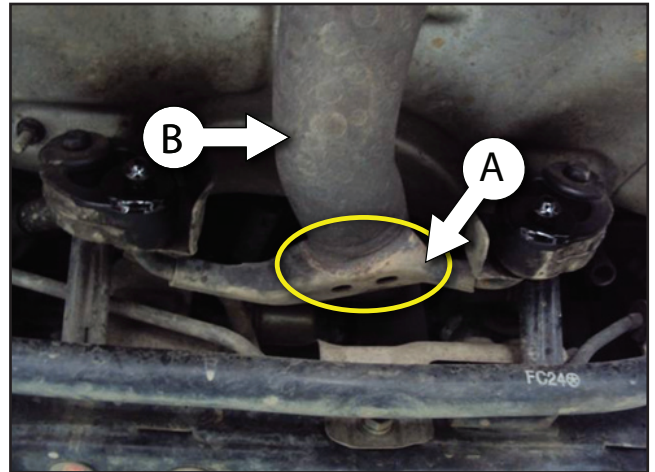
Muffler Pipe Hanger Bracket Inspection:

1. Place the vehicle on a lift.

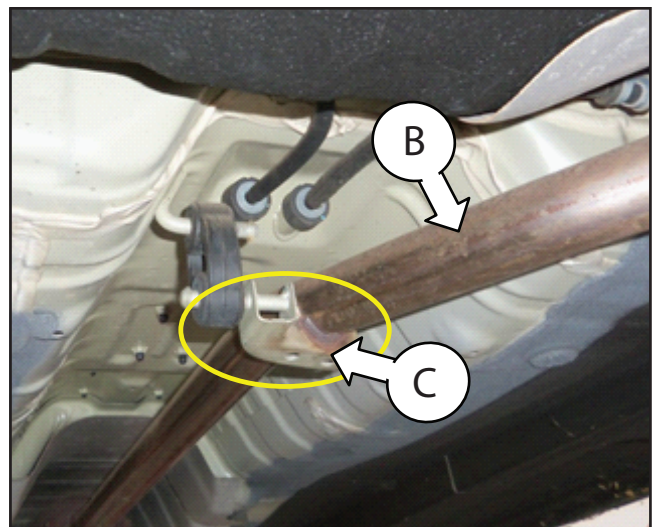
Check to determine whether the front muffler pipe hanger bracket (A) has become partially or completely separated from the muffler pipe (B) .

**CAUTION**

Allow the exhaust system to cool before inspecting or repairing.



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



3. If either or both muffler pipe hanger brackets have **completely** separated from the muffler pipe, replace them with a new bracket, following the procedure on the next page. If either or both muffler pipe hanger brackets are only **partially** separated, use a grinder to separate them completely from the muffler pipe.

**CAUTION**

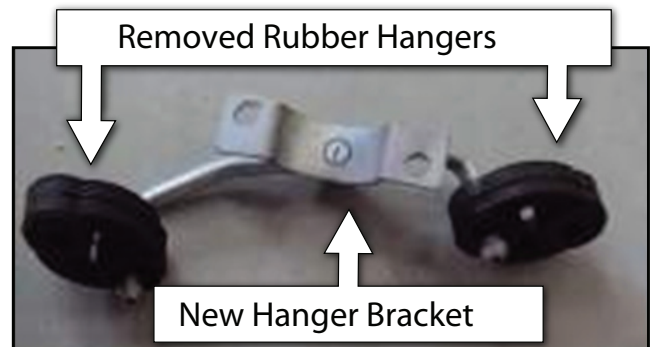
Use care when removing the welded part so as not to damage the front muffler flex pipe assembly or the muffler pipe.

SUBJECT:

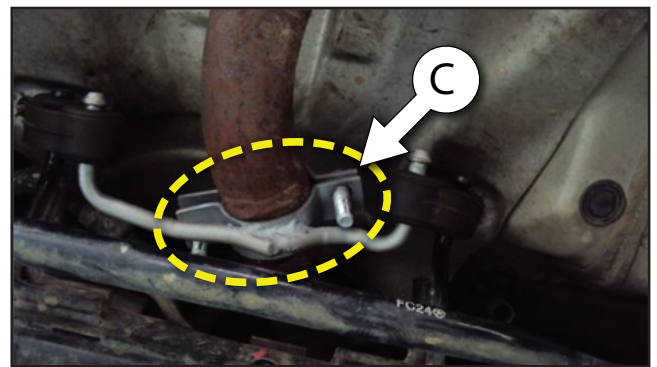
MUFFLER PIPE HANGER BRACKET REPLACEMENT

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.



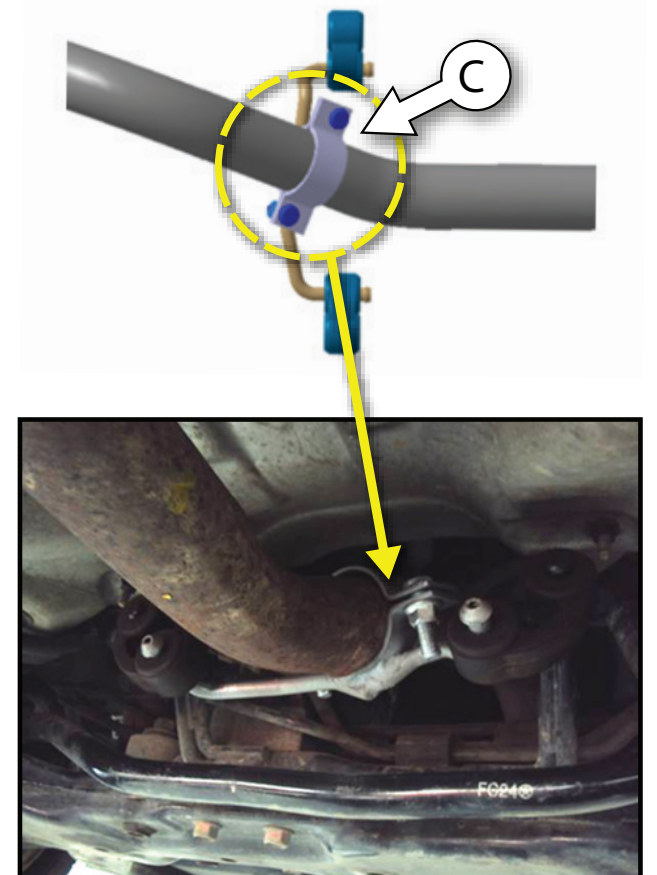
4. Secure the hanger bracket in place using two (2) nuts.
5. Tighten the mounting nuts to specified torque.

Tightening torque:

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

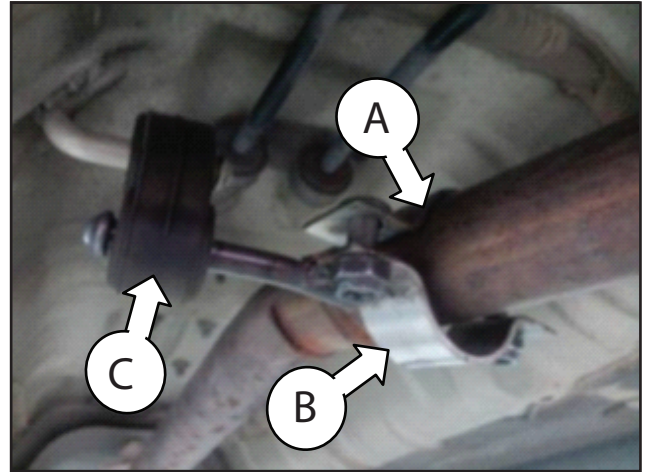
★ NOTICE

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



Center Muffler Pipe Hanger Bracket Replacement Procedure

1. Loosely install the upper (A) and lower (B) hanger brackets onto the muffler pipe using the lock-nuts, as shown. Then, install the rubber hanger (C) onto the projection on the lower hanger bracket (B).

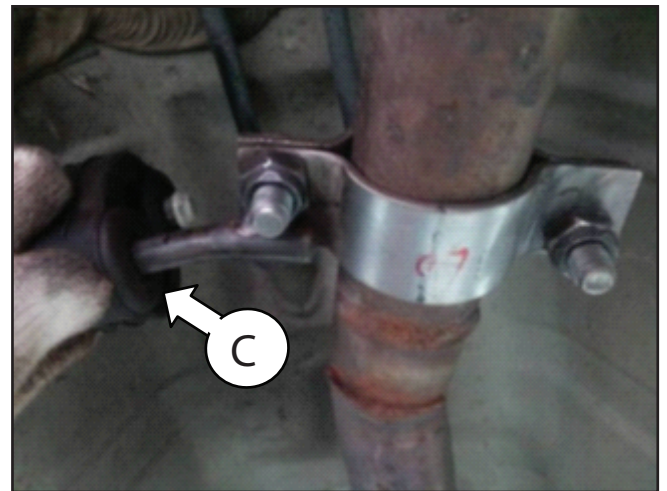


2. Install the rubber hanger (C) to the support on the vehicle and tighten the hanger bracket to the specification below.

*** NOTICE**

Prior to tightening the bracket, make sure to support the muffler pipe and that the bracket is correctly oriented, as shown.

Tightening torque:
21.7~28.9 lb-ft (29.4~39.2 Nm)






SUBJECT: 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	
Support Assy-Hanger	28786 1G400FFF	
Hanger Exhaust Pipe (3) (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
W	28700 1G700	0	N59	C05	(ENG 120) Center Muffler Hanger Bracket Inspect/ Replace	28786F00	0.3 M/H	28786 1G400FFF	1